CITY DISASTER MANAGEMENT PERSPECTIVE PLAN

2025



GREATER CHENNAI CORPORATION



Victoria Public Hall - 1888



CITY DISASTER MANAGEMENT PERSPECTIVE PLAN 2025

PREFACE



Chennai, the capital of Tamil Nadu and a historic port city on the Coromandel Coast, is a significant economic, cultural, and educational center in South India, known as the "Cultural Capital" and the "Detroit of India" for its thriving automobile industry. This vibrant metropolis blends ancient temples and traditional arts with modern skyscrapers and a rapidly growing technology sector making it a unique and diverse Indian city.

Geographically, Chennai lies on flat terrain, with most areas having an average elevation of only two meters above mean sea level. Three major rivers shape the city's landscape the Cooum and Adyar, which flows directly through Chennai and the Kosasthalaiyar which runs along the northern fringes before draining into the Bay of Bengal at Ennore. The Buckingham Canal, a historic navigation waterway runs parallel to the coast and links these rivers.

Chennai has faced repeated disasters such as cyclones, monsoon floods caused by heavy downpours, cloudbursts, earthquakes, and the devastating tsunami of 2004 etc., because of its topography and changing climatic conditions. Even though disasters are beyond human control, their impact can be mitigated through systematic preparedness, risk reduction, and collective resilience.

The Greater Chennai Corporation, as the Chennai City Urban Disaster Management Authority holds the foremost responsibility of coordinating with all line departments to ensure mitigation measures, emergency response, and rehabilitation are effectively implemented.

The City Disaster Management Plan (CDMP) 2025 is presented to the citizens of Chennai in alignment with global and national frameworks, including the Sendai Framework for Disaster Risk Reduction 2015–2030. The plan emphasises preparedness, rehabilitation, and reconstruction as integral pillars of resilience.

In recent years, GCC has launched major flood mitigation measures. These includes, the large-scale construction of Storm water drains under various schemes, restoration of 197 water bodies, creation of Eco Bloc infiltration tanks to harvest rainwater, construction of sumps in low-lying areas to pump out rain water into waterways and carrying out desilting of Storm water Drain using vehicle mounted High capacity suction cum jetting machine with recycling facility and desilting and removal of floating materials from canals using modern machineries such as amphibian vehicles and robotic excavators.

GCC has embarked on creation of additional ponds in Madras Race Course land and near Six vent culvert in Velachery This initiative ensures that rain water is stored in multiple storage points, reducing inundation risks.

GCC is actively cleaning and maintaining the 44 canals ensuring free flow of rain water and 251 ponds increasing the storage capacity thereby preventing stagnation of rain water in the surrounding areas.

Greater Chennai Corporation has taken up the restoration and rejuvenation of Virugambakkam Canal, Otteri Nallah and Veerangal Odai at an estimate amount of Rs.110 crore.

Greater Chennai Corporation is the first city in India to implement projects sanctioned under the Urban Flood Risk Management Programme (UFRMP) of the Government of India, in construction of Storm water Drain, improvements to tanks, creation of sponge park, providing Eco Bloc infiltration tanks, Rejuvenation of water bodies.

The Integrated Command and Control Centre in GCC enables real-time monitoring and decision-making through environmental sensors, rain gauges, flood monitoring devices, CCTV surveillance and mobile command systems.

A dedicated 24×7 control room and helpline (1913) coordinates with line Departments such as PWD, CMWSSB, TANGEDCO and the Police for swift action during monsoon emergencies.

GCC has taken up the Blue-Green Infrastructure initiative by creating sponge parks, promoting urban greenery and expanding eco-restoration efforts across the city.

As a Team we can safeguard Chennai and build a City well prepared to face disasters, setting as an example of resilience city. I sincerely thank all stakeholders and citizens for their commitment in flood mitigation measures.

R. PRIYA
Honourable Mayor
Greater Chennai Corporation

VISION

To enhance the disaster preparedness, to maximize the ability to cope up with disasters and significantly reduce the losses of lives, livelihoods and properties. To minimize the vulnerability to disasters and thus make the city of Chennai disaster resilient and make it a safe place to live in.

MISSION

- Increase resilience and prevent the emergence of disasters by strengthening scientific and technical capabilities on all aspects of preparedness.
- Identify vulnerability of the different parts of the city to disasters and specify minimum standard measures to be adopted for prevention and mitigation of disasters.
- Assign well defined roles and responsibilities to various administrative units in the Greater Chennai Corporation to prepare, mitigate and respond to any disaster.
- Coordinate with Government Departments, NGOs, other Institutions as partners to reduce and manage disaster risks.
- Increase the capacity development comprehensively at all levels to effectively respond to multiple hazards of a disaster.

RATIONALE

As per Section 31 of the Disaster Management Act, 2005(DM Act), District Disaster Management Authority (DDMA) of each district in the country shall prepare City Disaster Management Plan (CDMP) which is to be approved by State Disaster Management Authority (SDMA). It is to be reviewed and updated annually. The DM Act further provides that DDMP shall, inter alia, include areas in the district vulnerable to different forms of disasters; measures to be taken for prevention, mitigation, capacity-building and preparedness. The DDMP shall also include response plans and procedures, in the event of a disaster providing for allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the city; prompt response to disaster and relief thereof; procurement of essential resources; establishment of communication links; and the dissemination of information to the public to respond to any threatening disaster situation or disaster.

EXECUTIVE SUMMARY

The City Disaster Management Perspective Plan 2019-2030 (CDMP) is framed as a set of guidelines to be followed for effective disaster management at the district level and thus forms an action plan for the city of Chennai in its disaster preparedness, prevention mitigation and also for the monitoring of impending disasters. This plan has taken into account the vulnerabilities of Chennai for disasters based on its geography, demography, and its social and environmental aspects. It has been prepared based on the principles in National Disaster Management Plan (NDMP) and State Disaster Management Plan (SDMP). It also highlights Chennai's actions and priorities based on the State Disaster Management Perspective Plan 2018-2030 and the Sendai Framework for Disaster Risk Reduction 2015-2030.

The CDMP covers the occurrence of national calamities in the past such as floods, cyclones, and tsunamis. It also highlights mitigation strategies, assembly locations, and preparedness measures for different disasters. Areas that have faced inundation during previous natural disasters are also identified. The governance mechanism to manage disasters and to deal with the impacts is also highlighted by the various departments of the government and of Chennai Corporation.

The Control Room at the Greater Chennai Corporation serves as Chennai's Emergency Operations Centre. Based on the Standard Operating Procedures, in the event of a disaster, responsibilities of the concerned departments at the city level and of government are outlined to ensure prompt response to disaster. Immediate relief and rehabilitation measures by mobilizing essential resources with the proper dissemination of information to the public will be coordinated by the Control Room.

This plan outlines the investments and preparedness for disaster risk reduction by the Government of Tamil Nadu and Greater Chennai Corporation to proactively approach disasters based on the State Disaster Management Perspective Plan. It also demonstrates GCC's initiatives with Governmental and NGOs / Institutions to respond to disasters.

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1.0 INTRODUCTION

1.1 Disaster Management and Planning

Disaster is a hazard causing heavy loss to life, property and livelihood. The term disaster management deals with relief and rescue operations before and after the occurrence of the disaster. The disaster risk management is the systematic process of using administrative decisions, organization, operational skills and capacities to implement policies, strategies and coping capacities of the society and communities to significantly minimize the impacts of natural hazards and related environmental and technological disaster. The disaster management plan has to be implemented to minimize the adverse impact of the multiple hazard with the broad context of sustainable development. The disaster management is the process of organising, planning and application of measures preparing for prevention, responding to and initial recovery from disasters. The management of resources and responsibilities for dealing with humanitarian aspects of emergencies.



Disaster Management Cycle

The pie chart shows the typical disaster management action plan for any kind of disaster occurrence. The disaster is a result of the combination of many factors such as the exposure to hazards, the conditions of vulnerability that are present and insufficient capacity or measures to reduce or cope with the potential negative consequences. Disaster impacts may include loss of life, injuries, disease and other negative effects on human physical, mental and social well-being, together with damage to property, destruction of assets, loss of services, social and economic disruption and environmental degradation.

1.2 Need of Disaster Management plan

The natural disaster is an unexpected event that cannot be prevented but its effect can be minimized. The disaster management plan has been framed for the prevention of danger or threat of any disaster, mitigation or reduction of risk of any disaster or its severity or consequences, capacity-building, preparedness to deal with any disaster, prompt response to any threatening disaster situation or disaster, assessing the severity or magnitude of effects of any disaster evacuation, rescue and relief and rehabilitation and reconstruction. The plan is framed based on the collection of catastrophic events. The disaster causes major threat to lives and property.

Protection includes the installation of alarms, fire suppression systems, establishment of basic building security measures, the assembly of emergency supply kits and the organisation of an in-house disaster response team. Response includes actions to be undertaken to deal with the demanding situation often with the help of outside expertise and advice. The plan should be easy and provide a speedier response. The necessary resources should be identified and the sources of assistance also should be identified.

The management plan can avert the disaster before it occurs, anticipating the future course of natural occurrence such as flood will reduce the vulnerability, to provide rehabilitation programme like construction of dwellings and other infrastructures, to undertake the liaison works, to protect and preserve the environment and to prevent the losses of life and property.

1.3 Scope of Disaster Planning

The scope of this Chennai disaster plan's entities (e.g., departments, agencies, private sector, NGOs, citizens) and covers entire geographic area of Greater Chennai Corporation. The guidelines of the Disaster Management Authority used largely for preparation of Disaster Plan for Greater Chennai Corporation covering revenue districts of Chennai, part of Tiruvallur and Kancheepuram Districts.

The purpose of the statement should include enough information to establish the direction of the plan. The scope should include all disaster phases such as Prevention, Preparedness, Mitigation, Response and Recovery, redressal to multiple hazards to be implemented in whole city/ in certain areas of the city and zone wise Disaster Management Plan on a micro scale.

Special care has been taken for special groups including disabled, aged, children, sick and pregnant women to ensure that the relevant Disaster Risk Reduction (DRR) concerns are integrated in the Plan. The plan is also focussed on the relief measures and necessary mitigation plans that are to be undertaken by the government bodies

1.4 Objective of the Disaster Planning

The main objective of this disaster plan includes prevention, mitigation, preparedness measures, response plan and procedures for Chennai City.

The following are the indicative list with possible objectives.

* Closely follow the NDMA/SDMA directions in identifying impending disaster and to enhance the preparedness to face it.
* Improve the timely warning and alerts to be delivered in precise manner so as to alert the people from major risks associated with the disaster.
* Receive swiftly scientific/ technical advice from Government/ Institutions and Act.
* The quick response system to be implemented for proper communication to people in flood affected area.
* Utilizing all agencies capable of providing assistance.
* Effective co-ordination are the integral components of effective disaster management as the team have to work with good rapport to perform the work effectively.
* The help and rescue operation has to be carried out with minimum delay so the needs are fulfilled within time to reduce the maximum losses and damages.
* The field workers and officials should bring solace to the troubled minds by interacting with the people and encouraging them to be free from problem caused by the disaster.

1.5 Types Of Disasters

There are 28 types of common natural and manmade disasters, which can be classified into these following 5 sub-groups.

i. **Hydro- Meteorological Disasters (8)**

Cyclones, Droughts, Periodical floods/ Urban floods, Hailstorm, Cloud burst, Heat wave, Coastal Erosion, Thunder and Lightning.

ii. **Geological Disasters (3)**

Landslides, Earthquake and Tsunami.

iii. **Chemical, Industrial and Radiological (3)**

Industrial Fires, Gas & Chemical Leakages, Nuclear Disaster

iv. **Accidents Disasters (10)**

Forest Fires, Electrical Fires, Collapsing of Buildings, Urban Fires, Oil Spills, Serial Bomb Blasts, Festival Fire, Stampedes, Road/Rail Accidents, Air Crash and Boat Capsizing .

v. **Biological Disasters (4)**

Pest attacks, Food poisoning, Water borne diseases and Cattle epidemics.

1.6 Response Planning

The disaster response structure will be activated on the receipt of disaster warning /on the occurrence of the disaster. The aim of this plan is to establish an understanding of the structure and operating procedures for addressing all aspects of disaster preparedness and response in Chennai city. This plan seeks to ensure that the disaster preparedness for response is carried in a coordinated and collaborative manner, ensuring the greatest protection of life, property, health and environment.

Disaster early warning is a major element of disaster risk reduction. Early action can often prevent major catastrophes. To be effective and sustainable, they must actively involve the communities at risk.

Response mechanism of the concerned line departments along with the roles and responsibilities of each one of them and immediate relief to be provided to the affected population is also inclusive.

Greater Chennai Corporation's Disaster Management Plan will essentially focus on

i. Co-ordinating with Metrological Department to get the warning report against the severe weather phenomena like tropical cyclones, heavy rain, floods, seismicity etc.,

ii. Establishment of contact centres for people through Telephones and Web connectivity. For all weather related enquiries to contact, Duty Officer, Area Cyclone Warning centre – 044 28271951

iii. An early disaster warning system with very high frequency equipment and public address systems with sirens, addressing public through air media will be established.

iv. Tsunami Alert has to be received from the Indian Tsunami Early Warning Centre (ITEWC) of the Indian National Centre for Ocean Information Services (INCOIS).

v. The Greater Chennai Corporation has introduced individual complaint helplines at Head Quarter in each of the 15 zones. The 24-hour helpline will function till the end of the North-East monsoon. The complaint numbers will be directly picked up by the zonal Officers, helpline operators and complaints are forwarded to the concerned authorities for necessary action.

vi. Working in close quarters with State Disaster Centre regularly to get disaster related information for necessary action.

1.7 Integration with the State Disaster Management Perspective Plan 2018-2030 and the Sendai Framework

The Government of India came up with the National Disaster Management Plan in May, 2016 integrating the Sendai Framework for Disaster Risk Reduction 2015-2030 adopted at the third United Nations World Conference in Sendai, Japan, in 2015. The Sendai Framework was the first International agreement adopted within the context of the post-2015 development agenda. Two other major international developments followed in the same year. The "Sustainable Development Goals 2015 – 2030" were adopted by all nations in September 2015, and the "Paris Agreement" was signed by the signatories of the UN Framework Convention on Climate Change to combat human induced climate change in December 2015. Disaster risk reduction is a common theme in these three global agreements.

The Paris Agreement on global climate change highlights the importance of averting, minimizing, and addressing loss and damage associated with the adverse effects of climate change, including extreme weather events and slow onset events and the role of sustainable development in reducing the risk of loss and damage. Intrinsic to sustainable development is disaster risk reduction and the building of resilience to disasters. The Hon'ble Prime Minister of India declared a 10 point agenda in the Second Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR), held in New Delhi on November 2016. The 10 point agenda is the Roadmap for Disaster Risk Management to Climate Resilient and Sustainable Development.

The Government of Tamil Nadu has prepared the State Disaster Management Perspective Plan 2018-2030 which has accorded primacy to the priorities enunciated in the Sendai Framework, the Sustainable Development Goals, the Paris Agreement on Climate Change and the Hon'ble Prime Ministers 10 Point Agenda. The plan has been prepared as per the Disaster Management Act 2005(Para 23 item 4) and has relied on the National Disaster Management Authority Guidelines on State Disaster Management Plan. The Plan was developed based on an elaborate consultative process with the District Disaster Management Authorities, Departments of Government, civil society, and other multi-stakeholders.

The Sendai Framework is a 15-year voluntary, non-binding agreement which recognizes that countries have the primary role to reduce disaster risk but that responsibility should be shared with other stakeholders including local government, the private sector and other stakeholders. It aims for the following outcome "The substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries."

The State Disaster Management Perspective Plan 2018-2030 aspires "to build a safe and disaster resistant Tamil Nadu through systems approach, inclusive development and mainstreaming disaster risk concerns into the development ethos of the State" with 14 goals as highlighted below.

1. Comprehensive Flood Protection through structural and non-structural interventions to reduce the risks and enhance resilience and resistance of the community with special reference to Thiruvallur, Kancheepuram, Cuddalore, Nagapattinam, Thoothukudi,Ramanathapuram and Kanyakumari Districts.

2. Minimise the risk of urban floods with special focus on Greater Chennai Corporation areas and its neighborhood areas.

3. Enhance the resilience of farmers to face the vagaries of monsoon and impacts of climate change with special reference to Delta Districts.

4. Recharge the aquifers in Blocks where groundwater is currently overexploited/ critical/semi-critical categories and convert into safe category.

5. Restore and protect ecologically fragile wetlands and Marsh Lands with special focus onPallikaranai and Ennore Creek Areas and Gulf of Mannar.

6. Reclaim and restore areas affected by sea water intrusion and prevent sea water intrusion in coastal areas with special focus on Chennai, Thiruvallur and Cauvery Delta Districts.

7. Enhance bioshields to mitigate floods and storms in Coastal Districts

8. Restore and strengthen waterbodies and enhance the capacity of the water bodies through desiltation to mitigate floods and drought.

9. Promote sustainable agricultural practices in rainfed areas with special focus on Ramanathapuram, Dindigul, Perambalur,Sivagangai, Virudhunagar, Dharmapuri,Namakkal and Ariyalur Districts.

10. Reduce the risks in areas which are prone to specific disasters like landslides, forest fire etc. with a special focus on The Nilgiris, Coimbatore, Erode, Theni, Krishnagiri, Vellore,Villupuram, Dindigul and Thiruvallur Districts.

11. Enhance multistakeholder participation, especially community participation with social inclusion.

12. Strengthen non-structural measures to reduce the risks due to man-made and natural disasters.

13. Deliver climate resilient hydraulic infrastructure for irrigation and drainage to reduce inundation and flood damages, as well as sea water incursion with special focus on Delta Districts.

14. Build the capacity to manage Chemical, Biological, Radiological and Nuclear (CBRN) and other man-made disaster

Disaster risk management is highly complex requiring multipronged strategies by governments as well as by other stakeholders. Successful risk reduction strategies require a thorough understanding of the various disaster risks, robust disaster risk governance, thorough preparedness, effective response and build back better strategies. The disaster risk management to build resistant communities as well as transform areas vulnerable to disasters into disaster resilient areas; requires significant investments in disaster risk reduction from government as well as the private sector and communities. To address the goals that are specific and relevant to GCC, the various measures that are under implementation as well as planned to be taken up in the immediate future are explained in the subsequent chapters as per the Sendai Framework for Disaster Risk Reduction 2015-2030 and the State Disaster Management Perspective Plan 2018-2030.

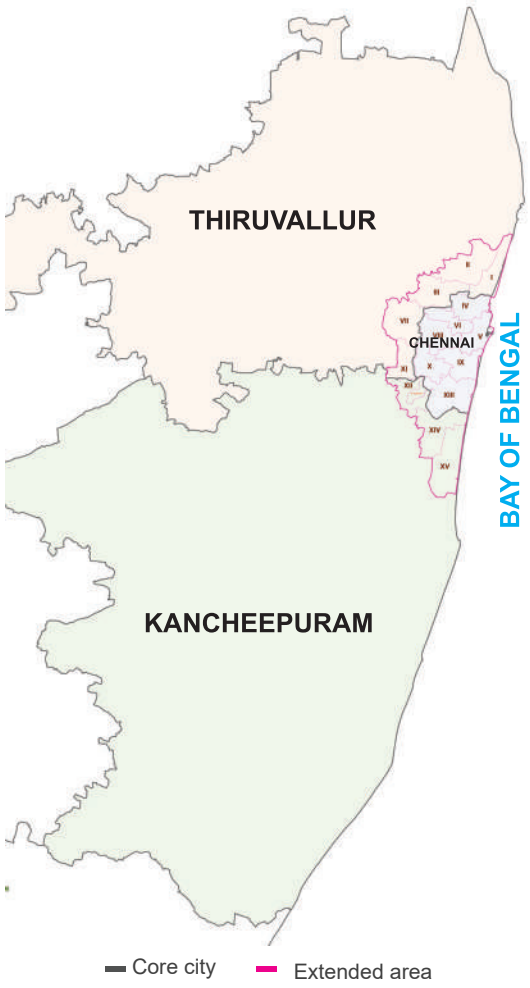
2.0 CHENNAI CITY: A PROFILE

2.1 City Profile

Chennai formerly known as the Madras or Madarasapattinam is the capital of the Tamil Nadu state. It is reffered to as the “Gateway of South India”. Tamil Nadu is one among the most urbanized States in the Country and Chennai city is the fourth most populous Metropolitan city in India, next to Mumbai, Kolkatta and Delhi. Chennai City is situated in the North East end of Tamilnadu on the coast of Bay of Bengal. Chennai city is bounded by the Northern Latitudes of 12°59’ 10” and 13°08’ 50” and the Eastern Longitudes of 80°12’ 10” and 80°18’ 20”.

It is also called as the port city with a long coastal line of about 43 kms from Kathivakkam in the north to Uthandi in the south along the Bay of Bengal. The jurisdiction of the city has been expanded in the year 2011 by increasing the area from 174 sq.km to 426 Sq.km covering 3 revenue Districts namely Chennai, partly Kanchipuram and Thiruvallur. Chennai is one of the four cities in India through which the country is connected with the rest of the world through undersea fibre-optic cables, the other three being Mumbai, Kochi, and Tuticorin.

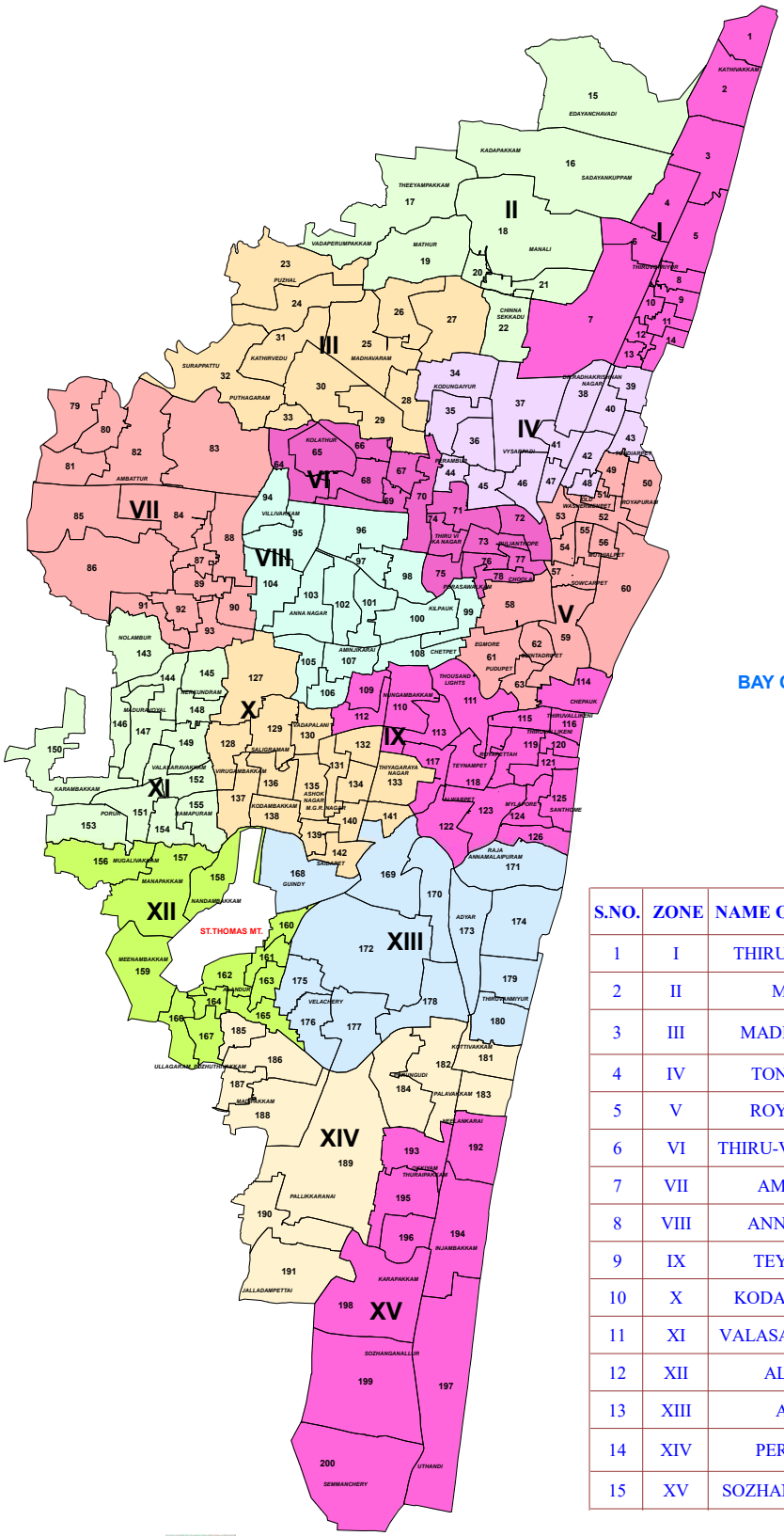
GCC with Adjacent Districts



2.2 Chennai Population

The average population of Chennai city is about 66.72 lakhs based on 2011 census with a sex ratio of 989 females for every thousand males, much above the national average of 929. TNUHDB estimates that 1.08 Lakhs economically weaker section families living in undeveloped slums of which 72,827 families are living in objectionable slums. TNUHDB has also estimated that there are about 37,000 families living in unobjectionable areas and 9,687 families in Adyar river banks and 14,237 families in Cooum river banks . The birth and death rate in Chennai is 400 and 160 respectively. The average literacy rate in the city is 81.27% much high compared to national average of 72.99%. The ward wise population of every zone is mentioned in the zonal chapters.

ZONAL BOUNDARY



S.NO.	ZONE	NAME OF THE ZONE	WARD NUMBER
1	I	THIRUVOTRIYUR	1 TO 14
2	II	MANALI	15 TO 22
3	III	MADHAVARAM	23 TO 33
4	IV	TONDIARPET	34 TO 48
5	V	ROYAPURAM	49 TO 63
6	VI	THIRU-VI-KA NAGAR	64 TO 78
7	VII	AMBATTUR	79 TO 93
8	VIII	ANNA NAGAR	94 TO 108
9	IX	TEYNAMPET	109 TO 126
10	X	KODAMBAKKAM	127 TO 142
11	XI	VALASARAVAKKAM	143 TO 155
12	XII	ALANDUR	156 TO 167
13	XIII	ADYAR	168 TO 180
14	XIV	PERUNGUDI	181 TO 191
15	XV	SOZHANGANALLUR	192 TO 200

used for official
Data's accuracy is subject to field verification.

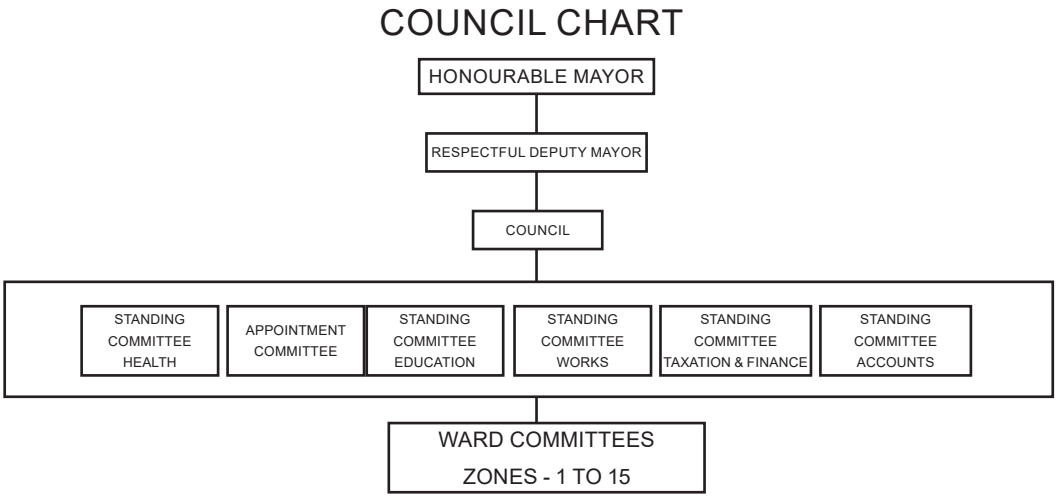
NOT TO SCALE

2.3 Evolution, Administration and Functions

The office of Greater Chennai Corporation is located at the Ripon Building, commissioned in the year 1913. Chennai city is governed by the Greater Chennai Corporation. It is being headed by the Mayor, who presides over 200 councilors each of whom represents one of the 200 wards of the city.

The Greater Chennai Corporation is administered by the Commissioner. There are 4 Joint/Deputy Commissioners in the Head Quarters assisting the Commissioner looking after Works Department, Health Department, Education Department and Revenue & Finance Department each. The functions of the Deputy Commissioners at the Head Quarters are to head the respective departments and report to the Commissioner. For effective administration and to render better service, the Greater Chennai Corporation is divided into three regions namely North, Central and South, having 15 Zones, comprising 45 Units further divided into 200 Divisions. At 3 regional levels, Regional Deputy Commissioners North, Central and South are heading the regions each looking after 5 zones. The Zonal Officers/Assistant Commissioners are heading 15 Zones each with 2 Executive Engineers per Zone followed by “Unit offices” headed by Assistant Executive Engineer and “Divisional Offices” at grass root level headed by an Assistant Engineer/ Junior Engineer.

The administration of the Greater Chennai Corporation is being systematically organized with proper hierarchy. The administrative structures, duties and responsibilities of each officials, issues and preparedness plan are well discussed in detail for each zone in the zonal chapters.



2.4 Services Rendered by Greater Chennai Corporation

The major works carried are formation and maintenance of roads. Greater Chennai Corporation maintains 35,978 interior roads measuring a total length of 5,270 km and 488 bus route roads for 418.56 km. The Greater Chennai Corporation is maintains 301969 Street Lights, all the street lights are energy efficient LED lights. 507 High mast lights have been erected at vital locations such as major road junctions, beaches and parks. Greater Chennai Corporation is maintaining the stormwater drain network for a length of 3041 Km, and also maintains canals, Flyovers, Health buildings, Schools, Parks, Community center, Burial ground etc., in the city. Greater Chennai Corporation is involved in providing the basic amenities such as maintaining 908 Parks, 113 Traffic Islands and 66 community halls.

Greater Chennai Corporation runs 206 Primary Schools, 130 Middle Schools, 46 High Schools and 35 Higher Secondary Schools, totalling 417 Schools with 3180 teachers and 1,13,223 Students. Greater Chennai Corporation also runs 336 kinder Garden Schools within the existing school premises.

Greater Chennai Corporation provides Health Services through 140 Urban Primary Health Centers, 16 Urban Community Health Centers, 3 Emergency Obstetric Centers, 1 Communicable Disease Hospital with 231 medical officers, 8 Dialysis centers, 40 polyclinics and 1959 paramedical staff. On an average every day 43,894 out patients are treated in the above health centers.

Greater Chennai Corporation provides quality/hygienic food and drinking water through Amma Unavagam.

2.5 Essential Services by Other Authorities

The following Authorities like Madras High Court, Chennai Metropolitan Development Authority (CMDA), Greater Chennai Police, Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), Tamil Nadu Generation and Distribution Corporation (TANGEDCO), Tamil Nadu Fire and Rescue Service (TNFRS), Airport, Ports, Railways, Road ways etc. also delivers essential service to the citizens.



High Court



AirPort



Chennai Metro Rail Limited (CMRL)



Road ways



Chennai Port

The services of authorities and departments are mentioned in detail in the following.

DEPARTMENTS	FUNCTIONS OR SERVICES
Madras High Court	Highest Judicial authority in the State
Chennai Metropolitan Development Authority (CMDA)	Responsible for planning and development of Chennai Metropolitan Area.
Greater Chennai Police	Maintains law and order, traffic in the city.

DEPARTMENTS	FUNCTIONS OR SERVICES
Chennai Metropolitan Water Supply and Sewerage Board CMWSSB)	It is exclusive agency which provides drinking water and maintains sewage systems in the city.
Tamil Nadu Generation and Distribution Corporation Limited(TANGEDCO)	Supply of electricity to house holds, street lights and other institutions.
Tamil Nadu Fire and Rescue Service (TNFRS).	Involved in fire and rescue operations.
Airways	The Chennai Airport handles both International and Domestic flights through Anna International terminal and Kamaraj Domestic terminal respectively. It is the third busiest airport in India and handles 22 million passengers in a year. The Airport located at a distance of 25 km from the city and is accessible by road, train and metro transport services.
Ports	The city is served by two major ports namely Chennai Port and Ennore Port. The Chennai port is the largest artificial port situated in Bay of Bengal handling an annual cargo tonnage of 61.46 million and it is India's second busiest container hub, handling general industrial cargo, automobiles, etc. Chennai Port has 21 alongside berths in three distinct zones of the Chennai port namely the Ambedkar Dock, Jawahar Dock and Bharathi Dock. The Ennore port currently handles cargo such as coal, ore etc.
Railways	Chennai is the birthplace of the railway system in India. Chennai Central is the headquarter of the Southern Railway Zone. The city has two main railway terminals. Chennai Central station, provides access to other States and Chennai Egmore stations is a terminus primarily within Tamil Nadu; it also handles a few inter–state trains. The Chennai suburban railway network, one of the oldest in the country, consists of four broad gauge sectors terminating at two locations in the city, namely Chennai Central and Chennai Beach. The elevated Mass Rapid Transit System which links between Chennai Beach and Velachery. The Chennai Metro, officially Chennai Metro Rail Limited (CMRL), is a rapid transit system serving the city. The Phase I was commissioned in stage wise. The first segment of section between Alandur to Koyambedu was commissioned on 29thJune, 2015. The first Underground line between Thirumangalam Metro Station to Nehru Park Metro Station was inaugurated on 14th May, 2017The Underground stretches – Nehru Park Metro Station to Chennai Central Metro Station and Saidapet Metro Station to AG-DMS metro Station were opened a year later on 25th May, 2018.

Railways	On 10thFebruary, 2019, the Underground stretch from AG-DMS to Washermenpet of blue line was opened, completing 45 km network under the Phase I of the Metro Rail Project.
Roadways	Chennai is connected by four major National Highways (NH) that originates in the city. They are ● NH 4 to Mumbai (via Bangalore) ● NH 5 to Kolkata (via Bhubaneswar) ● NH 45 to Theni (via Tiruchirapalli) ● NH 205 to Anantapur, Andhra Pradesh (via Tirupati) The Chennai Mofussil Bus Terminus (CMBT), Madhavaram Mofussil Bus Terminus and Kilambakkam Mofussil Bus Terminus serves as the terminus for all intercity buses from Chennai.The Metropolitan Transport Corporation operates public transport buses in the City covering an area of 3,929 square kilometre.

2.6 Geography and Geology of City

2.6.1 Geology

The geology of Chennai comprises mostly of clay, sediment rocks and sandstone. The city is classified into three regions based on geology as sandy area, clayey area and hard-rock area. Sandy area are found along the river banks and the coast. Most of the cities were covered by clayey regions.

The main part of Chennai city such as T-Nagar, West-Mambalam, AnnaNagar, Perambur and Virugambakkam are covered with clayey. Hard rock areas are Adambakkam and a part in Saidapet. The sandy areas are Tiruvanmiyur, Adyar, Kottivakkam, Santhome, George Town, Tondiarpet and the rest of coastal Chennai.

The groundwater table in most of the area in Chennai is about 4 to 5m depths below the ground. The rainwater run-off in Chennai city percolates very quickly near the coastal area but in clayey and hard rock areas rainwater percolates slowly and held by the soil for a longer period of time.

2.6.2 Topography

Chennai is a plain terrain low-lying area and the land surface is almost flat like a pancake. The terrain is very flat with contours ranging from 2 m to 10 m above mean sea level with a few isolated hillocks. It rises slightly as the distance from

the sea-shore increases but the average altitude of the city is not more than 7 m above mean sea level and the average slope varies at 0.7 m per km, while some localities are just at sea level and even in minus level. Terrain slope varies from 1: 5,000 to 1:10,000.

2.6.3 Green Cover and Wetlands

Green space distribution plays an imperative role in urban planning since they contribute significantly in enhancing ecological quality of metropolitan areas. Indian National Forest Policy aims at maintaining 33% of countries geographical area under forest and tree cover. Reserved Forest in Chennai city covers 2.71 Sq.km around Guindy National Park.

The land usage pattern in Chennai can be broadly classified as tree cover area of 72.00 Sq.km, Buildings cover 241 Sq.km, Parks cover 2.20 Sq.km, Water bodies cover 35.73 Sq.km and other area 104.40 Sq.km.

Name	Area in Sq km	Percentage
Buildings	241.50	56.7
Parks	10.1	3.0
Tanks	35.72	8.9
Temples	0.84	0.2
Trees	72.00	16.00
Others	65.93	15.5
Total	426.00	100.0

The Pallikaranai marsh land serves as a buffer for rain water draining from Velachery, Pallikaranai, Perungudi, Narayanapuram lake, Kilakattalai, Velachery and from a string of upstream lakes. GCC maintains 908 parks to an area of 2.20 Sq.km, 763 Open Space Reservation (OSR) land to an area of 16.05 lakhs Sq.km

2.6.4 Weather and Climate

The geographical location determines the weather and climate, being proximity to the sea and thermal equator and weather in Chennai relatively consistent with less variation in the seasonal temperature. The weather in Chennai is mostly hot and humid.

Experiencing the 3 major seasons namely summer, monsoon and winter, the city of Chennai has a tropical climate. April to June are the hottest months in

Chennai recording maximum temperature during these months vary from 38-42 °C thus making Chennai very hot. However the cooling breeze at night comes as a relief to the residents of Chennai.

Climate data for Chennai													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °C (°F)	33 (91)	37 (99)	39 (102)	43 (109)	45 (113)	43 (109)	41 (106)	40 (104)	39 (102)	39 (102)	34 (93)	33 (91)	45 (113)
Average high °C (°F)	29 (84)	31 (88)	33 (91)	35 (95)	38 (100)	38 (100)	36 (97)	35 (95)	34 (93)	32 (90)	29 (84)	29 (84)	33.3 (91.8)
Average low °C (°F)	19 (66)	20 (68)	22 (72)	26 (79)	28 (82)	27 (81)	26 (79)	26 (79)	25 (77)	24 (75)	22 (72)	21 (70)	23.8 (75)
Record low °C (°F)	14 (57)	15 (59)	17 (63)	20 (68)	21 (70)	21 (70)	22 (72)	21 (70)	21 (70)	17 (63)	15 (59)	14 (57)	14 (57)
Average precipitation mm (inches)	16.2 (0.638)	3.7 (0.146)	3.0 (0.118)	13.6 (0.535)	48.9 (1.925)	53.7 (2.114)	97.8 (3.85)	149.7 (5.894)	109.1 (4.295)	282.7 (11.13)	350.3 (13.791)	138.2 (5.441)	1,266.9 (49.878)
Source: Indian Meteorological Department													

Chennai experiences two monsoons namely South West Monsoon from June to September and North East Monsoon from October to December every year. South West Monsoon sets in over the extreme south western tip of the peninsula by the end of May. The onset of Monsoon is characterised by a sudden spurt of rainfall activities. It progresses inland in stages and covers the entire country by the middle of July. The average rainfall of South West Monsoon is 439.10 mm. North East Monsoon essentially contribute the rainfall for the city. The city gets average rainfall of 760 mm during North East Monsoon. The average rainfall of the city throughout the year is about 1,300 mm.

The winter in Chennai is short period of time. In November to February Chennai experiencing the winter season. This is the most comfortable and pleasant time in Chennai. During the winter months, Chennai maintains an average maximum and minimum temperature of 24°C and 20 °C respectively. Moderate rainfall is also received in the winter months by the city. This makes the weather and climate in Chennai pleasurable as well as comfortable.

The lowest temperature that has been recorded in Chennai is 15.8 °C (60.4 °F) while the highest temperature being recorded as 45 °C (113 °F). The highest yearly rainfall in the city has been recorded to be 2,570 mm (101 in) in 2005. The formation of Cyclones in the Bay of Bengal has great influence in the city. The winds that prevail in Chennai in between April and October are the southwesterly wind while the remaining year experiences the northeasterly winds.

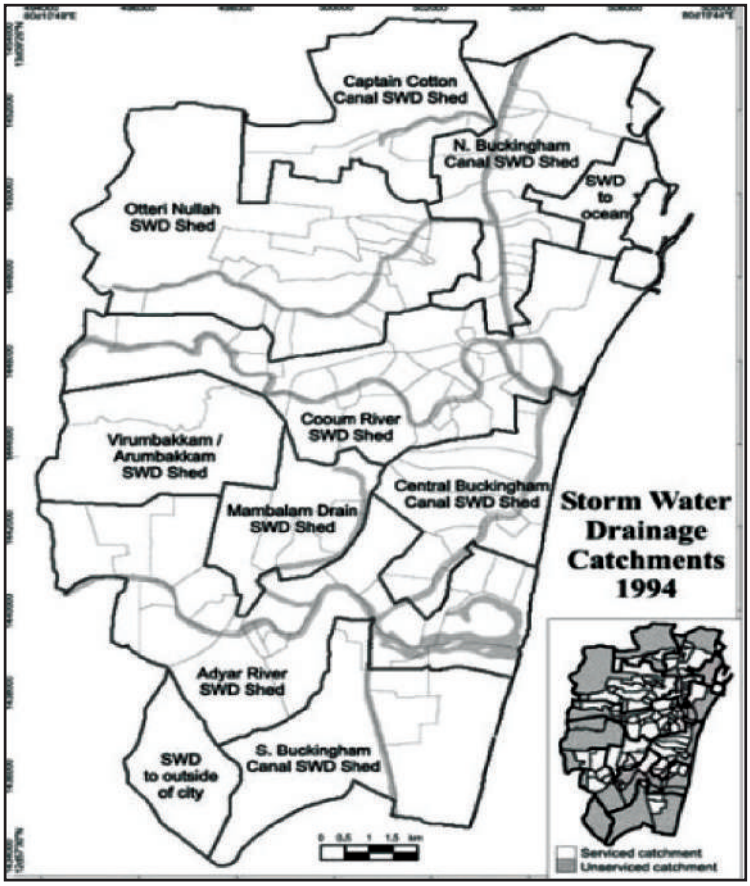
In Chennai IMD has two rain recording stations and 4 automated warning systems, the details are

1. Regional Meteorological Department, Nungambakkam

2. Airport Meteorological Department, Meenambakkam and four Automated Warning Systems in Avadi, DGP Office, Egmore, Sozhinganallur and Madhavaram.

2.7 Hydrology of City

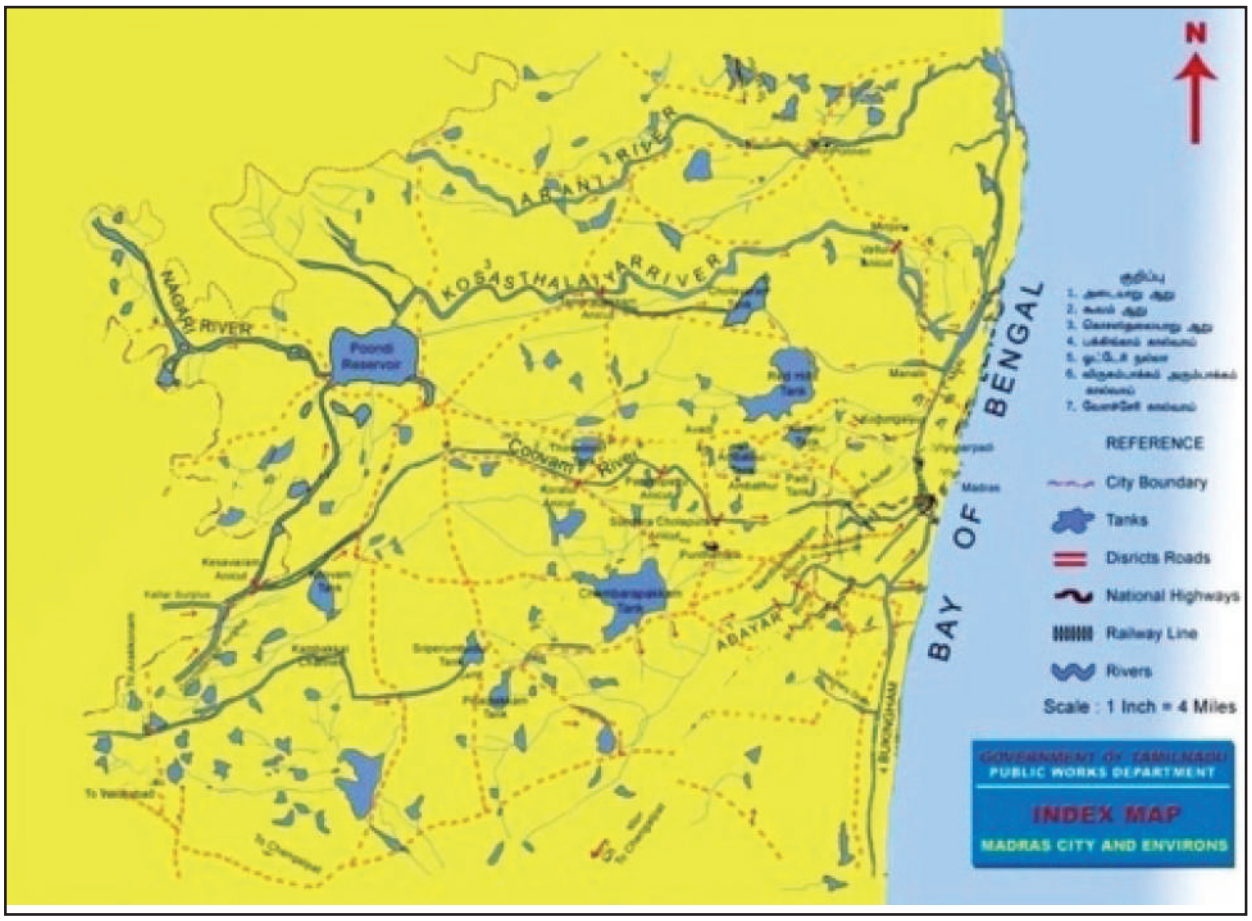
2.7.1 Water Bodies and Water Ways



There are 5 major water ways in the city maintained by the Water Resources Department (WRD) and 44 Canals maintained by Greater Chennai Corporation. There is a Storm water Drain Network in the city for a length of 3,041 km which are drained to major and minor drainage systems. The Stormwater drainage catchment of Chennai city is presented in the map. The drainage systems in the city is divided into two types i) Macro Drainage and ii) Minor Drainage System.

2.7.2 Major Drainage System

Two major rivers meander through Chennai are the Coovum River and Adyar River. A third river, Kosathalaiyar River flows through the northern fringes of the city before draining into the Bay of Bengal, at Ennore. The Buckingham Canal, runs parallel to the coast, linking the two rivers. The Otteri Nullah, an east–west waterway, runs through north Chennai and meets the Buckingham Canal at Basin Bridge. Several water bodies of varying size are located on the western fringes of the city. The drainage system with water bodies is given in detail in the following map.



Kosasthalaiyar River originates near Kaveripakkam near pallipet in Tiruvallur district and flows in eastward direction. It bifurcates into Cooum River and Kosasthalaiyar at Keshavaramanicut. The main branch of Kosasthalaiyar River then flows northwards and enters into Poondi Reservoir. Nagari River originating in Chittoor district, is a northern tributary and joins the Kosasthalaiyar River at Poondi reservoir. On the downstream side of Poondi reservoir, Kosasthalaiyar River flows through the Thiruvallur district and Chennai, and finally confluence with sea at Ennore.

Cooum River bifurcates from the main Kosasthalaiyar River at the Keshavaramanicut and flows eastwards through Kanchipuram district into Chennai and finally joins the sea near NapierBridge. Surplus from about 75 tanks in the catchment reaches are linked with CooumRiver.

Adyar River originates from two tank groups namely Pillapakkam and Kavanur in Kanchipuram District and flows through the Chennai before it joins the sea at Adyar Mouth. Surplus from about 450 tanks in the catchment, including a major tank at Chembarambakkam, reaches the Adyar River.

The Buckingham canal has been constructed more than 200 years ago, as a navigation channel. It originates close to Kakinada in Andhra Pradesh and runs along the east coast for a total length of 418 km. Its entry point into Chennai is near Athipattu village and the exit point is near Semmencheri village. While the three rivers run west to east, Buckingham canal runs north to south and connects all these three rivers at different points.

Besides the above three major river system, tthere are 44 canals runing in the city linked with the major drainage systems. While Otteri Nullah, Kodungaiyur canal and Captain Cotton Canal drains into the Buckingham canal, Veerangal odai and Velacheri drain discharge into Pallikaranai marsh. Virugambakkam canal discharges into the Cooum River.

The waterways maintained by Water Resources Department Department are detailed as follows.

Sl. No	List of Waterways	Length in Km
1	Adyar River	47.00
2	Buckingham Canal	47.00
3	Cooum River	67.00
	Total	**161.00**

2.7.3 Minor Drainage Network

There are 44 minor natural drainages in the city connected with the macro drainages which are maintained by the Greater Chennai Corporation. In addition to this, Stormwater Drain Network for a length of 3041 Km discharges rain water into the sea through major / minor drains.

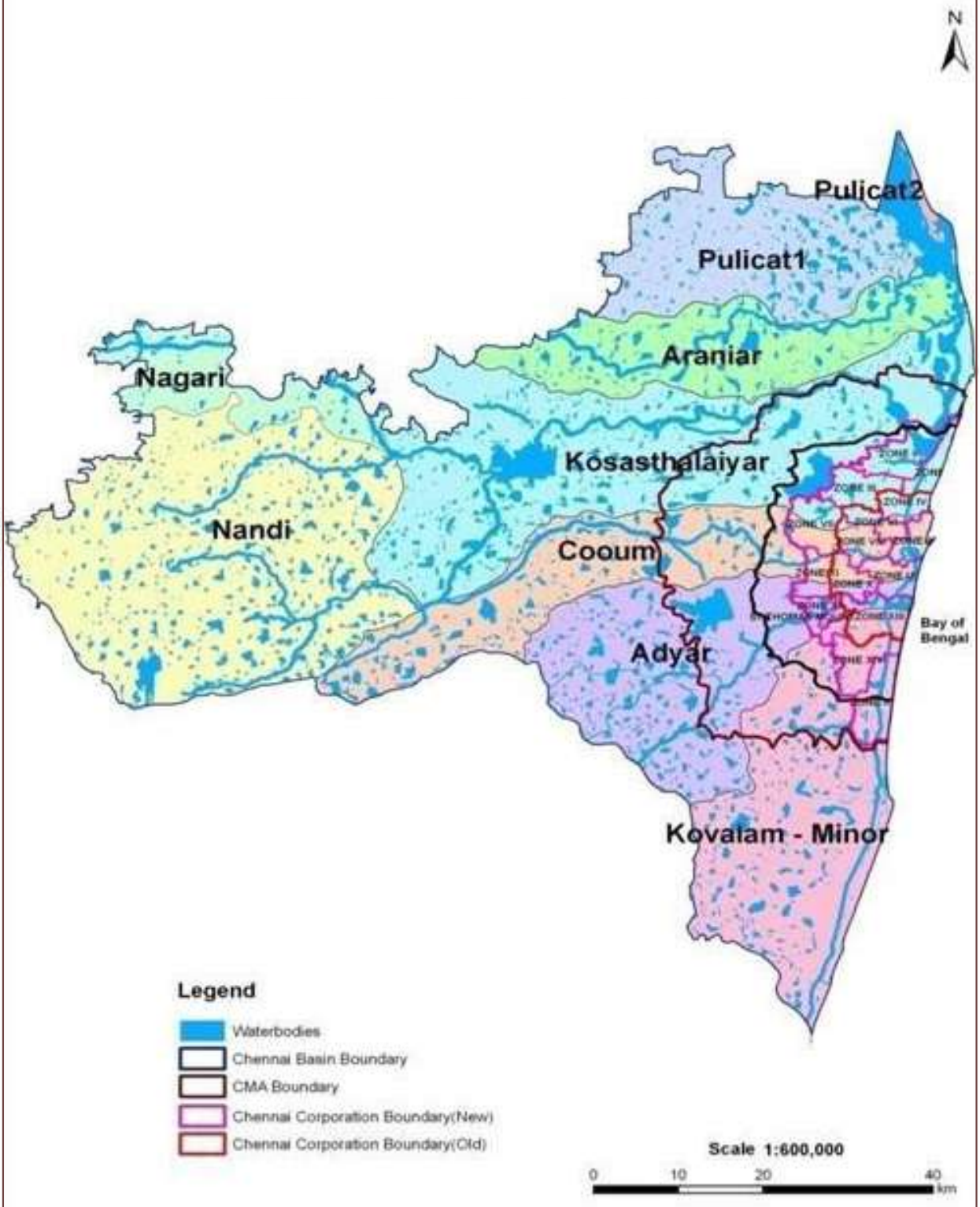
The Minor drainage or canals maintained by Greater Chennai Corporation with their respective zones are listed in the Table.

Minor Drainage system in Chennai city

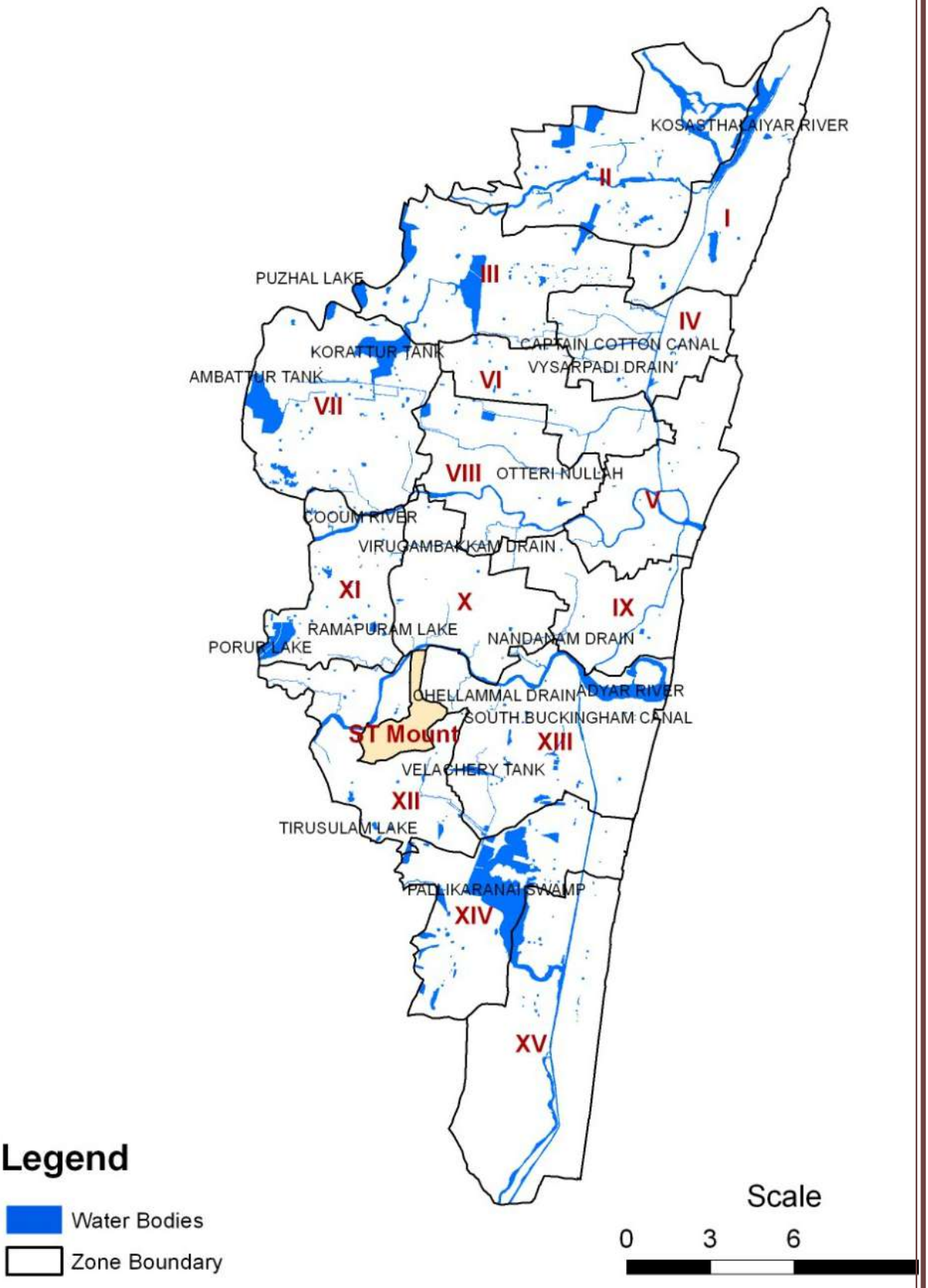
Sl. No	Zone No.	Name of the Canal	Length (in M)
1	I	Thamaraikulam Canal	500
2	II	Old Napalayam Canal	1299
3	II	Thulasi nagar Canal	2043
4	II	Manali Pudur TNHB Canal	1121
5	II	Periya Eatchankuzhi Canal	257

6	II	Kadapakkam Lake Surplus Canal	952
7	II	Madhavaram - Manali Lake Canal	1266
8	II	Ambedkar Nagar Canal	586
9	II	Jahir Hussain Canal	380
10	II	TPP Salai Canal	1730
11	II	Periya Nagar Canal	780
12	IV	Captain Cotton Canal	3040
13	IV	Kodungaiyur Canal (North)	1150
	IV	Kodungaiyur Canal (South)	1675
	IV	Kodungaiyur Canal (Main)	2575
14	IV	Link Canal	530
15	IV	Vyasarpadi Canal	1350
16	IV	Jawahar Canal	750
17	VI	Ekangipuram Canal	1530
18	VI	Gandhi Canal	200
19	VI	Railway Canal and Ansely Canal	1302
20	VI&VIII	Otteri Nullah Canal	10,800
21	VII	North Avenue Canal	2900
22	VII	Ambattur Sidco Canal	1320
23	VII	Padi kuppam Canal	2120
24	VIII	TVS Canal	910
25	VII	Agasthiyar Canal	180
26	VII&XI	Nolambur Canal	2480
27	IX	Nungambakkam Canal	900
28	IX	Nandanam Canal	1060
29	IX	Trustpuram Canal	1500
30	IX&XIII	Mambalam Canal	5800
31	X	MGR Canal	1800
33	X	Jafferkhanpet Canal	600
33	X&XI	Virugambakkam & Arumbakkam Canal	6,700
34	XI&XII	Nandambakkam Canal	3240
35	XII	Adambakkam Canal	927
36	XII,XIII,XIV	Veerangal Odai	4,000
37	X	Reddykuppam Canal	500
38	XIII	Chellammal College Canal	700
39	XIII	Guindy Industrial Estate Canal	1600
40	XIII	Rajbhavan Canal	1100
41	XIV	Pallikaranai Canal (Mayilai Balaji Canal - 1 & 2)	342
42	XIV	Ullagaram MGR Canal	900
43	XV	Secretariat colony Canal	1084
44	XV	Semmencheri Canal	2500
Grand Total			**81,132**

CHENNAI RIVER BASIN



ZONE BOUNDARIES WITH WATER BODIES



3.0 INSTITUTIONAL FRAMEWORK AND ARRANGEMENTS

"Disaster risk governance at the national, regional and global levels is vital to the management of disaster risk reduction in all sectors and ensuring the coherence of national and local frameworks of laws, regulations and public policies that, by defining roles and responsibilities, guide, encourage and incentivize the public and private sectors to take action and address disaster risk"

- **Sendai Framework for Disaster Risk Reduction 2015-2030**

This chapter provides an overview of the institutional framework and arrangements for disaster management in Chennai. It addresses priority 2 of the Sendai Framework that calls for strengthening disaster risk governance to manage disaster risk.

3.1 Relief Committee

GCC has formed a Relief Committee with the following members,

S.No	Committee Members	Designation
1	Commissioner, Greater Chennai Corporation	Chairman
2	Collector of Chennai	Member
3	Executive Director, Metro Water Chennai	Member
4	Joint Commissioner of Police (Traffic), Chennai	Member
5	Chief Engineer, Highways and Rural works	Member
6	Chief Engineer, PWD (Chennai & Environ area)	Member

The Chief Engineer in-charge of MRTS and the Joint Director /Deputy Director of Fire Services may also be invited for the meetings whenever required.

The duties of this committee is to monitor the following thrust area for disaster mitigation.

1. To evict the encroachments on regular basis, to maintain the free flow of rainwater.
2. To identify the vulnerable roads, subways, level crossings within the Greater Chennai Corporation limit which are likely to get inundated during the heavy rain periods.
3. To identify road and areas which are prone to inundation/ traffic congestion during periods of heavy rainfall.

4. To identify the areas which are likely to cause damages due to non-free flow of drainage water during the heavy rain periods.
5. To see the major drainage channels and also waterways like Adayar river, Cooum and Buckingham Canal, Otteri Nullah etc., free from encroachments, blocks etc., due to MRTS and other works.
6. To identify new drainage systems and also interlinking the existing drainage systems for efficient discharge of rain water during monsoon period.

3.2 Control Room Arrangements

The Integrated Command Control Centre in Greater Chennai Corporation is functioning at Ripon Building. The ICCC is functioning under overall supervision of the Joint /Deputy Commissioner (Works) with other staff functioning 24x7. For perfect co-ordination, the officers/staffs from the other line departments like TANGEDCO, CMWSSB, FISHERIES, WRD, PWD, POLICE will also be pooled at ICCC during monsoon/emergency time.

The intensity of rainfall will be collected on daily basis from the Metrological Department. The ICCC is to monitor the overall flood situation in the field and collect details of water stagnation, tree fall, status of subways, relief centres, food packets issued, pumps utilized for the removal of inundated water, evacuation operation, collection and distribution of relief materials etc. For every two hour, reports will be collected from the Zonal Office and will be submitted to the Commissioner. The issues related to flood mitigation pertaining to other departments will also be coordinated by the ICCC.

Integrated Command & Control Centre (ICCC)





The Water Resources Department is periodically contacted for the status

of flood levels in reservoirs around Chennai like Chembarabakkam lake, Narayanapuram, Red hills, Puzhal eri, etc., In case of breakdown of telephone and other communication networks, wireless network of GCC will be largely used for continuity. Whatsapp group is formed with all officials engaged in flood work to exchange the information which will be coordinated by the Control Room duty staff.

A dedicated Public Relation Officer/Assistant Public Relation Officer will be posted in the Control Room for media management. He will collect datas and details of relief operations from the field for press release. Press release will be done periodically with due approval of the Commissioner.

The other Control Rooms functioning at Secretariat, State Emergency Operation Center and Commissionerate of Revenue Administration office will also be coordinated. The contact details of all three Control Rooms are given in Appendix - I of this booklet.

3.3 State and District Administration

3.3.1 State Level Administration

The State Disaster Management Authority (SDMA) under the chairmanship of the Hon'ble Chief Minister is responsible for coordinating the response to disasters and reducing risks. All measures for mitigation, preparedness, response and recovery are undertaken under the guidance and supervision of the Authority. The SDMA approves the State Disaster Management Plan and District Disaster Management Plans in accordance with the guidelines laid down by the National Disaster Management Authority. The Greater Chennai Corporation's annual City Disaster Management Plan serves as the District Disaster Management Plan.

The SDMA is supported by State Executive Committee (SEC). Disasterspecific cells are being created to analyse the risk profile of the state in depth and to provide specific disaster risk reduction strategies for consideration of the SDMA. The Commissioner of Revenue Administration is the State Relief Commissioner and undertakes all activities relating to disaster management and mitigation besides managing relief and rehabilitation activities for any disaster in the State.

The Revenue Administration and Disaster Management Department is responsible for policy making and issuance of Government Orders based on approvals accorded by the SDMA, State Executive Committee and the Commissioner of Revenue Administration.

The State Advisory Committee has been constituted under the Chairmanship of the Principal Secretary / Commissioner of Revenue Administration. The Secretary, Revenue Disaster Management and Mitigation department is the co-chair. The Advisory Committee comprises of experts in various fields such asremote sensing, communication networks, weather forecasting, among others, to advice on measures for disaster risk reduction. The State Advisory Committee ensures that the concerns of diverse sectors are taken into account while formulating strategies for risk reduction.

3.3.2 District Level Administration

The District Disaster Management Authority (DDMA) has been constituted in Chennai under the Chairmanship of Commissioner. The District Disaster Management Authority acts as the District planning coordinating and implementing body for disaster management and takes all measures in accordance with the guidelines laid down by the State Disaster Management Authority. The District Disaster Management Authority in Chennai is chaired by the Commissioner, GCC.

The Control Room (DEOC) at Greater Chennai Corporation acts as a communication centre in Chennai city for dissemination of information received from SEOC. During disaster period, the Control Room functions round the clock by drafting the services of the Line Departments in Chennai for quick dissemination of alerts and collects information on the search, rescue, relief and rehabilitation operations from various quarters and update the same to Commissioner Greater Chennai Corporation and Commissioner of Revenue Administration & State Relief Commissioner.

The preparedness arrangements by Greater Chennai Corporation and coordination efforts with other departments and agencies have been articulated later.

3.3.3 Incident Response System

The management of response in disasters requires the government, communities, civil society and other stakeholders to carry out a large number of tasks. The activities involved in response management would depend on the nature and type of disaster. The Government of Tamil Nadu is adopting Incident Response System (IRS) in the state to ensure the unification of efforts of all the stakeholders to ensure immediate response during disasters to protect people

and their properties. The Incident Response System provides a systematic, proactive approach guiding the concerned departments and agencies at all levels of government, the private sector, and non-governmental organizations, to work seamlessly in disaster situations. For effective, efficient and comprehensive management of disasters in the State of Tamil Nadu, IRS is critical. The aim is not only to minimize loss of life and property but also strengthen and standardize the disaster response mechanism in the State.

Incident Response System for Natural Disasters: The Chief Secretary to the Government of Tamil Nadu is the overall Responsible Officer and is assisted by the Revenue and Disaster Management Department at the secretariat level and by the Commissioner of Revenue Administration / State Relief Commissioner who is the Incident Commander of the Incident Response System at the State level. The Commissioner, Disaster Management is the deputy Incident Commander. During Disasters all Line Departments function under the overall guidance of the Incident Commander. The Commissioner, GCC is the Incident Commander in Chennai.

Incident Response System for Manmade Disasters (Breakdown of Public Order, Terrorist Attack and Mutiny): The Ministry of Home Affairs, Government of India has prescribed a Crisis Management Plan for manmade disasters dealing with the breakdown of public order, terrorist attacks, mutiny, and migration/exodus/ infiltration. As per the Plan, the appropriate institutional mechanism involving the State Crisis Management Group and District Crisis Management Group will be put in place.

Incident Response System for Epidemics, Disease Outbreak and CBRN: The Chief Secretary to the Government of Tamil Nadu will be the Responsible Officer assisted by the respective Secretary Health and Family Welfare Department at the government level. The State Relief Commissioner / Commissioner of Revenue Administration will be the Incident Commander by the Director of Public Health at the State-level. The Commissioner, GCCwill be the Incident Commander in Chennai.

3.4 Other Departments and Stakeholders

3.4.1 Fire & Rescue Services Department

Fire and Rescue Services Department of the Government of Tamil Nadu is entrusted with the task of firefighting and rescue operations in times of emergency. The Fire and Rescue Services Directorate plays a very vital role in the area of firefighting and fire prevention. Apart from firefighting, this department also undertakes rescue activities and helps people, marooned in floods and caught in the debris of fallen buildings, road and rail accidents and other natural and man-made disasters. Fully automated firefighting futuristic equipment and robots will play a major role in the years to come.

3.4.2 Tamil Nadu Disaster Response Force (TNDRF)

Though the community always acts as a first responder during disasters that strike with limited warning time as well as during disasters which can be forecast at least 20-24 hours prior to the event, the role of specially trained disaster response forces will be extremely vital for quick and before time evacuation of the people likely to be affected as well as for efficient search and rescue in case of necessity. Realizing the importance and significance of Special Forces, the Government of Tamil Nadu has decided to raise an exclusive battalion as Tamil Nadu Disaster Response Force and has also provided Rs.15 crores for procurement of State of the art Search, Rescue and Evacuation equipment. In the years to come the personnel of TNDRF will be continuously trained to upgrade their skills on par with NDRF. In addition, 2500 Police personnel from different specialized forces who have been trained in Search, Rescue and Evacuation operations will continue to be trained to take advantage of their location in all Districts. The SDRF personnel after being equipped with skills on par with NDRF will also be engaged in training young recruits (to the Police, Fire Services and other specialized services) in Search, Rescue and Evacuation operations so that over a period of time all the coastal districts will have well-trained personnel numbering about 300 – 500 Police / Fire services / Home guards etc. The SDRF personnel will also be utilized to train the First Responders identified from among the community, especially in the vulnerable areas. The disaster response force will be equipped in a phased manner with modern technology like unmanned aerial vehicles, robots etc., which will be used in the following ways:

- High Antennas for Radio CommunicationsTethered Drone (HARC-TD)
- HARC-Tethered Drone for improved network and communications range extension for tactical radio communicators, first responders and similar users of mission-critical radio networks.
- UAVs with sensor options such as visual, thermal, LiDAR etc. will be procured for use to map disaster areas, generate high-resolution and 3D mapping, identify hot spot areas and upload the data in real time to coordinate search, rescue and evacuation efforts during natural disasters as well as industrial disasters.

GCC will request the assistance of TNDRF in case a disaster strikes.

3.4.3 Volunteers and Training

Community participation at grass root level is enabled through enrolment of able-bodied volunteers, with skills of swimming and climbing, as first responders. GCC maintains a database of volunteers and NGOs to support relief efforts. GCC has also trained 200 community volunteers through the centrally sponsored AapdaMitra Scheme. Elected representatives will be sensitized to the needs of the community during disasters and their capacities will be strengthened through orientation and other training programmes.

3.4.4 Civil Defence

The Civil Defence being a community based voluntary organization in addition to rescue, relief and rehabilitation, plays a significant role in the field of public awareness and also community capacity building to face any disaster situation as is being done by the Civil Defence in many countries. The Government of Tamil Nadu has accorded administrative and financial sanction for the formation of Civil Defence Training Institute at Palani at an estimated cost of Rs.1.92 crores and Rs.89.00 lakhs in 2014 for creating Civil Defence units in Chennai, Mamallapuram, Tiruchirappalli, Madurai and Thirunelveli. With a view to assisting officials during times of natural disasters, the Tamil Nadu Government will establish a 1,000 member-strong Civil Defence Corps for units proposed in five districts, including Chennai. The Corps units will come up in Chennai with a strength of 500 persons.

The necessity for such corps arose as there is a need for large number of human resources in areas affected by natural calamities such as cyclones or floods and to carry out rescue operations swiftly to ensure the early return of normalcy.

Some of the youth organizations namely, National Cadet Corps (NCC), National Service Scheme (NSS) and Nehru Yuva Kendra Sangathan (NYKS) have the inherent advantage of availability for immediate assistance at the ground level in the event of any disaster. These organizations are also proposed to be integrated in the overall Disaster Management framework with linkages with the Civil Defence set-up at the State Headquarters and Greater Chennai CorporationHeadquarters.

3.4.5 Preparedness & Response

Community participation in preparedness will be ensured through enrolment of First Responders in areas identified as vulnerable to flooding and other hazards. The capacities of these first responders will be further enhanced through appropriate training tailored for advanced level of response in flood situation, as well as, to other types of hazards, local risks and accidents with the help of government & non-government capacity building institutions.Greater Chennai Corporation conducted trainings through AapdaMitra Scheme.

3.4.6 Relief

Various stakeholders involvement is needed during different stages of relief. Identification of beneficiaries has to be done as per the guidelines/ broader framework given by the State Government and communities, who are the most important stakeholder, will be involved in identifying right beneficiaries. A coordination mechanism with NGOs and other stakeholders at state level, as well as at GCC level will be put in place to avoid duplication of efforts in relief distribution and to bring in more efficiency in terms of most affected areas getting more attention and equity in relief distribution.

3.4.7 Rehabilitation - Build Back Better

Multiple stakeholder involvement will also be encouraged for undertaking mitigation measures with an aim to build back better under the corporate social responsibility requirement of the profit-making public and private sectors as well as by dovetailing the projects being executed by civil societies from different sources of funding. Efforts will also be made to involve the community and other stakeholders in project implementation and monitoring.

3.4.8 Coordination with Central Agencies and Armed Forces

The Chief Secretary convenes a meeting of all central and state agencies prior to Northeast Monsoon in order to ensure perfect coordination among different agencies and to ensure efficient search, rescue and evacuation operation whenever necessity arises. The State Relief Commissioner / Commissioner of Revenue Administration shares the details of vulnerable areas and the map with the Central Agencies to help them familiarise with the vulnerable areas so that they can respond swiftly and effectively. These coordination meetings are held annually and special meetings are convened based on need.GCC receives instructions from the State Government.

4.0 CYCLONES AND FLOODS

The Chennai city has come across various natural calamities in the last three decades. In the following paras some of major disasters are discussed in detailed. During heavy flood in 1976 resulted in submergence of TNHB Quarters in Kotturpuram bank of Adayar river coupled with high & storm tide in the sea.

In 1996 the city was flooded by Adayar, Cooum and Kosasthalaiyar rivers. The surplus water from Poondi reservoir has collapsed Karanodai Bridge at Redhills. Similarly surplus water from Chembarambakkam Tank has flooded Adayar. In 1998, Thanikachalam Nagar, a residential colony in Madhavaram was flooded by Kodungaiyur canal.

During 2005, Chennai experienced an unprecedented maximum rain fall in a day. Cooum, Adayar, Otteri Nullah, B - Canal, Virugambakkam and Arumbakkam Canal flooded and people residing in the nearby areas were evacuated and many people became homeless. On 18th December 2005 in a school situated in MGR Nagar, K.K.Nagar where the relief material were distributed by the Government to the people affected by severe flood, 42 people died and 37 injured due to stampede.

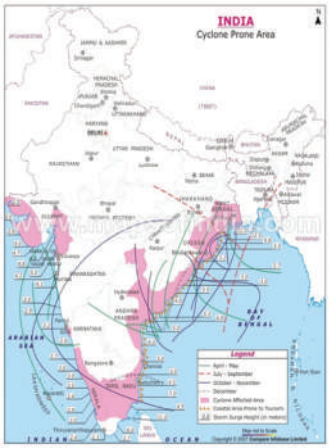
In the same year the city was also exposed to a Cyclone named as Fanoos with a wind speed of 85 km/hr east of Chennai on 9th December.

In 2008 again there was Nisha cyclone with wind speed of 83 – 102 km/hr hits the city on 26th November by which the city was badly affected. The following are some of the cyclones that hit Chennai in different periods, Cyclone Jal in 2010 with the wind speed of 100 – 110 km/hr, Cyclone Thane in 2011 with the wind speed of 140 -165 km/hr, Cyclone Nilam in 2012 with the wind speed of 85 -100 km/hr.

In 2020 Burevi Cyclone was a small tropical storm that made landfall in Sri Lanka in December 2020, being the first to do so since a depression in 2014. It had little effect on Southern India.

In 2022 Mandous Cyclone was the third cyclonic storm and the third most powerful tropical cyclone of the North Indian Ocean cyclone season in 2022.

The occurrence of flood is often in Chennai city. The measures have to be taken periodically and the development of prevention method is essential to minimise the damage. The preparedness strategy in the Greater Chennai Corporation is necessary for securing the lives of the people. In the following pages a subject



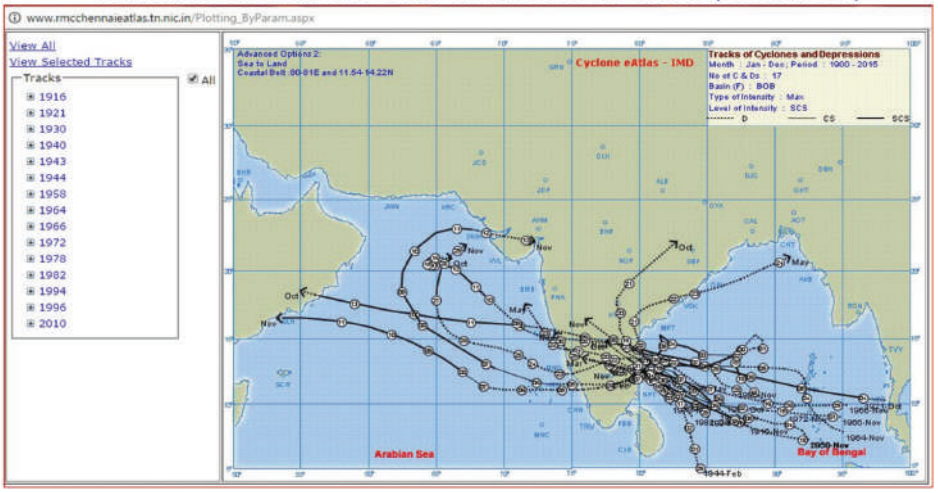
National Cyclone Risk Mitigation Project

The major Tropical cyclones which struck the coastal districts in India during the period 1891-2002

WEST COAST	MAJOR TROPICAL CYCLONES	EAST COAST	MAJOR TROPICAL CYCLONES
Kerala	3	West Bengal (69	69
Karnataka	2	Odisha (98)	98
Maharashtra	13	Andhra Pradesh (79)	79
Goa	2	Tamil Nadu (54)	54
Gujarat	28	Pondicherry (8)	8

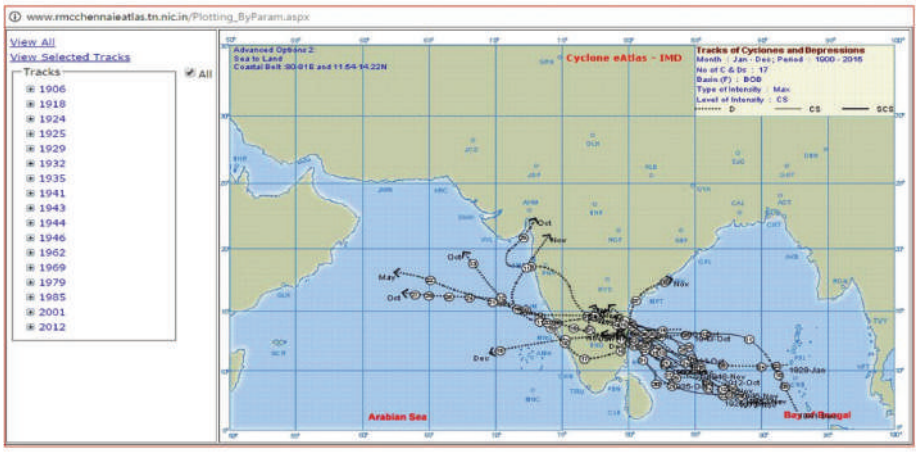
Tamil Nadu (54)	Chennai	18
	Cuddalore	7
	Southarcot	5
	Tanjavur	12
	Pudukkottal	5
	Ramnathpuram	3
	Tirunelveli	2
	Kanyakumari	2

SEVERE CYCLONIC STORM CROSSED BETWEEN NELLORE AND PONDICHERY (LATITUDE 14°22`10``N – 11°54`34``N) AFFECTING CHENNAI CITY OVER THE YEAR 1900 TO 2015 (FIFTEEN SCS)



SOURCE : IMD

CYCLONIC STORM CROSSED BETWEEN NELLORE AND PONDICHERY (LATITUDE 14°22`10``N – 11°54`34``N) AFFECTING CHENNAI CITY OVER THE YEAR 1900 TO 2015.(SEVENTEEN CS)



SOURCE : IMD

wise detailed preparedness for disaster management will be discussed. Therefore the measures are considered as a bench mark to derive the well secure mitigation plan for the future to strive to keep the people away from flood.

4.1 Cyclone

A cyclone (or more properly called Tropical Cyclones) is a system of wind with very low pressure at the centre and sorrounded by high pressure outward that occurs over the ocean near the tropics. Cyclones are one of the natural hazards that affect East coast of India almost every year causing large loss of lives and properties. Tropical Cyclone (TC), also known as 'Cyclone', is the term used globally to cover tropical weather systems in which winds equal or exceed the minimum of 34 knot (62 kmph). Hazards associated with tropical cyclones are long duration rotatory high velocity winds, very heavy rain and storm tide (the combined effect of storm-surge and astronomical tide).

Although the North Indian Ocean (the Bay of Bengal and Arabian Sea) generates only about 7% of the world's cyclones (5 to 6 TC's per year) their impact is comparatively high and devastating, especially when they strike the coasts bordering the North Bay of Bengal. Further the Bay of Bengal(BOB) produces more frequent and fiercer cyclones than the Arabian Sea(AS). For better understanding of severity of wind speed, the cyclones are broadly classified as "Cyclonic Disturbances" with the maximum wind speed of 17 knots or more, "Cyclone" measuring wind speed of 34 knots or more and "Severe Cyclones" exceeding wind speed of 48 knots. Following table illustrates the annual frequencies of cyclonic disturbances, cyclone, severe cyclone over BOB and AS for the period 1900 to 2024.

Frequency of Disturbances

YEAR	CYCLONIC DISTURBANCES				CYCLONES				SEVERE CYCLONES			
	BOB	AS	LAND	TOTAL	BOB	AS	LAND	TOTAL	BOB	AS	LAND	TOTAL
1900 to 2024	1167	244	131	1542	490	131	13	634	228	82	3	313

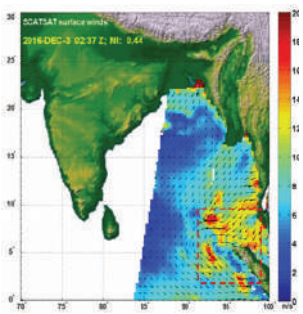
4.1.1 Nada Cyclonic Storm 2005

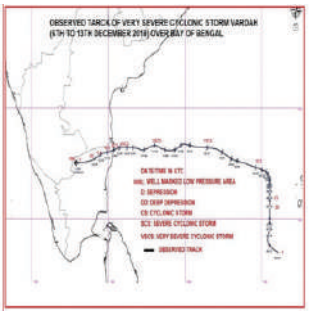
Under the influence of a trough, low pressure area formed in extreme southeast Bay of bengal. It slowly consolidated enough to be classified as a depression BOB 2005 on 29 November. This was followed by the Joint Typhoon Warning Center (JTWC) issuing a Tropical Cyclone Formation Alert (TCFA) for the system while it was rapidly concentrating to a deep depression. Remaining as a deep depression for a short time, the storm quickly intensified into a cyclonic storm and was named Nada by the IMD. Shortly thereafter, the storm reached its peak intensity with winds exceeding 75 km/h and a minimum central pressure of 1,000 mbar. Over the following days, the storm encountered high wind shear, which together with land interaction caused it to rapidly weaken and cross the coast of Tamil Nadu near Karaikal as a depression. The system was last noted as a well marked low pressure area over southern Karnataka.

4.1.2 Vardah Cyclone 2016

Low pressure formed over South East Bay of Bengal on 6th December 2016 intensified in to Depression, Deep Depression, Cyclonic Storm and further intensified in to very severe cyclonic storm on 10 th December 2016 and crossed north Tamil Nadu near Chennai as a severe cyclonic storm with a maximum sustained wind speed of 100-110 kmph gusting to 140 kmph during 1500 -1700 hrs IST of 12 th December.

Cyclonic storm “Vardah” made landfall in Chennai city on 12th December, 2016 and barreled inland packing wind speed more than 140 km/hour which created a sea of devastation and an average rainfall was recorded as 119.10 mm. This cyclonic storm was the most severe in two decades which uprooted lakhs of trees, devastated 1000s of lamp posts, spoiled several electrical installations such as transformers, brought several kutcha rooftops to the ground, disabled communication lines and brought the transport system to a grinding halt.





4.1.2.1 Damages Caused

Heavy loss to Chennai green cover as 17,157 avenue trees were uprooted by the cyclone, by which 558 bus route roads and 24761 interior roads were blocked. Gantry boards, Signages were also ripped away. 65 bus route roads damaged to a length of 14.5 km and 3500 interior route roads to a length of 400 km were damaged. 81 electricity installations were covered with fallen trees which delayed the restoration of power supply. 6133 street lamp poles were damaged along with 2226 street lamp fittings. 30 Stormwater drains to a length of 4.35 km, 2030 footpaths to a length of 21.3 km and 531 bus shelters were damaged.



Ayanavaram



Whites Road, Royapettah



Nandanam



Haddows Road



Thiru.Vi.Ka Bridge



Manali

4.1.2.2 Strategies and Restoration

The G.C.C men and machinery swung into action immediately and a massive war footing exercise to clear the roads by removal of uprooted trees and debris was undertaken. 4197 men from other districts along with G.C.C workers totaling to 19,411 were rushed in for the restoration work. 565 saws were deployed for tree cutting. 449 JCB's and 819 lorries were put in service on this war footing exercise to clear the fallen trees. The total damages have been estimated at Rs.321.94 Crores. By working round the clock, all the bus route roads and interior route roads were cleared for traffic which were blocked by fallen trees. This work continued till 24th December 2016.

The damaged lamp posts and light fittings were restored jointly by GCC and TANGEDCO. Tamilnadu Fire and Rescue services deployed their field personnel and were very effective in these operations. 176 relief centres were kept ready, out of which 27 was opened immediately in which 9,696 people were evacuated from coastal areas in Zone-I (Kathivakkam, Periyakuppam, Tiruvottiyur), Zone –II (Edayanchavadi, Manali New town), Zone-XIII (Kuppam Beach road, Srinivasapuram) and Zone-XV (Neelankarai and Okkiam thoraipakkam). More than 6 lacks food packets were given to affected persons and 610 health camps were conducted.

The removed garden debris have been stored in 78 temporary storage locations across the city to speed up the restoration work. The severity of damages due to cyclone were minimized by meticulous planning and coordination with various Government departments and fore warning the people throughout 9th and 10th December, 2016. This effort had given a lot of insight for future disaster management. Maximum precautionary measures were taken along with the co-ordination of TANGEDCO.

The G.C.C. mobilized men and materials rapidly and left no stone unturned for the restoration of normalcy in the City of Chennai.The Corporation also availed the services of Indian Meteorological Department, National Disaster Response Force(NDRF), State Disaster Response Force(SDRF), Fire and Rescue Services Department and Health and Family Welfare Department strategically. Medical teams with all necessary medical equipments were pressed into service.

4.1.3 Impacts of Cyclone

- There are three main features of cyclone (high wind, rainfall and storm surge) which can cause widespread damage.
- A major factor in the growing losses caused by meteorological hazards is

the concentration of population and economic activity in coastal plains and low-lying areas that are subject to storm surges and land-borne flooding.

- High wind can damage structures like houses and other infrastructure (bridges, dams, embankments etc.); uproot electricity supply and telecommunication lines etc.
- Extremely heavy rain can cause flooding. Floods wash away human beings and animals and make water unfit for drinking. There can be outbreak of diseases like cholera, jaundice or viral fever due to intake of impure water. Water gets contaminated because of floating carcasses and corpses and mixing of sewage. Movement of stored food supplies also gets severely affected due to floods as rail tracks and roads are breached. The floodwaters turn the fields salty.
- Storm surge inundates low-lying coastal areas resulting in life loss and destruction of property. Besides it destroys vegetation and reduces soil fertility. It also affects environment as coral reefs can often suffer damage.

4.1.4 Cyclone mitigation strategies

- Future critical facilities should not be located in areas of accelerated winds.
- The most significant aspect of structural damage to buildings by high velocity wind results from roof damage. The roofs of existing buildings should be inspected and if necessary retrofitted to adequate standards.
- The roofs of existing critical facilities should be retrofitted to a higher standard to ensure wind resistance.
- Building openings such as windows and doors also suffer damage from high velocity winds. These openings if not constructed of wood or metal should be protected with shutters or temporary covers of adequate design.

4.1.5 Common Cyclone preparedness measures

- Communication plans with easily understandable terminology and methods.
- Proper maintenance and training of cyclone disaster services, including mass human resources such as community based disaster response teams.
- Development and exercise of cyclone warning methods combined with cyclone shelters and evacuation plans.
- Stockpiling and inventory, management of essential supplies and equipments.

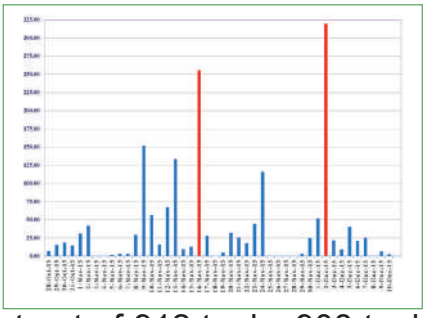
The detailed disaster management plan which has been detailed in this book for flood disaster will holds good for cyclone also.

4.2 Flood

The North East Monsoon sets on 28th October 2015, initially has not shown any disaster kind of down pouring, whereas from the second week of November heavy rain occurred which recorded as the wettest month of the last 100 years for receiving 1113.80 mm of rainfall.

Date	22.10.1969	27.10.2005	9.11.2015	13.1.2015	16.1.2015	02.12.2015
Rainfall in mm	279.7	272	166.8	147	256	319.6

This heavy rainfall coupled with a high speed wind resulted in fall of more than 911 trees in the City. Way back in 1918 Chennai has received 1088.40 mm in a month which remains maximum till date. The maximum rainfall recorded as 319.60mm on 02.12.2015 is the highest record on a single day. The day wise details of rainfall is depicted in the following table

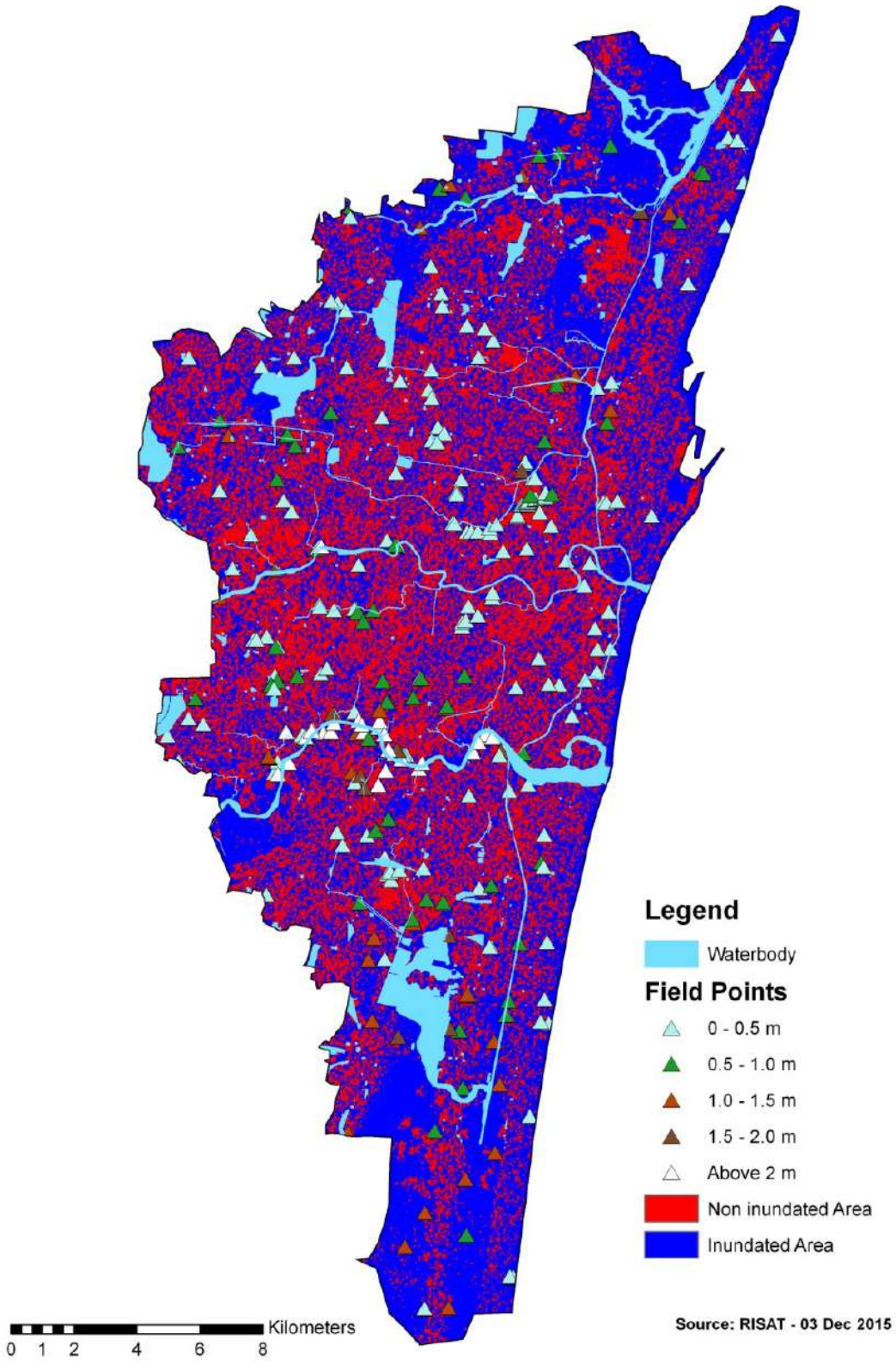


In Kanchipuram District out of 912 tanks 908 tanks were over flowing due to which excess water fed into Chembarambakkam lake through 170 drains causing flood in Adyar, Coovam rivers and link canals. Similarly in Kovalam basin 65 tanks were over flowing causing inundation in Sholinganallur and Perungudi areas. In Tiruvallur District surplus water released from Puzhal – Redhills, Poondi reservoir causing flood in Kosasthalaiar basin.

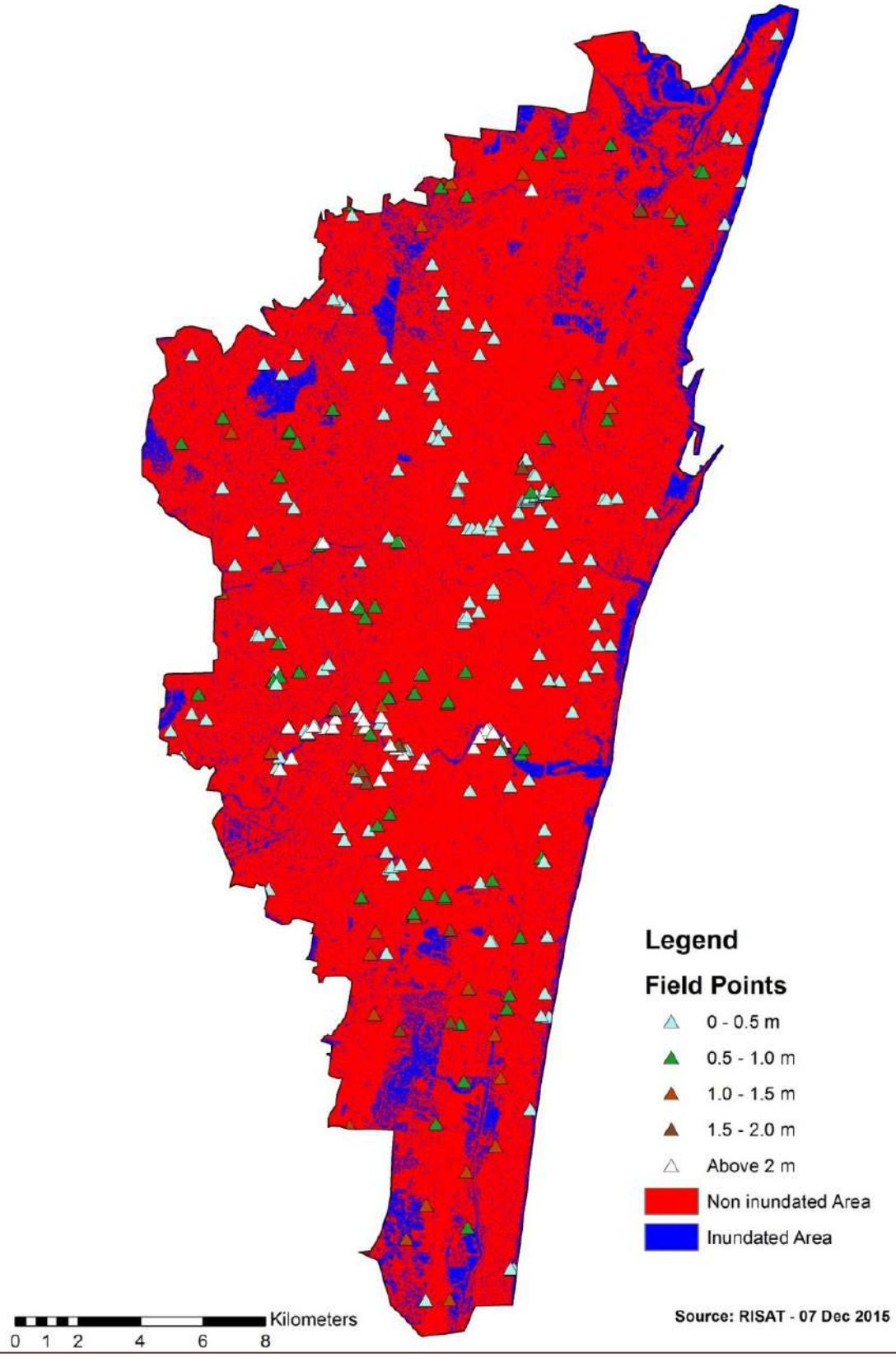
Some of the most affected areas are Mudichur, West Tambaram, Manapakkam, Saidapet, Jafferkhanpet, Kotturpuram etc. Many inundated areas were with more than 2 m height of water. The carrying capacity in Coovum and Buckingham canal exceeded beyond its designed capacity. Canals including 44 minor canals in Chennai city has flooded the near by areas. As a result of about 859 places in Chennai City were inundated due to heavy rainfall and Greater Chennai Corporation jointly with Other Departments cleared water stagnation and 911 fallen trees.

The satellite pictures showing nature and intensity of inundation during flood 2015 taken on 3rd and 7th December is given in the following pages

Inundation on 3 Dec 2015



Inundation on 7 Dec 2015



Chronic Inundation Locations During Monsoon - 2015						
Sl. No	Zone	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet	Total
1	I	1	7	0	6	14
2	II	0	0	0	3	3
3	III	2	6	1	1	10
4	IV	0	7	0	7	14
5	V	0	1	0	12	13
6	VI	0	0	0	36	36
7	VII	0	0	0	6	6
8	VIII	1	1	0	7	9
9	IX	5	20	0	40	65
10	X	0	9	0	0	9
11	XI	4	13	0	9	26
12	XII	0	0	0	8	8
13	XIII	24	17	0	26	67
14	XIV	0	0	0	16	16
15	XV	0	3	0	7	10
TOTAL		37	84	1	184	306

Depth of Inundation During Monsoon - 2015							
S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
1	1	5	TH Road jn.of MRF Road				Yes
2	1	6	Kalaignar nagar	Yes			
3	1	1	SVM Nagar I main road				Yes
4	1	1	SVM Nagar II main road				Yes
5	1	1	Kamaraj salai		Yes		
6	1	4	AD Colony, Ernaavoor		Yes		
7	1	7	Kargil nagar, Rajaji nagar		Yes		
8	1	1	SVM Nagar, Ulaga-nathapuram		Yes		
9	1	10	Nandhi odai , Sadayank-uppam battai		Yes		
10	1	12	Srinivasapuram, B.K.N Colony				Yes
11	1	4	Kathivakkam high road				Yes
12	1	5	T.H. Road (MRF road junc-tion)		Yes		
13	1	5	T.H. Road near Liftgate				Yes
14	1	6	Manali Express road, (Mul-lai nagar, Jothi nagar, TKS Nagar)		Yes		
15	2	15	Manali New Town 60 Feet Road				Yes (Only during flood)
16	2	16	Rajiv Gandhi Nagar from TPP Salai to Andarkuppam Main Road				Yes (Only during flood)
17	2	16	From Kanniammanpet pond to Kadappakkam Lake				Yes (Only during flood)
18	3	22	Mahalakshmi Nagar		Yes		
19	3	23	Punitha Anthoniyar Street		Yes		
20	3	23	Othai vadai Street		Yes		
21	3	31	Ambedhkar Nagar		Yes		
22	3	32	Sarathy Nagar				Yes
23	3	22	KS Nagar (Thirumalai Nagar)			Yes	
24	3	25	Collector Nagar	Yes			
25	3	25	Aringhar Anna Nagar,	Yes			
26	3	24	Ambattur Redhills road (Highway)		Yes		
27	3	25	GNT Road (Near Roundana)		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
28	4	41	Carnesh Nagar				Yes
29	4	45	Sundram Power Lane				Yes
30	4	45	B.V Colony 19 and 20th Street				Yes
31	4	45	Annai Sathya Nagar				Yes
32	4	45	Ganesapuram Main Road				Yes
33	4	47	KH Road		Yes		
34	4	34	Kodungaiyur canal North wing from Ch.0.0 to Ch.850m		Yes		
35	4	34	Kodungaiyur canal North wing from Ch.850 to Ch.1150m		Yes		
36	4	34	Kodungaiyur canal North wing from Ch.1675 to Ch.2191m		Yes		
37	4	40	Elaya street to AE koil st		Yes		
38	4	39	T.H Road from North Terminal road to AE koil st				Yes
39	4	41	Ch.2500 to 2940 in Captain Cotton Canal		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
40	4	41	Ch.2940 to 3360 in Captain Cotton Canal		Yes		
41	4	46	Sathya Moorthy Nagar 24th Block				Yes
42	5	54	Walltax Road				Yes
43	5	61	Ghandhi Irwan Bridge Road				Yes
44	5	58	EVK Sampath Salai,				Yes
45	5	61	Egmore High Road,				Yes
46	5	62	Arunachalam Road,				Yes
47	5	63	Chella pillayar Koil Street,				Yes
48	5	63	G.P. Road,				Yes
49	5	53	Vijayaragavalu Roundana,		Yes		
50	5	58	Sydnams Road,				Yes
51	5	53	Walltax Road				Yes
52	5	62	Singanna Chetty Street,				Yes
53	5	54	Walltax Road				Yes
54	5	59	VOC Salai,				Yes
55	6	64	Poombugar Nagar 1st Main Road				Yes
56	6	64	Poombugar Nagar 2nd Main Road				Yes
57	6	64	Dhanammal Nagar				Yes
58	6	64	Samuthirya Colony 1st Street				Yes
59	6	64	Anjugam Nagar 4th Street				Yes
60	6	64	Poombugar Nagar 11th Cross Street				Yes
61	6	64	Gandhi Street				Yes
62	6	64	MN Nagar				Yes
63	6	65	Hussain Colony 4th Street				Yes
64	6	65	Teachers Colonly				Yes
65	6	66	Gandhimathi Street				Yes
66	6	66	Jawahar Nagar				Yes
67	6	67	Rangasiyee Street				Yes
68	6	68	Andiyappan Street				Yes
69	6	66	Kamaraj Street				Yes

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
70	6	68	Pallavan Street				Yes
71	6	71	Konnur High Road				Yes
72	6	72	Decaster Road				Yes
73	6	72	Doss Nagar Pallam				Yes
74	6	73	Ammaiyammal Street				Yes
75	6	74	Sec Colony 1st to 9th Street				Yes
76	6	75	Vallavan Street				Yes
77	6	77	Demellous Road (Near Haj Committee)				Yes
78	6	78	V.V.Koil Street				Yes
79	6	68	Maduraiswamy Madam				Yes
80	6	70	Bharathi Main Road				Yes
81	6	76	Straganas Road				Yes
82	6	76	Angalamman Koil Street				Yes
83	6	72	Dr. Ambedkar College Road				Yes
84	6	66	Shanthi Street				Yes
85	6	66	Ragavan Street				Yes
86	6	68	Mohamadin Salai				Yes
87	6	73	Lal Singh Street				Yes
88	6	73	Mannarswamy Street				Yes
89	6	67	Gopal Reddy Colony				Yes
90	6	73	New Ferrance Road				Yes
91	7	82	Gnanamoorthy Nagar & EB Colony				Yes
92	7	83	NAS Garden & TVS Nagar				Yes
93	7	86	Cth Road near Petrol Bunk				Yes
94	7	86	Annai Sathya Nagar				Yes
95	7	90	Thirumagalam road				Yes
96	7	93	Vandiamman Koil st				Yes
97	8	94	Annai Sathya Nagar from Wheels India Culvert to Padi Bridge Culvert	Yes			
98	8	94	Villivakkam Sidco Nagar 2nd main road I main road to Burial Ground Compound Wall		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
99	8	95	Anna Nagar 18th main road (South) Ch.500m (Reach I) from 100 feet road to Ch.500m				Yes
100	8	95	Anna Nagar 18th main road (South) from Ch.500m (Reach 2) to Ot-teri Nullah canal				Yes
101	8	95	Anna Nagar 18th main road (North) Ch.425m from Vasantham Colony to 2nd street (Reach II)				Yes
102	8	95	Anna Nagar 18th main road (North) from 100' road to Ch.425m (Reach I)				Yes
103	8	95	Kumarasamy Nagar ,Ag-athiyar canal				Yes
104	8	101	2nd Avenue, Anna Nagar (Roundana)				Yes
105	8	103	Kellys Road				Yes
106	9	109	Vanniyar 2nd Street				Yes
107	9	109	Gill Nagar 1nd street				Yes
108	9	110	School Road				Yes
109	9	110	Kamarajapuram Main Road				Yes
110	9	111	Maakkis Garden	Yes			
111	9	111	Thideer Nagar	Yes			
112	9	111	Conron Smith Road				Yes
113	9	113	Habibullah Road				Yes
114	9	113	G.N.Chetty Road				Yes
115	9	113	North usman street				Yes
116	9	113	Kodambakkam High road				Yes
117	9	114	C.N.K. Road				Yes
118	9	114	Sydoji Street				Yes
119	9	114	John Mohammad Street				Yes
120	9	114	Lock Nagar				Yes
121	9	115	Dr. Besant Road				Yes
122	9	116	Dr. Besant Road				Yes
123	9	117	North Usman Road		Yes		
124	9	117	G.N.C.Road	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
125	9	117	South boug road		Yes		
126	9	117	Thirumalai pillai Street				Yes
127	9	113	Sarathapuram Street		Yes		
128	9	118	Kasthuri Estate 1st street				Yes
129	9	118	Kasthuri Estate 2nd street				Yes
130	9	119	Avvai Shanmugam Salai		Yes		
131	9	119	Lakshmipuram 2nd Street				Yes
132	9	119	Avvai Shanmugam Salai 1st Lane	Yes			
133	9	119	Royapettah High Road				Yes
134	9	119	P.S.Siva Swamy Street		Yes		
135	9	120	Dr. Natesan Road				Yes
136	9	121	Dr. Radha Krishnan Salai(jn of Thiru.Vi.Ka.High Road)				Yes
137	9	121	Dr. Radha Krishnan Salai (jn of Dr.Natesan Road)				Yes
138	9	121	Dr. Radha Krishnan Salai (infornt of Reliance Build-ing)				Yes
139	9	122	K.B.Dasan Road		Yes		
140	9	122	Cresent Road		Yes		
141	9	122	Seethammal colony 3rd Street,		Yes		
142	9	122	Seethammal colony 4th street,		Yes		
143	9	122	Tankbund Road	Yes			
144	9	122	Nandhanam extension 1st Street		Yes		
145	9	122	Nandhanam extension 2nd Street		Yes		
146	9	122	Nandhanam extension 3rd Street		Yes		
147	9	122	Nandhanam extension 4th Street		Yes		
148	9	122	Nandhanam extension 5th street		Yes		
149	9	122	Nandhanam extension 6th Street		Yes		
150	9	122	Nandhanam extension 7th Street		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
151	9	122	Nandhanam extension 8th Street		Yes		
152	9	122	Nandhanam extension 9th Street		Yes		
153	9	122	Nandhanam extension 10th Street		Yes		
154	9	122	Seethammal 1st Main Road		Yes		
155	9	123	R.A.Puram 1st main road				Yes
156	9	123	Eldams Road				Yes
157	9	123	R.A.Puram 3rd cross street				Yes
158	9	124	Kutcherry Road				Yes
159	9	125	Karaneswarar Pagoda Street				Yes
160	9	126	Santhome Hign Road				Yes
161	9	111	Whites Road				Yes
162	9	112	Railway border road				Yes
163	9	112	Sowrastra nagar 5th street				Yes
164	9	112	Trustpuram 1st cross street				Yes
165	9	112	Bharathishwarer colony 3rd street				Yes
166	9	112	Sivan koil street				Yes
167	9	118	Mayor Sundra (rao) road				Yes
168	9	121	Thiru-Vi-Ka 3rd street				Yes
169	9	113	Improvements of Stormwater drain at North Usman Road				Yes
170	9	113	Improvements of Stormwater drain and construction of 3 road crossing culverts Habibullah Road				Yes
171	10	127	Kaliamman Koil Street(from CMWSSB STP to Sai nagar annex)		Yes		
172	10	131	Rajamannar Salai		Yes		
173	10	134	Rangarajapuram		Yes		
174	10	128	Vembuliamman Koil street		Yes		
175	10	130	100 feet Road (junction of periyar pathai)		Yes		
176	10	136	North Usman Road		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
177	10	127	100 feet road (junction of Kaliamman Koil Street)		Yes		
178	10	127	Kaliamman Koil Street (infront of police station)		Yes		
179	10	111 & 127	Kaliamman Koil Street at Koyambedu from Metro Water Office in Dn.111 to 100 ft road in Dn.127		Yes		
180	11	144	MMDA Colony 4th , 5th & 6th block				Yes
181	11	145	Pallavan Nagar				Yes
182	11	143	Gajalakshmi nagar	Yes			
183	11	143	VGN nagar phase III		Yes		
184	11	143	Sakthi nagar				yes
185	11	143	Vembuli amman koil street				Yes
186	11	146	Metro nagar				Yes
187	11	147	Krishna nagar		Yes		
188	11	147	Alapakkam main road		Yes		
189	11	147	Pallavan nagar				Yes
190	11	148	Anbu nagar		Yes		
191	11	148	Balavinayagar street		Yes		
192	11	148	CDN nagar				Yes
193	11	149	Radha avenue		Yes		
194	11	149	Sri Lakshmi nagar		Yes		
195	11	150	Mullai street				Yes
196	11	150	Arcot road		Yes		
197	11	151	Officers colony		Yes		
198	11	151	Annai sathya nagar		Yes		
199	11	153	Ganesh avenue 1st to 10th street		Yes		
200	11	155	Amman nagar	Yes			
201	11	155	Royala nagar	Yes			
202	11	155	Bakthi vedhandha avenue	Yes			
203	11	154	Bharathi salai		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
204	11	148	IAS Qtrs Road and Pachaiman koil street from Dead End to Virugambakkam Canal				Yes
205	11	152	Sairam avenue		Yes		
206	12	156	Bhell Nagar				Yes
207	12	157	Kaviya Garden, CRR Puram Phase III, Purachi Thalivi Nagar, Bhell Nagar, Dharmarajapuram, Sathiya Nagar, Astalakshmi Avenue and Sedhu Lakshmi Avenue, River view colony				Yes
208	12	165	Bharathidasan Nagar,				Yes
209	12	167	Nanganallur 44th street				Yes
210	12	158	Ganapathi Colony from Thulasingapuram to Adayar river of size 1200x1200mm				Yes
211	12	165	Bhuvaneswari Nagar,				Yes
212	12	165	Income Tax colony Area Back flow of sewage water				Yes
213	12	162	Thillai Ganga Nagar 25 th Street, 27th Street, 28th Street, Thillai Ganga Nagar 2nd MainRoad, and 4th Main Road				Yes
214	13	173	Mayflower garden		Yes		
215	13	173	R.A Puram IV cross street		Yes		
216	13	173	Valleswaranthottam		Yes		
217	13	173	Srinivasa avenue		Yes		
218	13	174	Mosque street				Yes
219	13	179	Gandhi road	Yes			
220	13	179	Vallalar street - Annai Indra nagar	Yes			
221	13	179	Sivasakthi street - Annai Indra nagar	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
222	13	179	Kamatchiamman street - Annai Indra nagar	Yes			
223	13	179	Sastri street (Part)	Yes			
224	13	179	Udayam nagar & extn	Yes			
225	13	177	Astalakshmi nagar II, III, IV & V streets				Yes
226	13	173	MRC Nagar		Yes		
227	13	173	Vasantha avenue		Yes		
228	13	173	Kasthuri avenue		Yes		
229	13	175	L.B road				Yes
230	13	175	Kasthuribai nagar				Yes
231	13	175	Indra nagar				Yes
232	13	175	Anna avenue				Yes
233	13	176	Sastri nagar II, IX & XV cross street		Yes		
234	13	178	A.G.S Colony	Yes			
235	13	179	V.G.P Selva nagar Extn I to V streets	Yes			
236	13	179	V.G.P Selva nagar I cross street & I main road	Yes			
237	13	179	Bhuvaneshwari nagar I & III cross street & III main road	Yes			
238	13	179	Veenus colony II street	Yes			
239	13	181	Dr.Radhakrishnan nagar				Yes
240	13	181	Valmigi street				Yes
241	13	180	C.S.I.R road				Yes
242	13	174	Nehru nagar - Veerapandi-ya Kattabomman street		Yes		
243	13	174	Nehru nagar - Periyar street		Yes		
244	13	174	Nehru nagar - Anbil Dhar-malingam street		Yes		
245	13	174	Velachery main road		Yes		
246	13	182	Journalist colony		Yes		
247	13	171	Construction of SWD of size 1500x1500mm along and across Sardar Patel road (Opp to Rajbhavan)		Yes		

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
248	13	177	EB colony 2nd street from EB colony main road to Radha Nagar extension main road		Yes		
249	13	177	Lakshmi nagar 2nd street from Lakshmi Nagar main road to Rajiv Gandhi nagar main road		Yes		
250	13	182	Avvai nagar				Yes
251	13	182	Kannappa nagar				Yes
252	13	182	Ganapathy colony				Yes
253	13	172	Chitra nagar, Kotturpuram	Yes			
254	13	177	Ambedkar nagar II main road				Yes
255	13	177	Kamarajar street - Nehru nagar				Yes
256	13	177	TNHB Colony III main road				Yes
257	13	177	A.G.S Colony VI street				Yes
258	13	177	ASK Nagar				Yes
259	13	177	Ex Service man colony				Yes
260	13	177	Ambedkar nagar I cross street				Yes
261	13	177	TNHB Colony - EWS lanes				Yes
262	13	177	Nethaji colony I to IV cross streets				Yes
263	13	177	Andal nagar extn I to III streets				Yes
264	13	177	Venkateswara nagar III main road				Yes
265	13	177	A.G.S Colony III main road				Yes
266	13	177	Mahalakshmi nagar III cross street				Yes
267	13	177	Brindavan nagar II street		Yes		
268	13	179	Seshadripuram I main road	Yes			
269	13	170	Nagi (R) Thottam	Yes			

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
270	13	170	Chetti thottam	Yes			
271	13	170	Neruppumedu	Yes			
272	13	170	Vinayagapuram	Yes			
273	13	170	Anusuyamandapam	Yes			
274	13	178	Vijayanagar area	Yes			
275	13	178	Ram Nagar area	Yes			
276	13	179	Tansi nagar II, III, V, VII & X streets	Yes			
277	13	179	Dhandeeswaram nagar	Yes			
278	13	179	Seetharam nagar	Yes			
279	13	179	Sarathy nagar	Yes			
280	13	180	Velachery Taramani road (100' road)				Yes
281	14	184	MGR Salai, MRTS (Near ICDS)				Yes
282	14	187	Karthikeyapuram				Yes
283	14	187	New Kubera Nagar 5th & 7th Street				Yes
284	14	169	Ram Nagar (North)				Yes
285	14	169	Annai Therasa nagar				Yes
286	14	169	Puzhuthivakkam Bust Stand				Yes
287	14	186	OMR, Jn. of Thirumalai Nagar				Yes
288	14	185	ECR, Palgalai Nagar				Yes
289	14	183	ECR, Near BATA Show-room				Yes
290	14	183	ECR Opp. Fish market				Yes
291	14	184	OMR, MGR Salai Jn.				Yes
292	14	185	ECR, Govindan Nagar				Yes
293	14	188	Rajesh Nagar				Yes
294	14	188	Rajaji Nagar				Yes

S.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
295	14	188	LIC Nagar				Yes
296	14	188	Madipakkam Bus Stand				Yes
297	15	192	Ellaiamman koil street				Yes
298	15	193	MCN Nagar				Yes
299	15	194	OMR - Mettukuppam (VPG Avenue Junction)		Yes		
300	15	197	Wipro Salai		Yes		
301	15	192	Kumaraguru Avenue , Neelankarai				Yes
302	15	192	Pandian Salai, Nee-lankarai				Yes
303	15	192	Saraswathi Nagar South, Neelankarai		Yes		
304	15	193	Karpaga Vinayagar Koil Street, Vettuvankeni				Yes
305	15	196	Ist Avenue Main Road, Vettuvankeni				Yes
306	15	197	Lalbahadhur Sasthiri Street				Yes

Chronic Inundation Locations During Monsoon - 2017						
Sl. No.	ZONE	**Very High Vulnerability Above 5 Feet**	**High Vulnerability 3 to 5 Feet**	**Medium Vulnerability 2 to 3 Feet**	**Low Vulnerability less than 2 feet**	Total
1	I			18	1	19
2	II				11	11
3	III				37	37
4	IV				23	23
5	V				3	3
6	VI				9	9
7	VII			4	8	12
8	VIII				5	5
9	IX				12	12
10	X				5	5
11	XI				1	1
12	XII				4	4
13	XIII				10	10
14	XIV			1	47	48
15	XV				6	6
Total		0	0	23	182	205

Depth of Inundation During Monsoon - 2017							
Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
1	I	3	Annai sivagami nagar 6th street			Yes	
2	I	4	Thiruveedhiamman koil 5th street			Yes	
3	I	4	Mettu street			Yes	
4	I	5	MRF road junction			Yes	
5	I	5	Jaigopal karodia school				Yes
6	I	5	Gandhi nagar (Inside Market)			Yes	
7	I	6	Kalaignar nagar 9th street			Yes	
8	I	6	Manali express road			Yes	
9	I	7	Rajaji nagar VOC street			Yes	
10	I	7	Rajaji nagar sathyamootthy street			Yes	
11	I	7	Rajaji nagar Kirubananadavariyar street			Yes	
12	I	7	Rajaji nagar Muthuramalingam street			Yes	
13	I	7	Kargil nagar pumping station			Yes	
14	I	10	Nandhiodai			Yes	
15	I	11	T.H road (Opp. To Zonal office)			Yes	
16	I	12	BKN colony			Yes	
17	I	13	Varadarajan street (Govt. school)			Yes	
18	I	13	Gandhi nagar (In railway land)			Yes	
19	I	14	T.H road (Rajakadai)			Yes	
20	II	15	Manali New Town 73rd Block				Yes
21	II	15	Edayanchavadi				Yes
22	II	15	Chinna Eachankuzhi				Yes
23	II	16	Manali New town 84th,89th,90th Blo ck				Yes
24	II	16	Manali New town 89th Block				Yes
25	II	16	Manali New town 90th Block				Yes
26	II	17	Kosappur School				Yes
27	II	18	All Street				Yes
28	II	19	MMDA 46TH Street				Yes
29	II	20	Kamarajar Salai				Yes
30	II	21	Jalakandamariamman Koil Street				Yes

31	III	22	Vegetarian Village				Yes
Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
32	III	24	Sriram Nagar,				Ye
33	III	24	Venkateswara Nagar				Yes
34	III	24	Venkatasai Nagar				Yes
35	III	24	Vijayalakshmi Nagar				Yes
36	III	24	Grace Ngr				Yes
37	III	24	Elisabath Ngr				Yes
38	III	24	Sathiyamoorthy Ngr				Yes
39	III	24	Ganapathy Ngr				Yes
40	III	24	Kamarajar Ngr				Yes
41	III	24	Krishna Ngr				Yes
42	III	24	Purushothaman Ngr				Yes
43	III	24	Velumurugan Ngr				Yes
44	III	25	padmavathy nagar (Gnt Road Roundana)				Yes
45	III	25	Veeraragavan nagar				Yes
46	III	25	Collector Nagar				Yes
47	III	25	lakshmi Nagar				Yes
48	III	25	INTUC Nagar				Yes
49	III	25	Arignar Anna Ng				Yes
50	III	26	Ganapathy Siva Nagar, Thirupathy thangavel nagar				Yes
51	III	29	Perumal koil St				Yes
52	III	29	Perumal koil StExtension				Yes
53	III	29	Kakkan puram cross St				Yes
54	III	29	Velu St				Yes
55	III	29	Apparaj St				Yes
56	III	29	Devarajan 2nd Cross st				Yes
57	III	29	Gandhi Cross st				Yes
58	III	31	Kannapiran kovil st				Yes
59	III	31	kalkattashop				Yes
60	III	32	NANDHA NAGAR				Yes
61	III	32	VENKATESWARA NAGAR				Yes

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
62	III	32	TEACHERS COLONY 4TH MAIN ROAD				Yes
63	III	33	Annapoorna Nagar entire Area(Vacant Land)				Yes
64	III	33	Ganapathy thottam,				Yes
65	III	33	Prakash Nagar				Yes
66	III	33	VIP Ngr				Yes
67	III	33	Elisabath Ngr				Yes
68	IV	34	Thendral Nagar				Yes
69	IV	35	Muthamil Nagar 202nd Street				Yes
70	IV	35	Gandhi Nagar				Yes
71	IV	35	Krishna Salai				Yes
72	IV	37	Abirami Avenue 14th Street				Yes
73	IV	37	MKB Nagar 4th Cross Street				Yes
74	IV	38	Vaithiyanathan Street				Yes
75	IV	38	Patel Nagar 3rd Street				Yes
76	IV	38	Nehru Nagar 13th Street				Yes
77	IV	38	Nethaji Nagar 2nd Street				Yes
78	IV	40	Thiruvalluvar Nagar				Yes
79	IV	41	MGR Nagar 5th, 6th, 7th & 8th Street				Yes
80	IV	41	Parthasarathy Street				Yes
81	IV	41	Marimuthu Street				Yes
82	IV	41	Kasthuribai Street				Yes
83	IV	44	Kamaraj Street				Yes
84	IV	44	Palani andavar Koil Street				Yes
85	IV	45	Annai Sathya Nagar				Yes
86	IV	45	B.V.Colony 18th Street				Yes
87	IV	46	Palla 2nd & 3rd Street				Yes
88	IV	46	E.H Road (Moorthingar Opp Es-waran Koil)				Yes
89	IV	46	S.M.Nagar Main Road				Yes
90	IV	47	Meenambal Nagar 5th Street				Yes
91	V	53	C.B.Road				Yes
92	V	57	Prakasam Salai				Yes
93	V	58	Ritherdon road				Yes

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
94	VI	64	Siva Sakthi Nagar				Yes
95	VI	64	Appasamy Street				Yes
96	VI	65	Ambedkar Nagar 1st Cross Street				Yes
97	VI	65	Ashok Avenue				Yes
98	VI	69	Bunder Garden				Yes
99	VI	72	Decaster Road				Yes
100	VI	74	Secratriate Colony 4nd Street				Yes
101	VI	74	Secratriate Colony 6th Street				Yes
102	VI	77	Elephant gate Road				Yes
103	VII	79	Manolodai St				Yes
104	VII	80	Sabari st, Chital st				Yes
105	VII	81	OT Bus stand				Yes
106	VII		Singapore complex				Yes
107	VII	82	Sakthi Nagar, Vital st			Yes	
108	VII	82	Vanasakthi Nagar,TVS Nagar,Sastha Nagar,				Yes
109	VII	83	Iyyappan st				Yes
110	VII	84	Kanniamman Koil st,			Yes	
111	VII	84	Bajanai Koil st, Dass industrial estate				Yes
112	VII	86	TNHB Phase-III			Yes	
113	VII	86	Rampoorna Nagar			Yes	
114	VII	89	Akshyacolony				Yes
115	VIII	99	H Block 5th Street				Yes
116	VIII	105	Razak Garden				Yes
117	VIII	105	Indra Gandhi Street				Yes
118	VIII	105	Mmda Colony H Block				Yes
119	VIII	105	J Block				Yes
120	IX	110	School Road				Yes
121	IX	110	Strelling Road				Yes
122	IX	111	Whites Road				Yes
123	IX	111	Gopalapuram 1st street				Yes
124	IX	113	Prakasam Salai				Yes
125	IX	113	Nungambakkm High Road (Near Park Hotel)				Yes

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
126	IX	115	Dr.Besant road (Uruthu School)				Yes
127	IX	118	Anna Salai				Yes
128	IX	119	Avvai Shanmugam Salai 1st lane				Yes
129	IX	119	Lakshmipuram 2nd Street				Yes
130	IX	121	Dr.R.K.Salai				Yes
131	IX	122	Chamiers Road				Yes
132	X	127	Kaliamman Koil street Near Market				Yes
133	X	136	Bazulla Road				Yes
134	X	136	Burkit Road				Yes
135	X	127	Kaliamman Koil street				Yes
136	X	131	R.K.Shanmugam Salai				Yes
137	XI	148	Thangal Karai, Periyar Nagar				Yes
138	XII	156	Panichathamman Koil				Yes
139	XII	161	IG Office				Yes
140	XII	162	Kannan Colony				Yes
141	XII	165	Balaji Nagar Extn.(Vacantland to SWD)				Yes
142	XIII	174	CGHSS - Five furlong road				Yes
143	XIII	174	Radhakrishnan street				Yes
144	XIII	174	Pandiyan street				Yes
145	XIII	174	Velachery main road				Yes
146	XIII	177	Venkateswara nagar III street (Vacant land - 1 & Dhandeeswaram disposal - 1)				Yes
147	XIII	177	TNHB III avenue (Vacant land)				Yes
148	XIII	179	Park avenue III street				Yes
149	XIII	179	V.G.P Selva nagar IV main road				Yes
150	XIII	180	Kennady street				Yes
151	XIII	180	Anna street				Yes
152	XIV	168	Giri Street				Yes
153	XIV	169	Ram Nager Ist st				Yes
154	XIV	169	Sivasubramaniyam st				Yes
155	XIV	169	Jaya Nagar				Yes

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
156	XIV	169	Thanthai Periyar School				Yes
157	XIV	169	Manikandan street				Yes
158	XIV	187	New Kuberan Nagar 5th street				Yes
159	XIV	187	New Kuberan Nagar 7th street				Yes
160	XIV	187	Kathikeyapuram 12th street				Yes
161	XIV	188	Arul murugan nagar 1st street				Yes
162	XIV	188	Vishal Nager Main Road				Yes
163	XIV	188	Krishnaveni Ammal Nagar				Yes
164	XIV	188	mahalakshmi nagar				Yes
165	XIV	188	madipakkam bus stand				Yes
166	XIV	188	Govindaswamy Nagar				Yes
167	XIV	188	Arul murugan nagar 4th street				Yes
168	XIV	188	Veeramani Street				Yes
169	XIV	188	Kuberan nagar 14th street				Yes
170	XIV	188	Kuberan nagar 15th street				Yes
171	XIV	189	perumal Nagar				Yes
172	XIV	189	meru Nagar Main road				Yes
173	XIV	189	kamaraj Street				Yes
174	XIV	190	kannan thasan Nagar (park)				Yes
175	XIV	190	nehru Street (part)				Yes
176	XIV	190	Kovalan Nagar 6th street				Yes
177	XIV	190	Rajiv Street (part)				Yes
178	XIV	191	pallavan Street				Yes
179	XIV	191	pallavan Nagar 1 Street (part)				Yes
180	XIV	191	pallavan Nagar 2 Street (part)				Yes
181	XIV	191	pallavan Nagar 3 Street (part)				Yes
182	XIV	191	pallavan Nagar 4 Street (part)				Yes
183	XIV	191	padamavathi nagar main road				Yes
184	XIV	191	Nagathamman kovil st			Yes	
185	XIV	191	Indra gandhi street				Yes
186	XIV	191	Rajiv gandhi street				Yes
187	XIV	191	Mani megali Street				Yes
188	XIV	191	Bagavathu Singh Street				Yes
189	XIV	191	Manikkam Street				Yes

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 Feet	High Vulnerability 3 to 5 Feet	Medium Vulnerability 2 to 3 Feet	Low Vulnerability less than 2 feet
190	XIV	191	Nethaji Street				Yes
191	XIV	191	Kovalan Street				Yes
192	XIV	191	Rajeshwari Street				Yes
193	XIV	191	Kannagi Street				Yes
194	XIV	191	Kambar Street				Yes
195	XIV	191	Indhra Street				Yes
196	XIV	191	Kumarakurubarar Street				Yes
197	XIV	191	Rajiv Gandhi Cross Street				Yes
198	XIV	191	Vaithiya Lingam Stret				Yes
199	XIV	191	Pachayappan Koil Street				Yes
200	XV	192	Kabaleeswarar Nagar 5th cross street				Yes
201	XV	193	MCN Nagar Extn 3rd Street				Yes
202	XV	194	Raju Nagar 1st and 2nd Street				Yes
203	XV	196	Bethel Nagar				Yes
204	XV	196	ECR-Jn of Gandhi Street				Yes
205	XV	197	Bajanai Kovil Street				Yes
			TOTAL				

NORTH EAST MONSOON-2018

Chronic Inundation Location During Monsoon - 2018

Sl. No	Zone	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet	TOTAL
1	I	0	0	0	2	2
2	III	0	0	1	2	3
3	VII	0	0	0	7	7
4	VIII	0	0	0	3	3
5	XI	0	0	0	2	2
6	XIV	0	0	0	17	17
7	XV	0	0	0	19	19
TOTAL				1	52	53

NORTH EAST MONSOON-2018							
Depth of Inundation During Monsoon -2018							
No of stagnation : 53 locations							
Sl.No	Zone	Div	Location	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
1	1	6	Jothi Nagar				Yes
2	1	7	Rajaji Nagar				Yes
3	3	22	Thirumalai nagar				Yes
4	3	26	Sivaganapathi nagar	_	_	_	Yes
5	3	26	Perimalum nagar	_	_	Yes	_
6	7	82	Karukku Main Road	_	_	_	Yes
7	7	83	TVS Nagar East, Balaji Nagar	–	–	–	Yes
8	7	83	Iyappan Nagar,	_	_	_	Yes
9	7	83	Balaji Nagar	_	_	_	Yes
10	7	91	Jeswanth Nagar				Yes
11	7	92	Vellalar Street				Yes
12	7	93	Padikuppam Main road				Yes
13	8	94	Mth Road Near Villivak-kam Police Station				Yes
14	8	104	Dr Alagappa Road				Yes
15	8	104	Sundaram Lane				Yes
16	11	147	Nagenthiran Street				Yes
17	11	150	Chettiyaragaram Main Road				Yes
18	14	169	Ram nagar 1st street	_	_	_	Yes
19	14	169	Ram nagar2nd street	_	_	_	Yes
20	14	169	Ram nagar3rd street	_	_	_	Yes
21	14	169	Ram nagar 5th street	_	_	_	Yes
22	14	169	Ram nagar 7th street	_	_	_	Yes
23	14	169	Ram nagar 8th street	_	_	_	Yes
24	14	169	Manikandan street	_	_	_	Yes
25	14	169	Sivasubramaniyam street	_	_	_	Yes
26	14	169	Sivaprakasham 1st street	_	_	_	Yes
27	14	169	Balaji nagar 24th street	_	_	_	Yes

28	14	169	Annai Therasa nagar 7th street	–	–	–	Yes
29	14	169	Annai Therasa nagar 4st street	–	–	–	Yes
30	14	169	Annai Therasa nagar 14th street	–	–	–	Yes
31	14	169	Ramalingam nagar main road	–	–	–	Yes
32	14	169	Jaya nagar	–	–	–	Yes
33	14	183	Division office	–	–	–	Yes
34	14	187	Saraswathi street	–	–	–	Yes
35	15	192	Infront of Maharastra Bank at ECR Road Nee-lankarai	–	–	–	Yes
36	15	192	Ellaiyamman Koil 4th Street, Neelankarai	–	–	–	Yes
37	15	193	Mahathma Gandhi 2nd Main Road	–	–	–	Yes
38	15	193	Karpaga Vinayagar Nagar 3rd Street	–	–	–	Yes
39	15	193	Karpaga Vinayagar Na-gar4th Street	–	–	–	Yes
40	15	193	Karpaga Vinayagar Nagar 5th Street	–	–	–	Yes
41	15	193	Kasthuribai 10th cross street	–	–	–	Yes
42	15	193	Karpaga Vinayagar Nagar 7th Street	–	–	–	Yes
43	15	194	Balaji Nagar	–	–	–	Yes
44	15	194	Bharathiyar Nagar	–	–	–	Yes
45	15	195	Saraswathi Nagar 4th Cross Street	–	–	–	Yes
46	15	196	ECR Road Pilominal School	–	–	–	Yes
47	15	196	Ramalinga nagar	–	–	–	Yes
48	15	197	Annai Fathima school	–	–	–	Yes
49	15	197	Classic Farm Retreat 1st st	–	–	–	Yes
50	15	198	Ponniyamman koil 5th cross street	–	–	–	Yes
51	15	200	Thiruvalluvar Nagar	–	–	–	Yes
52	15	200	Jawahar nagar 5th.6th cr st	–	–	–	Yes
53	15	200	Nookampalayam link road	–	–	–	Yes

Chronic Inundation Locations During Monsoon - 2019

Sl.No.	ZONE	No.of.Water Stagnation locations	Very High Vulnerability	High Vulnerability	Medium Vulnerability	Low Vulnerability	Total
1	I	1	0	0	0	1	1
2	II	0	0	0	0	0	0
3	III	1	0	0	0	1	1
4	IV	0	0	0	0	0	0
5	V	2	0	0	0	2	2
6	VI	1	0	0	0	1	1
7	VII	1	0	0	0	1	1
8	VIII	1	0	0	0	1	1
9	IX	2	0	0	0	2	2
10	X	2	0	0	0	2	2
11	XI	1	0	0	0	1	1
12	XII	0	0	0	0	0	0
13	XIII	1	0	0	0	1	1
14	XIV	4	0	0	0	4	4
15	XV	2	0	0	0	2	2
		19	0	0	0	19	19

Depth of Inundation During Monsoon -2019

Sl.No.	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet
1	1	7	Kargil Nagar, Thiruvotriyur				Yes
2	3	24	Surapet Main Road				Yes
3	5	56	Prakasam Salai				Yes
4	5	58	EVK Sampath Salai				Yes
5	6	69	Paper Mills road				Yes
6	7	83	North Avenue, TNHB 27th,28th,42th,49th,50th,61st				Yes
7	8	100 , 102	P.H Road, Near Arumbak-kam and Near Mosque				Yes
8	9	113	Nungambakkam High (Near Park Hotel)				Yes
9	9	117	North Usman Road				Yes
10	10	127	Jawahar lal nehru, 100 feet road, Koyambedu junction				Yes
11	10	130	100 Feet road, CMRL , Vadapalani junction				Yes
12	11	152	Arcot road infront of lamech school				Yes
13	13	174	Vellachery Main Road Pheo-nix Mall Near vijaya nagar junction				Yes
14	14	188 , 169 , 187	Ram Nagar 6th, 8th ,9th Street				Yes
15	14	191	Quidamillath Street				Yes
16	14	188,187	Kuberan Nagar				Yes
17	14	169,187	Sadasivam Nagar				Yes
18	15	200	Nookkambaalayam link road				Yes
19	15	200	Jawahar Nagar				Yes
			TOTAL				

Chronic Inundation Locations During Monsoon - 2020

Sl.No.	ZONE	No.of.Water Stagnation locations	Very High Vulnerabil- ity	High Vul- nerability	Medium Vul- nerability	Low Vulner- ability	Total
1	I	1				1	1
2	II	0				0	0
3	III	0				0	0
4	IV	2				2	2
5	V	1				1	1
6	VI	2				2	2
7	VII	1				1	1
8	VIII	2				2	2
9	IX	2				2	2
10	X	2				2	2
11	XI	2				2	2
12	XII	1				1	1
13	XIII	3				3	3
14	XIV	2				2	2
15	XV	2				2	2
		23	0	0	0	23	23

Depth of Inundation During Monsoon -2020

Sl.No.	Zone	Ward	Location	Very High Vulner-ability Above 5feet	High Vulner-ability 3 to 5 feet	Medium Vulner-ability 2 to 3 feet	Low Vul-nerability less than2 feet
1	1	07	Kargil Nagar, Thiruvotriyur				Yes
2	4	42	Kailasam Street.				Yes
3	4	47	Meenambal Nagar, Kathivakkam High Road.				Yes
4	5	57	Prakasam Salai,				Yes
5	6	65 & 66	Senthil Nagar 1st Main Road & Selvi Nagar 1 to 5 Street. Periyar Nagar (Kathikeyan Salai), Jaganathan Salai.				Yes
6	6	77	Pulianthope High Road				Yes
7	7	83	North Avenue, Korattur				Yes
8	8	94	Baba Nagar, Villivakkam, South Jaganatha Nagar 3rd Main Road.				Yes
9	8	100	3rd Avenue, Anna Nagar				Yes
10	9	113	Habibullah Road				Yes
11	9	123	R.A Puram 1st Main Road				Yes
12	10	131	Rajammannar Salai & R.K. Shanmugam Salai.				Yes

13	10	136	Bazullah Road				Yes
14	11	143	Gajalakshmi Nagar Main Road & Gajalakshmi Nagar 5th Street				Yes
15	11	150	Arcot Road Northern side (from Porur Jun to Karambakkam Police Booth)				Yes
16	12	162 & 164	Kannan Colony, Vembuli Amman Koil Road, Alandur				Yes
17	13	174	City Link Road, Five Furlong Road, Cart Track Road, Pillaiyar Koil Street, Nethaji Road.				Yes
18	13	177	Velachery AGS Colony 4th Street & 5th Street				Yes
19	13	180	MGR Main Road. Periyar Nagar, Tharaman				Yes
20	14	169	Ram Nagar 10th & 11th Street.				Yes
21	14	188	Mayilai Balaji Nagar (Kuberan Nagar, Ram Nagar South) Pallikaranai.				Yes
22	15	196	Selva Nagar				Yes
23	15	200	Semmancheri Housing Board Colony, Semmancheri EzhilmugaNagar, Jawahar Nagar.				Yes
			TOTAL				

Chronic Inundation Locations During Monsoon - 2021							
Sl.No.	ZONE	No.of.Water Stagnation locations	Very High Vulnerability	High Vulnerability	Medium Vulnerability	Low Vulnerability	Total
1	I	16	0	0	3	13	16
2	II	6	0	1	1	4	6
3	III	60	0	2	9	49	60
4	IV	50	0	3	6	41	50
5	V	53	0	0	1	52	53
6	VI	14	0	0	7	7	14
7	VII	10	0	0	5	5	10
8	VIII	33	0	0	5	28	33
9	IX	58	0	1	6	51	58
10	X	37	0	1	4	32	37
11	XI	27	0	0	1	26	27
12	XII	21	0	0	1	20	21
13	XIII	48	0	7	2	39	48
14	XIV	79	0	3	6	70	79
15	XV	49	0	0	4	45	49
		561	0	18	61	482	561

Depth of Inundation During Monsoon -2021								
Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
1	1	1	K.H Road near Vinayakar Kovil				Yes	
2	1	1	K.H.Road			Yes		
3	1	1	S.V M Nagar Burial Ground			Yes		
4	1	2	Valluvar nagar subway				Yes	
5	1	2	Kamaraj Nagar 7th Street				Yes	
6	1	2	Periyar Kupam Barial Ground				Yes	
7	1	2	Nehru Nagar				Yes	
8	1	3	Etps Colony				Yes	
9	1	4	AD Colony				Yes	
10	1	4	Jothi Nagar				Yes	
11	1	4	Shanmugapuram 2nd Street			Yes		
12	1	6	Shanmugapuram 12th Cross Street				Yes	
13	1	6	Rajashanmugapuram 2nd Street				Yes	
14	1	7	Annamalai Nagar				Yes	
15	1	7	Ramasamy Nagar				Yes	
16	1	11	Kanakar Street				Yes	
17	2	15	Ediyan Chavadi				Yes	
18	2	16	Jenifer Nagar			Yes		
19	2	17	Saraswathi Nagar				Yes	
20	2	19	Bala Subramaniyam Nagar		Yes			
21	2	20	New MGR Nagar				Yes	
22	2	21	Neducheziyan Salai				Yes	
23	3	22	Thiruneelakandar 4th St				Yes	
24	3	22	Valluvar St				Yes	
25	3	22	K.S. Nagar 27th St				Yes	
26	3	22	K.S. Nagar 26th St				Yes	
27	3	22	K.S. Nagar 2nd St			Yes		
28	3	23	Division Office 23		Yes			
29	3	23	NSK Street				Yes	
30	3	23	Warehouse				Yes	
31	3	24	Kamarajar Street		Yes			
32	3	24	Sriram Nagar			Yes		
33	3	24	Sarathy Nagar				Yes	
34	3	24	Venkat Sai nagar 8th street				Yes	
35	3	24	Venkat Sai nagar 11 th street				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
36	3	25	Mahalakshmi Nagar				Yes	
37	3	25	David Jeyarel St				Yes	
38	3	25	GNT Road				Yes	
39	3	26	Sami Nagar				Yes	
40	3	26	Thirumazhai nagar			Yes		
41	3	26	Parimalam nagar				Yes	
42	3	26	Thanikachalam 3rd main road				Yes	
43	3	26	Ponniamman medu				Yes	
44	3	27	Padma nagar				Yes	
45	3	28	AVM Nagar			Yes		
46	3	28	Susilammal St				Yes	
47	3	28	Rajeshwari Ammal St				Yes	
48	3	28	Sasthi nagar				Yes	
49	3	28	Padavattamman Koil St				Yes	
50	3	28	Ayyavu Garden				Yes	
51	3	28	Kumaran street				Yes	
52	3	28	Papathi street				Yes	
53	3	29	Velu Street				Yes	
54	3	29	Vazhuthigaimedu St.,(near amma unavagam)				Yes	
55	3	29	Kannabiran Koil Street				Yes	
56	3	29	Devarajan Street			Yes		
57	3	29	Vedagiri street			Yes		
58	3	29	Mahatmagandhi street				Yes	
59	3	29	Perumal Koil(gandhi nagar)			Yes		
60	3	29	Perumal koil Extn				Yes	
61	3	29	Krishna Street			Yes		
62	3	29	Adhiraj Street			Yes		
63	3	30	Masilamani Nagar				Yes	
64	3	30	Pandakulam				Yes	
65	3	30	VRB nagar				Yes	
66	3	30	Roja nagar				Yes	
67	3	32	Teacher’s Colony 4th street				Yes	
68	3	32	Teacher’s Colony 5th street				Yes	
69	3	32	Teacher’s Colony 7th street				Yes	
70	3	32	Sarathy Nagar Extn.				Yes	
71	3	32	Narmadha Nagar				Yes	
72	3	32	Venkateshwara Nagar				Yes	
73	3	32	Mookambikai Nagar				Yes	
74	3	33	Dr.Abdul kalam Road				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
75	3	33	Elizabeth Nagar				Yes	
76	3	33	Ganapathy jeeva Thootam				Yes	
77	3	33	Cement godown factory				Yes	
78	3	33	Kasiammal nagar				Yes	
79	3	33	Bharathiyar nagar				Yes	
80	3	33	Ramalinga Colony				Yes	
81	3	33	Annapurana nagar				Yes	
82	3	33	200 ft.road (opp Prasath Hospital)				Yes	
83	4	34	Durga Avenue 1st Main Road				Yes	
84	4	34	Sastri Nagar				Yes	
85	4	34	Thendral Nagar 8th Street				Yes	
86	4	35	Muthamiz 8th Block 191				Yes	
87	4	35	Muthamiz 8th Block 197			Yes		
88	4	35	Muthamiz 8th Block 207			Yes		
89	4	36	Sharma nagar 1st main road				Yes	
90	4	38	Nehru 14th St				Yes	
91	4	38	New Venba Nagar 3rd St				Yes	
92	4	38	Ilaya Mudali Street				Yes	
93	4	39	A.E Koil St (Thiruvalluvar Nagar)				Yes	
94	4	39	Poondithabgammal Street				Yes	
95	4	39	MPT Quarters				Yes	
96	4	40	VOC Nagar			Yes		
97	4	40	Thiuruvaluvar Nagar		Yes			
98	4	40	TP Scheme			Yes		
99	4	40	Madha Koil Street		Yes			
100	4	40	Jeeva Nagar		Yes			
101	4	40	Vaidhiyanathan Road			Yes		
102	4	41	Ennore High Road, MGR Nagar				Yes	
103	4	41	MGR Nagar 6th St				Yes	
104	4	41	MGR Nagar 7th St				Yes	
105	4	41	MGR Nagar 8th St				Yes	
106	4	42	Kailasam St				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
107	4	42	Jeeva Street				Yes	
108	4	42	Veera Kutty Street				Yes	
109	4	44	Palaniandavar street				Yes	
110	4	44	Manicka vinayagar koil street				Yes	
111	4	44	Nattal garden				Yes	
112	4	44	Raniammaie st				Yes	
113	4	45	Ganesa puram Subway			Yes		
114	4	45	Ganesan Main Road				Yes	
115	4	45	Stephenson Road				Yes	
116	4	45	Chinna Thambi Street				Yes	
117	4	45	Gramiya Street				Yes	
118	4	45	Stephenson Lane				Yes	
119	4	46	Palla Street				Yes	
120	4	46	Ponnappan St				Yes	
121	4	46	Balakrishnan St				Yes	
122	4	46	Moorthy St				Yes	
123	4	47	Thiyagappa street				Yes	
124	4	47	Kannan Road				Yes	
125	4	47	Sigirintha Palayam				Yes	
126	4	47	K.H Road				Yes	
127	4	47	Egambaram Street				Yes	
128	4	48	Muthaiya Mudali St				Yes	
129	4	48	Nanayappan St				Yes	
130	4	48	Subbammal St				Yes	
131	4	48	Ramanujam St				Yes	
132	4	48	Soolaiappan Street				Yes	
133	5	49	Kappal polu street				Yes	
134	5	49	Dhandavarajan St			Yes		
135	5	49	Venkatachalam street				Yes	
136	5	50	S.N.Chetty street				Yes	
137	5	51	Ramanjagam St				Yes	
138	5	53	Kathbada main road				Yes	
139	5	53	Nagappa nagar				Yes	
140	5	53	Kannan roundana				Yes	
141	5	53	Srinivasapuram				Yes	
142	5	53	Bojaraja nagar				Yes	
143	5	53	Pensioners lane				Yes	
144	5	53	P.P.Amman koil 1st street				Yes	
145	5	53	P.P.Amman koil 2nd street				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
146	5	53	P.P.Amman koil 3rd street				Yes	
147	5	53	P.P.Amman koil 4th street				Yes	
148	5	53	P.P.Amman koil 5th street				Yes	
149	5	53	P.P.Amman koil 6th street				Yes	
150	5	53	P.P.Amman koil 7th street				Yes	
151	5	53	P.P.Amman koil 8th street				Yes	
152	5	53	Ramdoss nagar				Yes	
153	5	53	Kathivakkam high road				Yes	
154	5	53	N.N.Nagar 6th street				Yes	
155	5	53	New Labour Lane				Yes	
156	5	53	Kadpada St				Yes	
157	5	53	Stanley 6th Street				Yes	
158	5	55	Prakasam Salai				Yes	
159	5	57	Raman road				Yes	
160	5	57	Adhiyappa street				Yes	
161	5	58	Veppery high road				Yes	
162	5	58	Alagappa road				Yes	
163	5	58	Jothi venkatachalam street				Yes	
164	5	58	General colins road				Yes	
165	5	58	Vetinary hospital				Yes	
166	5	59	Wallaja road				Yes	
167	5	59	Ellis road				Yes	
168	5	60	Sembu Doss Street				Yes	
169	5	60	Moor Street				Yes	
170	5	60	Thacker Street				Yes	
171	5	61	Egmore Musium				Yes	
172	5	61	Ayya swamy street				Yes	
173	5	61	Velyutham street				Yes	
174	5	61	Thiruvenkadam street				Yes	
175	5	61	Gengu reddy street				Yes	
176	5	61	Arumuthu garden				Yes	
177	5	61	Thambu reddy street				Yes	
178	5	62	Pumping station road				Yes	
179	5	63	Pillayar Kovil St				Yes	
180	5	63	Velayutham street				Yes	
181	5	63	Chella Pillaiyar Koil St				Yes	
182	5	63	Goyathoppu				Yes	
183	5	63	Adhithanar salai				Yes	
184	5	63	Cattle depot				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
185	5	63	Narayana naicken street				Yes	
186	6	64	Perumdeviammal				Yes	
187	6	64	Ashoka Avenue				Yes	
188	6	64	Sivasakthi Nagar				Yes	
189	6	66	Jawahar nagar 1st main road			Yes		
190	6	66	Kumaran Nagar 4th street			Yes		
191	6	66	Jawahara Nagar 70 feet road			Yes		
192	6	66	70 feet Road			Yes		
193	6	66	SRP Colony 8th street				Yes	
194	6	66	SRP Colony 7th street				Yes	
195	6	66	SRP Colony 11th street				Yes	
196	6	67	GKM way street 70 feet road				Yes	
197	6	65	Kasturi Bai Chetty 5th street			Yes		
198	6	76	Angalamman Koil			Yes		
199	6	78	Astapujam Road			Yes		
200	7	80	Backthavachalm Street			Yes		
201	7	80	Prakasam Salai			Yes		
202	7	82	VOC Street				Yes	
203	7	82	Patravakkam service road				Yes	
204	7	82	TNEB Colony 3rd Street				Yes	
205	7	83	NRS Road				Yes	
206	7	86	Manurpet				Yes	
207	7	86	Indra Street			Yes		
208	7	86	Ethiraj street			Yes		
209	7	90	Golden Jubliee flats			Yes		
210	8	94	North Mada Street				Yes	
211	8	94	Sidco Nagar 4th Main Road				Yes	
212	8	94	Baba Nagar			Yes		
213	8	94	North Jaganathan Nagar			Yes		
214	8	94	Valliammal Nagar			Yes		
215	8	95	Moorthy Nagar				Yes	
216	8	95	Thirumalai Nagar North				Yes	
217	8	95	Thirumalai Nagar South				Yes	
218	8	95	Thirumalai Nagar East				Yes	
219	8	98	V.P Colony				Yes	
220	8	98	Parthasarathy Street				Yes	
221	8	96	Duraiswamy Street				Yes	
222	8	96	Gandhi Nagar				Yes	
223	8	97	Chakravathi nagar				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
224	8	97	Muthuamman nagar				Yes	
225	8	97	Periyar Salai				Yes	
226	8	97	P.E Koil North Mada street				Yes	
227	8	100	Radha Krishnan Nagar				Yes	
228	8	101	BoganVilla Park Inside				Yes	
229	8	102	G Block 10th Street				Yes	
230	8	102	RV Nagar 4th Street				Yes	
231	8	102	D Block 8th Street				Yes	
232	8	102	Shenoy Nagar 4th Cross street				Yes	
233	8	104	Thideer Nagar				Yes	
234	8	105	Indira Gandhi street			Yes		
235	8	105	Water tank road			Yes		
236	8	105	Ashoka Street				Yes	
237	8	107	Gurusamy Bridge				Yes	
238	8	107	MMC School				Yes	
239	8	108	Periyar pathai				Yes	
240	8	108	Annaswamy Street				Yes	
241	8	108	NGO Colony				Yes	
242	8	108	Vinobaji Street				Yes	
243	9	110	School Road				Yes	
244	9	110	Kamdar Nagar 1st Street				Yes	
245	9	110	40 Feet Scheme Road				Yes	
246	9	111	Gopalapuram Play Ground				Yes	
247	9	112	Vellalar Street				Yes	
248	9	112	Sivan Koil Cross Street				Yes	
249	9	113	Habibullah Road				Yes	
250	9	113	Sarathy Street				Yes	
251	9	113	North Ushman Road				Yes	
252	9	113	Sivasailam Street				Yes	
253	9	114	Lock Nagar				Yes	
254	9	116	Beach Service Road				Yes	
255	9	116	Dr.Besant Road				Yes	
256	9	117	Dr.Sadasivam Road				Yes	
257	9	117	Arulambal Street				Yes	
258	9	117	Thilak Street				Yes	
259	9	117	Thilak Street Extn				Yes	
260	9	117	Rajan Street			Yes		
261	9	117	Sarangabani Street				Yes	
262	9	117	Thirumoorthi Street				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
263	9	117	Lakshmi Colony				Yes	
264	9	117	Giri Road				Yes	
265	9	117	Giriappa Road				Yes	
266	9	117	Dr.Thomas Road				Yes	
267	9	117	G.N Chetty Road		Yes			
268	9	117	Sarathy Street				Yes	
269	9	117	Sivasilam Street				Yes	
270	9	117	Valmiki Street				Yes	
271	9	118	Venkat Rathinam Salai				Yes	
272	9	118	Kasthuri Estate 2nd Street				Yes	
273	9	119	Saiva Muthai 6th Street				Yes	
274	9	120	Dr.Natesan Road				Yes	
275	9	121	Marina Service Road				Yes	
276	9	121	Ganesapuram Rettai Kozhai				Yes	
277	9	121	Avvai Shanmugam Salai				Yes	
278	9	122	K.B Dasan Road				Yes	
279	9	122	Seethammal Colony 4th Cross Street			Yes		
280	9	122	Seethammal Colony 3rd Cross Street			Yes		
281	9	122	Crescent Street				Yes	
282	9	122	Ganesapuram			Yes		
283	9	123	Seethammal Colony			Yes		
284	9	123	CP Ramasamy Road				Yes	
285	9	122	Chamiers Road				Yes	
286	9	123	Thiruvalluvar Street				Yes	
287	9	123	Ramalinga Eswarar Koil				Yes	
288	9	123	Nageswarao Park				Yes	
289	9	123	Rangan Lane				Yes	
290	9	124	VC Garden 1st Street				Yes	
291	9	124	VC Garden 2nd Street			Yes		
292	9	124	Rakkiyappa Street				Yes	
293	9	126	Devanathan Street				Yes	
294	9	126	Srinivasan Street				Yes	
295	9	126	Chockalingam Street				Yes	
296	9	126	Thiruvengadam Street				Yes	
297	9	126	Vinayagam Street				Yes	
298	9	126	Chandrasekaran Street				Yes	
299	9	126	Sivaraman Street				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
300	9	126	Pattammal Street				Yes	
301	10	128	Krishna Nagar 3rd Street			Yes		
302	10	128	Saratha Nagar			Yes		
303	10	128	Lambert Nagar				Yes	
304	10	128	Annai sathya Nagar				Yes	
305	10	128	Vembuki amman koil st		Yes			
306	10	128	Pillayar koil st				Yes	
307	10	128	East Vaniyar St.				Yes	
308	10	128	Tharachand Nagar				Yes	
309	10	131	Ramaswamy Salai			Yes		
310	10	131	Raja Mannar Salai			Yes		
311	10	134	Parankusampuram				Yes	
312	10	133	Subramaniyam Street				Yes	
313	10	132	18th Avenue				Yes	
314	10	132	16th Avenue				Yes	
315	10	132	19th Avenue				Yes	
316	10	132	47th Avenue				Yes	
317	10	132	48th Avenue				Yes	
318	10	132	9th Avenue				Yes	
319	10	132	Kamaraj Salai				Yes	
320	10	132	Natesan Salai				Yes	
321	10	132	Kannappar Salai				Yes	
322	10	135	Postal Colony 4th Street				Yes	
323	10	135	Mahadevan Street				Yes	
324	10	135	Murthy Street				Yes	
325	10	135	Brindavan Street				Yes	
326	10	135	Rajaji Street				Yes	
327	10	135	Lake view road				Yes	
328	10	135	Thambaih Road				Yes	
329	10	135	Ramakrishna Puram				Yes	
330	10	135	Lakshmi Street				Yes	
331	10	135	Babu Rajendra Prasath Road				Yes	
332	10	135	Postal Colony 2nd Street				Yes	
333	10	136	Bazullah Road				Yes	
334	10	138	K.K.Nagar ESI Hospital				Yes	
335	10	139	Ragava Reddy Colony 4th St & 1st Cross St Junction				Yes	
336	10	141	Kamaraj Colony				Yes	
337	10	141	South Dhadabai St				Yes	
338	11	143	Goodwil Road Govt School				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
339	11	143	Pada Salai				Yes	
340	11	143	Phase 1 Nagar 13th Cross street				Yes	
341	11	143	Gajalakshmi nagar 3rd street				Yes	
342	11	144	P.H. Road				Yes	
343	11	144	Bharathiyar Street				Yes	
344	11	144	T.N.H.B Sector II				Yes	
345	11	147	Alapakkam Main Road Near Burial Ground				Yes	
346	11	147	Ganesh Nagar				Yes	
347	11	147	Valli street				Yes	
348	11	147	Chokkanathan Nagar				Yes	
349	11	148	Kamarajar High Road Thangalkarai				Yes	
350	11	148	Anbu Nagar 10th street				Yes	
351	11	149	Saravanabhavan Nagar				Yes	
352	11	152	Thiruvalluvar Salai			Yes		
353	11	152	S.V.S Annex				Yes	
354	11	152	Kadambadi Amman Koil st				Yes	
355	11	150	Arcot Road (Mahalakshmi Nagar)				Yes	
356	11	151	Arcot Road Near A1 Mutton Stall				Yes	
357	11	151	Chenna Porur Bajanai kovil street				Yes	
358	11	153	Ambal Nagar Mullai Street				Yes	
359	11	154	Kurinji Nagr				Yes	
360	11	155	Karpagambal 2nd Street				Yes	
361	11	155	Thirumalai Nagar Angel Street				Yes	
362	11	155	Royal Nagar I main Road				Yes	
363	11	155	Royal Nagar II main Road				Yes	
364	11	155	Tamil Nagar				Yes	
365	12	156	MCS Nagar				Yes	
366	12	156	Santhosh Nagar Extn.				Yes	
367	12	156	Kaveri Street				Yes	
368	12	156	Gowri street				Yes	
369	12	156	VGN Lakshimi Nagar Main Road				Yes	
370	12	156	AGR Garden				Yes	
371	12	156	Thiruvalluvar Nagar				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
372	12	156	Arumugam Street				Yes	
373	12	156	VGN Royal Court			Yes		
374	12	157	Dharmarajapuram				Yes	
375	12	160	Lawyer Jaganadhan street				Yes	
376	12	160	Madhvapuram(East,West,South,North)				Yes	
377	12	161	Sanjay Gandhi Nagar				Yes	
378	12	161	Jeevan Nagar 2nd Street				Yes	
379	12	162	Kannan Colony				Yes	
380	12	163	shanthi nagar 5th street				Yes	
381	12	163	shanthi nagar 7th street				Yes	
382	12	164	Nanganallur 21st street				Yes	
383	12	165	Bharathidasan Nagar				Yes	
384	12	165	Vallalar Street				Yes	
385	12	167	East main road				Yes	
386	13	170	Samy nathan Street				Yes	
387	13	170	Dhanakotti Street				Yes	
388	13	171	Gandhi mandapam Road				Yes	
389	13	171	Sardar Patel Road				Yes	
390	13	173	Srinivasapuram				Yes	
391	13	173	Dharmampal Park				Yes	
392	13	174	Cart Track Road				Yes	
393	13	174	Ranganathan Street				Yes	
394	13	174	Five Furlong road				Yes	
395	13	175	Dhanalakshmi Avenue				Yes	
396	13	175	Nehru Nagar 1st main road				Yes	
397	13	175	Anna Avenue				Yes	
398	13	175	KB Nagar 3rd Cross street jn of 2nd main road				Yes	
399	13	175	KB Nagar 3rd main Road				Yes	
400	13	175	Dr Muthulakshmi Salai				Yes	
401	13	176	Parameshwari nagar 2nd Street				Yes	
402	13	176	Sastri Nagar 1st Avenue				Yes	
403	13	176	Karpagam Garden 1st link road				Yes	
404	13	176	Karpagam Garden 2nd link road				Yes	
405	13	177	Lakshmi Nagar 3rd Cross St		Yes			
406	13	177	Srinagar Colony				Yes	
407	13	177	Brindhavan nagar 3rd Extn				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
408	13	177	TNHB 3rd Avenue				Yes	
409	13	177	Nethaji Road				Yes	
410	13	177	Ambedkar nagar				Yes	
411	13	177	AGS Colony				Yes	
412	13	177	Bhashiyam Layout				Yes	
413	13	177	Venkateshwara Nagar 2nd cross street				Yes	
414	13	178	Kalki Nagar		Yes			
415	13	178	Srinivasapuram			Yes		
416	13	178	ACS Colony			Yes		
417	13	178	Orandiamman Avenue		Yes			
418	13	179	Dhandeeshwaram 7th main road				Yes	
419	13	179	Udayam Nagar				Yes	
420	13	180	Anjukammal street		Yes			
421	13	180	Ramasamy Street		Yes			
422	13	180	Kennedy Street		Yes			
423	13	180	Raniammal Street		Yes			
424	13	181	Arundal Beach				Yes	
425	13	181	Kalachetra main road				Yes	
426	13	181	Valmiki Street				Yes	
427	13	181	East Kamarajar 2nd St				Yes	
428	13	181	East Kamarajar 3rd St				Yes	
429	13	181	Dr.Radhakrishinan road				Yes	
430	13	182	Kannapper Nagar				Yes	
431	13	182	Kamarajar Nagar				Yes	
432	13	182	Journalist Colony				Yes	
433	13	182	Ganesh Nagar				Yes	
434	14	168	Epr Nagar				Yes	
435	14	168	Thilagar street				Yes	
436	14	168	Lakshmi Nagar 5th Street				Yes	
437	14	168	Sai ram street				Yes	
438	14	169	Ram nagar 1st to 8th Street			Yes		
439	14	169	Ram nagar 11th street				Yes	
440	14	169	Maheshwari Avenue				Yes	
441	14	169	Jaya Nagar				Yes	
442	14	169	Sundarrajan Salai				Yes	
443	14	169	Arivoli street				Yes	
444	14	169	Sivasubramaniyam Salai				Yes	
445	14	169	Annaitheresa Nagar				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
446	14	169	Vallal Athiyaman Street				Yes	
447	14	169	Vallal Kari Street				Yes	
448	14	169	Vallal Pari Street				Yes	
449	14	169	J K Salai				Yes	
450	14	169	Brindhavan Salai				Yes	
451	14	169	Sadhasivam Nagar				Yes	
452	14	169	Thirunana Sambandhar Street				Yes	
453	14	169	Sivaprakasam nagar				Yes	
454	14	183	Lakshmana Perumal 4th street		Yes			
455	14	183	Lakshmana Perumal 5th street		Yes			
456	14	183	Judges colony				Yes	
457	14	183	Baywatch road			Yes		
458	14	183	Nehru nagar 10th, 12th & 14th Street				Yes	
459	14	183	Jaganathan Street		Yes			
460	14	183	Kaveri Nagar 5th Street				Yes	
461	14	183	Kaveri Nagar 6th Street				Yes	
462	14	183	Kaveri Nagar Main Road				Yes	
463	14	184	Ramappa nagar				Yes	
464	14	184	Telephone nagar 11th street				Yes	
465	14	185	Jayshankar Nagar				Yes	
466	14	185	Kandasamy Nagar 4th St				Yes	
467	14	185	Govindhan Nagar				Yes	
468	14	185	Palkalai Nagar				Yes	
469	14	185	Mayana Salai				Yes	
470	14	185	VGP 2nd cross street				Yes	
471	14	185	Boss Avenue				Yes	
472	14	185	Kandhasamy Nagar 7th street				Yes	
473	14	185	Anna Salai 2nd cross street				Yes	
474	14	186	Senthil Nagar				Yes	
475	14	186	Rathna mani nagar				Yes	
476	14	186	Kamaraj nagar				Yes	
477	14	186	Kumaran Nagar				Yes	
478	14	186	Maruthi Nagar Main Road				Yes	
479	14	187	Karthikeyapuram 12th street				Yes	
480	14	187	Karthikeyapuram 7th street				Yes	
481	14	188	Anna Nagar west 7th street				Yes	
482	14	188	Anna Nagar west 8th street				Yes	
483	14	188	Thirumurugan street				Yes	
484	14	188	Ram nagar 6th main road				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
485	14	188	Ram nagar 5th & 7th Street				Yes	
486	14	188	Arumugam Nagar				Yes	
487	14	188	Kuberan Nagar 8th & 9th Street			Yes		
488	14	188	Kuberan Nagar 11th Street			Yes		
489	14	188	Kamarajar Street				Yes	
490	14	188	Krishnaveni Ammal Nagar				Yes	
491	14	188	Sadhasivam Nagar 3rd Main Road				Yes	
492	14	188	Sadhasivam Nagar 3rd Cross Street				Yes	
493	14	188	Mahalakshmi nagar main road				Yes	
494	14	188	Mylai kabaleeswarar nagar 2nd street				Yes	
495	14	188	Veeramani street				Yes	
496	14	188	Perumal Street				Yes	
497	14	189	Sathyamurthy Colony				Yes	
498	14	189	Meenachipuram 1st street				Yes	
499	14	189	Vimala Nagar				Yes	
500	14	189	Varadharajan Nagar				Yes	
501	14	189	Sengazhani amman koil street			Yes		
502	14	190	Chettinadu Enclave			Yes		
503	14	190	Chittibabu 4th Cross Street				Yes	
504	14	190	Chittibabu 8th Cross Street				Yes	
505	14	190	Veerasamy Nagar				Yes	
506	14	190	Sree Nagar				Yes	
507	14	190	Pasumpon Nagar				Yes	
508	14	190	Pandiyan Nagar				Yes	
509	14	190	Sai Balaji Nagar				Yes	
510	14	191	Jaladan Pettai 3rd main road				Yes	
511	14	191	Jayachandran nagar 3rd main road				Yes	
512	14	191	Jaganathapuram main road				Yes	
513	15	192	CLRI 3rd Cross street			Yes		
514	15	192	CLRI 2nd Main road				Yes	
515	15	192	Ruby complex				Yes	
516	15	192	Kabaleeshwarar Nagar 5th Cross street				Yes	
517	15	192	Chinna Neelangarai Kuppam				Yes	
518	15	192	Madha Kovil street				Yes	
519	15	193	MCN Nagar				Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
520	15	193	Sri Sai Nagar				Yes	
521	15	193	Ellaimman Nagar				Yes	
522	15	194	Raju Nagar 1st Street				Yes	
523	15	194	Raju Nagar 2nd Street				Yes	
524	15	194	Srividhya Avenue				Yes	
525	15	194	Eswaran Street				Yes	
526	15	195	Kannagi Nagar 19th Cross street				Yes	
527	15	196	Barathi Avenue				Yes	
528	15	196	Ashok Street Bharat Avenue				Yes	
529	15	196	Royal Enclave				Yes	
530	15	196	Anna Eclave				Yes	
531	15	196	Vettuvankeni 2nd Avenue, 2nd Main Road				Yes	
532	15	196	ISCKON Temple				Yes	
533	15	196	Hanuman Colony				Yes	
534	15	196	Raja Nagar 1st Cross Street				Yes	
535	15	196	Royal Enclave Extension				Yes	
536	15	196	Vettuvankeni 2nd Avenue, 7th street				Yes	
537	15	197	Ganesh Nagar				Yes	
538	15	197	Annai Fathima Child Welfare				Yes	
539	15	197	Karapakkam Service Road				Yes	
540	15	197	DevaraJ Nagar				Yes	
541	15	198	Semmozhi Nagar			Yes		
542	15	198	Copper Beach				Yes	
543	15	198	Village High Road				Yes	
544	15	198	Sea Cliff High Road			Yes		
545	15	198	Seashell Avenue			Yes		
546	15	199	MG Jeevarathinam Street				Yes	
547	15	199	Mazhavarayar Street				Yes	
548	15	199	Neelathirai Street				Yes	
549	15	199	Rajaji Street				Yes	
550	15	199	vallalar Street				Yes	
551	15	199	Karlmark Street				Yes	
552	15	199	Juhu Beach Road				Yes	
553	15	199	Gangai Amman Colony				Yes	
554	15	199	MGR St				Yes	

NORTHEASTMONSOON-2022

Sl. No	Zone	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet	TOTAL
1	I	0	0	0	1	1
2	II	0	1	4	1	6
3	III	0	0	0	0	0
4	IV	0	0	0	0	0
5	V	0	0	0	0	0
6	VI	0	0	2	0	2
7	VII	0	0	1	15	16
8	VIII	0	0	1	9	10
9	IX	0	0	0	0	0
10	X	0	0	0	0	0
11	XI	0	0	0	0	0
12	XII	0	0	0	0	0
13	XIII	0	0	0	0	0
14	XIV	0	0	0	0	0
15	XV	0	0	0	2	2
Total		0	1	8	28	37

Depth of Inundation During Monsoon -2022								
Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
1	1	4	Jothi nagar 10th Street	-	-		Yes	
2	7	80	Vairakulam street	-	-		Yes	
3	7	80	Thirumalai priya nagar 16th street	-	-		Yes	
4	7	83	Highways nagar	-	-		Yes	
5	7	83	Ganesh Nagar	-	-		Yes	
6	7	84	North Avenue Road	-	-		Yes	
7	7	84	TNHB 61st Street	-	-		Yes	
8	7	84	Periyar Nagar	-	-		Yes	
9	7	84	Central Avenue Road	-	-		Yes	
10	7	84	TNHB 26st Street	-	-		Yes	
11	7	84	Bajanaikovil Street Pattaravak-kam	-	-		Yes	
12	7	84	Duraisamy street	-	-		Yes	
13	7	85	Pattravakkam Road	-	-		Yes	
14	7	88	Kurinji Street	-	-		Yes	
15	7	90	Chennai Flats, Padikuppam Road	-	-		Yes	
16	8	94	North Jeganathan Nagar	-	-		Yes	
17	8	94	North Jeganathan Nagar Annex	-	-		Yes	
18	8	97	Bharathi Nagar	-	-		Yes	
19	8	98	V P Colony	-	-		Yes	
20	8	98	Police Manickkam Street	-	-		Yes	
21	8	98	Parthasarthy Street	-	-		Yes	

Sl.No	Zone	Ward	Location	Very High Vulnerability Above 5 feet	High Vulnerability 3 to 5 feet	Medium Vulnerability 2 to 3 feet	Low Vulnerability less than 2 feet	Vulnerability Status
22	15	194	Royal Enclave	-	-		Yes	
23	15	194	Classic Enclave	-	-		Yes	
24	2	19	Kamarajar Nagar, Chinnasamy Nagar	-	-		Yes	
25	7	82	KAILASAM STREET	-	-		Yes	
26	7	82	BALAVINAYAGAR STREET	-	-		Yes	
27	8	97	Periyar Salai	-	-		Yes	
28	8	97	Battachari Street	-	-		Yes	
29	2	15	Edayanchavadi 1st cross street	-	-	Yes		
30	2	18	Kalaignar Nagar	-	-	Yes		
31	2	18	Harikrishnapuram Amman Nagar	-	-	Yes		
32	2	19	Kavithendral Kalyana Sundaram Nagar (Vacant Land)	-	-	Yes		
33	6	65	Sivasakthi nagar	-	-	Yes		
34	6	73	Stephenson Road	-	-	Yes		
35	7	82	Pillaiyar Koil 1st Street	-	-	Yes		
36	8	97	Muthamman Nagar	-	-	Yes		
37	2	19	Balasubramani Nagar	-	Yes	-		

Vulnerable Locations During Monsoon-2023						
Sl.No.	ZONE	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet	Total
1	I	0	0	2	0	2
2	II	0	0	1	1	2
3	III	0	0	0	2	2
4	IV	0	0	0	3	3
5	V	0	0	0	2	2
6	VI	0	1	2	1	4
7	VII	0	0	0	0	NIL
8	VIII	0	0	0	0	NIL
9	IX	0	1	1	1	3
10	X	0	0	0	1	1
11	XI	0	0	1	5	6
12	XII	0	0	1	2	3
13	XIII	0	1	1	1	3
14	XIV	0	0	2	0	2
15	XV	0	1	1	0	2
TOTAL						35

INUNDATION LOCATIONS 2023 - North East Monsoon			
Sl.NO	**ZONE**	**Division**	**LOCATIONS**
1	1	7	Vetri vinayagar nagar
2	1	7	Kargil nagar
3	2	15	Edyanchawadi
4	2	15	Old Napalayam new colony
5	3	25	CMDA Truck Terminal
6	3	30	Elizabeth Nagar
7	4	35	Muthamizh Nagar
8	4	40	AE Koil St
9	4	37	MKB Nagar
10	5	53	Bojaraja Nagar
11	5	57	Chinna Thambi Street
12	6	66	Thanikachalam nagar
13	6	68	70feet road
14	6	77	Market Street
15	6	76	Angalamman Koil Street
16	9	119	Musuri Subramaniyam Salai
17	9	119	Muthahaiya Garden street
18	9	121	PS Sivasamy Salai
19	10	129	Kumaran Colony
20	11	143	Pada Salai Street
21	11	145	Thangal Karai
23	11	152	Ambathkar Nagar
24	11	151	Porur Junction
25	11	155	Thiruvalluvar Salai
26	11	150	Thundalam Tiva Nagar
26	12	156	Sindhu Salai
27	12	156	VGN Lakshmi Nagar
28	12	157	CRR Puram
29	13	175	City Link Road
30	13	175	TNHB 3 rd Avenue
31	13	176	Eb Colony
32	14	181	Swaminathan Nagar
33	14	182	Maruthi Nagar
34	15	193	Pandiyan Nagar
35	15	199	Classic Farm

NORTHEASTMONSOON-2024

Abstract Of Vulnerable During Monsoon-2024

Sl.No.	Zone	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet	TOTAL
1	I	0	0	0	7	7
2	II	0	3	1	1	5
3	III	0	0	1	7	8
4	IV	0	0	7	2	9
5	V	0	0	0	4	4
6	VI	0	0	12	0	12
7	VII	0	0	2	0	2
8	VIII	0	0	9	1	10
9	IX	0	0	7	0	7
10	X	0	0	1	0	1
11	XI	0	0	1	1	2
12	XII	0	0	0	1	1
13	XIII	0	0	2	2	4
14	XIV	0	0	6	5	11
15	XV	0	0	1	3	4
TOTAL						87

VULNERABLE LOCATIONS – 2024

Sl.No.	Zone	Dn. No.	Locations	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
1	1	2	Thilagar Nagar				Yes
2	1	3	AnnaiSivagami Nagar				Yes
3	1	7	Anna Nagar				Yes
4	1	7	Periyar Nagar				Yes
5	1	12	Railway culvert - 36, Srinivasapuram				Yes
6	1	7	VettriVinayagar Nagar				Yes
7	1	4	Mettu Street				Yes
8	2	15	ChinnaEchankuzhi		Yes		
9	2	18	Sabapathy Street				Yes
10	2	19	Srinivasan Nagar		Yes		
11	2	21	TPP Salai			Yes	
12	2	19	Chinnasamy street		Yes		
13	3	17	Vadaperumbakkam (300 m highway)			Yes	
14	3	23	Gurushanthi Nagar				Yes
15	3	23	MRH Road				Yes
16	3	23	Vegetarian Village				Yes
17	3	24	Balaji Nagar				Yes
18	3	28	AnnaiSathya Nagar				Yes
19	3	28	T.V.K Street				Yes
20	3	32	Lakshmiamman Nagar				Yes
21	4	37	Mullai Nagar			Yes	
22	4	41	AnnaiSathya Nagar			Yes	
23	4	41	MGR Nagar			Yes	
24	4	41	Nehru Nagar			Yes	

Sl.No.	Zone	Dn. No.	Locations	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
25	4	44	Kasthuribai street				Yes
26	4	45	AA Road			Yes	
27	4	45	BB Road			Yes	
28	4	45	Ganesapuram subway			Yes	
29	4	46	Bala Krishna street				Yes
30	5	53	Mint modern city				Yes
31	5	52	KannanRoundana				Yes
32	5	50	South Madha street				Yes
33	5	61	Ayyasami Street				Yes
34	6	64	Vivekandhanan Nagar			Yes	
35	6	65	Kanagi Nagar			Yes	
36	6	67 & 70	Paper mills Road			Yes	
37	6	67	PallavanSalai			Yes	
38	6	69	Sivagami Street			Yes	
39	6	71	Perambur subway			Yes	
40	6	71	Ganesapuram subway			Yes	
41	6	72	Kannigapuram joseph Street &Kannigapuram 1to 7th street Doss Nagar 1 to 8 th Street			Yes	
42	6	73	Decastor Road			Yes	
43	6	73	Stephenson Road			Yes	
44	6	76	AngamalanKoil street			Yes	
45	6	76, 77 & 78	PeramburBaracks road, KM Garden, Thattangulam, Rajathottam, Astabujam street, Rangaiahstreet,V. VKoilStreet,Tana Street			Yes	
46	7	84	North Avenue Canal			Yes	

Sl.No.	Zone	Dn. No.	Locations	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
47	7	84	TNHB 25th Street			Yes	
48	8	95	AmbedkarSalai Near LC1 Bridge			Yes	
49	8	99	Purasaiwakkam High Road & Millers Road			Yes	
50	8	99	Thideer Nagar				Yes
51	8	105	100 Feet Road Near Arumbakkam Metro Station			Yes	
52	8	102	Anna Nagar (S block, Q Block, 3rd ,5th and 6th Avenue)			Yes	
53	8	103	2nd Avenue			Yes	
54	8	105	Ashoka Street, Kannagi Street			Yes	
55	8	105	Water Tank Road, Razack Garden Road, E-Block MMDA Colony			Yes	
56	8	106	Muvendar Nagar, Nehru street			Yes	
57	8	106	100 feet Road TamilarVeedhi, MMDA Colony main road, Kamala Nehru Nagar, Indra Gandhi Street			Yes	
58	9	113	North Ushman Road (In and around)			Yes	
59	9	113	Valluvarkottam high Road			Yes	
60	9	115	Dr.Besant Road			Yes	
61	9	118	Stella Maris : Venus Colony 1st Street , Venus Colny 2nd Street, KasthuriRangan Road and SrimanSrinivasan Road			Yes	

Sl.No.	Zone	Dn. No.	Locations	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
62	9	121	P.S.SivaswamySalai, Indraniammal Street, Nagarathinammal Colony			Yes	
63	9	121	Rangaiah Garden, Royapettah High Road, Brinthavanam Street and Balakrishnan Street			Yes	
64	9	122	Chamiers Road			Yes	
65	10	130	100 Feet road, Vadapalani Near Namma veedu vasantha Bhavan			Yes	
66	11	143	VAO Office Nolambur			Yes	
67	11	143	Sriram Nagar Nolmbur				Yes
68	12	165	Saraswathi Nagar				Yes
69	13	179	Kamaraj Nagar 3rd street				Yes
70	13	178	CSIR Ascenders office				Yes
71	13	176	AGS Colony and Kalki Nagar			Yes	
72	13	172 & 178	Places abutting huge catchment areas like furlong road of MRC, IIT and Rajbhavan abutting area			Yes	
73	14	183	Mayanasalai			Yes	
74	14	184	Kamarajarnagar 1st main road				Yes
75	14	188	Govindan 1st street				Yes
76	14	188	Rajaji Nagar 3rd cross street			Yes	
77	14	188	Guberannagarextn, 7th street			Yes	
78	14	189	Perumal Nagar			Yes	
79	14	189	Kamarajar Street			Yes	

Sl.No.	Zone	Dn. No.	Locations	Very high vulnerability Above 5 feet	High vulnerability 3 to 5 feet	Medium vulnerability 2 to 3 feet	Low vulnerability Less than 2 feet
80	14	182	WTC				Yes
81	14	182	Kanthanchavadi junction of MGR Salai				Yes
82	14	189	Kamakshi Nagar, Pallikaranai				Yes
83	14	182	OMR stretch			Yes	
84	15	194	Royal Enclave			Yes	
85	15	193	Thoraipakkam BSR mall because of CMRL work				Yes
86	15	193	Vembuliamman Street				Yes
87	15	193	Thoraipakkam				Yes

4.2.1 Scene During Flood 2015

All the residential areas including encroached areas along with water bodies were totally marooned for more than 10 days.

280 boats and choppers were used for rescuing people and supplied relief materials to the low lying areas such as Kargil Nagar, Manali, Madhavaram, Villivakkam, Kolathur, Tondiarpet, Mambalam, K.K.Nagar, Jafferkhanpet, Ashok Pillar, Ekkatuthangal, Guindy Industrial Estate, Defence colony, Ramapuram, Sri Nagar colony, Saidapet, Valasaravakkam , Manapakkam, Kotturpuram,Madhya kailash, Velachery, Pallikaranai, Thiruvanmiyur, Neelangarai, Perungudi, Madipakkam, Ram Nagar, Karapakkam, Sholinganallur, etc.,

Some of the areas were also experienced road “CAVE-INS” at Sardar Patel Road near Madhya Kailash, P.S.Sivasamy Salai, T.T.K Road, Rajaji Salai, VIth Avenue in Anna Nagar, Anna Salai in Teynampet, Dr. Nair Road in T. Nagar, Devanathan Road in Mylapore.







Velachery flooded area



Chennai Flood Relief Army Force



Pump set deployed in subways



Affected public shifted through Boats



Fire Service vehicle



Medicine Distribution

The mobile communication network was down/off in various parts of Chennai. Major inter city and inter state roads were cutoff during flood and severely affected the public movement. The city was totally cut off from other cities due to disconnection of roads, city was severely affected and the supply of basic commodities like vegetables, milk and bread etc., were stopped. The train services were stopped and the operation of airport was closed was more than a week. Due to failure of continuous power supply in Chennai city, it was difficult to rescue the people at night time.

4.2.1.1 Government Response

Due to the severity of rain and excess flow of water in the rivers and canals, the Government has appointed 15 senior level IAS officers as Monitoring Officers one for each zone. These officers headed relief and rehabilitation works in each zone in a planned and systematic manner. The involvement of these officers was very effective because of their co-ordination with various head of departments for speedy execution of relief works.

4.2.1.2 Mitigation

Flood water inundation was cleared by using 470 Pumpsets, 82 JCB and Poclains, 49 Fire Service machines and 75 super suckers of CMWSSB.In addition 6 heavy duty pumps having capacity of 250 HP each were supplied by Confederation of Indian Industry (CII), New Delhi and 4 from Neyveli Lignite Corporation Ltd. (NLC) were used in heavily inundated areas. In flooded/marooned areas 280 boats and choppers were used for rescuing people and supplying relief materials to the low lying areas.






JCB
JCB
NDRF
NDRF

About 176 relief centres were opened in Chennai city by GCC and more than 1.2 lakhs individuals were sheltered in these relief centres for more than 20 days. Necessary relief materials like mat, bed sheets and food materials were supplied promptly. In addition to this, donors and NGO's themselves distributed food and relief materials to the affected people in pockets. Apart from inhouse kitchens in some relief centers, food was also prepared and distributed from Amma Canteen and from all four common kitchens of Greater Chennai Corporation.



Sheltered in relief center



Distribution of food

4.2.1.3 Centralised Relief Material Center

A centralised Relief Material Distribution Center for Chennai, Thiruvallur, Kanchepuram and Cudalore was opened at Jawaharlal Nehru Indoor Stadium for prompt and speedy distribution of relief materials to flood affected people.

The relief materials were received from the Districts Collectors, Co-operative Societies, Aavin, MTC and Southern Railways, Indian Navy, various Public Sector Undertakings, Indian Military, NDRF, NSS and NGOs includes 1,99,244 General food packets, 32,992 Mats, 2,07,433 Bed sheets, 12,500 liters of Milk, 54,448 Water Bottles, 2,122 Rice Bags, 10,390 Dress Material Packs, 3,004 Medicine Boxes and 2,38,568 liter of water totalling 1577.65 tonnes over a period of 15 days.







More than 250 MT of bleaching powder for sanitation of the flood affected areas was received from Government and NGO's. Supply of bleaching powder was very much useful to clean the sumps, over head tanks etc., to control infections and diseases out break. The NGO's and volunteers have not only contributed for door to door distribution of relief materials but also for applying bleaching powder in the flood affected areas. The services of residential welfare associations were also fully utilised to spread the bleaching powder in their areas.

All these relief materials were sorted out and packed for each families at Nehru Indoor Stadium by the volunteers. These sorted materials were taken to the affected areas and distributed door to door. This was done with the help of NGO's, volunteers, GCC staff, Police, Army, NDRF, SDRF, Homeguards, NCC and NSS. The distribution of relief materials including perishable items like fruits and vegetables were distibuted to victims without delay and wastages are to be appreciated.

4.2.1.4 Distribution of relief materials and role of NGOs / Volunteers

Previous day the GCC was informed to be ready to receive and distribution of huge quantity of relief materials from various agencies. GCC's entire team was already preoccupied in doing relief works in the field. So GCC decided to appeal to NGO's and volunteers to assist GCC for disbursing relief materials. Over night GCC sent messages through various social medias, radio channels for NGO's and volunteers services.







It was surprise to see more than 1,000 volunteer/NGO's turned out on the next day at Nehru Indoor Stadium. It is very interesting to mention some foreigners, school children and families with the kids were whole heartedly participated in the operation. Many of them took much risk to travel to Nehru Stadium with restricted road accessibility. Initially we had problem to arrange food for volunteers. In the first two days they managed with biscuits., snacks came along with relief materials. Later GCC was able to arrange food for them. Nearly around 4,000 volunteers and NGO's turned up and played key role for smooth distribution of relief materials at door step. After flood relief work GCC has sent appreciation letter to all the Volunteers/NGO's through e-mail.

4.2.1.5 Clearing of Garbage

Greater Chennai Corporation owns 115 HMV Lorries, 122 LMV Lorries, 15 HMV Tipper, 29 LMV Tipper, 21 Front end loaders for Garbage removal and 80 HMV lorries, 45 Bobcats for debris removal, for clearing the city. GCC's average daily collection of garbage is between 4,500 MT and 5,000 MT.

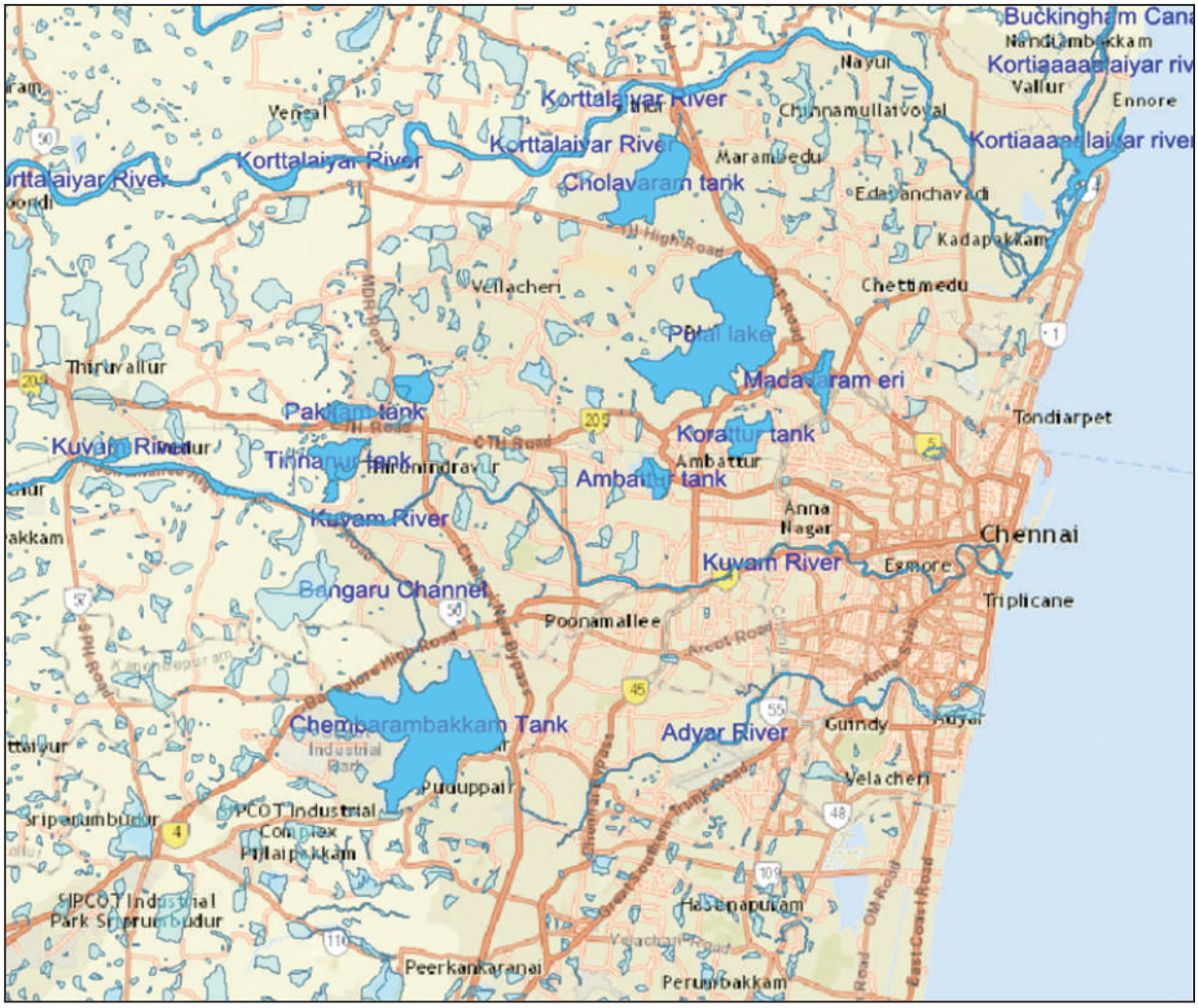
The biggest challenge to GCC after receding flood water was to remove the garbage with sludges from the roads and streets. And every day the residents were throwing huge quantity of damaged house hold articles/debris on roads/streets. The GCC could not handle the situation with its own conservancy labours due to less strength and continuous restless work. To come out of the situation 16,111 sanitary workers and labours with 675 lorries and 100 JCB were mobilized from other local bodies. Necessary safety gears like gumboots, masks, gloves, raincoats were given to all the sanitary workers. GCC has arranged accommodation and food for sanitary workers who have come from outside city.

The entire team along with 2,500 labours of GCC were deployed for cleaning the debris throughout the city on war foot manner. It is worth to mention that between 7.12.2015 and 2.01.2016 GCC has cleared 2.2 Lakhs MT of garbage/ debris at 8,148 MT per day.

4.2.2 Causes of Flood

Chennai is the only drainage basin for all the water bodies located in 2 adjoining districts around Chennai. Over the years, the water bodies have shrunk due to various reasons in Chennai Metropolitan Areas. Furthermore, rapid urbanization and industrialization has led to large scale encroachment in the water bodies.

The old map of 1909 which shows the locations of several water bodies, comparing this with recent map is a clear evident that many water bodies have shrunk and several have completely disappeared.



The City of Chennai in 1981.

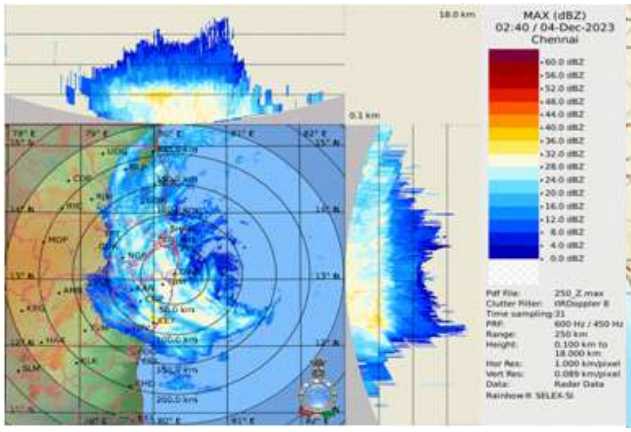
Chennai has experienced many floods during the last three decades. The reasons for flood in the city shall be narrowed down as follows

1. Plain terrain of Chennai with an average altitude of 7m height.
2. Sand bar formation at the mouths of rivers, which slow down the discharge rate.
3. Clogging of the drains due to indiscriminate dumping of solid waste and construction debris.
4. Inadequate design capacity of Stormwater drain in Highways and other roads.
5. Lack of continuous connectivity of Stormwater drainages with macro drainage and absence of Stormwater drain network in added areas.
6. Encroachments.
7. Influence of high and low tide.
8. Flow of excess surplus water than the designed carrying capacity into minor water bodies through the tanks in upstream.
9. Construction of less number of cross culverts/vents with inadequate sizes wherever the road is passing across the water flow.

4.3 "MICHAUNG" CYCLONE IN 2023

The cyclonic storm MICHAUNG over Bay of Bengal moved very close to Chennai before Landing Andhra Pradesh Coast caused continuous rainfall for 24 hrs with wind speed of about 80kmph. In Chennai City experienced extremely heavy rainfall.

In Perungudi, Velachery, Shozinganallur, Kodambakkam, Valasaravakkam, Thiru.vi.kaNagar recorded historically highest rainfall. (78 cm, 47cm etc., respectively)





4.3.1 Scene during Flood













4.4 FENGAL CYCLONE 2024

4.4.1 Introduction :

The North East Monsoon commenced in mid-October 2024, resulting in significant rainfall and widespread flooding in Chennai city. As of 2nd December 2024, Chennai recorded a cumulative rainfall of 702.45 mm, with an average of 10.90 cm of rainfall between 30th November and 1st December 2024. During this period, 342 locations across the city were inundated, with the worst-affected areas being Kolathur, Purasawalkkam, Mambalam, Royapuram, Korukkupettai, Thiruvotriyur Kargil Nagar, Madipakkam, Pulianthope, and Semmancherry.

4.4.2 Response Measures:

In response to the waterlogging and inundation, the Greater Chennai Corporation (GCC) mobilized significant resources to mitigate the effects and provide relief to affected residents. The following measures were implemented:

4.4.3 Motor Pumps Deployed:

A total of 1,686 motor pumps were deployed, including 113 high-capacity 100 HP pumps and 466 tractor-mounted pumps, to remove excess water from the affected areas.

4.4. 4 Heavy Machinery:

489 machines, including hydraulic tree cutters and ladders, were put into service to address infrastructural damage and assist in flood relief operations.

4.4. 5 Relief Centers:

The GCC established 66 relief centers, equipped with food, drinking water, electricity, and sanitation facilities, to accommodate 7,400 displaced individuals.

4.4. 6 Food Packets Distributed:

During the Fengal cyclone, a total of 12, 06,937 no’s of food packets were distributed in relief centers and vulnerable low-lying areas.

4.4.7 REMOVAL OF FALLEN TREES

- Two vehicle mounted power saws, 264 Petrol run portable power saws and 8 electrical power saws are kept ready at Zonal level.
- A night duty team will be kept ready at each zone for immediate removal of fallen trees
- 18 mobile high mast lights will be kept ready for night works

22000 nos. of trees were pruned for monsoon preparedness.

5.0 EARTHQUAKES AND TSUNAMIS

Chennai City has its boundaries facing the Bay of Bengal thereby susceptible to various natural disturbances like floods, cyclone, sea surge, and tsunami, among others. The city has also been classified as moderately susceptible to earthquakes.

Chennai is not seismically as active as compared with the northern and western parts of the country. Small to moderate earthquakes have occurred in the state of Tamil Nadu. The frequency of earthquakes is low i.e. the gap between moderate sized events is fairly long and therefore, this plan concentrates more on floods and cyclones.

However, an earthquake in the Indian Ocean occurred on 26 December 2004 with the epicentre off the west coast of Sumatra, Indonesia. The shock had a moment magnitude of 9.1–9.3 and a maximum Mercalli intensity. The undersea megathrust earthquake was caused when the Indian Plate was subducted by the Burma Plate and triggered a series of devastating tsunami waves along the coasts bordering the Indian Ocean. Inundated coastal communities with waves up to 30 metres (100 ft) high affected 25 kuppams in 4 coastal revenue villages affected 73,000 people, 30,000 people evacuated, 206 human loss, 9 injured and damaged 17,000 houses and other properties in Chennai city.

5.1 Earthquake

Earthquake is a sudden and violent shaking of ground causing great destruction as a result of movement of earth's crust. An earthquake has the potential to tsunami or volcanic eruption.

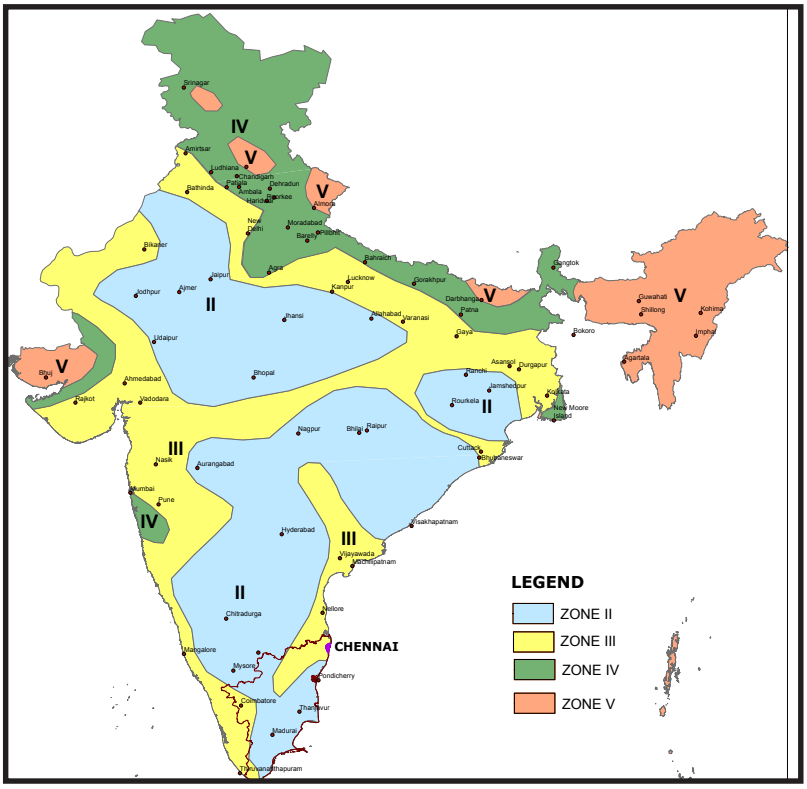
Chennai has not witnessed a serious earthquake so far although Chennai lies in high-risk seismic zone III as per Bureau of Indian Standards 1893 criteria for earthquake resistant design of structures IS 1893(Part 1) :2002 . The biggest earth quake 5.2 magnitude earthquake has occurred 15 years ago at 14:56 September 25, 2001 UTC with Epicenter at 11.956, 80.214 at 39.2 km from Marakkanam (24.2 miles) with close proximity to Chennai and 4.6 magnitude earthquake has occurred 29 years ago at 18:15 December 03, 1987 UTC with Epicenter at 15.525, 80.246 21.2 km from Ongole (13.2 miles). Mild tremors were felt in some part of the cities in 2012, 2015.

The probability of an earthquake can be roughly estimated, there is no accepted method at present to predict the time and intensity of earthquake. The

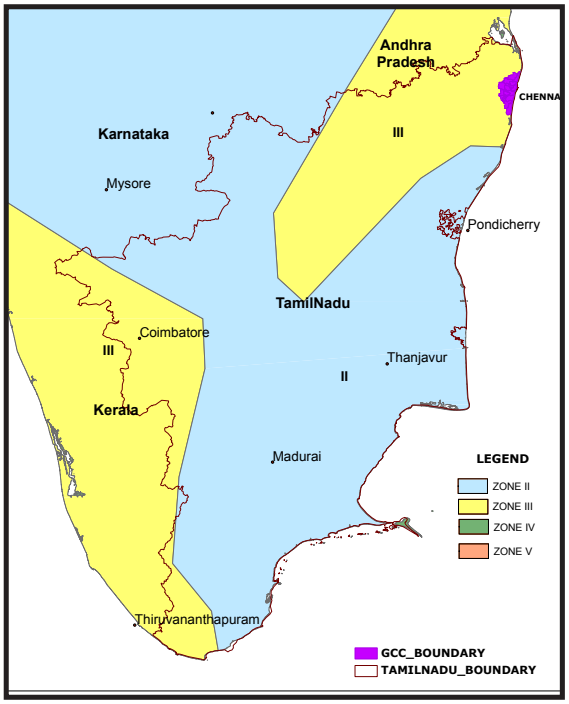
following table illustrates the maximum intensity expected in different seismic zones and probable impact.

Seismic zone	Magnitude	Probable max. intensity	Probable Impact
II	Below 4.5	VI	Felt by all many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight
III	4.5 - 5.5	VII	Damage negligible in buildings of good design and Construction; slight to moderate in well built ordinary structures; Considerable damage in poorly built or badly designed structures; same chimneys broken.
IV	5.5 - 6	VIII	Damage slight in specially designed structures; Considerable damage in ordinary substantial building with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stocks, columns monuments, walls, Heavy furniture overturned
V	6 or Higher	IX or Higher	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial building, with partial collapse. Buildings shifted off foundations.
Maximum intensity Expected in Different seismic Zones			

Seismic Zones in India



Seismic Zones in Tamilnadu



5.1.1 Impact of Earthquake

Earthquakes results in primary, secondary and tertiary impacts.

Primary impacts include surface vibration, surface rupture and displacement along the fault plane, total or partial damage and collapse of buildings, dams, tunnels, pipelines and other rigid structures.

Secondary impacts of earthquake include liquefaction, landslides, fire, tsunami and floods, regional subsidence or emergence of landmass, change in course of river, changes in ground water level, etc. Most of the deaths by earthquake are caused mainly due to building collapse, falling debris, broken glass panes. Earthquakes also lead to minor and severe injuries, loss of limbs, etc. Apart from these, earthquake impacts routine services due to the damage caused to lifeline buildings, roads, railway tracks, bridges, highways, disruption of traffic, large amount of debris, disruption of water supply and electricity, etc.

Tertiary impact of earthquake includes Post Trauma Stress Disorder (PTSD), long term psychological issues, loss of livelihood, disruption of social capital due to relocation related issues, etc.

5.1.2 Earthquake Mitigation Strategies

- Existing critical facilities built on reclaimed land should be inspected and retrofitted if necessary to ensure earthquake resistance.
- Future critical facilities should not be located on reclaimed land because of the high potential for liquefaction.

- Older unreinforced masonry buildings should be inspected and retrofitted if necessary to increase earthquake resistance.
- Older unreinforced masonry buildings should not be used for critical functions.
- Ensuring all the Government building & GCC buildings are constructed as per IS 1893(Part 1) : 2002.
- Motivating public to construct building as per IS 1893(Part 1) : 2002.

5.1.3 Earthquake preparedness measures

- Organise camps in school, colleges and public for awareness of do-s and do n'ts for earthquakes.
- Ensure preparation of disaster management plans and first aid kits in all schools, colleges and all offices.
- Identify safe schools and colleges which can be used as relief shelters for short duration of time in aftermath of any earthquake.
- Ensure that all critical life saving equipment are maintained and ready to use.
- Ensure that open and safe places in the corporation area, vacant land like roads, parks & play grounds for mass evacuation are identified.
- Ensure that safe buildings in the corporation area are identified for purpose of relief camps in post disaster.
- Develop plan for hospital preparedness and mass casualty management.
- Prepare a database of registered private hospitals, clinics, diagnostic labs, blood banks, etc. along with their capacities and facilities provided.
- Ensure availability of adequate supply of life saving equipments and drugs, portable supplies like portable oxygen cylinders, portable x-ray machines, triage tags, etc.
- Prepare for quick deployment of rescue teams including volunteers for providing safety to affected population and evacuated structures/ houses.

5.1.4 Assembly Points

Open and safe places in the corporation for mass evacuation during disaster are identified as vacant land like parks, playgrounds and roads. The location of parks is mentioned in each zone shall be utilized as buffer zone during disasters and the list of playgrounds which will also serve as assembly points during earth quake is given below.

Zone	Ward	Name/Location of Play Ground
1	10	Poonthottam School play ground
2	15	Manali New Town, Eday-anchavadi Chennai Primary School
2	16	Manali TNHB Phase - 2, Sadayankuppam
2	16	Burma Nagar
2	17	Kathakuzhi Near Perumal Koil Street
2	17	Chettimedu
2	19	Chinna samy Nagar, Periya mathur
2	19	MMDA 4th Main Cross Street
2	20	Periya thoppu
2	21	Ambedkar Playground
3	27	ASSISI Nagar 10th Street
3	28	Krishna Nagar Play Ground, Periyasekkadu
3	29	Chandramman Koil Street, Chinnasekkadu
3	30	Thiruvalluvar 2nd St
3	23	Thanthai Sivaraj Foot Ball Ground EMS Street
4	36	Sharma Nagar 9th street
4	36	Sharma Nagar Ist main road
4	36	16th West Cross Street MKB Nagar
4	36	18th West Cross street MKB nagar
4	36	Vasugi nagar
4	37	3rd Crsoss street, MKB nagr
4	37	4th Cross Street, MKB Nagar
4	37	Central Avenue road
4	37	East avenue road
4	37	18th Central cross street
4	37	KKD Nagar7th Block
4	37	Srinivasan Street
4	37	SM nagar
4	40	Chelliamman Koil Street
4	46	Kalyanapuram Ground
4	46	Sathyamoorthy naagr main road
4	48	Kanni Koil street
5	52	Cementry Road Near Metro Water Office Area-5
5	52	OSH Road, Royapuram, Near Stanly Hospital
5	55	Barracks 1st Lane Near Stanly Hospital
5	58	Thirunarayanaguru salai
5	61	Vengu street
5	61	Sami (R) Puram - Ran-gachari park
6	64	V.V Nagar
6	64	TNHB Play Ground
6	66	Ram Nagar 2nd Main Road
6	66	Jawahar Nagar 2nd Circular Road
6	66	Jawahar Nagar 2nd Cross Street
6	67	Rangasayee Street
6	67	Parthasarathy Play Ground
6	67	Loco Scheme 2nd Street
6	68	Thiru-Vi-Ka Nagar
6	68	Madurai Samy Madam
6	72	Kannigapuram
6	72	VOC Nagar
6	72	Kasthuri Bai Colony
6	74	Barackka Road
6	74	AK Samy Nagar 1st Street
6	74	Reddy Colony
6	74	SVM Nagar
6	76	KM Garden 1st Street
6	77	Sundarapuram
6	77	Old Slaughter House
7	84	Korattur TNHB 2nd street
7	89	Officers colony main Road, Anna nagar West extension
7	91	Mogapair Eri Scheme 1st main road , Ambedkar nagar
8	94	North Jaganathan Nagar 3rd Street

Zone	Ward	Name/Location of Play Ground
8	94	Rajamangalam 2nd Main Road Chennai Primary School
8	94	Redhills Road 4th Street Chennai Primary School
8	94	Baba Nagar 3rd Cross Street
8	95	I-Block 7th Street, Vallalar Kudiyuruppu
8	95	I-Block 28th Street, Kambar Kudiyuruppu
8	95	I-Block 18th Street, Thiru-valuvar Kudiyuruppu
8	95	I-Block, 34th Street, Iswarya Colony
8	95	Mullai Nagar 6th street
8	95	Vasantham Colony Ist Street
8	95	Vasantham Colony 2nd Street
8	95	Agathiyar Nagar N-Block 3rd Street
8	95	Agathiyar Nagar O-Block 9th Street
8	95	Agthiyar Nagar O-Block 12th Street
8	95	Thirumangalam Road, Pus-phanjali Appartments
8	95	Thendral Colony 2nd Street
8	96	K.K. Nagar 10th Street
8	97	Solai Street
8	97	Vellala Street
8	97	Pachaikal veeraswamy Street
8	98	Dr. Ambetkar 2nd Street
8	98	Solai Amman Koil Street
8	98	Aspiran Garden 1st Street
8	98	Lockma Nagar Main Street Chennai Primary School
8	99	J-Block 10th Street
8	99	H-Block 14th Street
8	99	H-Block 16th Street, Brinley Garden
8	99	A.F.-Block Ist Street
8	99	N.V.N. Nagar 6th street Junction of 8th Street
8	99	N.V.N. Nagar 14th street
8	99	Temple Colony 15th Main Road
8	99	Kathiravan Colony Main road
8	99	Appu Colony, Ponni Colony Main Road
8	99	Thiriveni Flat Belli Area
8	99	Sangam Apartments Belly Area
8	99	G-Block 2nd Street, Forest Department
8	100	AE-Block Play Ground
8	100	AL-Block Play Ground 3rd & 4th Street
8	100	7th Main Road Near Foot bridge at HIG Flats
8	101	VI Cross Street
8	101	Cresent Play Ground
8	101	N-Block 24th Street
8	101	O-Block
8	101	K-Block Tennis Court
8	102	L-Block
8	102	1st Cross Street, East
8	102	Shenoy Nagar Park and Play Ground
8	102	Big Street Childrens Play Ground
8	102	Canal Road Children Play Ground
8	102	V.S.Puram
8	105	E-Block, M.M.D.A.Colony, Arumbakkam
8	105	D-Block, M.M.D.A.Colony, Arumbakkam
8	105	Kalki Nagar Main Road, Arumbakkam
8	106	Rajaram Metha Nagar
8	106	Collectrate Colony Main Road

Zone	Ward	Name/Location of Play Ground
8	107	Mayor Sathyamurthy Salai
8	107	Mayor Ramanathan Salai
8	107	Brindavanam 1st Street
8	108	R-Block, Elango Street, M.M.D.A.Colony, Arumbak-kam
8	108	P-Block MMDA Colony, Arumbakkam
9	109	Gil Nagar
9	110	Lake area IV cross street, Nungambakkam Village
9	111	Conron Smith Road, Go-palapuram Play Ground
9	111	Greams Road
9	111	Model School Road, 1000 light Play ground
9	112	Varadarajanpet Main Road
9	112	Ganga nagar
9	112	Puliyur 1st Main Road
9	112	Trustpuram 10th Cross Street
9	115	Mirza Hyder Ali Khan Street, Childrens Play Ground
9	117	Ramakamathupuram Play Field O &Q Block
9	117	Ramakamathupuram Play Field R &T Block
9	120	lloyeds Colony, Childrens Park
9	120	Nadukuppam, Childrens Park
9	121	Kamarajar Salai, Scating ground
9	121	Thiruveethiamman Koil Street
9	122	Turnbulls Road
9	122	Nandanam Play Ground
9	122	S.M.Nagar, Near A Block
9	123	Pallakumaniyam
9	123	St.Mary's road
9	124	Ramakrishnapuram

Zone	Ward	Name/Location of Play Ground
9	125	14, Papa Nasam Sivan Salai
9	125	Rosary Church Street
9	126	4th Trust Link Street
9	126	South Canal bank Road
10	132	9th Avenue , Ashok nagar
10	132	6th Avenue , Ashok nagar
10	132	14TH SECTOR, 102 STREET
10	133	Ashok Nagar 17Th Street Play Gorund
10	134	Corporation Colony 1St Main Road Play Ground
10	135	Bakthavatchalam Street Play Ground
10	136	Venkat narayana road
10	136	Somasundharam play ground
10	137	10th Sector Play Ground
10	138	Parinagar Kannagi Street
10	138	Thiru Nagar VOC Street
10	138	Thiru Nagar Ganaolivu Street
10	138	Thirunagar Valluvar Street
10	138	Bharathidasan Colony Main Road
10	138	Bharathidasan Colony 4th Street
10	138	VM Balakrishnan Street
10	138	Annai Sathiya Nagar
10	139	Ragava reddi colony
10	140	Palmore Street
10	141	CIT Nagar 4 th Main Road
10	142	Godhamedhu
11	144	MMDA Colony 6th Block
11	144	MMDA Colony 7th Block
11	147	Alappakkam Main Road, Thanthai Periyar
11	149	Ramakrishna Nagar
11	149	Palaniappa Nagar
11	151	Lakshmi nagar 5th cross street

Zone	Ward	Name/Location of Play Ground
11	151	Lakshmi nagar Extn. 4th Main Road
11	152	Veerappa nagar 2nd Street
11	152	Bharathi colony
11	152	Kadamban Street
11	152	Sairam avenue, Hospital Road
11	152	Chowdry Nagar Main Road
11	150	Rajeswari Nagar 2nd cross street
13	171	Subbupillai thottam
13	171	Venkatapuram
13	172	Lake view road
13	172	Kottur garden II cross street
13	172	Kotturpuram II main road
13	172	Kotturpuram III main road
13	172	Kottur garden IV main road
13	172	Ambadi road
13	173	Kamaraj salai
13	173	Kamaraj salai
13	173	Kamaraj salai
13	173	D.G.S. Dhinakaran salai
13	173	Karpagam avenue IV street
13	173	Karpagam avenue IV street – indoor stadium
13	174	Annagarden, end of IIT gate
13	174	Velachery main road, opposite to kannigapuram
13	175	Kottur canal bank road
13	175	Venkatarathinam nagar
13	175	Induira nagar VIII cross street
13	175	Thiruvengadam street
13	175	Indira nagar XI lane
13	176	Sastri nagar XI cross street
13	176	Besant nagar XXI cross street
13	176	Besant nagar XXXII street
13	176	Besant nagar IV main road
13	176	SBI Colony
13	177	Mahalakshmi nagar I main road
13	177	L.H.nagar III cross street
13	177	Sastri nagar IV cross street
13	177	Ramakrishna nagar I main road, Erikarai road
13	177	Indra Gandhi nagar IIIstreet
13	177	Telephone colony II main road
13	177	Kakkan nagar II cross street
13	177	Shawwalace colony II street
13	177	Andal nagar II main road
13	177	New NGO colony, II main road
13	177	Dr.Ambedkar nagar I main road
13	178	Ram nagar north extn. I street
13	178	Ram nagar VII main road
13	178	Padmavathy nagar extn. main road
13	178	Ram nagar I street
13	178	Bhel sakthi nagar main road
13	178	A.G.S. Colony VI main road
13	178	Jaganathapuram I main road
13	178	AGS colony V cross street
13	179	Seethapathy nagar IIIcross street
13	179	Tansi nagar VI street
13	179	Baby nagar II main road
13	179	Seetharam nagar I street
13	179	Pillayar koil street, Annai Indra nagar
13	179	Sachidanantha nagar, Sanjay garden
13	179	SPIC Nagar
13	179	Shanthi I cross street
13	179	VGP selva nagar I main road
13	179	Bethal avenue
13	179	Ramagiri nagar II street
13	179	VGP selva nagar, Bethel avenue main road

Zone	Ward	Name/Location of Play Ground
13	180	Nehru street, Kanagam
13	181	Lakshmi puram, Muthulakshmi salai
13	181	Rukmani street, Kalakshetra main road
13	181	Vaigai Street
13	181	Thirumurugan II Street
13	181	Thirumurugan III Street
13	181	C.G.E Colony
13	181	Besant Nagar XXIX Cross Street
13	182	Thiruvalluvar Nagar VII Cross Street
13	182	Thiruvalluvar Nagar 44th Cross Street
13	182	Thiruvalluvar Nagar VI Main Road
13	182	Thiruvalluvar Nagar VII Main Road
13	182	Valmigi Nagar 69th Street
13	182	Valmigi Nagar Extn., IV Seaward Road
13	182	Kurunji Appartments
14	169	Balaji Nagar 24th street
14	169	Sheela Nagar 1st street
14	183	AGS Colony, Beach
14	183	Jaganathan Street
14	183	A.G.S. Colony, ECR 2nd street
14	187	Sendhuran Colony 3rd Street
14	189	Kamakotti Nagar 5th Street, Junction of 4th Street
14	189	V.G.P Shanthi Nagar Santhosh Street
14	189	Kamakoti Nagar 6th cross street, North side
14	189	Kamakoti Nagar 6th cross street, South side
14	189	Kamakoti Nagar 9th cross street, South side
14	190	Kovalan street
14	191	Gandhi Street, Jalladianpet
14	191	Pallavan nagar

5.2 Tsunami

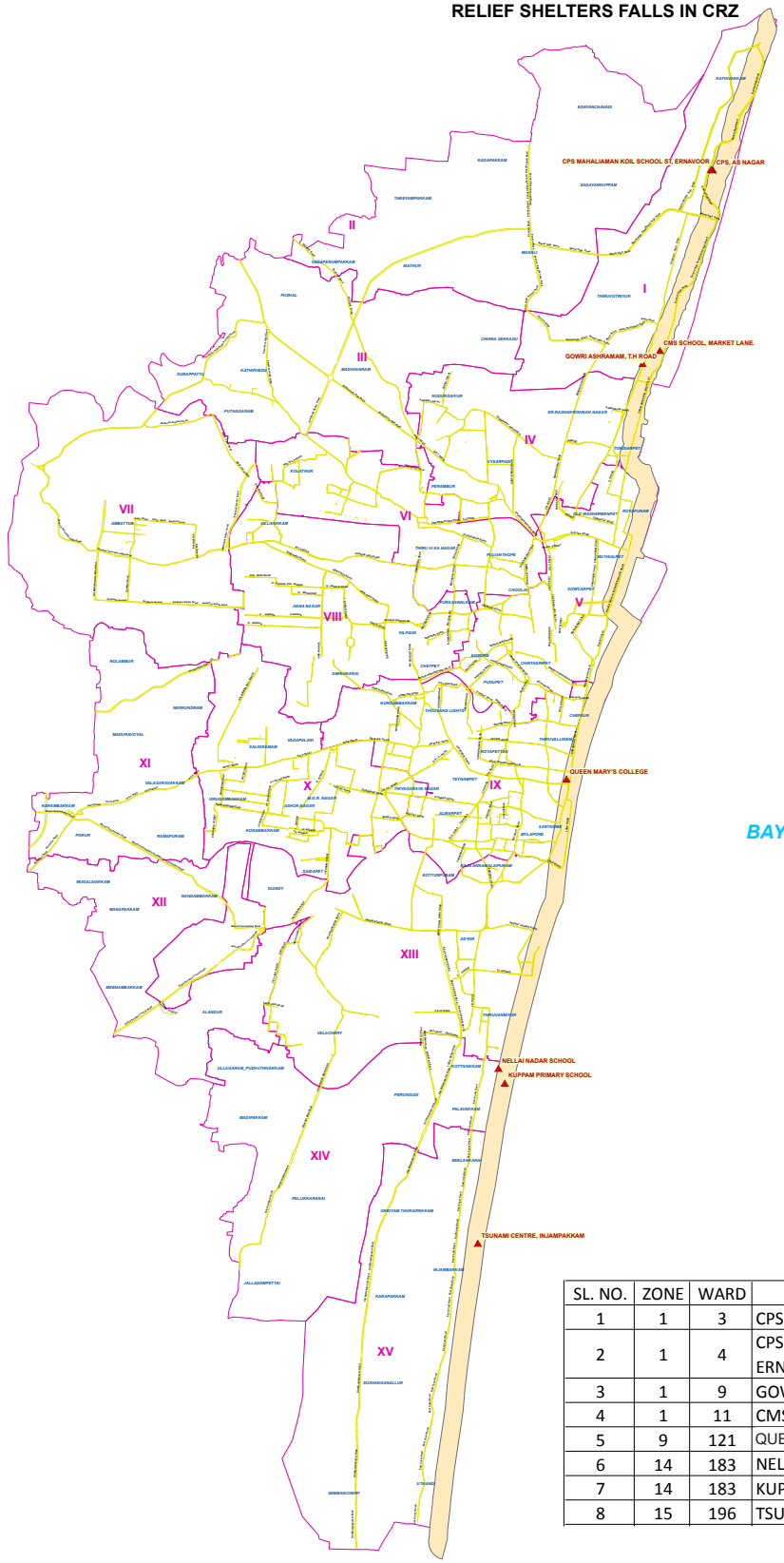
Tsunami is a giant waves, initiated by a sudden change, usually in relative position of underwater tectonic plates or in other words a tsunami is a series of waves with a long wavelength and period (time between crests) and time between crests of the wave can vary from a few minutes to over an hour. The sudden jerk is enough to propagate the wave; however, its power can be enhanced and fed by lunar positioning and boundaries that focus its energy.

5.2.1 Tsunami in Bay of Bengal

The Indian coastal belt has not recorded many severe tsunamis in the past. Waves accompanying earthquake activity have been reported over the North Bay of Bengal. During an earthquake in 1881 which had its epicenter near the Andamans in the Bay of Bengal, tsunamis were reported. The earthquake of 1941 in Bay of Bengal caused some damage in Andaman region. This was unusual

GREATER CHENNAI CORPORATION

RELIEF SHELTERS FALLS IN CRZ



BAY OF BENGAL

SL. NO.	ZONE	WARD	NAME OF THE RELIEF SHELTER
1	1	3	CPS, AS NAGAR
2	1	4	CPS MAHALIAMAN KOIL SCHOOL ST, ERNAVOOR
3	1	9	GOWRI ASHRAMAM, T.H ROAD
4	1	11	CMS SCHOOL, MARKET LANE.
5	9	121	QUEEN MARY'S COLLEGE
6	14	183	NELLAI NADAR SCHOOL
7	14	183	KUPPAM PRIMARY SCHOOL
8	15	196	TSUNAMI CENTRE, INJAMPAKKAM

▲ RELIEF SHELTER CRZ ZONE BOUNDARY

because most Tsunamis are generated by shocks which occur at or near the flanks of continental slopes. During the earthquakes of 1819 and 1845 near the Rann of Kutch, there were rapid movements of water into the sea. There is no mention of waves resulting from these earthquakes along the coast adjacent to the Arabian sea, and it is unlikely that Tsunamis were generated.

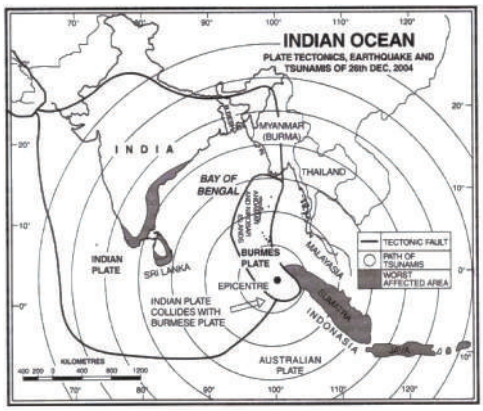
A list showing the Tsunami that affected Indian coast in the past is given in Table. The information given in the Table for the first three events is sketchy and authenticity cannot be confirmed except the Tsunami of 26th December 2004. Above facts indicate the coastal region of Gujarat is vulnerable to Tsunamis from great earthquakes in Mekran coast. Earthquake of magnitude 7 or more may be dangerous. It may be noted that all earthquake do not generate Tsunami.

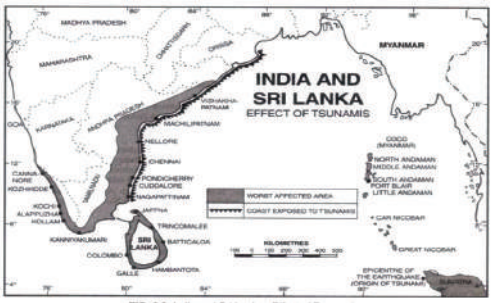
5.2.2 Tsunami Hits in India

S.No	Year	Affected area / locations
1	April 12, 1762	1762 Eq. in the Bay of Bengal generated tsunami wave of 1.8 m in coastal Bangladesh
2	August 19, 1868	Earthquake Mw 7.5 in the Bay of Bengal. Tsunami wave run-up level at Port Blair, Andaman Island 4.0 m
3	December 31, 1881	Earthquake of magnitude Ms 7.9 in the Bay of Bengal, reported tsunami run-up level of 0.76m at Car Nicobar, 0.3m at Dublat , 0.3 m at Nagapattinam and 1.22 m at Port Blair in Andaman Island
4	1883	Karakatau, volcanic explosion in Indonessia. 1.5 m tsunami at Chennai, 0.6 m at Nagapattinam.
5	1884	Earthquake in the western part of the Bay of Bengal. Tsnamis at Port Blair & mouth of Hoogly River
6	June 26, 1941	Earthquake of magnitude MW 8.1 in the Andaman Sea at 12.90 N,92.5o E. Tsunamis on the east coast of India with amplitudes from 0.75 to 1.25 m. Some damage from East Coast was reported.
7	November 27, 1945	Mekran Earthquake (Magnitude Ms 8.3). 12 to 15 M wave height in Ormara, 13 m at Pasni, and 1.37 m at Karachi (Pakistan) . In Gulf off Cambay of Gujarat wave heights of 11.0 m was estimated, and 2 m at Mumbai, where boats were taken away from their moorings
8	December 26, 2004	An earthquake of rear Magnitude (MW9.3) generated giant tsunami waves in North Indian Ocean. Tsunmai made extensive damage to many coastal areas of Indonesia, India, Malaysia, Maldives, Srilanka and Thailand. A trans-oceanic tsunami, observed over areas beyond the Ocean limit of origin. More than 2,00,000 people lost their lives in above countries which is a record.

5.2.3 Tsunami in Chennai

Earthquake of magnitude 9.2 on the Richter's scale in 2004 in Indonesia is the second largest earthquake ever recorded which caused tsunamis which are considered to be the most catastrophic in the living memory of the inhabitants of the coastal areas of India. This earthquake had its epicenter off the coast of Sumatra in Indonesia at 3.5° north latitude and 95° east longitude.





This place happens to be at the tri-junction of the Indian, Australian and Burmese (Myanmarese) plates. Tsunami attack coastal areas of mainland of India including Tamil Nadu, Andhra Pradesh and Kerala after travelling more than 2,000 km in a short span of about three hours. Of these three states, Tamil Nadu suffered the most. The largest number of deaths was reported from Nagapattinam, Kanniyakumari, Cuddalore and Chennai districts.

The location of relief shelters with in Coastal Regulation Zone in Chennai city are shown in the following map. These relief centres should be avoided to house the tsunami victims.

5.2.4 Tsunami preparedness measures

- Organise camps in schools, colleges and public for awareness of do-s and don't s for earthquakes.
- Ensure availability of disaster management plans and first aid kits in all schools, colleges and public buildings.
- Identify safe schools and colleges located atleast 500 m away from High Tide Level which can be used as relief shelters.
- Ensure that all critical life saving equipment are maintained and ready to use.

- The open places alike parks, playgrounds may be identified for assembling the people.
- Ensure that safe buildings in the corporation area are identified for purpose of relief camps.
- Develop plan for hospital preparedness and mass casualty management.
- Prepare a database of registered private hospitals, clinics, diagnostic labs, blood banks, etc. along with their capacities and facilities provided.
- Ensure availability of adequate supply of life saving equipments and drugs, portable supplies like portable oxygen cylinders, portable x-ray machines, triage tags, etc.
- Prepare for quick deployment of home guards, relief teams and volunteers for providing safety to affected population and evacuated structures/ houses.

Greater Chennai Corporation is increasingly taking a proactive approach to deal with disaster risk reduction. Based on the State Disaster Management Perspective Plan 2018-2030, and in addition to the measures highlighted in chapters of this document, GCC is outlining its priorities and actions moving forward which will be modified/updated annually.

6.0 UNDERSTANDING DISASTER RISK

"*Disaster risk management needs to be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment*"

- Sendai Framework for Disaster Risk Reduction 2015-2030

Understanding disaster risk is the first priority of the Sendai Framework. Risk assessment, risk mapping, alert systems and risk communication play a very important role in understanding the risks caused by different disasters. Better understanding of the risks strengthen the efforts of different stake holders to be better prepared to avoid the risks and in cases where avoidance is not feasible, mitigation measures can be targeted with precision to reduce the impacts of the risks as well as enhance the resistance of the community to risks. Greater Chennai Corporation is working to strengthen the capacity of different stakeholders for understanding the risks.

6.1.1 Risk Assessment and Mapping

Risk Assessment and mapping play a very critical role in enhancing preparedness during pre-disaster phase, strengthening response measures during the disaster phase as well as in undertaking preventive and mitigation measures during post disaster phase. The Government of Tamil Nadu aims to strengthen current Risk Assessment efforts with GIS based tools, advanced 3D models generating systems and Big Data analytics along with digital mapping of vulnerable areas as detailed below.

6.1.1.1 Real Time Flood Forecasting and Spatial Decision Support System for Adyar, Cooum, Kosasthalaiyar Rivers and Kovalam Basins

In order to address the recurrent urban floods in Chennai and its peri-urban areas, the Government of Tamil Nadu will be undertaking a study and implement a "Real Time Flood Forecasting and Spatial Decision Support System for Greater Chennai Corporation and the river basin areas of Adyar, Cooum, Kosasthalaiyar Rivers and Kovalam" to forecast flooding and help prepare various stakeholders and government agencies involved in risk reduction as well as prepare the community. The entire basins of Kovalam, Adyar, Cooum and Kosasthalaiyar will be studied

for their hydrology along with street flooding patterns in urban local bodies such as GCC, Tambaram, Pallavaram, Sembakkam, Pammal, Anakaputur, Poonamallee, Avadi, Ambattur, Thiruvallur and Thirverkadu Municipalities.

Real-time Telemetry / GPRS network of stations such as Automatic Weather / Automatic Rain Gauge stations, Online lake inflow and outflow meters, River flow level meters will be installed in the entire basin areas of Cooum (489.32 Sq.km), Adyar (1162.46 Sq.km), Kosasthalaiyar (1949.32 Sq.km) and Kovalam (472.75 Sq.km) etc. The project envisages over 100 Automatic weather station (AWS) / Automatic Rain Gauge (ARG) as per the National Disaster Management guidelines of 1 in every 4.0 sq.km within the Greater Chennai Corporation. The estimated cost for this hardware as well as setting up of Control Rooms will be around Rs.15.00 to 20.00 crores, which is proposed to be funded under World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP). As per the State Disaster Management Perspective Plan, the project will be completed within a period of 30 months.

6.1.1.2 Mapping of Flood Prone River Basins by Unmanned Aerial Vehicle

Tamil Nadu Government in association with Anna University has launched an Unmanned Aerial Vehicle (UAV) for Photogrammetric Mapping of flood affected districts at a cost of Rs. 7.01 crore. UAV will perform efficient surveys for disaster-prone or physically inaccessible areas by providing aerial images and accurate pictures of the water courses in the River Basins. In addition separate studies involving LIDAR systems will generate Digital Evaluation Models of the major rivers of the State Viz., Cauvery, Adyar, Kosasthalaiyar, Cooum and Kovalam. These studies will be carried out by PWD and Greater Chennai Corporation.

The UAV will undertake Aerial Photogrammetric mapping of the river basins in Chennai and adjoining districts along with 0.5km to 1km areas on either side of the main river course and its tributaries and distributaries. River basins in Thiruvallur and GCC include Araniyar, Kosasthalaiyar and its tributaries, and Cooum in Chennai; while in Kancheepuram and GCC the river basins include Adyar, Kovalam in Chennai, Palar and its tributaries in Palar, and Ongur in Varahanadhi.

The study will provide inputs for identifying the location of dams, missing links of canals and ensure possible opportunities for interlinking of watercourses. Using

UAV, the images captured will be pre-processed, stitched and converted into useful maps for the understanding of river basins and watercourses to initiate flood and drought mitigation measures.

6.1.1.3 Storm Surge Model

Chennai has a coastline of 19 KM and it faces lower storm surge heights (around 3m) compares to the southern parts of Tamil Nadu which have faced storm surges exceeding 6m above the current sea level. Storm surges are a major threat to the fishing community damaging their livelihood support.

In order to predict storm surges on real-time basis, the Government of Tamil has proposed to develop Storm Surge and Tsunami Modelling for Tamil Nadu with the help of IIT Madras. The real-time simulation model will identify the areas that are likely to be inundated during the storm surges and provide effective visualization models taking into account IMD forecast so as to strengthen early warning and response systems during the disaster phase and develop mitigation strategies during post-disaster and pre-disaster phases in subsequent years. The storm surge model will also assist in the development of appropriate structures to reduce risks and non-structural measures to avoid the risks, reduce the risks as well as enhance resistance of the community and the state to storm surges.

6.1.1.4 Integrated Coastal Zone Management plan for Tamil Nadu

Integrated Coastal Zone Management (ICZM) is a dynamic, multidisciplinary and iterative process to promote sustainable management of coastal zones. It takes into account the full cycle of information collation, planning, decision making, management and monitoring and evaluation of implementation. ICZM refers to the integration of a wide variety of objectives depending on the stakeholder and also to the integration of the many instruments needed to meet these objectives. The key deliverables for the Government of Tamil Nadu of the project are:

6.1.1.4.1 Land Use Mapping of the Entire Coastal Stretch of Tamil Nadu

The land use features are mapped from the merged product of CARTOSAT - I and RESOURCESAT (IRS P6 LISS IV) data duly supported by ground truth and Cadastral maps (at 1: 5,000 scale) from Survey and Land Records Department

of Government of Tamil Nadu. The land use classification followed the Coastal Land Use classification scheme developed by Space Application Center (SAC), Ahmedabad and Ministry of Environment, Government of India.

6.1.1.4.2 Coastal Vulnerability Mapping

The combination of the wave and storm surge often inundate the coastal zone, especially when the coastal area is low lying. The conditions worsen under tsunami conditions. Wave and hydrodynamic modelling were carried out to arrive at highest water level which may be expected at the various locations along the coastline of Tamil Nadu. The MIKE 21 SW model has been used for wave transformations studies under the fair weather as well as cyclonic conditions. The 30 to 40 years of data will be used to identify 'flood level' and that was superimposed on the digital elevation data of the coast to find out the degree of inundation/ flooding under such adverse condition. Based on these flood levels coastal vulnerability maps are prepared.

6.1.1.5 Tamil Nadu System for Multi-Hazard Potential Impact Assessment and Emergency Response Tracking (TN -SMART)

The Government of Tamil Nadu will put in place a System for Multi-Hazard Potential Impact Assessment and Emergency Response Tracking (SMART). TN SMART is being developed in collaboration with the Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES) an Inter-Governmental Organization registered with the United Nations based in Bangkok. This system will be integrated with the other systems being developed with the help of GIS technology. TN-SMART will offer following services to strengthen risk governance.

- A dynamic risk assessment system to assess the potential impacts of the weather forecast issued by India Meteorology Department.
- An ensemble forecasting platform comprising of forecast products from various global and regional center for reference purposes.
- A robust verification mechanism (metaanalysis) platform to critically evaluate the performance of all the forecast products and forecast based impact scenarios, a "real-time system of evaluating the predictions with reference to the actual situations".

TN-SMART initiative is in line with World Meteorological Organization's Global Framework for Climate Services, i.e. development and application of climate services to assist decision-making for addressing climate-related risks.

Risk assessment and impact assessment components are driven by the forecast and site-specific thresholds derived from the historical records of extreme events and hazards. The tool would capture the risk and the corresponding potential impact. NDEM (National Database for Emergency Management) developed by the National Remote Sensing Center (NRSC) which has inbuilt national level GIS datasets will be integrated with State Data Base for Emergency Management (SDEM) & TN-SMART. TN-SMART will assist in forecast and analysis, risk mapping and assessment, also act as a data management system for managing and processing weather, disaster risks and emergency response resources data for use during the different phases of disasters.

6.1.1.6 GIS Cell

Geographical Information System (GIS) technology is extensively used for generation of pre-monsoon preparedness maps for mitigation and management of floods during northeast monsoon. The maps showing waterbodies, vulnerable locations, evacuation & relief shelters, evacuation area, NDRF Team & Boat locations had been created and published in GCC's Disaster Management Plan.

In addition to the monsoon preparedness maps, the real time inundation maps were created during northeast monsoon in coordination with GCC Control Room which is also available as archives in the web applications.

At present, the GIS Cell of Greater Chennai Corporation has developed an exclusive GIS web portal and mobile application for visualizing the pre-monsoon preparedness related data in addition to maps created for preparing GCC's Disaster Management Plan. The mobile application has the facility to collect the data from the field and the same can be visualised in the map view of web application for better management for officials of GCC. The collected data is being used for data analytic and decision making aspects to aid in solving the disaster related challenges of Chennai city in a smarter way.

The web and mobile application user credentials have been provided to the respective officers of GCC.

6.1.1.7 Data Analytics for Risk Assessment

Big Data Analytics can play a significant role in strengthening management during different phases of the disaster. Data analytics enables real-time data analysis not only to map the most disaster affected areas, but also to uncover hidden patterns, unknown correlations and other vital information to make decisions and issue alerts before disaster onset and thereby help in effective preparedness, risk communication, response, relief& build back better strategies. The descriptive, predictive and prescriptive analytics will be used in multiple ways to handle disaster management more effectively.

6.1.1.8 Leveraging Technology to Enhance the Efficiency of Disaster Risk Management Efforts

Technology will be leveraged as a key to planning sustainable and disaster resilient infrastructure and systems. Satellite based/aerial photogrammetry based GIS system and computer simulation for vulnerability mapping will be the basis for strengthening disaster preparedness and response. State Disaster Response Network, a State wide electronic inventory of specialist and essential resources for disaster response will be established by the Government of Tamil Nadu to strengthen the efforts during preparedness and response.

6.2 Risk Communication

Communicating risks to the community plays a very critical role in minimising the risk of loss of lives and moveable properties. Dissemination of information in time is a major challenge requiring investments in state of the art technologies. Government of Tamil Nadu being committed to minimize loss of lives and damages to public and private properties will strengthen risk communication by embracing new technologies besides strengthening existing technologies as noted below. Greater Chennai Corporation will also advance risk communication.

Currently, aFlood Control Room (District Emergency Operations Centre or DEOC) is setup at Greater Chennai Corporation which is coordinating with the State Emergency Operations Centre (SEOC). New tools for risk assessment will be utilized for generating vital information during pre-disaster and during disaster phases to effectively communicate the risks to community as early as possible. The SEOC and DEOC are equipped with multi communication facilities like VHF,

mobile telephony etc. The Government of Tamil Nadu has provided support to GCC to ensure that operations will be disaster proof by adding wireless communication sets, internet telephony, Ham radios, satellite radio etc., so that communication is uninterrupted even during power outages. In addition, a dedicated Public Relation Officer/Assistant Public Relation Officer will be posted in the Control Room for media management. The Officer will collect data and details of relief operations from the field for press release as detailed earlier.

6.2.1 Early Warning System

Tamil Nadu has made tremendous progress during post Tsunami period in terms of getting real time information on weather events and seismic activities. The State has a well-equipped SEOC that gets information on significant events from various agencies and presently disseminates information through multiple channels to the DEOs which in turn inform to various line departments and first responders and the communities. However limitation of the present system of information is that while gathering of critical information at State level and its dissemination to the districts is very fast, the dissemination from district level to the community in remote location gets delayed due to absence of an integrated information dissemination system. Therefore a State of the Art End-to-End Early Warning System is being implemented in Tamil Nadu.

In addition, the National Centre for Coastal Research and the Government of Tamil Nadu have signed an MoU for the operationalization of theCoastal Flood Warning System for Chennai (CFLOWS-Chennai), which has been developed for Chennai. The Chennai Flood Warning System, a project initiated by the office of the PrincipalScientific Advisor (PSA) was developed as a multi-institutional project involving IIT-Bombay,IIT-Madras, IRS-Anna University, and the Ministry of Earth Sciences institutes IMD, National Centre for Medium Range Weather Forecasting (NCMRWF) and Indian National Centre for Ocean Information Services (INCOIS). It is a WebGIS based decision support system developed for the Greater Chennai Corporation (GCC) area and is a first of its kind in the country for urban flood mitigation operations. All the thematic datasets such as administrative boundaries, flood locations, boat locations, relief shelters, evacuation areas, water bodies, etc. were provided by GCC and were invaluable in developing the decision support system. CFLOWS-Chennai is an excellent example of utilization of science and technology for disaster mitigation operations.

The integrated system involves coupling models of regional weather forecast, hydrological/catchment, hydraulic regime of rivers, urban drainage/overland flow, tide and storm surge. The developed expert flood forecasting system has six major components, which are connected to each other and all the connections are automated through real-time forecast, monitoring and data sharing. The components are: A) Regional Weather Forecasting and Modelling B) Tide and Storm-Surge Modelling C) Monitoring of flows using sensors D) Upstream Hydrologic Modelling E) Flood Modelling F) Integration, Data Bank Generation and Forecasting of Flood Inundation with Visualization.

6.2.2 Satellite Telephony

Satellite connections do not depend on land-based telephone wires or cellular towers and are capable of providing a full range of communications services, including voice, video and broadband data. Even when disasters strike, these networks can be used to provide seismic and flood sensing data to government agencies, to enable early warning of an impending situation and broadcast disaster-warning alerts and facilitate general communication and information flow between government agencies, relief organizations and the public. Satellite telephony in Greater Chennai Corporation is active.

6.2.3 Internet Telephony

Internet telephony allows voice calls and other services like fax, SMS and other voice messaging applications to be transmitted using the internet as a connection medium. The Government of Tamil Nadu has a state-wide area cable network offering internet facilities. Internet telephony connectivity will be established to ensure that during disasters communication is disseminated without interruption.

7.0 INVESTING IN DISASTER RISK REDUCTION FOR RESILIENCE

"Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment. These can be drivers of innovation, growth and job creation. Such measures are cost-effective and instrumental to save lives, prevent and reduce losses and ensure effective recovery and rehabilitation"

- Sendai Framework for Disaster Risk Reduction 2015-2030

Investing in disaster risk reduction for resilience is the third priority area of the Sendai Framework. The Government of Tamil Nadu will create a Disaster Mitigation Fund for undertaking disaster risk prevention and reduction through structural and non-structural measures to enhance the economic, social, health and cultural resilience/resistance of persons, communities and the state's assets, as well as the environment. The Government of Tamil Nadu will further encourage the involvement of the community, civil societies and the private sector to partner with the government in its efforts to transform vulnerable areas to resilient areas. The government will also promote-

- Tools for incorporating disaster risk considerations in cost-benefit analysis, budgetary tools and information systems.
- Sector based guidelines for the implementation of disaster risk management policies for public investment.
- Guidelines for the evaluation of investment projects, including tools and requirements for disaster risk management and climate change adaptation analysis in addition to Environmental Impact Analysis and compliance to regulatory requirements in fragile ecosystems and other general regulations.
- Tools for analyzing natural hazards in public investment projects.
- Developing and enforcing risk analysis criteria in private and public investment system regulations.
- Compendium of best practices

Greater Chennai Corporation is allocating necessary resources, including finance and logistics for the development and the implementation of disaster risk reduction strategies policies, plans and regulations in all relevant sectors with the active participation of the community and collaboration with different stakeholders. GCC has made investments in integrated Stormwater drain networks, recharge wells, and in our waterbodies, among others. The details are explained in Chapter 9.

7.1 Involvement of Private Sector

The private sector will be brought together on a common platform to strengthen disaster resilient investments, particularly through: structural, non-structural and functional disaster risk prevention and reduction measures in vulnerable areas and in critical facilities and building better from the start to withstand hazards through proper design and construction, including the use of the principles of design innovation and the standardization of Building Codes and materials; retrofitting and rebuilding; and taking into account economic, social, structural, technological and environmental impact assessments. Greater Chennai Corporation has been working with the private sector to restore waterbodies. GCC has signed MoUs with various NGOs and the private sector.

7.2 Non-Structural Measures

As part of the non-structural measures the Government of Tamil Nadu will promote the mainstreaming of disaster risk assessments into land use policy development and implementation, including urban planning, land degradation assessments and housing for the poor and the use of guidelines taking into account anticipated demographic and environmental changes. The Government of Tamil Nadu will also encourage the adoption of National Building Codes and Standards, rehabilitation and reconstruction practices.

7.3 Social Inclusion

Government of Tamil Nadu is known for welfare policies and is a pioneer in protecting and promoting the interests of the vulnerable sections be it women, weaker sections, children or differently abled. The design and implementation of inclusive policies and social safety-net mechanisms will be further strengthened, including community involvement, integration of livelihood enhancement programmes, access to basic health care services, including maternal, newborn and child health, sexual and reproductive health, food security and nutrition,

housing and education and find durable solutions in the post-disaster phase to empower and assist people (currently) disproportionately affected by disasters to be resistant to risks. Greater Chennai Corporation willcontinue its efforts to ensure the welfare of the vulnerable sections of our society.

7.4 Mainstreaming Disaster Risk Concerns

Mainstreaming disaster risk reduction into development plans strengthens risk reduction strategies by ensuring that new projects will incorporate measures to reduce existing risks and will ensure that new risks do not arise due to implementation of the new projects.

- On-going schemes and projects of the Ministries and Departments of Government of India and Government of Tamil Nadu as well as of all Government agencies and Institutions, including Public Sector Undertakings, will be mandated to mainstream disaster risks into the schemes and projects for ensuring that they address the disaster risk and vulnerabilities of the local areas and enhance the capacity of the community to resist disaster risks.

- At conceptualization or funding stage itself, the developmental schemes will be designed taking into consideration potential hazards associated with it and incorporate measures for mitigation of the same.

Greater Chennai Corporation will partner with relevant stakeholders and work toward mainstreaming disaster risk reduction.

Major areas identified for mainstreaming risk concerns into developmental plans

During the period 2018-2030, the Government of Tamil Nadu will focus on major thrust areas for mainstreaming risk concerns into development plans taking into account risk reduction as an essential investment to promote sustainable and inclusive development.

The major thrust areas identified are as follows.

1. Natural Resources Conservation,
2. Comprehensive River Basin development,
3. Restoration & Sustainable Management of Ecosystems,
4. Social Inclusion.

The convergence and mainstreaming of risk concerns into these major thrust areas will enhance resilience/resistance of the community and the city to different disasters. GCC is already advancing efforts to address the relevant thrust areas. Some of the efforts include desilting of waterbodies, tree planting, rainwater harvesting, artificial recharging of groundwater, and rainwater harvesting audits, among others.

Mainstreaming concerns of disaster into development plans will be undertaken by the District Disaster Management Agency in Chennai and by the Commissioner of Revenue Administration & the State Relief Commissioner at the State level to ensure participation of relevant stakeholders and full engagement of all state institutions. The overall direction of mainstreaming of risk concerns into development will be provided by the Tamil Nadu State Disaster Management Authority.

8.0 STANDARD OPERATING PROCEDURES

The City starts its preparedness in the month of September every year. This is includes clearing of water bodies, Stormwater drains, removal of floating materials, strengthening the bunds, preparing relief centres, common kitchen, stopping road cut works, pruning of trees etc. A detailed discussion on each areas are discussed in the following paras.

8.1 Preparedness of water ways and water bodies

GCC will remove water hyacinth and floating materials from canals maintained by them periodically, using floats on annual maintenance basis well in advance to maintain un hindered water flow and to control the mosquito menace.

Sl.No	Measures before Monsoon	Actions to be taken during rain
1	Chute Pipe Cleaning.	Examine manhole cover to be in good condition.
2	Inlet chamber cleaning of sands / Debris near the chute pipe.	Continuous cleaning of garbage in chute pipe / inlet chamber / vertical gratings.
3	Missing link of Stormwater drain to be constructed and covered with precast slab.	Ensure the flow of water from road to SWD to monitor periodically by inspection.
4	Ensuring the network connection of SWDs	Pump / Motor can be used to maintain
5	Every year SWD to be cleaned	Block in SWDs to be cleared by motor / sucker lorry if necessary
6	Tools materials like, cow-bar, Manhole lifting hook, rope, FRC door cover slab, kept ready for use.	Keep open the manhole cover of SWDs so as to drain water more with safety precaution sign around the manhole cover.
7	Repair in SWD structure to be attended.	Make temporary kutcha drain to drain out water from higher level to lower level on emergent situation.
8	Street joints of SWD to be ensured.	If needed enlarge the chute pipe.
9	Garbage removal around bins to be done.	Providing Barricade, sign board for diverting traffic in the above places.
10	Manhole cover to be in good condition, damaged one to be replaced.	Flow of water inside the SWD is periodically monitored to ensure that the water is running full capacity inside the SWD.

Sl.No	Measures before Monsoon	Actions to be taken during rain
11	Removal of Debris / silt inside the SWDs.	The SWD at its joining point with canals and rivers is frequently checked for removal of any blocks at the draining point with rivers and canals.
12	Streets where SWD require cleaning	Diesel / Submersible pumps are provided in the needed location to drain out water in SWDs.
		Road cut may be done in order to drain more water with safely sign boards.

8.2 Water stagnation locations

In city various water stagnation locations were identified in Zone 1 to 15. The list of mild, moderate, heavily inundated area, streets likely to be inundated and the areas where the people are to be evacuated are given in detail in each zone chapters. Strict vigil is maintained in these areas. From those areas stagnated water to be disposed to the particular disposal points like Stormwater drain and canal. The table shows the preparedness of Water stagnation locations in pre monsoon and during rain.

Sl.No	Measures to be taken before rain
1	RWH structures to be cleaned and refilled.
2	Chute pipe should be cleaned.
3	De-silting of disposal points and Stormwater drains/canals.
4	Keep JCB, Bulldozers, cranes, pumps and super sucker Lorries ready.
5	Provide inlet chambers and pipe connections to the existing nearest drain.
6	De-silt Stormwater drains.
7	Break the top slabs and desilt the SWD where chronic obstruction is noted and cover with precast slab.
8	Missing link of Stormwater drains to be constructed and covered with precast slabs.
9	Available machineries/pumps to be checked and kept in ready condition. A log book to be maintained by AEE regarding the same.

8.3 Preparedness of Relief Centers

The GCC has identified and notified around 169 relief centers across the city keeping in mind the vulnerability of areas prone for inundation and need for eviction. The community halls, schools and public buildings are identified to act as relief centers. The details of relief centers locations, contact persons are given in there respective zonal chapters.

The relief centers are to be provided with safe drinking water, toilet facilities, lighting arrangements, food packets, bread and Aavin milk for children, senior citizens, differently abled persons are also to be kept in readiness in the relief centers. The action plan for relief centers before and during rain is discussed in the following table.

Measures before Monsoon	Actions to be taken during rain
• Clean the relief centre	• Ensure regular supply of water by CMWSSB
• Surrounding area should be cleaned	• Ensure adequate water available in sump and water tank
• Necessary arrangement of water facilities by deploying CMWSSB 3000 Ltrs tanks.	• Ensure the Toilets are cleaned regularly
• Clean sump and water tank	• Cooking should be done regularly and food supplied
• Clean Toilets	• Ensure the sufficiency of cooking gas.
• Clean Vessels/Gas Stove	• Groceries & vegetables to be purchased.
• Ensure supply of Cooking gas.	• Vehicle arrangements with sufficient labourers for food distribution to all required places.
• Availability of lights/ fans to be ensured.	• Light and fan to be operated
• Medical facilities	• Spraying of disinfectant.
• Cooking staff should be arranged	• Supplying food to affected people.
• List of provision materials/ vegetables to be purchased during rain to be kept ready.	• Receive VVIP's / VIP's / NGO's at relief centre and explain to them.
• Identification of place for storage of provision materials/ vegetables	
• Keep ready Vehicle arrangements with sufficient labourers for food Distribution to all required places.	

• Light, Fan Switches to be tested	• Be polite towards the people.
• Generator to be provided.	• Garbage removal must be continuous.
• Assessing the requirements of food / Bread / Milk	• Station ambulances where ever possible.
• Instruction should be given to all staff at the relief centre to ensure the quantity and quality of food etc.	• Distribute relief material in a systematic manner
• Ensure temporary electric arrangements to be kept always ready to operate during power failure.	• Ensure police bond bust
• Ensure good sanitation in and around the relief centre by fogging, cleaning etc.	
• Inform police and Fire and Health, Metro water about the location of relief centre.	• Keep record of food distribution and relief material distribution.
• Deploy Police	

8.4 Common kitchen

The Corporation maintains 1 dedicated common kitchen centers with a capacity to cook 5000 food packets per hour, at Chintadripet.

The common kitchens were stacked with required quantities of rations / provisions and cooking materials well before on set of monsoon. The vehicles will be kept ready in all these kitchens to transport the food to the affected areas and relief centers.

In each common kitchen one Sanitary Inspector will be posted round the clock to monitor food preparation & food hygiene. Temporary food centres will also be set up in private marriage halls depending on the gravity of situation. Assistant Revenue Officers are put in charge to prepare the required quantity of food for common kitchen/relief centre kitchen.

To supplement above arrangements the food from Amma Unavagam also will be lifted to the affected areas. Aavin will be requested to supply milk to the flood affected children and aged persons. Supply of Bread will be arranged from modern food industries. The supply of drinking water will be arranged from Amma Kudineer and by CMWSSB.

8.5 Subways

There are 23 subways in Chennai city of which GCC maintains 18 subways (Sl.No. 1 to 18) and 5 subways (Sl.No. 19 to 23) are maintained by Highways department. The details of locations of subways are given in the respective zonal

chapters. The 18 subways maintained by GCC are running for surpass for the passenger in different location and the subways in Chennai are given below.

List of Subways maintained by GCC and Highways			
S.No.	**Zone**	**Dn. No.**	**Name of the Subway**
Subways maintained by GCC			
1	I	5	Manickam Nagar Limited Use Subway
2	V	60	RBI Subway
3	V	61	Gengu Reddy Subway
4	V	52	M.C. Road (Stanely) Subway
5	V	53	C.B. Road Subway
6	VI	71	Ganeshapuram Subway
7	VI	71	Perambur Subway
8	VII	84	Korattur Subway
9	VIII	94	Villivakkam Subway
10	VIII	108	Harrington Subway
11	IX	109	Nungambakkam Subway
12	X	134	Madley Subway
13	X	133	Duraisamy Subway
14	X	132	Rangarajapuram Two wheeler Subway
15	X	142	Jones Road Subway
16	X	142	Bazar Road Subway
17	XII	162	Pazhavanthangal subway
18	XIII	169	Aranganathan Subway
Subways maintained by Highways			
19	I	1	Katthivakkam High Road(ROB)
20	IV	46	Vyasarpadi Subway(ROB)
21	XII	161	Mount subway
22	XII	162	Thillaiganga Nagar Subway
23	XII	166	Meenambakkam Subway

These subways are equipped with pump sets to bail out water from the subways. Depending upon the necessity, pump sets from Agriculture Engineering

Department, Fire Service Department and Private Sources will be deployed. The preparedness of subways before monsoon and steps to be taken during the monsoon are described in the following tables.

Measures before Monsoon	Actions to be taken during rain
• Clearance of garbage and sand in the subway and surrounding areas	• The Diesel engines/electric pumps to be kept at an elevated level/platform.
• Remove rank vegetation.	• Ensure that all regular and stand by pumps are kept in working condition
• Cleaning of chute pipes/inlet chambers in the subway.	• Keep sufficient stock of diesel, petrol, oil, grease.
	• Keep GENSET in ready condition.
Measures before Monsoon	Actions to be taken during rain
• De-silting collector well.	• Ensure Starting handle availability.
	• Check condition of foot valve /suction valve.
• Disposal channel to be de-silted and free flow in its route to be ensured	• Check the metallic rope in pump.
	• Carryout trial run of pumps.
• Service lanes in subway to be cleaned.	• Mark danger water levels in red paint on both sides of subway above which the subway should be closed for traffic.

Preparedness of Manpower in the Subway

Action to be taken during rain	
• Operate the pumps as and when required.	• Ensure stock of Petrol, Oil, Lubricants.
• Closely watch the inlet /chute pipe.	• Continuously operate the pumps.
• Remove choking if any found.	• Check the water disposal at the outlet.
• Check the hose pipe and ensure that it is intact.	• Ensure the movement of traffic in the subway.
• Ensure the traffic movement without hindrance.	• Caution the two wheelers riding in subway.
• Monitor the water level and to inform the higher level officer and submit a report every two hours.	• Do not to allow senior/ disabled people to cross the subway.
• Photograph the subway to ascertain its status and to ensure traffic movement and share through WhatsApp.	• Close the subway if water in the subway is above the danger mark normally more than 3 feet at the lowest level.

Action if Subway is flooded to the brim
• Operate reserve pumps and submersible pumps to control water level in the subway.
• Put heavy duty pumps to suck out water.
• Have two (or) three disposal points.
• Keep sufficient lorries, JCBs, dozers and men for removal of silt, garbage and floating materials etc., in the subway once rain stops.
Action if Subway is flooded to the brim
• Keep sufficient lorries, JCBs, dozers and men for removal of silt, garbage and floating materials etc., in the subway once rain stops.
• Supervisory Officer to monitor the water level and to inform the status to the higher official.
• Keep de-silting the outlet points in case of block.

8.6 Tree fall

The Preparedness of tree falls includes pruning of trees, anticipation of the uprooting of trees during cyclone etc. Vehicle mounted saws and power saws are kept ready in all zones 1 to 15 to cut and remove the fallen trees on the roads and the following measures to be taken before rain and during rain.

i. Keep sufficient labourers to attend tree falls in wards.

ii. Sensitize the conservancy labourers to report the tree fallen in streets to Assistant Engineer.

iii. Keep private contractors with tree cutting tools and vehicles for removal of dead trees and slanting trees if regular staff is not available.

Preparedness of Tree Fall in City.

Measures before Monsoon	Actions to be taken during rain
• Inspect BRR and other roads to assess the stability of trees and low branches	• Keep in close contact with Control Room, traffic, law & order, fire dept. and TANGEDCO to know about the tree falls.
• Form teams with Park overseers, vehicles, labours &equipments& deploy them	• Immediately reach the spot with vehicles.
• Keep the following equipment with specific area jurisdiction a. Manual Saw. b. Power Saw. c. Vehicle Mounted Saw. d. JCB, Open lorry, Crane etc., e. Sufficient stock of POL, f. Finalise Private contractor. g. Ropes - sufficient length h. Temporary Barricades i. Temporary lighting arrangements.	• Electric lines to be switched off
• Conduct trial run of manual and Power operated saws	• Make use of conservancy, road and malaria labourer to cut the branches
• Attend complaints for removal of trees and branches.	• Deploy JCB, Crane, Bobcat and Open Lorry to remove the branches and trunks
• Trees at low level touching overhead TANGEDCO line to be reported	• First priority is to restore traffic movements
	• Deploy Private Contractors where ever required to clear fallen trees
	• Providing suitable barricades to protect the unstable trees
	• Report the road blocks and tree removal to the Head Office with WhatsApp Photos stage wise

8.7 Transport equipment /Lorries

Measures before Monsoon	Actions to be taken during rain
• Inspect lorry stations and keeping it ready for operation.	• Ensure 100% march out for conservancy
• Instruction to be given to the time keeper and other field staff to maintain reserve of diesel, oil and spare materials related to repair works and maintain 24 x 7 operation.	• Tree cutting and debris clearance
• Have contact details and address of Lorry driver and Mechanic.	• Clear garbage without accumulation.
• Engage private contractor if needed.	• Deploy JCB / Lorries & Bobcat wherever necessary.
• Necessary purchase of important items like tyres, spare parts etc to be done in advance.	• Ensure continuous fuel supply
• Lorries / JCBs / Bobcats to be kept in good condition	• Send water tanker lorry to suck out water stagnation.
• Instruction to be given to Lorry station A.E to monitor the vehicle condition and to inform the higher officials to plan for shifting the Vehicles from Low Lying Area to high land.	• Procure POL to supply to Health dept vehicle and for fogging Machine.
• Planning of lighting arrangements and mobilisation of DG Set	• Keep drivers at Night time also.
• Keep reserve drivers.	• Engage contractors to attend repair works immediately.
• Planning of lighting arrangements and mobilisation of GENSET	• Engage private contractors if necessary.
• Sufficient mechanic / helpers for vehicle repair and maintenance.	• Drivers allocation plan to be prepared and informed proactively to drive the vehicles
• Inspect lorry stations and keeping it ready for operation.	• High capacity HP pumps to be kept at ready state
	• Contact RTO in case of more lorry required.

8.8 Preparedness of Streets

8.8.1 Preparedness of Streets do not require evacuation

During every monsoon GCC will identify vulnerable spots in all zones and action will be initiated to dispose the rain water through Stormwater drain into river, canal etc. The precautionary measures to be taken are as follows.

i. Stock sand bags in Ward offices and in important streets.

ii. Keep ready pumps with required capacity to pump out water entering in to houses.

iii. Instruct public to clean the RWH structures in the private premises and GCC to clear RWH structures within their jurisdiction.

iv. Advising house owners to increase the height of low lying area within their compound to match with road level and their basement.

v. Identify dilapidated buildings and alert people who are living there.

vi. Identification of place for dumping Debris.

vii. Engaging the Private Contractor with necessary machineries to remove debris in case of building collapse.

viii. Mobile Super Sucker & Pumps to pump out water.

ix. Identify the location and route through which water can be pumped out.

8.8.2 Preparedness of Streets require evacuation

During heavy flood occurred in the year 2015, people evacuated from various locations were accommodated in relief centres/public buildings provided with basic amenities in all the zones. The following section gives the detailed action plan for evacuation in different circumstances

a) Streets where Rivers/ Lakes/ over flow and need evacuation*:*

i. Monitor river levels and releases from upstream

ii. Arrange mobile public address system for announcement of evacuation, inform media and through other possible sources.

iii. Making necessary transport arrangements to evacuate.

iv. Stock sand bags along the canal, lake and river bunds.

v. Mobilize mobile lighting system.

vi. Heavy (giant) pumps to be kept ready.

vii. Identify Relief Centres for street wise evacuation.

viii. Keep the relief centres ready with water supply, toilets, sanitation, medicines, food& lighting facilities.

ix. Make arrangements for cooking food.

x. Supply from Ammaunavagam

xi. Assess numbers to be evacuated at R.C.

xii. Ambulance, boats with life jacket medical team, Police escort, NDRF to be kept ready.

xiii. Sufficient staff and labourers to be trained and posted.

xiv. JCB /Cranes /Bulldozers and other machineries to be procured and kept ready.

b) Air Lifting Operations:

- Deployment plan for airlifting in the whole area
- Food supplies through Air craft
- Necessary fuel to be kept at RC
- Gas operated emergency lights to be rented / procured.
- Necessary financial arrangements to be made to meet out unforeseen expenditure.
- Prior information to nearest UPHC / private hospitals to handle casualties during rain .
- Burial grounds to be equipped with fuel and labourer arrangements and approaches. Gas burners / Gen sets to be kept ready.
- Divers and swimmers team to be made available.
- Sufficient rain coats to be made available.
- Special team of conservancy to clean the floating garbage / debris / etc round the clock.
- Fire service to be alerted.

c) Inundated Streets

i. Chute pipes / water table to be de-clogged regularly & water to be kept flowing.

ii. De-silting the disposal point periodically.

iii. Use brush to clear water

iv. Ensuring the sufficient number of super sucker/sewer lorries and pumps are mobilized and deployed to drain water.

d) Streets where water entering houses

i. Power should be disconnected.

ii. Piped water to be stopped

iii. Mobile water supply to be arranged

iv. Prior announcement to be made to safeguard household materials and to move upstairs.

v. Manpower for relief material distribution.

vi. Alerting people in dilapidated buildings

vii. Deployment of Fire service, SDRF and NDRF to evacuate people through boats regularly. Arrange food to those who are stranded upstairs.

viii. Garbage cleaning to be done

ix. Cleaning of sumps with Bleaching powder and filling fresh water before starting same.

x. Applying of lime and bleaching powder

xi. Snake catchers to be put into job.

xii. Silt, debris/rubbish etc., removal in the streets.

e) Streets where Rivers/ Lakes/ over flow and Need evacuation

i. Use sand bags to prevent overflow.

ii. Issue warning to evacuate low lying areas as soon as you anticipate overflows.

iii. Deployment of rescue teams to help the public evacuate.

iv. JCB/ bulldozers/ cranes/ lorries to be deployed to spot immediately.

v. Fumigation and application of disinfectants / powders in the affected area.

vi. Continuous monitoring of materials available.

vii. Alternate substitute staff / labourers to be kept ready with prior training.

viii. Medical camps to be available round the clock.

ix. Deploy boats to evacuate and distribute food and water for people.

x. Deploy helicopter for air dropping of supplies and evacuation

8.9 Lighting facilities

At the time of disaster most of the operation will be taken place on 24x7 as like war period. Therefore establishing alternate sources of lighting is a prerequisite in all areas. Eighteen mobile high mast lights are deployed in all zones in case of power cut during flood and cyclone, these light shall be used. The following table shows the preparedness of lighting facilities in monsoon period.

Preparedness of Lighting Facilities

Measures before Monsoon	Actions to be taken during rain
• Inspection of all street lights.	• Check street lighting at nights and attend in case failure.
• Replace the damaged street light poles and report.	• Check lighting in parks and public convenience
• Ensure lighting facilities in streets, relief centres, UPHC & officers.	• Ensure the operation of substation in wards.
	• Electrician labourers to be kept ready during night times
• Details of one of more private contractors for providing temporary power supply and lights to be maintained.	• Night patrolling of street lights.
	• Instruction to be given to electrical in-charge for preparing duty arrangement.
	• Engaging private contractor for arrangements of DG set .
• Keep sufficient labourers to attend complaints regarding lighting.	• Power Supply.
	• Run DG set in case of power failure in Relief campus/ UPHC/ govt offices/ schools.
• Cables on the streets to be checked	• Keep sufficient bulbs/ tube lights ready.
• Rectify low lying TANGEDCO cables.	• Keep stock of emergency lights.
• Rectify open broken TANGEDCO pillar boxes.	• Put up emergency lights to rescue operation in high time.
• Rectify open broken TANGEDCO pillar boxes.	• Keep ready candles in bulk.
• Keep POL in ward / Zonal Offices.	• Plan for utilization of solar panels.
• Inspection of all street lights.	• Keep Gen-set in BG's to operate lighting arrangement also.

8.10 National Disaster Response Force/ State Disaster Response Force

The relief teams from National Disaster Relief Force (NDRF) are also pressed into service for urgent relief operations. The services of coast guard are requested in the event of very heavy flooding.

NDRF

The Commandant, 04, Battalion (NDRF), Suraksha Campus, Takkolam, Arakkonam, Vellore District – 631 152 : **Contact. 04177 – 246594/246269**

The State Disaster Response Force (SDRF) has been constituted and stationed at Commando Force Head Quarters, Adyar. The Commissioner, Greater Chennai Corporation will request for the assistant of SDRF/NDRF in case of any disaster.

The NDRF to be stationed in the designated locations & deployed to needy points for commencing evacuation operations. A detailed mentioned about housing of NDRF/SDRF and pre positioning locations are discussed in each zone. The following are the precautionary measures to be taken before rain:

i. Identified vulnerable places should be informed to NDRF for pre positioning the force. Contact with commandant to deploy in vulnerable areas in case needed.
ii. Identify station place to accommodate them.
iii. Procure fuel for them.
iv. Joint inspection with NDRF / SDRF/ QRT
v. Accommodate NDRF in chosen place. Deploy them in selected location for evacuation and supply of food to victims.

8.11 Health Department Support

At the time of any disaster preparedness medical facilities is more important to save the people from various infections and diseases. In GCC there are 231 Medical Officers and 1959 Paramedical Staff working at 152 health centers and a Communicable Diseases Hospital. 3 Medical Teams focused in each zones to give medical care during the flood emergency period round the clock. Whenever flood relief camps are opened, Medical officer, Paramedical Staff and Sanitary Inspector will be posted round the clock to ensure Health, Hygiene and sanitation of the

affected population. The following Preparedness are given to control the disease at the time of disaster.

1. Essential medicines have to be stocked in adequate quantity in all the Urban Primary Health Centers and Communicable Disease Hospital. At Present 2 month's stock of disinfectants and medicines are available in each zone. At any moment procurement of necessary requirement of disinfectants and medicines can be purchased from TNMSC within a week's time.
2. All the diarrheal infected patients in the Communicable Diseases Hospital are to be intimated to the respective Zonal Health Officers to take appropriate preventive and control measures immediately in their residential areas.
3. Adequate quantity of bleaching powder, chlorine tablets and phenyl are stocked at Unit Offices and Stores. Adequate resources are available for maintaining hygiene and sanitation in a flood situation in the flood prone areas.
4. Spraying with MLO is being carried out in all the water stagnation places once in a week. The frequency of this should be increased depends on the ground reality. 498 sprayers are engaged for this activity.
5. The potential sources of contamination of water such as sewage overflow is being identified and it will be intimated to the Metro water engineers for appropriate action. Joint inspection with Zonal Health Officers and Metro water officials are being conducted regularly.
6. Both during and after any disaster, outbreak of epidemics is a major fall out. A strong health support system would largely mitigate this situation. Considering the fact, the respective Sanitary Inspectors are to take up the anti mosquito fogging in all the streets and anti larval spraying for Stormwater drain networks and canals periodically.
7. The concerned sanitary officers and santitary inspectors will ensure residual chlorine of 0.2 to 0.5 ppm in drinking water supply in co-ordination with CMWSSB staffs. Distribution of bleaching powder to individual houses to clean the overhead tanks and sumps to avoid water contamination.
8. Vector control activities will be carried out by the Entomologist in all the zones.
9. The zonal health officers are to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and to co-ordinate conduction of health camps at required habitations.

The following table shows the Preparedness of action taken for disease control in monsoon period.

Measures before Monsoon	Actions to be taken during rain
• Assess the streets where spraying of disinfectant needed.	• Sector ALO work to be done
• Keep sufficient lime/ bleaching powder in S.I Office.	• Fogging to be done
	• Spray disinfectant in water logged streets.
• UPHCS to be kept ready	• Supervise sector programme.
	• Chlorine level to be maintained.
	• Fogging operation to be intensified.
• Sector ALO work to be strangled.	• Analysing the trend of diseases in UPHCS – op
	• Administer DT Vaccination to employees.
• Intensify fogging activities.	• Give bleaching powder to each family.
	• Spray disinfectant to all streets.
• Clean SWD blocks	• Check chlorine level in all water lorries.
	• Put up medical camps in relief centre, low laying areas, disease prone areas.
• Procure drugs for UPHC	• Mobilize doctors to the needed location with vehicles.
	• Arrange food for the medical team,
• Distribute Mask hand cloves / boot to labours.	• Keep the BGs in open and ensure labourers availability there.
	• Give masks, hand cloves, boots to sanitation employees.

The Health Department in GCC will be geared up with the following activities.

i. Intensify Activities for control against Dengue and Other Communicable Diseases

ii. Source Reduction activities to be intensified mainly in Hospitals, Schools, Colleges, Railway Yards, Vacant plots, New Construction sites, domestic sources, etc.

iii. IEC Activities to be carried out by audio and video measures at all Hot spot areas, Hospitals, Schools, Colleges, Government institutions, Slums and places where people gather.

iv. Distribution of Nilavembu Kudineer to the General Public.

v. Protective gears like Gloves, Mask, Shoes, Over Coat to be provided for workers who are involved in anti – mosquito activities.

vi. Health application to be developed for fever notification, patient details for follow activities and treatment, control centre.

8.12 Veterinary Support

The GCC conducts Mass Veterinary Camps in collaboration with Tamil Nadu University for Veterinary and Animal Sciences 30 Camps (two per Zone) will be conducted. The following activities are undergone for veterinary support.

i. Treatment of Large Animals and Small Animals

ii. Anti-rabies Vaccination and Deworming

iii. Distribution of Nutritional supplements for pet animals

iv. Distribution of Nutritional supplements for large animals

v. Distribution of free mineral mixture/ salt licks

vi. Distribution of green fodder

vii. Distribution of Paddy Straw at subsidized rate of Rs. 2/Kg @ Perambur and Pudupet Cattle depots

The GCC will form Animal Rescue Teams, one for each zone to support the animals at the time of disaster. The composition of rescue teams are as follows.

1. One Veterinarian
2. Two Animal Attendants

These rescue teams with the help of Dog Catching Vehicles and Cattle Catching Vehicles will conduct animals health camps. The dead animals found on roads, streets, water bodies will be disposed by carcass and buried at Kodungaiyur

and Perungudi dumping yards following sanitary measures.

The GCC have arranged the Emergency Animal Rescue stations for the purpose of treatment. Table shows the details of Cattle and horse Rescue Stations.

Rescue Station for Cattle & Horses (Domestic Animals)

Sl. no	Hospital Name	Place	Contact No.
1.	Greater Chennai Corporation 'G' Cattle Depot	Perambur	9445197444
2.	Greater Chennai Corporation 'D' Cattle Depot	Pudupet	9445026046
3.	Government Veterinary Hospital	Saidapet	04424352478
4.	Government Veterinary Hospital	Tondiarpet	04424892536
5.	TANUVAS Veterinary Hospital	Vepery	04425304000
6.	Blue Cross Animal Rescue Centre	Velachery	04422300666

Rescue Station for Dogs, Cats & Birds (Pet Animals)

Sl. no	Hospital Name	Place	Contact No.
1.	Greater Chennai Corporation Pet Clinic	Thiru .Vi.Ka.Nagar	9445026042
2.	Greater Chennai Corporation Pet Clinic	Nungambakkam	9445194747
3.	Greater Chennai Corporation Pet Clinic	Kannammapet	9445026049
4.	Greater Chennai Corporation Animal Rescue	Centre Lloyds Road	9445194746
5.	Greater Chennai Corporation Animal Rescue	Centre Basin Bridge Road	9445026047
6.	Government Veterinary Hospital	Saidapet	04424352478
7.	TANUVAS Veterinary Hospital	Vepery	04425304000
8.	TANUVAS Peripheral Veterinary Hospital	Madhavaram	04425551586

8.13 Role of Financial Advisor

Arrangements shall be made to disburse advance amounts to the Zonal Officers, Head of the Departments, Officer in charge of the Relief Centres and other officers for carrying out relief works.

Arrangements shall be made to function the Treasury of Greater Chennai Corporation, including holidays, to disburse advance amounts, to the Zonal Officers, who are involved in the flood relief works.

8.14 Role of Public Relations Officer

On receipt of warning message from the Control Room, all arrangements shall be made to warn the people living in the low-lying areas to move to relief centres in advance.

Arrangements shall be made to communicate the messages of the Commissioner to the public through medias. PRO shall also publish press release about the relief activities that are under taken by GCC to build confidence and subdue panic among the public.

8.15 Ward Committee

The ward committee is formed for each ward by drawing officials from various departments to work in close coordination. The objective of forming such ward committee is to ensure co-ordinated mitigation work in the field without lapse of time.

Defining the role of line departments is very essential and should play a supportive role to ensure smooth functioning of the Entire Disaster Management Operation. The duties and responsibilities of staffs/ officials of ward committee are described as below. Table shows the responsibilities for the various designation in the ward committee. The composition of ward committees with contact details mentioned in detail in the respective zones.

Responsibilities of Officials

Designation	Responsibilities
Assistant Engineer/Junior Engineer, GCC	Removal of water stagnation on roads & subways, desilting SWD and cleaning chute pipes, arranging pumps for dewatering, evacuating people at times of flood and providing them food
Assistant Engineer/Junior Engineer, GCC– Electrical,	Inspecting & replacing the non-burning street lights, alternate arrangement for lighting during power failure
Sanitary Inspector, GCC	Ensuring the proper sanitation for the zone, Anti mosquito fogging on all the streets and anti-larval spraying for Stormwater drains and canals, spraying disinfectant on streets
Veterinary officer, GCC	Animal health issues and disposal of dead animal carcass
Conservancy Inspector, GCC	Clearing of garbage and spreading the lime powder around the bins debris
Assistant Revenue Officer, GCC	Ensuring the readiness of common kitchen, food materials and drinking water in the relief centres during evacuation at time of flood
Park Overseer, GCC	Removal of fallen trees/branches and pruning of trees.

Assistant Engineer, TANGEDCO	Proper maintenance of the electric cables, ensuring 24x7 power supply, attending to cable faults
Assistant Engineer/Junior Engineer, CMWSSB	Ensuring proper water supply and removing sewer blocks.
BSNL	Assuring uninterrupted communication & attending to faults
Fire Service	Rescuing people from burning and from collapsed buildings
Police	Maintaining law & Order, patrolling the areas for protecting people & property
WRD	Desilting of canals and rivers
TNUHDB	Providing the basic amenities to the slum tenements

These ward committees have to look after any kind of emergency or disaster occurrence in the ward. The preparedness of ward committee during the disaster time is show in the table below.

Preparedness for Inter department coordination

Measures before Monsoon	Actions to be taken during rain
• Conduct co-ordination meeting at Zonal / Regional / Ward level.	• Assemble at one point and monitor it.
• Familiarize with line departments.	• Inspect jointly the vulnerable areas.
• Discuss the issues with line departments	• Deploy machineries at required location.
• Conduct co-ordination meeting with line departments.	• Joint inspection
• Inspect jointly the vulnerable areas	• Deploy JCBs. dozers to clear garbage in canals and culverts.
• Request the service departments to keep the logistics in good condition	• Communicate the need to service department
• Request PWD, Highways department to clean SWDs/ Canals and De-silting it.	• Co-ordinate with service dept.

8.16 Other Departments Mitigation Plan

The civic and essential services to the public in Chennai city is being provided by various departments independently. Unless there is effective coordination plan with other departments preparedness, relief and rehabilitation of affected people will not be done effectively. The Commissioner, GCC will conduct regular meetings

with the Head of Departments before monsoon. The role of each department with regards to monsoon preparedness is described in the following table.

S. NO	DEPARTMENT	MITIGATION PLAN
1	Meteorological Department	To issue periodical weather warning before 24 or 48 hours and cyclone alert at the appropriate time. The rainfall details, wind speed and duration will be periodically updated for the city. GCC will also discuss with Meteorological Department well before monsoon to asses the intensity of forthcoming monsoon.
2	Chennai Metropolitan Water Supply and Sewerage Board	To avoid major road cuts during monsoon period and the road cuts done hitherto to be restored well in advance before commencement of monsoon. To replace all the missing sewer manhole covers. To display sign boards incase of unavoidable road cuts are made with a view to prevent pedestrians and vehicles from falling into the sewer and barricade the areas wherever necessary To ensure working conditions of sewerage pumping stations and to keep generator sets in pumping stations. Injection of necessary quantity of chlorine into drinking water supply line. Announcement to the public through Mass Media regarding the need for chlorination in private wells. Erection of water tanks at relief camps and flooded areas where the regular supply is stopped.
3	Director of Information and Public Relation	To disseminate the forecast and publish periodically about mitigative actions under taken by Greater Chennai corporation.
4	Water Resources Department	Removal of sand bars at river mouth of Cooum, Adyar and Muttukadu to ensure free flow of flood water into sea from water ways. To procure adequate quantity of sand bags and to be kept ready. Desilting of water bodies, clearing of debris /floating materials/ garbage/ hyacinth maintained by PWD. Clearing of culverts, vents under the bridges. The level and discharge from Chembarambakkam Tank, Puzhal tank, Redhills shall be updated to GCC Control Room. The flow level of rivers and discharge quantity at mouth shall be intimated to Control Room. Perennial issues like debris under MRTS bridge along Central Buckingham Canal, widening mouths of Coovum, Adyar, Kosasthalaiyar and B canal at Muttukadu shall be addressed in advance. One representative shall be nominated to work in the Control Room of GCC during monsoon period for coordination.
5	Highways & Rural Works Department	Blockages below the culverts/ Bridges along the water ways has to be removed. Stormwater drain in highways road to be de-silted. Manholes, chute pipes should be checked. Patch works should be attended. Footpaths shall be rectified. Pruning of trees shall be carried out.

S. NO	DEPARTMENT	MITIGATION PLAN
6	Tamil Nadu Electricity Board	To attend the faults, check transformers and pillar boxes to avoid electrocution. To vigil open LT lines in extended areas of GCC. Power supply to be cut off during flooding, if required.
7	Fire Service Department	To keep rescue teams with necessary machineries, tools, equipments, boats etc at designated locations. Readiness to commence evacuation and rescue operations in case of marooning of people.
8	Telephone Services	To ensure disruption of free service of important telephones of Greater Chennai Corporation and other Departments. Immediate temporary installation of connectivity facility may be made on request at certain important places like relief camps etc. The generators within their premises shall be kept in an elevated location to avoid submergence.
9	Chennai Metropolitan Transport Corporation	To keep buses on road in good condition for transportation of essential commodities of food packets to the inundated and marooned areas. If necessary the vehicles may be provided to evacuate the marooned people preferably high chased vehicles.
10	M.R.T.S. / Railways	To clear the blockade in rivers, canals beneath the tracks to ensure free flow of water.
11	Chennai Metro Rail Limited (CMRL)	Clearing the blockage of earth and concretes at canals, rivers and beneath of track line.
12	Indian Air Force	Indian Air Force shall get prepared with latitudes and longitudes of marooned areas for dropping food packets and air lifting.
13	Director of Medical Services	To keep ready medicines and ambulances at all Government Hospitals. To spare health personnel for mass inoculation, if required by Greater Chennai Corporation.
14	Director of Public Health	To work in close coordination with GCC for preventive measures have to be taken in advance before the outbreak of epidemics.
15	Tamil Nadu Civil Supplies Corporation Limited	To stock required commodities in all PDS shops.
16	Tamil Nadu Agro Industries Corporation	To supply tractor mounted pump sets with complete suction and lengthy delivery hose pipes.
17	Tamil Nadu Housing Board / Tamil Nadu Slum Clearance Board	To look after relieving of stagnant water, desilting of Stormwater drain within slum tenements area, clearing debris & garbage.

S. NO	DEPARTMENT	MITIGATION PLAN
18	Fisheries Department	To provide boats and catamarans as and when required by Fire Service Department, Police Department etc. To keep ready the contact details of boat operators engaged in rescue operation.
19	General Officer Commanding Head Quarters	To consider the suggestions made.
20	Director of Veterinary Service	To consider the suggestions made.
21	Greater Chennai Police	The communication equipment shall be installed in the Control Room of Ripon Building. To share informations like traffic clogging due to water stagnation, tree fall, status of traffic flow in subways etc.
22	Army Commandant	Will deploy Army personnel and other resources as and when the situation arises at their command.
23	Director of Ex-Servicemen	They will render assistance in the flood affected areas in the rescue operations.
24	Coast Guard	To render assistance in flood affected areas using their resources in the rescue operations.
25	Red Cross Society	For assisting in the flood affected areas with vehicles, men and materials.
26	Blue Cross, NGO, Volunteers	To render assistance with men and materials.
27	Chennai Metropolitan Development Authority	To consider the suggestions made.
28	Collectors of Chennai, Thiruvallur & Kancheepuram	Flood warning message shall be propagated to public if necessary in cooperation with GCC. Distribution of relief materials incase of huts damages, diseased cases etc. To identify and clear the encroachments.

9.0 ENHANCING DISASTER PREPAREDNESS

"*Experience indicates that disaster preparedness needs to be strengthened for more effective response and ensure capacities are in place for effective recovery. Disasters have also demonstrated that the recovery, rehabilitation and reconstruction phase, which needs to be prepared ahead of the disaster, is an opportunity to «Build Back Better» through integrating disaster risk reduction measures. Women and persons with disabilities should publicly lead and promote gender-equitable and universally accessible approaches during the response and reconstruction phases*"

- Sendai Framework for Disaster Risk Reduction 2015-2030

Enhancing disaster preparedness for effective response and "Build Back Better" in recovery, rehabilitation and reconstruction comprises is the fourth priority area of the Sendai Framework. Resilience of community, resistance to risks and avoidance of risks requires strengthening and enhancement of preparedness to ensure that the response to different disasters is effective through multistakeholder involvement. It also involves mitigation measures following systems approach.

9.1 Data Analytics for Strengthening Preparedness and Response

Big Data Analytics can play a significant role in strengthening management during different phases of the disaster. Data analytics enables real-time data analysis not only to map the most affected disaster areas, but also to uncover hidden patterns, unknown correlations and other vital information to make decisions and issue alerts before disaster onset and thereby help in effective preparedness, risk communication, response and relief & build back better strategies. The descriptive, predictive and prescriptive analytics will be used in multiple ways to handle disaster management more effectively during different phases of disaster.

9.2 Build Back Better for Rehabilitation and Reconstruction

Though all disasters pose multiple challenges, each disaster throws up new challenges and provides insights into the vulnerabilities even in areas that are considered to be safe. Systems approach sees opportunities in these challenges to build resistance of the communities and transform areas resilient to disasters through innovation, redesigning, retrofitting, capacity building and social inclusion. Government of Tamil Nadu has been facing these challenges and each time

responds by adopting build back better philosophy in the rehabilitation and reconstruction projects. Taking into account the vulnerabilities being faced by Tamil Nadu the build back better strategies through systems approach will focus on different vulnerabilities such as urban floods.

9.3 Collaboration with International and Domestic NGOs

Greater Chennai Corporation has established partnerships through MoUs with international NGOs such as the Rockefeller Foundation funded 100 Resilient Cities, C40 and GIZ, the German Development Agency. These organizations have been supporting GCC's efforts to strengthen resilience building efforts across various projects. Most recently, GCC and 100 Resilient Cities launched the Chennai City Resilience Strategy in June 2019 which features over 80 actions and recommendations that address vulnerable communities, disaster preparedness and planned urbanization, among other issues. GCC has also been collaboratively working with Chennai City Connect, a local NGO, on restoration of waterbodies.

9.4 Command and Control Centre

Command Control Centre is an integrated place for analysing, planning and decision making to deliver secure & healthy environment to citizens. Smart governance through Command and Control Centre (CCC) will improve delivery of services to citizens, businesses and will engage citizens in the process of governance through interaction.

CCC aims to provide a comprehensive view of all the smart initiatives undertaken by Authority with the focus to serve as a decision support engine for city administrators in day-to-day operations, and during disaster management situations. Major components part of the Command and Control Centre implementation are as follows.

- Command and Control Centre in Ripon Building
- Smart Data Centre Solution – Hosted on Cloud
- Smart Sensors for rainfall, environment and flood monitoring across Chennai
- Variable Messaging Board
- City Surveillance System & Disaster Management System
- Mobile Command & Control Centre
- Smart Poles with Pubic Announcement Systems and Emergency Call Box

- ICT based Smart Solid waste/bin management system
- Integration of Smart Parking system
- Laying & Commissioning of Fibre Network for connecting sensors

9.5 Storm Water Drains

In order to prevent flooding in the city, Greater Chennai Corporation maintains the Stormwater drain network to a total length of 3041 km. Besides, this, Greater Chennai Corporation also maintains 44 canals for a total length of 81 km, which includes Kodungaiyur Canal, Captain Cotton Canal, Padikuppam Canal and other canals.

In accordance with the policy of Greater Chennai Corporation to provide infrastructure facilities to the extended areas on par with the core Chennai city, for avoiding water inundation by safe disposal of rainwater, integrating the available tanks and lakes for disposal of the rainwater, rainwater harvesting and recharging of ground water and improvement in overall hygiene for sound health, the Greater Chennai Corporation has prepared a Detailed Project Report for Kosasthalaiyar, Cooum, Adyar and Kovalam Basin for the length of 1069.40 km of Integrated Stormwater Drain network.

In first phase, Construction of Integrated Stormwater drain in Adyar and Cooum basins, have been completed to a length of 406 Km under World Bank fund under Tamil Nadu Sustainable Urban Development Project (TNSUDP). 7 lakhs people living in Ambattur, Valasaravakkam and Alandur areas have been benefitted.

As far as Construction of Integrated Stormwater Drain in Kovalam basin in M1,M2 & M3 components has to be taken up for a length of 360 Km under KfW fund the German Development Bank. Peoples living in Thoraipakkam, Perungudi, Pallikaranai, Palavakkam, Injambakkam, Karapakkam and Madipakkam Palavakkam, Kottivakkam, Neelangarai, Injambakkam, Sholinganallur, Kanathur and Uthandi are benefitted.

The construction of Integrated Stormwater Drain Network in Kosasthalaiyar Basin to a length of 769 km in Greater Chennai Corporation under Asian Development Bank (ADB) have been taken up and work is in progress. Peoples living in Ambattur, Manali ,Madhavaram and Thiruvotriyur are benefitted.

Further as per the suggestions made by flood monitoring IAS Officers and as per DPR prepared by the consultant appointed by TNUIFSL Stormwater drain works have been taken up in core Chennai City in 527 locations under CMCDM and Smart City Fund, for prevention of stagnation of rain water.

Further Government of Tamil Nadu has allocated Rs.25 crore under TURIP fund for demolition and reconstruction of the major dilapidated Arch drains of Konnur High Road and Egangipuram canal and for the construction of Stormwater drain in the surrounding areas to a total length of 4.18 km and all the Stormwater drain works have been completed after carrying out the resettlement of the 370 slum families encroached over the Arch drain in the TNSCB tenements.

Government has Constituted an Advisory Committee for the management and mitigation of floods in Chennai metro on 21.06.2021 headed by Dr. V. Thiruppugazh IAS. Retired, Former Additional Secretary / Advisor, NDMA comprising of experts from IIT Bombay, IIT Madras, NRSC, Town and Contry planning organisation, New Delhi, Anna University, WRD, CMWSSB, CRA, CMDA, Department of Environment.

The Advisory Committee submitted the first interim report to Government on 03.01.2022 and second interim report on 17.05.2022.

As per the recommendations in interim report, Government of Tamil Nadu has announced the special fund for flood mitigation works. Based on the recommendation of the committee new projects are taken up for flood mitigation works under various funds such as Singara Chennai 2.0 phase I, Singara Chennai 2.0 phase II, I and A fund, Flood relief fund, etc.,

9.6 Rainwater Harvesting

A critical resilience solution, rainwater harvesting is the accumulation and storage of rainwater for reuse on-site, rather than allowing it to run off. Tamil Nadu is a pioneer in implementing the rainwater harvesting programme in the country. The state was one of the first states in India to make installation of rainwater harvesting structures mandatory for both old and new buildings. This success story of Chennai can be replicated throughout the country as the city's residents have ensured that rainwater is stored rather than adding to the Stormwater drains. Greater Chennai Corporation and Chennai Metropolitan Water Supply and Sewerage Board have taken steps to strengthen rainwater harvesting across the city.

Restoration and Rejuvenation of Mambalam Canal

Restoration and rejuvenation of Mambalam Canal with retaining walls at required places, landscaping on the vacant lands available on both sides of the canal and provision of interventional modular STPs at various vantage points, adopting new initiatives like floating wetlands etc., will benefit the adjoining area, will give an appealing look to Chennai City.

9.7 Maintenance of Waterbodies and Urban Lakes

There are 210 waterbodies in Chennai city.

Waterbodies / Urban lakes are an intrinsic part of the urban ecosystem. They have tradionally served the function of meeting water requirements of the people for recharging of ground water, preventing water logging and flooding in neighbourhood. For centuries, these waterbodies played a vital role in ensuring water security to Chennai and its surrounding areas. Now, there is an urgent need to review these waterbodies and rejuvenate their ecosystem, thereby ensuring sustainable water security.

Out of the 210 waterbodies, Restoration of 198 Waterbodies have been complited under various funds such as Smart city fund, Capital fund, CSR fund, and CMCDM fund, Namakku namme thittam, Singara Chennai 2.O fund. Restoration of 5 waterbodies have been taken up under AMRUT scheme and works are in progress. Eco restoration of Kadapakkam Lake has been taken up under GEF grant of ADB and works are in progress. Additional Improvemets to 39 water bodiers have been taken up at an estimate amount of Rs.126.40 crore under Capital fund.Works are in Progress.

Villivakkam Tank which is of 25.5 acres is being taken up for eco restoration and rejuvenation at a cost of Rs. 45 crore.This will serve as big water holding tank for Villivakkam and also will house lots of recreational activities apart from relieving water stagnation at Sidco Nagar area. This is taken up with Smart City Fund.

On completion of all these projects additional 1 TMC of water would be stored in these waterbodies and will recharge the groundwater table and also relieve the water stagnation in neighbourhood areas.

9.8 Maintenance of Canals

Greater Chennai Corporation is maintaining 44 canals for a length of 81 km. 2 Amphibian Vehicle,4 robotic excavators and 3 mini Amphibian vechicles are deployes for desilting of the canals, removal of water hyacinth, rank vegetation, floating materials on rotation basis. Due to this the carrying capacity of the canals has been increased there by Stormwater flow capacities of canals are enhanced. Further Improvement works including construction of flood protection of retaining wall for 44 canals have been taken up at an estimate amount of Rs.281.77 crore for ensuring freee flow of rain water.works are in progress

. 9.9 Urban Floods – A Comprehensive Plan for Chennai

A comprehensive plan for Chennai and peri-urban areas to address the recurring water stagnation, vulnerability in these areas is being prepared. The various mitigation measures that will be implemented are detailed below

9.9.1 Comprehensive Flood Protection to Minimize Risks in Greater Chennai and its Peri-urban Areas

The rapid urbanisation of Greater Chennai and peri-urban areas falling in the neighbouring Districts of Kancheepuram and Thiruvallur has created huge stress on the existing urban infrastructure and also necessitated the creation of infrastructure anew in the pockets of urbanisation. One of the adverse consequences of the rapid urbanisation is the change in land use pattern resulting in a situation where new colonies have sprung up on a massive scale in the erstwhile farmlands and waterways of the innumerable waterbodies, that dot the landscape of Chennai, Kancheepuram and Thiruvallur Districts. Greater Chennai and its peri-urban areas are spread over an almost flat terrain along the coastal plains, having an average altitude of only 4.00m to 6.00m above Mean Sea Level. The entire surface runoff drains into the Bay of Bengal only through the outlets namely, Ennore creek on the north, Cooum and Adyar river mouths in the centre and Kovalam creek in the south. The drainage network behind the above outlets formed with natural flood bowls like Ennore backwaters, Pallikkaranai marshland and Muttukadu backwaters spread over tidal flats and vast areas of floodplains along the natural rivers, are no longer able to render their functions due to the changes in the land use induced by rapid urbanisation and industrial needs resulting in inundation in the upstream areas. The discharging capacities of the abovedischarging outlets are also under severe

stress due to shrinking of the width of the creeks/river mouths and inlets that pass through the marshlands, as a consequence of multiple factors that include

1. Encroachments,
2. Siltation,
3. Change in land use pattern,
4. Existence of naturally formed ecologically sensitive shoals within the creek,
5. Sedimentation due to littoral movements,
6. Accumulation of garbage along the waterways and
7. Increased tide level during extreme weather condition.

The new land use pattern has not only thrown up several challenges for the urban planners but also threw new challenges for disaster management. These new challenges get pronounced during the monsoonal periods since several buildings have been established in the many of the waterbodies, waterways, floodplains and farmlands. Coupled with the rapid urbanisation, the emergence of industrial establishments in the flood bowls and floodplains resulted in disruption of the erstwhile drainage system in the watersheds of the four major rivers traversing the three districts of Chennai, Kancheepuram and Thiruvallur. The disruption of the drainage system has compounded the fragility of the ecosystems such as creeks and marshlands impacting the flood mitigating service rendered by these ecosystems. The mitigation measures proposed to avert flooding problems in the newly developed areas include

1. Delineation of the flood-prone areas in the fringes of flood bowl and in the flood plains and evolving suitable method for draining the run-off from these areas by constructing flood walls on the boundary of flood bowl /rivers and collection wells for Stormwater with suitable pumping mechanism to drain the water into the river system.

2. Forming link canals and diversion canals for discharging surplus of tanks into the river system wherever feasible.

3. Where roads have been formed in the erstwhile waterways, cut and cover conduit system will be adopted to ensure proper drainage.

4. Installing decentralized incinerators to dispose the generated garbage effectively instead of the routine practice of dumping those (landfills) in the waterbodies.

The Greater Chennai city and its urban neighbourhoods are spread over the river basins of Kosasthalaiyar, Cooum, Adyar and Kovalam which are connected through the Buckingham Canal formed parallel to the coast in the tidal flats. This system also functions as a unique system for draining surface run off from the isolated water sheds sandwiched in the above 4 basins through the river mouths viz., Ennore creek, Cooum river mouth, Adyar river mouth and Kovalam creek. All these systems will be treated holistically to mitigate the risks for which detailed estimates are being prepared and taken up in a phased manner. The financial requirement is expected to be about Rs.2800 crores.

9.9.2 Integrated Cooum River Eco-Restoration Plan

The Eco-restoration activities (60 subprojects) for a 27.33 km stretch of the river between Paruthipattu and the river mouth are under progress. The stretch of Cooum River in the urban and peri-urban areas of Chennai is being rehabilitated and restored by implementing Cooum River Eco-Restoration Project in which the following works are under progress through the line departments namely PWD, GCC, CMA, DRD, CMWSSB and TNSCB under the coordination of CRRT:-

1. Desilting, demarcation and fixing boundary stones and bio-metric survey and improvements to the river like forming inner canal, providing rip rap cover for the inner canal with Geo textile fabric base, providing coconut blanket on the river banks to prevent erosion.

2. Solid waste removal, fencing, boom deployment for collecting and removing floating and suspended debris, developing parks, cycle tracks and walkways

3. Solid waste removal, fencing and developing parks

4. Laying interceptors, installing modular sewage treatment plants and UGSS

5. Resettlement and Rehabilitation Plan

6. Mangrove development, flora plantation, community education programmes and monitoring of project implementation.

By implementing the above scheme flood risk mitigation, environmental enhancement and ground water potential improvement are assured. The restoration works were started in 2016 and the Government has accorded Administrative Sanction of Rs 604.77 crores for the short-term phase of the project.

9.9.3 Adyar Basin

9.9.3.1 Ecological Restoration of Adyar Creek and Estuary – 358 acres (Phase I & Phase II)

The Government of Tamil Nadu conceived an ambitious and pioneering project in wetland conservation for the restoration of 358 acres of Adyar creek and estuary. Phase I included restoration activities such as removal of solid waste, increase in tidal interaction and planting of native species of plants which were undertaken in 58 acres of Adyar creek. This area is called Adyar Eco Park. After the completion of restoration activities, this wetland has undergone a remarkable transformation with a sizeable increase in faunal diversity and tidal interaction. The Eco Park today functions as a Centre for Environmental Education and Research Activities. To impart knowledge on the environment to the community, particularly for school children, regular environmental education programmes are being conducted in Adyar Eco Park. The restoration of the Phase II Adyar Creek and Estuary (300 acres) was initiated in 2014. To enhance the tidal interaction and to increase the water spread in the degraded creek debris and sludge were removed along with the removal of exotic and invasive species like Prosopisjuliflora, followed by bund stabilization. About 35,000 mangroves and 50,000 terrestrial saplings have been planted. All the project activities have now been completed in total and regular maintenance work is being carried out.

9.9.3.2 Phase III Adyar River Restoration from Origin to Mouth

The Adyar River has been under heavy anthropogenic disturbance for a very long duration and is highly degraded. The Eco-restoration plan for the entire 42 km stretch of the river from Adhanur lake to the River mouth has been prepared and the major components proposed are sewage management, solid waste management, river channel improvement, rehabilitation and resettlement, biodiversity management and riverfront development. The Government has accorded Administrative Sanction of Rs 555.46 crores in July 2017 for the short-term phase of the project.

9.9.3.3 Interlinking of Adyar River and Palar Basin

2015 December floods revealed that the stretch of Adyar River within Chennai urban limits is incapable of discharging the flood of magnitude exceeding 10-year

return period. In order to, minimize the risk due to the floods of higher return period, it is being examined the possibility of diverting the flood waters from the upper reaches of the Adyar River through a flood carrier canal with regulatory arrangements from the surplus channels of Sriperumbudur tank to Palar river by connecting the surplus courses of Pillaipakkam tank and Thenari tank (Neenjalmadavu) for which investigations are in progress.

9.9.3.4 Restoration / Formation of the Disrupted Links for the Connection of Minor Irrigation Tanks

The watershed of Pallikaranai marsh land situated in South Chennai Metropolitan limits is having a drainage area of about 225 sq. km. in which 60 and more no. of medium and minor irrigation tanks are situated. Due to the changes in land use pattern for residential and industrial needs, the channels draining the surplus water of these tanks got disrupted. Hence, in order to convey the surplus water of the tanks safely into Pallikaranai marsh land a proposal for restoration / formation of the disrupted surplus channels with open channels, or closed conduits under the roads or combination of both depending upon the present land use is under consideration at a cost of about Rs.1000 crores. In order to avoid inundation in the low lying areas of Tambaram, Mudichur, Perukalathur areas in Adyar Basin, construction of Stormwater drain for 4400 meters at an estimated cost of Rs.14.5 crores is in progress under CRIDP 2016 – 2017 scheme through Highways and Minor Ports department. Similarly, in other urban areas in Adyar & Kovalam Basin adjoining Chennai, a proposal for forming Stormwater drains in areas under the jurisdiction of Highways, Rural Development, Municipal Administration and Town Panchayats is contemplated by the respective departments at an estimated cost of Rs.230 crores. The Greater Chennai Corporation will develop integrated Stormwater drains in the extended areas.

9.9.3.5 Integrated River Restoration for Buckingham Canal, Kovalam & Ennore

To ensure that the river restoration is holistic and comprehensive three separate studies have been commenced for the preparation of DPR for plugging of outfalls, interception and diversion of sewerage, solid waste management and R&R in the major drains draining into the Adyar River and Buckingham Canal. The Ennore and Kovalam Creeks are highly sensitive ecosystems which play a very important part in the ecological, hydrological and social security of the local

inhabitants. Due to the burgeoning population in the Chennai Metropolitan Area, the Ennore and Kovalam Creeks are highly degraded by the disposal of wastewater from surrounding ULBs and industries. In this connection, Detailed Project Report (DPR) for Restoration of Ennore Creek and Kovalam Creek has also been initiated.

9.9.3.6 Master Plan for Waterways and Waterbodies in Chennai Metropolitan Area

The Government of Tamil Nadu has announced in the Assembly its plan to restore 42 waterbodies in CMA. Out of 42 waterbodies planned to be restored, CRRT has already completed the preparation of restoration plans for four lakes, namely Chetpet Lake, KilkatallaiEri, ZaminPallavaramPeriyaEri and Pallikaranai NarayanapuramEri. Therefore, the remaining 38 waterbodies are being identified for restoration. To this end, an inventory of tanks and lakes lying within the boundary of Greater Chennai Corporation and those lying outside the boundary of GCC, but within CMA was taken up. This survey identified 200 waterbodies within this area. For the 38 identified lakes, detailed conceptual plans have been prepared. For the remaining waterbodies, baseline data has been collected and detailed conceptual plans will be developed soon and the projects executed in the years to come.

9.9.4 Flood Mitigation measures in Urban areas of Kancheepuram and Thiruvallur Districts

Flood mitigation interventions in both districts will reduce the flood risk in Chennai.

The coastal district of Kancheepuram lies on the western and southern side of Chennai city which spreads over the river basins of Cooum, Adyar, Kovalam, Palar and Ongur. It's entire surface run of drains through rivers namely Cooum, Adyar, Kovalam creek, Ongur and Palar with its tributaries like Vegavathi, Cheyyar, Killiyar, Neenjal Maduvu and isolated independent water sheds of Pallikaranai and Perumbakkam Maduvu draining into sea through Buckingham canal. The rivers in Kancheepuram District are seasonal having floods during the period of heavy rainfall in Northeast Monsoon since the areas close to the coast in the river basins of Kancheepuram like Pallikaranai, Perumbakkam, Tambaram and the urban areas adjoining the rivers are highly prone to inundation during floods due to flat terrain with very low elevations.

The coastal district of Thiruvallur District lies on the western and northern parts of Chennai city which is spread over the river basins of Cooum, Adyar, Araniyar and Kosathalaiyar with its tributaries namely Nandhiyar, Nagariyar and isolated independent water sheds like OtteriNalla, Captain Cotton canal, Kodungaiyur, Redhills etc. draining into Kosathalaiyar through Buckingham canal. The rivers in Thiruvallur District are seasonal having floods during the period of heavy rainfall in Northeast Monsoon since the areas close to the coast in the above isolated water sheds like Manali, Madhavaram, Kolathur, Korattur, Ambattur, Redhills adjoining north Chennai and the urban areas adjoining the rivers are highly prone to inundation during floods due to flat terrain with very low elevations. In order to reduce the flood risk the following intervention in Kosasthalaiyar basin is being implemented and contemplated, among other interventions.

Poondi reservoir, Redhills and Cholavaram tank in Kosasthalaiyar basin are being rehabilitated for an estimated cost of Rs. 10.46 crores under Dam Rehabilitation Improvement Project with World Bank assistance which will also minimise flood risk in North Chennai besides formulating emergency action plan for their flood regulation. It is proposed to desilt to a depth of 1.5 meters in about 50% of the water spread area of the three water model which will minimise flooding problems in the peri-urban areas of North Chennai and also improve the Chennai water supply position during the drought periods. It is also proposed to form sub-surface storage structures in the peri-urban areas of Chennai in Kancheepuram, Thiruvallur and other Districts to reduce flooding problems and also to improve the Ground Water potential by desilting 34 nos. of tanks deeply below the sill level of their sluices for an amount of Rs.20.51 crore.

9.10 Prioritizing Afforestation

The Vardah Cyclonic Storm which made landfall on 12.12.2016 with a wind speed of120-130kmph, created a sea of devastation. 17,157 trees were uprooted on the roads and 1,478 trees were uprooted in 304 parks. Greater Chennai Corporation has taken sincere efforts to improve the green cover in Chennai City.

GCC had appointed a technical consultant M/s Care Earth Trust Private Ltd., to prepare a plantation strategy. The main scope of this work was to identify the methodology and evolve strategies to increase the green cover in Chennai City and also to identify species which can survive in the local environmental conditions

(Native Trees). As part of this strategy, 23000 tree saplings were planted in Chennai City during the financial year 2018-19 at an estimated cost of Rs. 5.29 Crore.

While restoring the tree cover, priority is accorded to the native species that are known to withstand high gusting winds, along with species that have been indigenized several centuries back. Exotic species that are easily uprooted during high winds will be avoided. Further during the current financial year 2019-20 it is proposed to plant 50,000 tree saplings Chennai City

9.11 Fire Accidents

Chennai is at a very high risk category for fire accidents. The analysis was borne out of assessing the population density, residential built-up area and Industrial areas in these districts. In order to enhance the preparedness of the Fire & Rescue Services Department, the Government of Tamil Naduhas been strengthening the department by procuring modern equipment which can play a significant role in dousing the fires quickly.The Fire Services Training Institute will also be strengthened in the years to come to build the capacity ofpersonnel of the department, as well as act as a nodal agency for building the capacity of First Responders in collaboration with Red Cross and other NGOs.

9.12 Bioshields

Natural disasters like cyclone, tsunami cannot be prevented, but its adverse impacts can be mitigated to a great extent by raising bioshields along the Coast. Bioshields are barriers raised perpendicular to the direction of the wind that is capable of protecting the coastal environment by absorbing the energy from wind, tide and wave action. The coastal sand dunes formed by the action of coastal wind have been stabilized by raising shelter belts. These natural barriers act against coastal disasters and thus protect lives and properties within the coastal zone. It was observed that the intensity of Tsunami was snapped up by a belt of green vegetation and some locations in the path of the 2004 “Indian Ocean Tsunami” escaped almost without damages.

Taking into account the potential of bio-shields in mitigating the risks of nature’s fury, the Government of Tamil Nadu will adopt an integrated approach in restoration and conservation of coastal ecosystems, to promote sustained livelihood and effective coastal protection. Coastal bio-shields besides offering long-lasting solutions are also cost effective. Ennore Creek and Adyar Estuary serve as bioshields.

Furthermore, rapid population increase and urbanization have resulted in increased levels of pollution in cities, towns and the surrounding sub-urban areas. Tree plantations are being raised in the urban and surrounding areas under Chennai's Plantation Strategy with the objectives of controlling the adverse effects of air, water and noise pollution and improving the aesthetic appearance of these areas and create more lung spaces.

9.13 Climate Change Adaptation Programme

Global warning and consequent climatic change will have deleterious impacts on a host of sectors and climate change induced disasters will be a major challenge for mankind in the years to come. The vulnerability is expected to be very substantial in coastal ecosystems and coastal communities requiring multi-sectoral interventions and multi stakeholder involvement. The Tamil Nadu State Action Plan on Climate Change (TNSAPCC) has identified inter alia, the following seven major vulnerable sectors,

- Agriculture
- Water Resources
- Coastal Ecosystems
- Forest Ecosystems & Biodiversity
- Habitat – Human as well as Animal
- Health
- Public infrastructure

Greater Chennai Corporation is already restoring waterbodies to adapt to the impacts of climate change. In the coming years, climate change adaptation will be one of the major focus areas.

9.14 Green Climate Fund (GCF)

The Green Climate Fund (GCF) was adopted as a financial mechanism of the UN Framework Convention on ClimateChange (UNFCCC) to assist developing countries in adaptation and mitigation practices to counter adverse effects of climate change. The Department of Environment, the nodal agency for implementing the TNSAPCC in Tamil Nadu, will coordinate efforts with the concerned line Departments in consultation with the National Bank for Agriculture and Rural Development (NABARD) to submit proposals under GCF.GCC is considering the submission of a projectfor GCF funding.

9.15 Protection and Restoration of Ecosystems

Ecosystems besides providing essential service of maintaining bio-geo-chemical cycles are also extremely important due to the services rendered by them in flood, drought and other disaster mitigation. All the diverse ecosystems are vital for sustainable development. The Government of Tamil Nadu will endeavour to restore the different ecosystems that have been damaged and restore their vibrancy.

9.16 Conservation of Coastal and Marine Ecosystems

The marine and coastal ecosystems of Chennai are of utmost importance for the overall wellbeing of the region including supporting activities such as fishing, shrimp farming, saltpans, shipping and tourism. The most important ecosystems are the mangroves, estuaries, wetlands, marshes, etc. Despite their immense significance, these ecosystems are being rapidly degraded as a result of high population growth, unsustainable development, over-exploitation of natural resources, loss of habitat, loss of biodiversity, pollution and climate change. Therefore, there is an urgent need to conserve, protect and restore coastal and marine ecosystems, to secure back the multiple ecosystem services rendered by them. The Government of Tamil Nadu proposes to continue schemes for protection and conservation of important wetlands like Pallikaranai in 2017-18 and the coming years.

9.16.1 Eco-Restoration of Interface Ecosystems

The interface ecosystems are very heterogeneous and include macrotidal estuaries, marsh lands, mangrove dominated wet lands, creeks, beach sands etc. Theses ecosystems play a vital role ecologically through the multiple services rendered by them. They also help in flood mitigation and water absorption to recharge the aquifer. The State Government is committed to protecting the estuaries, wetlands, creeks & marshlands.

Pallikaranai Marsh Land a unique freshwater swamp located within the Chennai Metropolitan area situated in parts of Perungudi, Pallikaranai and Thoraipakkam villages of Kancheepuram districts will be reclaimed & restored. An area of 690.65 ha is under the control of Tamil Nadu Forest Department and a comprehensive scheme will be implemented over for a period of five years from 2017-18 with an outlay of about Rs.250 crores, for taking up various restoration activities like habitat improvement, protection, research, monitoring, publicity and awareness.

Conservation Authority Pallikaranai Marshland has been constituted to monitor all the activities.

The Government will also launch special programmes for restoration and protection of Ennore Creek.

9.17 Integrated Development of Vulnerable Areas

Disasters can wipe out years of development within minutes or even seconds as is the case during tsunami and earthquakes, within hours / days as in the case of cyclonic storms and over a prolonged period as in the case of as in the case of a creeping disaster like drought. The risks get accentuated in view of the extreme weather events, unplanned urban development, indiscriminate over exploitation of various ecosystems. Therefore, the integrated development of vulnerable areas will be achieved through special mitigation measures, mainstreaming disaster risk concerns into the sectoral schemes and convergence of different structural & non-structural schemes.

9.18 Multiple Accident Hazardous Unit

NAME OF THE COMPANY	NAME	CONTACTS	PRODUCTS/HAZARD
Balmer & Lawrie	Mr. Sriraman, HR Head	9360177113	Greases & Lubricants, Industrial Packaging, Leather Chemicals, Container division.Hazzords- sulphuricacid, phenyl crystal,
Chennai Petroleum Corp. Ltd.,	Mr. Arun kumar, Safety	9444015121	LPG, Motor Spirit, Superior Kerosene, Aviation Turbine Fuel, High Speed Diesel, Naphtha, Bitumen, Lube Base Petroleum Refinery, crude refening -wax, Flamable,
Cetex Petrochemicals Ltd.,	Mr. Bhaskar, HR	9789894433	SECONDARY butyl Alcohol (SBA) Methyl Ethyl Ketone (MEK), Fuel additives, Fire Hazzord-LPG
Indian Additives Ltd,	Mr. Rajadurai, HR	9840354881	Indian Additives Ltd - Manufacturer of bike engine oil, car engine oil & shuttering oil in Chennai, Tamil Nadu. Lubricate oil, ADDITIVES, HYDROGEN SULPHIDE H2S
Kothari Petro Chemicals Ltd,	Mr.Suresh, Safety Head	7299044604	Polybutene, Asphalt, rubber, lubricants, adhesives, cling wrap, stretch wrap, electrical cable Insulation, Paper Coating, ink
Madras Fertilizers Ltd,	MR. MD. Eshak, HR	044-25945211	Ammonia, urea and urea, complex fertilizers, Nitrogen, Phosperous NPK “Nitrogen, Phosphorus, and Potassium, Ammonia

Manali Petro Chemicals Ltd,	Mr. Saravanan, Safety	9445479343	Intermediates Products. Propylene glycol. Flexible and molded Polyols. Propylene oxide. Petrochemical. (Captive Power Plant)
Natco Organics Limited,	Mr. Punnarao, HR	7397375077	NATCO Pharma develops, manufactures and markets finished dosage formulations (FDF) and active pharmaceutical ingredients (APIs). Bulk Drug
SRF Ltd.,	Mr. Deenesh, Safety	9952372462	Technical textiles, engineering plastics, chemicals and packaging films manufacture of nylon cord fibers for tires
Supreme Petro Chem	Mr. Varadharajan K, HR	9841317087	Polystyrene grades Polystyrene grades
Tamilnadu Petroproducts Ltd	Mr.K. Vasantha kumar, HR	9840929602	Linear alkybenzene, epichlorohydrin, caustic soda, ammonium chloride, hydrochloric acid, compressed hydrogen, and sodium hypochlorite., Hydrochloric Acid, Byproduct, Data Sheet. Ammonium Chloride, Byproduct, Data Sheet. Sodium Hypo Chlorite Caustic Soda.Petrochemical
Coromandal International Ltd,	Mr. Kumar, HR	9840693370	Phosphatic Fertilisers, Crop Protection Products, Speciality Nutrients like Sulphur Pastelles, Water Soluble Fertilisers, Micro Nutrients and Organic Fertilisers.
IndianOil Corporation Ltd,	Mr. K.Visagam GM- (RC) marketing	9940554535	Crude oil, natural gas and petrochemicals
Kosancrisp (Makken)	Mr. Sivanesh, HR	9095751555	Innovation, engineering and machinery
Toshiba	Mr. Saravanan, HR	9840766641	Construction & Mining Machinery
Rajpetro Group	Mrs.Asha, HR	9176948080	Electrol, Rajol, Rajell, Rajprol, Rajwax, Kyros, Onwo, Zoomol, Transformer Oils | Process Oils & Gels | Lubricants, Petroleum Product Manufacturers
Pon Pure Chemicals	Mr. Subiaya, HR	8939978265	Chemicals manufacturing and distribution business
Piramal Health Care Ltd.,	Mr.Karthikeyan, HR	9840036230	Pharma Solutions.pharmaceuticals-oriented
Larsen & Toubro Ship Building Ltd.	Mr. Sripathy, HR	7200291137	Electrical & Automation, Construction & Mining Machinery

MFPL	Mr. Supriyaravishankar, HR	748800039	Hydro fluoric
KCP	Mr. Pandian, HR	9940452994	Cement, gear, pressure vessels
Basinbridge Gas Turbine Power Plant	N. Raguraman Safety officer incharge	9445857033	Power Plant

APPENDIX - I

Contacts

Sl.No.	Office	Contact No.
1	Chief Secretary	044 25671555
2	Secretariat EPABX	044 25665566
3	Revenue Department	25671556
4	State Relief Commissioner	28524981/ 28511593 /1070(Toll free)
5	Director General of Police	28448000 / 28447701
6	Commissioner of Police Control Room	23452359 / 320 / 380
7	Home Guards	9443312255 / 28446455 / 24463272
8	Collectorate, Chennai	25228025 / 9454/9444131090
9	Public Works Department	28410402
10	Highways Department	22351099 / 044-24330008
11	Fire & Rescue Services Department	28553101 / 28592101
12	IMD, Chennai	28271951 / 28246037
13	Indian Coast Guard	25391718 / 23460450
14	Fisheries	29510390 / 0406 / 0407
15	Greater Chennai Corporation Satellite Phone	8991119501
16	Commissionerate of Revenue Administration and Disaster Management Department Satellite Phone	8991122568

State Emergency Operation Center in CRA office	
Toll Free	1070
Land Line	044 - 28410540 / 541 / 544 044 - 28414550 / 28415551
Fax	28410577
E-mail	tnstateeoc1@gmail.com

NAME/DESIGNATION	OFFICE PHONE NO.
Hon'ble Mayor	044-25384438 044-25619300
Deputy Mayor Office	044-25382979 044-25619210

NAME/DESIGNATION	MOBILE NO.	OFFICE PHONE NO.
COMMISSIONER	9842042722	044-25381330 044-25619200
Joint.Commissioner (Health)	9445190996	044-25619336 044-25386386
Deputy Commissioner (R&F)	9445190995	044-25619306
Deputy Commissioner (Works)	9445190998	044-25384231 044-25619351
Deputy Commissioner (Education)	9445190997	044-25383693 044-25619205
Assistant Commissioner(GA&P)	9445190300	044-25619231 044-25303633
Chief Engineer (General, BRR, Town Planning, GIS)	9445190200	044-25383692 044-25619317
Chief Engineer(Mechanical / SWM)	9445190500	044-25619260
Chief Engineer(Quality Control, Parks & Playfields)	9445190734	044-25619471
Chief Engineer(Bridges)	9445190801	044-25619889
City Health Officer	9445190744	044-25303665 044-25619330
Senior Law Officer	9445190222	044-25619412
Revenue Officer	9445190742	044-25383614 044-25619370

NAME/DESIGNATION	MOBILE NO.	OFFICE PHONE NO.
Council Secretary	9445190226	044-25382357 044-25619323
Financial Advisor	9445190741	044-2533801
Veterinary Medical Officer	9445190746	044-25303657
City Medical Officer	9445190857	044-25619338 044-25619334
Addl.City Medical Officer	9445190858	044-25619653
Education Officer	9445190747	044-25619462 044-25619428
Superintending Engineer (Electrical)	9445190739	044-25619371
Superintending Engineer (Parks)	9445026061	044-25619620
Superintending Engineer (SWM / Mechanical)	9499956220	044-25619745
Superintending Engineer (Special Project)	9445190738	044-25619824
Superintending Engineer (Buildings)	9445190738	044-25619703
Superintending Engineer (Bridges)	9445190220	044-25619852
Superintending Engineer (SWD)	9445190732	044-25619318
Superintending Engineer (BRR)	9445190735	044-25619617

Office Regional Deputy Commissioner (North)

NAME/DESIGNATION	CONTACT NUMBERS
RDC (North)	9445025800, 044-25200025
Deputy Collector (Administration)	9962282509
Deputy Collector (L&E)	9445477658
Addl. GCC. Health Officer	9841250567
Chief Accountant Officer	9445026063
Superintending Engineer	9445467372

Regional Deputy Commissioner Office (Central)

NAME/DESIGNATION	MOBILE NO.
RDC (Central)	9445190150 / 044-26640224
Deputy Collector(Administration)	9445477660
Deputy Collector (L & E)	9445477659
Addl. GCC. Health Officer	9445026002
Chief Accountant Officer	9445026037
Superintending Engineer	9445190736

Regional Deputy Commissioner Office (South)

NAME/DESIGNATION	MOBILE NO.
RDC (South)	9445190100 044-24425982
Deputy Collector (Administration)	9445191439
Deputy Collector(L & E)	9444061790
Addl. GCC. Health Officer	9445026003
Chief Accountant Officer	9445026036
Superintending Engineer	9445190737

Emergency Contact Numbers

Institution	Contact Number
Police	100
Traffic Police	103
Ambulance	108
Fire Control	101
Ambulance of Fire Services Dept.,	102
Child Line	1098
Women Help Line	1091
Lions Blood Bank	28415959
Apollo Ambulance	1066
St. Johns Ambulance Association	28194630
Trauma Care Consortium	28150700
Government General Hospital	25305000
Government Kilpauk Hospital	28364951
Govt. Kasturba Hospital for Women	28545449
Institute of Child Health & Hospital	28191135
Government Royapettah Hospital	28483051
Government Stanley Hospital	25281347
Child Trust Hospital	42001800
Voluntary Health Service	22541972
Red cross	044-28554548
Blue cross	044-22354959 / 22300666 / 22300655

Contact details of the Officials at the Zonal level

Zone	Zone Office	Zonal officers	Executive Engineers	Assistant Health officers	Assistant Revenue Officers
Zone 1	04425993494, 9445190201	9445190001	9445190021, 9445190102	9445190061	9445190081, 9445467332
Zone 2	04425941079, 9445190202	9445190002	9445190022, 7200129107	9445190062	9445190082
Zone 3	04425530427, 9445190203	9445190003	9445190023 9710915272	9445190063	9445190083
Zone 4	04425951083/199 9445190204	9445190004	9445190024, 9445190940	9445190064	9445190084, 9790797999
Zone 5	04425206655, 9445190205	9445190005	9445190025, 9445190461	9445190065	9445190085, 9445071039
Zone 6	044-26741802 044- 26749990 9445190206	9445190006	9445190026, 9445190038	9445190066	9445190086,
Zone 7	04426253331, 9445190207	9445190007	9445190027, 9445194759	9445190067	9445190087, 9444576365
Zone 8	044-26640078, 9445190208	9445190008	9445190028, 9445190122	9445190068	9445190088,
Zone 9	04428170738, 044-28174775 9445190209	9445190009	9445190029, 9445190864	9445190069	9445190709
Zone 10	04424838968 , 044-24801959 9445190210	9445190010	9445190030 9445191466	9445190070	9445190090
Zone 11	04424867725, 044-24867054 9445190211	9445190011	9445190031	9445190071	9445190091
Zone 12	04422342355, 9445190212	9445190012	9445190032, 9445190037	9445190032,	9445190092
Zone 13	04424425961, 04424425963 9445190213	9445190013	9445190033, 9841278118	9841278118, 9445190033	9445190093
Zone 14	04422420600, 9445190861 9445190214	9445190014	9445190034,	9445190034	9445190094
Zone 15	04424500923, 9445190215	9445190015	9445190035, 9555191480	9445190035, 9445191480	9445190095

Other Contact Numbers

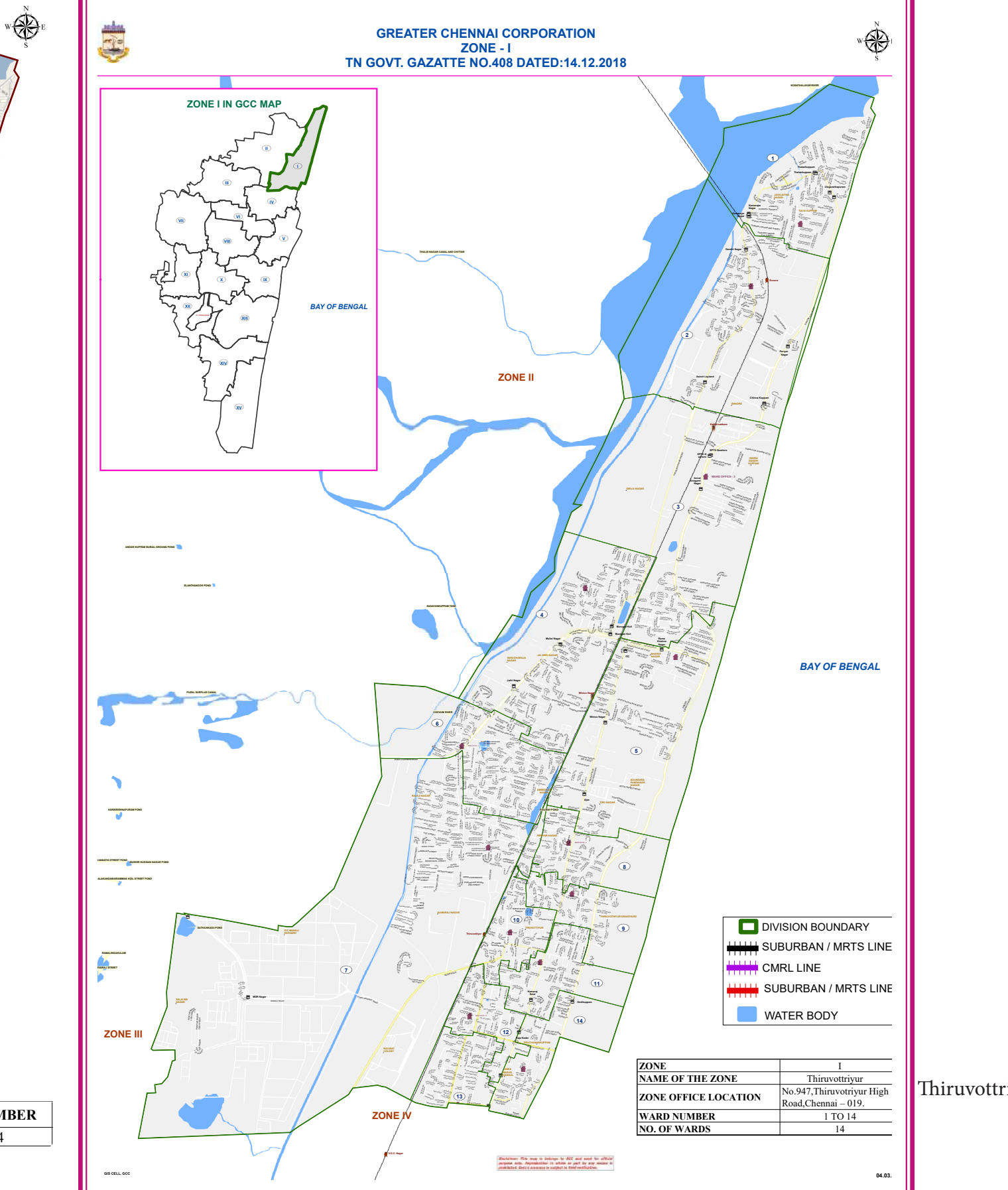
Institution	Contact Number
Highways Directorate	044 - 22351066
TANGEDCO	1912 / 044 - 28514955 Whatsaap - 9445850829
CMWSSB	044 - 45674567
Chennai Metro Rail	044 - 23792000 1860 - 425 - 1515

ZONE - I

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ZONE 1 - WARD BOUNDARY



ZONE	I
NAME OF THE ZONE	Thiruvottriyur
ZONE OFFICE LOCATION	No.947,Thiruvotriyur High Road,Chennai – 019.
WARD NUMBER	1 TO 14
NO. OF WARDS	14

Thiruvottriyu

NUMBER
O 14

Profile

The Thiruvottriyur zone lies in **Latitude 13.15616°, Longitude 80.30145°** covering an area of **28.51 Sq.km**.

There are 1600 roads, out of which 1591 roads to a length of 220.02 Km are Interior Roads, 6 Roads to a length of 7.34 Km are Bus Route Roads maintained by GCC and the remaining 3 roads are under the maintenance of Highways department and 2 roads are under NHAI.

The population is about 3.50 lakhs that has Male population of 50.25% and Female population of 49.75 % in this zone. The most densed area in the zone is Sathyamoorthy nagar with a population of 32,289 and the least is Thiruvottriyur Kuppam with a population of 16769. The Ward wise population of the zone is given below,

Sl.No.	Ward. No/Name	Total House Holds	Total Population
1	Sathyavani muthu nagar	6379	24716
2	Kathivakkam	4557	23918
3	Annai Sivagami nagar	10703	29203
4	Ernavoor	5993	20256
5	Wimco nagar	5112	22892
6	Sathyamoorthy nagar	7457	32289
7	Ramasamy nagar	7473	26553
8	Periyar nagar	6010	17185
9	Thiruvottriyur Kuppam	4239	16769
10	Maatu mandai	7782	21236
11	Kaladipet North	5441	18212
12	Kaladipet South	5653	26458
13	Sathma nagar	6139	21689
14	Thiruchina Kuppam	1153	21954
	Total	**82868**	**323330**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	1 to 14	9445467010
2	Zonal officer	1 to14	9445190001

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation, jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-1 & U-2	9445194727
2	Executive Engineer-2	U-2 A & U-3	9445190021
3	Assistant Executive Engineer	U-1 (1 to 4)	9445190101
4	Assistant Executive Engineer	U-2 (5 to 7)	9445190102
5	Assistant Executive Engineer	U-2A (8 to 10)	9176177232
6	Assistant Executive Engineer	U-3 (11 to 14)	9445190103
7	Additional Divisional Engineer, Electrical	1 to 14	9445190041
8	Assistant Executive Engineer, Mechanical	1 to 14	9445190493

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward. No.	Office Mobile Number
1.	Assistant Executive Engineer (SWM)	1 to 14	9445467361
2.	Conservany supervisor	1 to 4	9445191401
3.	Conservany supervisor	5 to 9	9445191402
4	Conservany supervisor	10 to 14	9445191403

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl.No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone I	9445190061
2	Veterinary Surgeon	Zone I	9789905318
3	Entomologist	Zone I	9941627096
4	Sanitary Officer	1to 4	9444090150
5	Sanitary Officer	5to 9	VACANT
6	Sanitary Officer	10to14	9445190681
7	Zonal Medical Officer	Zone 1	9791108904
8	Medical Officer	2/KathivakkamUPHC	9884883403
9	Medical Officer	3/ErnavoorUPHC	9840180603
10	Medical Officer	4/KuppamUPHC	7871843316
11	Medical Officer	11/ThiruvottriyurUCHC	9444818168
12	Medical Officer	11/ThiruvottriyurUPHC	6379498040
13	Medical Officer	12/SathangaduUPHC	8825785121
14	Medical Officer	14/ThnagalUPHC	9840591094

S.No	Ward No.	Name & Location of Hospital	Name of Medical Officer	Contact Number
1	2	Kattivakkam UPHC	DR.R.M.Geetha	9884883403
2	3	Ernavoor UPHC	Dr. M Vengatesh	9840180603
3	4	Kuppam UPHC	Dr.R.M.Subhashini	7871843316
4	11	Thiruvottriyur UPHC	Dr.Vijayalakshmi	6379498040
5	11	Thiruvottriyur UCHC	Dr.J.Princy	9444818168
6	12	Sathangadu UPHC	Dr.Ragini	8825785121
7	14	Thangal UPHC	Dr. Paavai Nandhini	9840591094

Parks

There are 7 Parks available in Thiruvottriyur zone . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445071070	Telescopic tree cruner-3, Chain saw tree cutting machine-8	Ward (1 to 14)

1	1	Thazhankuppam Slum Board Quarters, K.H road, Ennore
2	2	Ulaganathan park,Nehru Nagar Park Street, Ennore
3	3	Tsunami Quarters Park-2, AIR Nagar, Ennore
4	3	Tsunami Quarters Park-4, AIR Nagar, Ennore
5	3	TNUHDB Land Park 1
6	3	TNUHDB Land Park 2
7	3	TNUHDB Land Park 3
8	3	TNUHDB Land Park 5
9	3	TNUHDB Land Park 6
10	3	TNUHDB Land Park 7
11	3	TNUHDB Land Park 8
12	3	TNUHDB Land Park 9
13	3	TNUHDB Land Park 10
14	3	TNUHDB Land Park 12
15	3	TNUHDB Land Park 13
16	3	TNUHDB Land Park 14
17	3	TNUHDB Land Park 15
18	3	TNUHDB Land Park 16

19	5	Hansa Garden Park / Ajax TVT
20	5	Sakthipuram Park, Srirangam new town, Ernavoor, Chennai-57
21	5	M/s.MRF Limited Ennore Express Road, Thiruvottriyur
22	5	Wimco Co -Operative Housing Society, Sakthipuram 2nd Street
23	7	Glass Factory road Near Balakrishna Nagar, Thiruvottriyur
24	7	Hansa Gems Park
25	7	Ashok Avenue Park
26	7	Sathangadu Land
27	7	Balakrishna nagar park land
28	11	Shanmuganar Park, Thiruvottriyur high road, Chennai-19
29	11	Slum Tenement park, OSR Land Ellaiamman koil street, Thiruvot-triyur
30	11	State Bank colony children's park land
31	14	Thiruchinakuppam TNUHDB OSR land

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are six pumping stations available in Thiruvottriyur Zone with average capacity of 1.4 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	South Mada street	1.80	20 HP-1, 15 HP -1
2	Kilijoshiyam nagar	2.00	60 HP-1
3	K.R.Ramasamy nagar	0.80	10 HP-1
4	Periyamettupalayam	0.80	7.5 HP-1
5	Sadayankuppam	0.80	10 HP-1
6	West mada street	2.40	30 HP-1
	Total	**8.6**	**7**

Tamilnadu Urban Habitat Development Board

There are 5 TNUHDB tenements in Thalankuppam, Tsunami quarters, Ellaiamman koil street, Village street & Thiruchinakuppam with a population of 30719. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers are as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are as given below,

S.No.	Ward No.	Tenement location	No. of tenement	Population
1	1	Thalankuppam	468	2110
2	3	Tsunami quarters	5440	22400
3	9	Village street	336	1546
4	11	Ellaiamman koil street	480	2400
5	14	Thiruchinakuppam	492	2263
		Total	7216	30719

Contact details

Department	Designation	Area	Contact No.
Conservancy/ GCC	Conservancy Supervisor	Thalankuppam	9445191401
Conservancy/ GCC	Conservancy Supervisor	Tsunami quarters	9445191401
Conservancy/ GCC	Conservancy Supervisor	Village street	9445191402
Conservancy/ GCC	Conservancy Supervisor	Ellaiamman koil street	9445191403
Conservancy/ GCC	Conservancy Supervisor	Thiruchinakuppam	9445191403
Water Sup-ply& Sewage / CMWSSB	Area Engineer	Thalankuppam, Tsunami Quarters, Village street	8144930001
TNUHDB	Executive Engineer	Thalankuppam, Tsunami Quarters, Village street	9445074846

Water Bodies and Waterways

There is only one Canal passing in this zone **(1) Buckingham canal,** Maintained by PWD which touches the zone from Manali Basin Road and travels about 10.75 Km and joins sea at Nettukuppam.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 18.25 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Wards Covered	Name of the Canal	From	To	Length of Canal (Km)
1	1 to 7	Buckingham canal	Manali Basin Road	Nettukuppam	10.75

Other water bodies

Sl. No	Ward No	Name of other water bodies	Length / Area
1	7	Sathankadu Eri	3,12,000 m^2
2	10	Vadivudaiyamman Koil tank	7,631 m^2
3	11	Perumal koil tank	6,250 m^2
4	1	ThamaraiKulam pond	42,103 m^2
5	6	Jothi Nagar Pond near Vivekanan-da School	5950 m^2

ZONE 1 - WATER BODIES

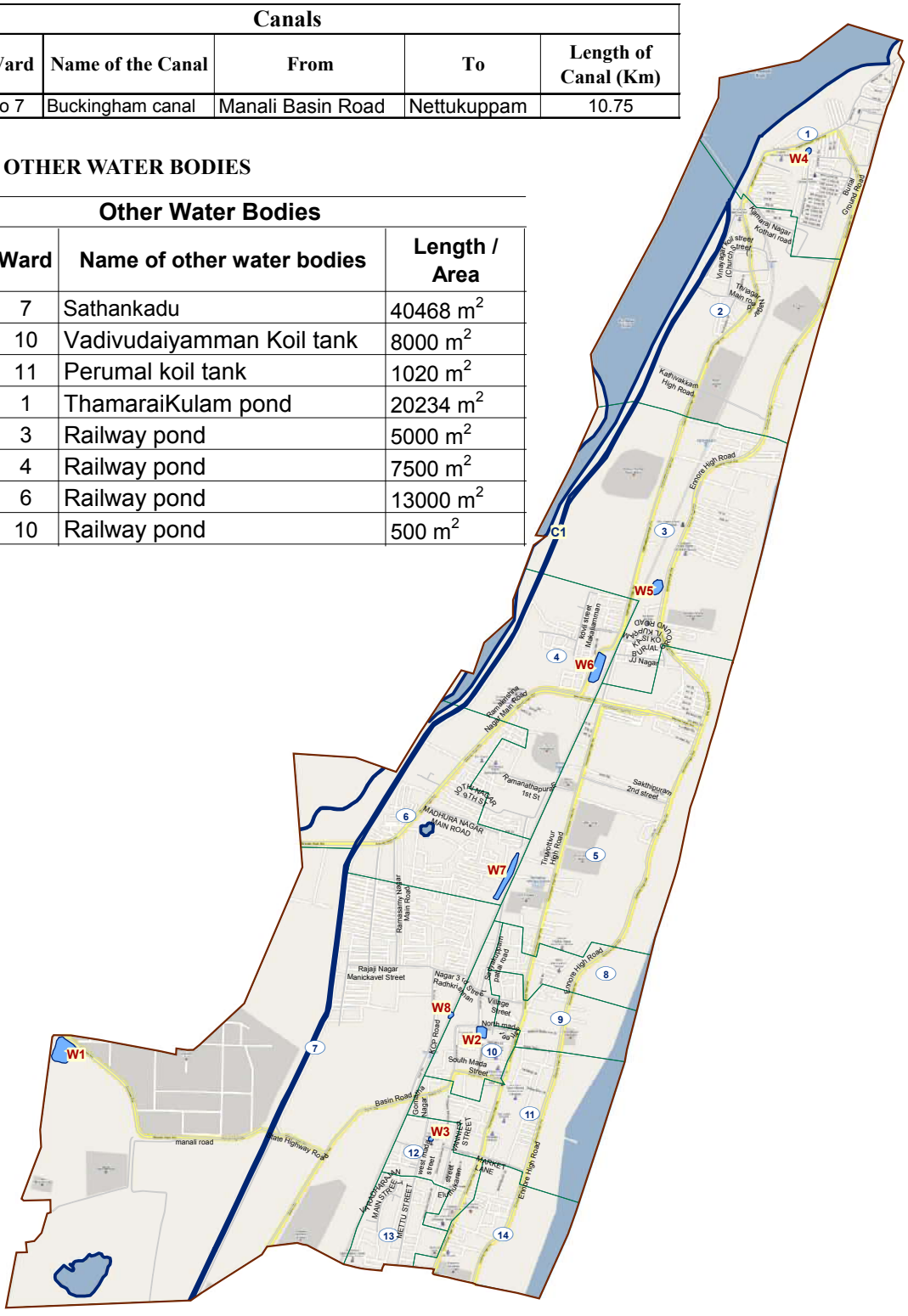
CANAL

Canals					
ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	1 to 7	Buckingham canal	Manali Basin Road	Nettukuppam	10.75

OTHER WATER BODIES

Other Water Bodies

ID. No.	Ward	Name of other water bodies	Length / Area
W1	7	Sathankadu	40468 m^2
W2	10	Vadivudaiyamman Koil tank	8000 m^2
W3	11	Perumal koil tank	1020 m^2
W4	1	ThamaraiKulam pond	20234 m^2
W5	3	Railway pond	5000 m^2
W6	4	Railway pond	7500 m^2
W7	6	Railway pond	13000 m^2
W8	10	Railway pond	500 m^2



Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

325 storm water drains to a length of 74.50 Km were constructed to ease the flow of rain water in Thiruvottriyur zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in 'm'
1	1	23	3994.63
2	2	16	3700.8
3	3	4	846
4	4	25	7323.97
5	5	8	5358.4
6	6	112	17972
7	7	92	18538
8	8	1	766
9	9	6	2090
10	10	10	4292
11	11	8	2789
12	12	10	2076
13	13	4	2203
14	14	6	2560
Total		**325**	**74509.8**

Water stagnated streets in the monsoon-2015 - heavy rain fall



Rajaji Nagar

During the last monsoon, 23 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015



Nandhi Odai

due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location are as below,

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	1	SVM Nagar	5 H.P Diesel	SVM Nagar 17th street	Ulaganathapuram drain
2	1	Ulaganadhapuram	6.5 H.P Diesel	Ulaganatha-puram 8th street	K.H road drain
3	1	Thazhankuppam	6.5 H.P Diesel	K.H road	K.H road drain
4	2	K.H . Road (Shopping Complex)	6.5 H.P Diesel	K.H road	K.H road drain
5	2	K.H . Road Bus stand	5 H.P Petrol	K.H road	K.H road drain
6	2	Railway station Road	5 H.P Petrol	Railway.Stn. Road	Valluvar nagar drain
7	3	Annai sivagami nagar	6.5 H.P Diesel	J.J Nagar	To sea
8	4	Manali Express Road	5 H.P	Manali Ex-press Road	'B' canal
9	5	T.H Road	6.5 H.P Diesel	Wimco nagar	MRF Drain
10	6	Kalainar Nagar	5 H.P Diesel	Kalaignar nagar 12th street	Kalaignar 9th street
11	6	Manali Road	-	-	Drain by gravity
12	6	Kalaignar Street	5H.P and 25H.p	Kalaignar nagar 9th street	Kalaignar Main road
13	7	Kargil Nagar	35 H.P Diesel	B canal Ser-vice road	'B' canal
14	7	Vetri Vinayagar Nagar	35 H.P	Anna nagar 1st street	Rajiv Gandhi nagar main road drain
15	7	Anna Nagar	6.5 H.P Diesel	Anna nagar 1st street	Rajiv Gandhi nagar main road drain
16	7	Rajaji Nagar	6.5 H.P Diesel	Sasthri street	'B' canal

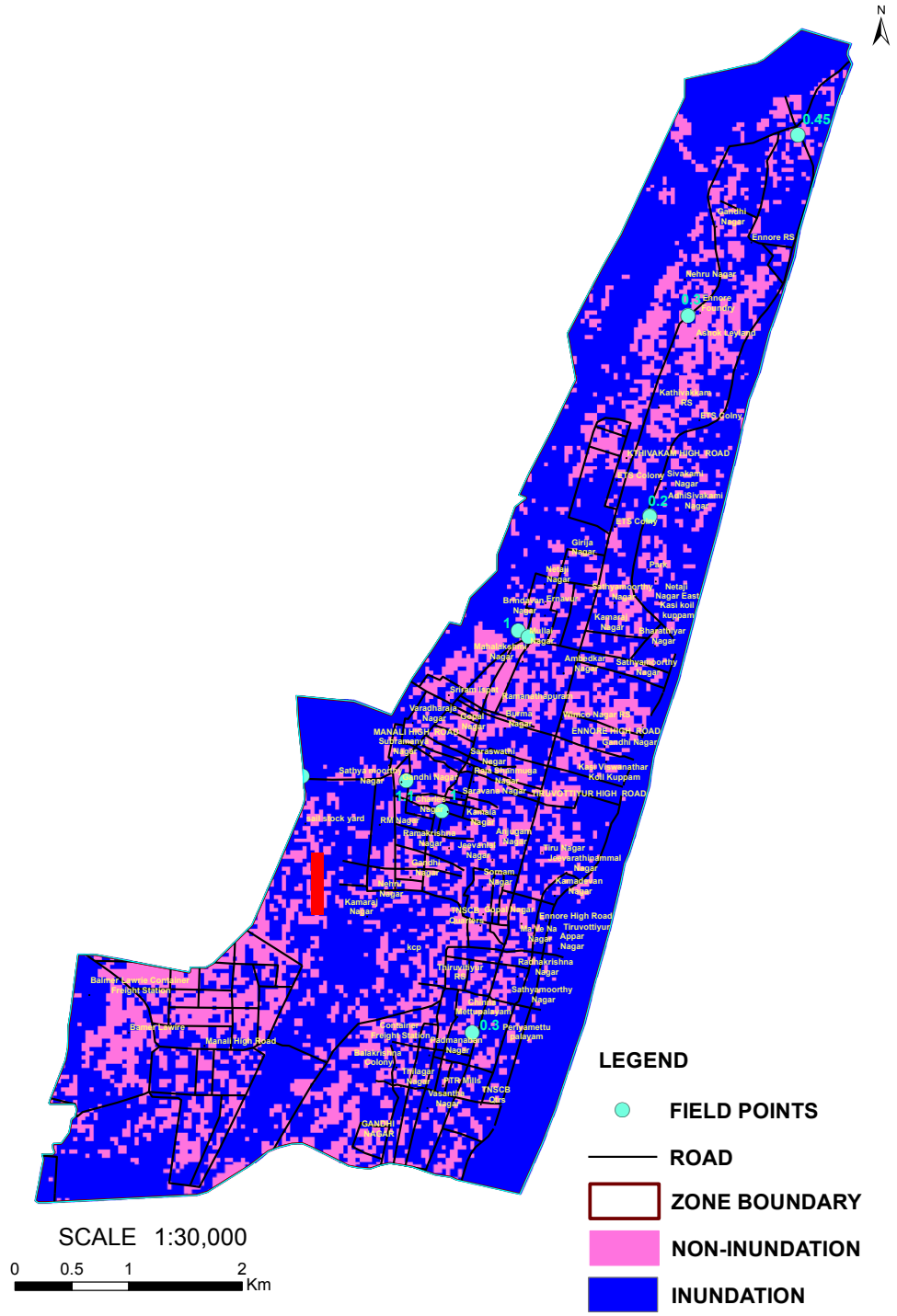
S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
17	7	Radhakrishna Nagar	6.5 H.P Diesel	Radakrish-nan nagar 4th street	Kargil nagar drain
18	9	Thiruvottriyur kup-pam	-	-	Drain by gravity
19	10	Nandhi odai Kup-pam	6.5 H.P Diesel	Railway track	Railway track
20	12	B.K.N Colony (police quarters)	5.0 H.P Petrol	Police quar-ters	1st street drain
21	12	Thilagar Nagar	5.0 H.P Petrol	Railway track	Main road
22	14	T.H Road	-	-	Drain by gravity
23	14	N.T.O Kuppam	-	-	Drain by gravity

Anna University has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

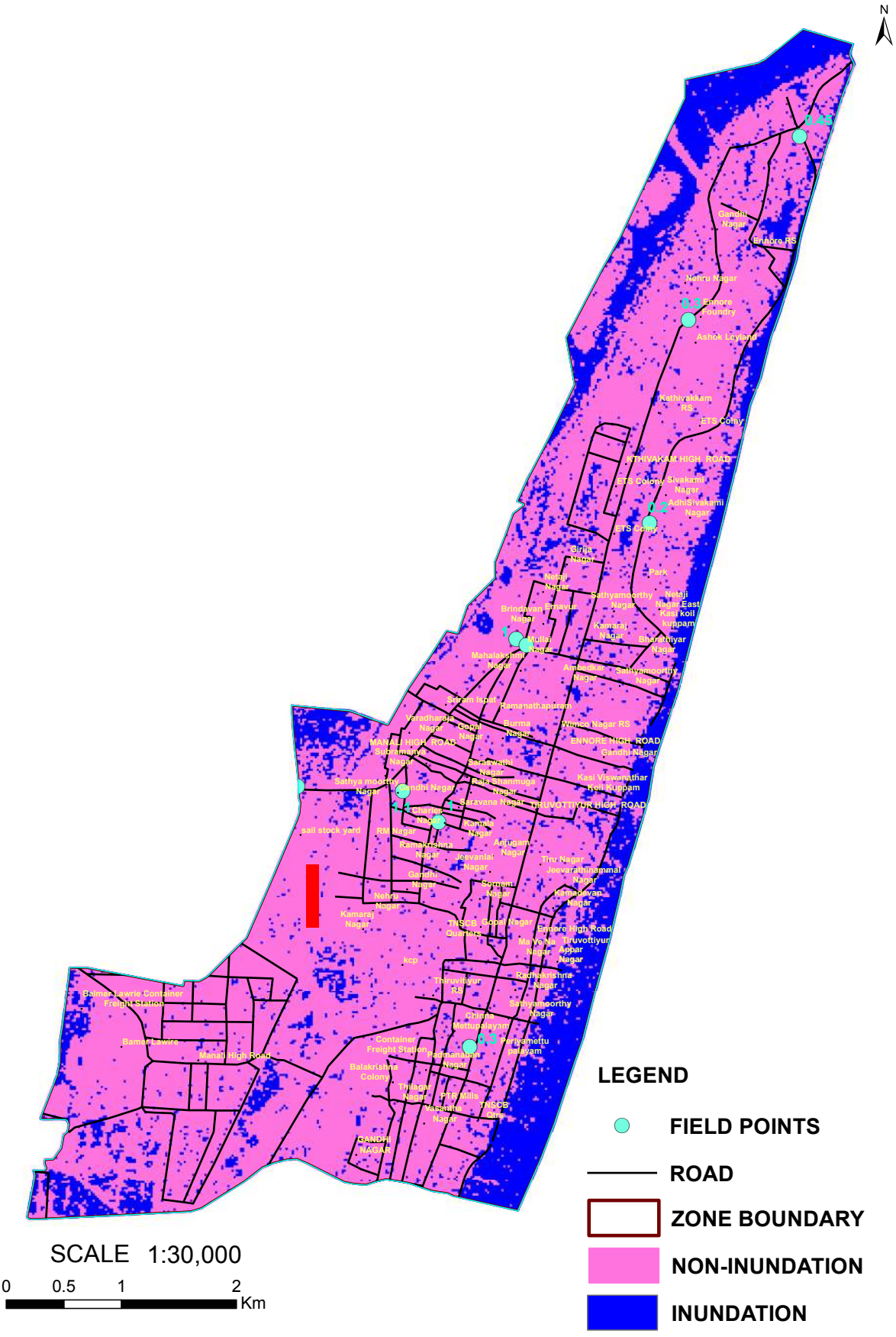
Water stagnated streets in the monsoon2015 - mild rain

S. No.	Ward	Name of the Street
1	1	SVM Nagar
2	2	K.H . Road (Shopping Complex)
3	3	Annai sivagami nagar
4	4	Mettu 4th cross street
5	6	Manali Express Road
6	7	Kargil Nagar
7	7	Vetri Vinayagar Nagar
8	7	Rajaji Nagar
9	10	Nandhi odai Kuppam
10	12	B.K.N Colony (police quarters)
11	12	Thilagar Nagar
12	14	T.H Road

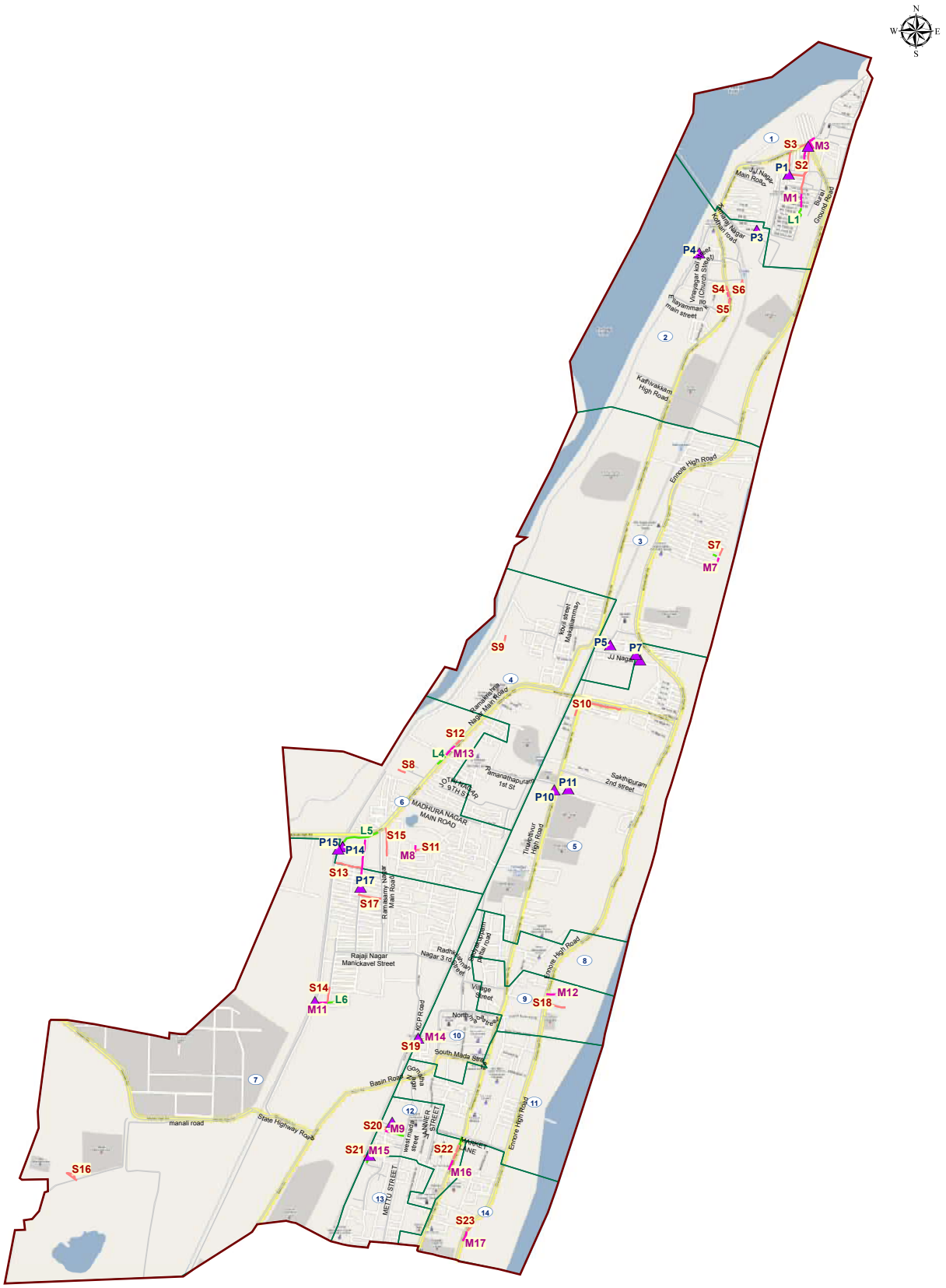
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE 1
ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Water stagnated streets in the monsoon 2015 - moderate rain

S.No.	ward	Name of the Street
1	1	SVM Nagar
2	1	Ulaganadhapuram
3	1	Thazhankuppam
4	2	K.H . Road (Shopping Complex)
5	2	K.H . Road Bus stand
6	3	Annai sivagami nagar
7	6	Kalainar Nagar
8	6	Manali Road
9	7	Kargil Nagar
10	7	Vetri Vinayagar Nagar
11	9	Thiruvottriyur kuppam
12	10	Nandhi odai Kuppam
13	12	B.K.N Colony (police quarters)
14	12	Thilagar Nagar
15	14	T.H Road

Stagnation of water in streets due to sewer blocks

Sl. No.	ward /Name	Name of the Streets	No. of manholes
1	13	Gandhi nagar	4
2	12	police quarters	1
		Total	5

Relief Centres

There are 12 relief centres to a total capacity of 2880 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
1	1	300	Govt. Higher Sec. School, Kathivak-kam	Thalankup-pam, Nettuk-uppam	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190301
								Food & Drinking water	Assistant Revenue Officer	9445190081
2	2	200	CMS, Nehru nagar, Ennore	Sweepers colony, Val-luvar nagar, south lock road	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190302
								Food & Drinking water	Assistant Revenue Officer	9445190081
3	3	200	CPS, AS Nagar	Annai Siva-gami nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025802
								Evacuation & Relief Materials	Assistant Engineer	9445190303
								Food & Drinking water	Assistant Revenue Officer	9445190081
4	4	300	CPS Maha-liaman koil school st, Ernavoor	A.D Colony	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025805
								Evacuation & Relief Materials	Assistant Engineer	9445190304
								Food & Drinking water	Assistant Revenue Officer	9445190081

Sl. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
5	5	200	Jayagopal Garodiya Govt. Hr. Sec. School, T.H.Road.	Palagai thotti kuppam	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025805
								Evacuation & Relief Materials	Assistant Engineer	9445190305
								Food & Drinking water	Assistant Revenue Officer	9445190081
6	6	600	Ready Made School, Raja Shan-mugam Nagar.	Raja shan-mugam nagar.	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025806
								Evacuation & Relief Materials	Assistant Engineer	9445190306
								Food & Drinking water	Assistant Revenue Officer	9445190081
7	7	300	Kalaimagal School, Saravana Nagar.	Saravana Nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025807
								Evacuation & Relief Materials	Assistant Engineer	9445190307
								Food & Drinking water	Assistant Revenue Officer	7904146342
8	8	100	Mahaveer jain School, T.H.Road.	Rettai malai srinivasan nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025809
								Evacuation & Relief Materials	Assistant Engineer	9445190308
								Food & Drinking water	Assistant Revenue Officer	7904146342

Sl. No.	Ward No.	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
9	9	200	Gowri Ashramam, T.H Road	Kargil Nagar & Rajaji Nagar	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025809
								Evacuation & Relief Materials	Assistant Engineer	9445190309
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
10	10	150	Poonthot-tam School, T.H Road	Nandhi odai & Sadayan kuppam vattai	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025810
								Evacuation & Relief Materials	Assistant Engineer	9445190310
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
11	11	150	CMS School, Market Lane.	Srini-vasapuram, B.K.N Colony	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9499934325
								Evacuation & Relief Materials	Assistant Engineer	9445190311
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342
12	12	180	St.Pauls school, Sathankad High Road	Gandhi Nagar 1-5 street	Yes	Yes	No	Sanitation, Medicine	Sanitary Inspector	9445025812
								Evacuation & Relief Materials	Assistant Engineer	9445190312
								Food & Drinking water	Assistant Revenue Officer	7010123899 7904146342

ZONE 1
EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

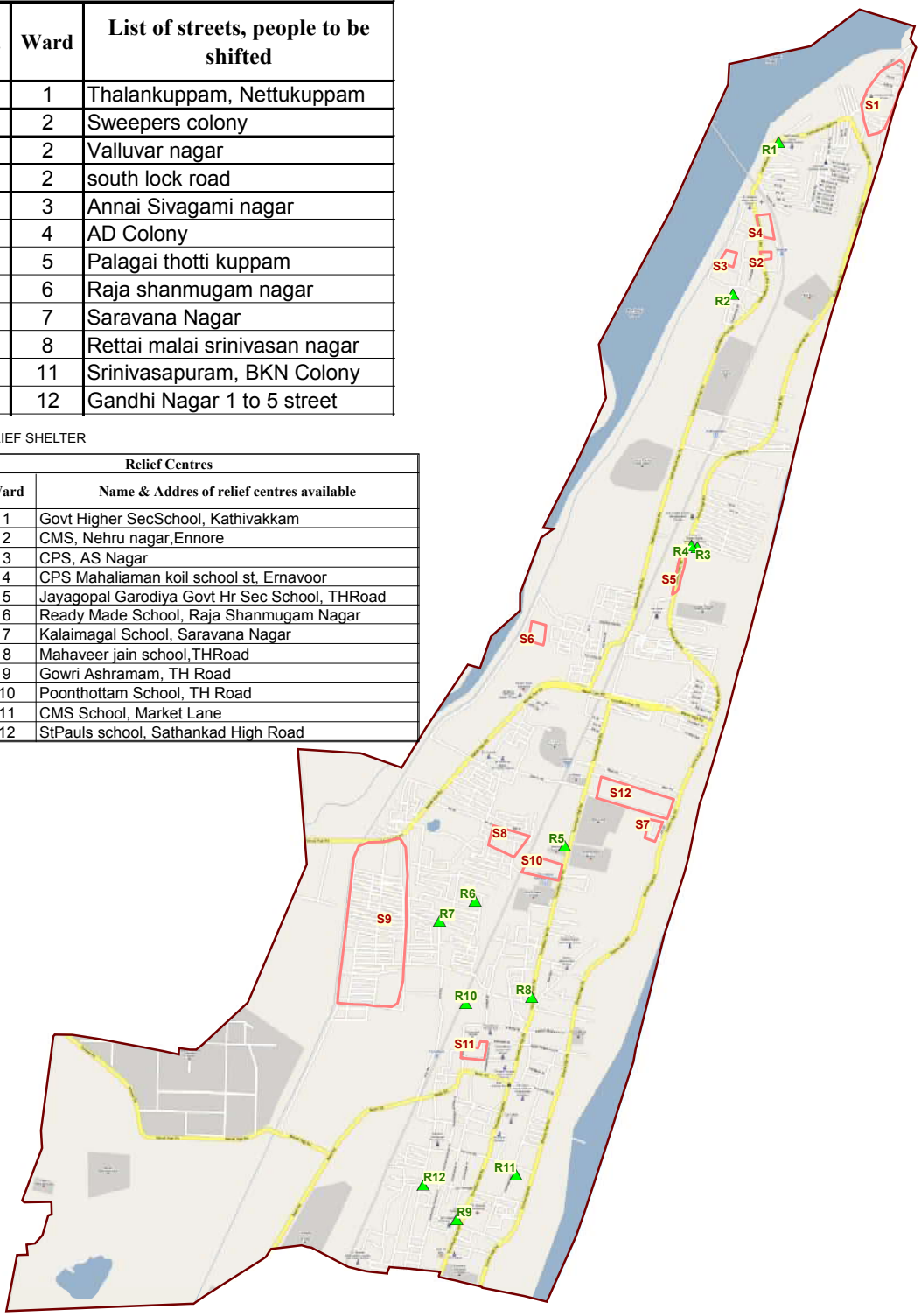
Street/Areas - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	1	Thalankuppam, Nettukuppam
S2	2	Sweepers colony
S3	2	Valluvar nagar
S4	2	south lock road
S5	3	Annai Sivagami nagar
S6	4	AD Colony
S7	5	Palagai thotti kuppam
S8	6	Raja shanmugam nagar
S9	7	Saravana Nagar
S10	8	Rettai malai srinivasan nagar
S11	11	Srinivasapuram, BKN Colony
S12	12	Gandhi Nagar 1 to 5 street

RELIEF SHELTER

Relief Centres

ID. No.	Ward	Name & Addres of relief centres available
R1	1	Govt Higher SecSchool, Kathivakkam
R2	2	CMS, Nehru nagar,Ennore
R3	3	CPS, AS Nagar
R4	4	CPS Mahaliaman koil school st, Ernavoor
R5	5	Jayagopal Garodiya Govt Hr Sec School, THRoad
R6	6	Ready Made School, Raja Shanmugam Nagar
R7	7	Kalaimagal School, Saravana Nagar
R8	8	Mahaveer jain school,THRoad
R9	9	Gowri Ashramam, TH Road
R10	10	Poonthottam School, TH Road
R11	11	CMS School, Market Lane
R12	12	StPauls school, Sathankad High Road



Subways

There is one subway at Manickkam Nagar in Thiruvottriyur zone for a Length of 135 m. The electrical pumps (5HP-2 & 1HPJet Motor-1) and diesel pumps (6.5HP -1) installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Ward/ Name	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 5, Manickkam Nagar subway	135	Railway pond	Electrical Pumps: 5HP-2nos, 1HP Jet motor -1 Diesel Pump:6.5HP-1



Manickkam Nagar Subway

Tree fall

During the last monsoon, in Thiruvottriyur zone totally 12 tree/branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	1	JJ nagar
2	2	Ellaiyamman koil street
3	3	Annai sivagami Nagar
4	4	Kathivakkam High Road, Shanmugapuram
5	5	Manickam Nagar, T.H Road
6	8	Otravadai Street
7	10	South Mada Street, Poonthottom street ground
8	12	Vasantham Nagar
9	12	Balakrishna naidu colony

Streets - water entered houses - do not require evacuation

During the last monsoon, 8 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 8 locations were inundated for more than a day by which the normal day to day activity of 4164 people were stand stilled. Flood water from these areas was cleared by using 4 pumps range of 6.5 H.P capacity. The identified vulnerable spots is as below,



KALAIGNAR NAGAR

Sl.No.	Ward/Name	Name of the area/ streets
1	4 Ernavoor	VP Nagar
2	6 Sathyamoorthy nagar	Sathyamoorthy nagar, Kalaignar nagar
3	7 Ramasamy nagar	Annamalai nagar, MGR nagar, Rajiv Gandhi nagar
4	12 Kaladipet South 13 Sathma nagar	Gandhi nagar, Srinivasapuram

Streets that require evacuation

During the heavy flood that occurred in 2015, in Thiruvottriyur zone 6500 people were evacuated from A.D Colony, Palagai thotti kuppam, Sathyamoorthy nagar and Kargil Nagar and they were accomodated in nearby schools and Ashramams. They were provided with basic amenities like accomodation, food and relief materials for more than 25 days. The details and location of relief centers are given below.



Vetri vinayagar nagar

Sl. No	Ward No. / Name	Streets	No. of persons	Years	Relief centre
1	4 Ernavoor	A.D Colony	300	2015	Mahaliaman koil school st
2	5 Wimco nagar	Palagai thotti kup-pam	200	2015	Road side temporary centre
3	6 Sathyamoorthy nagar	Sathyamoorthy nagar, TKP nagar	1000	2015	Chennai Middle School, Sathyamoorthy nagar
4	7 Ramasamy nagar	Kargil Nagar, Rajaji nagar, Vetri vinayagar nagar, Radakrishnan nagar	5000	2015	Gowri Ashramam
		Total	**6500**		

Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There are 20 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	1 to 3	Assistant Engineer	9445190901
2	4, 5 & 8	Junior Engineer	9445190904
3	6 & 7	Junior Engineer	9445190902
4	9 to 14	Junior Engineer	9445190903
5	1 to 14	Additional Divisional Engineer (Zone)	9445190041
6	1 to 14	Divisional Engineer (HQ)	9445190753

National Disaster Response Force (NDRF)

In Thiruvottriyur zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	7	Zonal Office 1 – Kargil Nagar

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



KARGIL NAGAR

Rescue Boats

Rescue operations during flood require the services of boats in the form of catamaran /rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	4	2 nos. of boats at AD colony to evacuate people using Boats during flood of 2015.	Vp nagar	AE -9445190304
2	6	2 nos. of boats at Sathyamoorthy nagar	Sathiyamoorthy nagar	AE -9445190306
3	7	4 nos. of boats at Kargil nagar	Kargil nagar	AE -9445190307

ZONE 1
EVACUATION AREA NDRF TEAM & BOATLOCATOINS

EVACUATION AREA

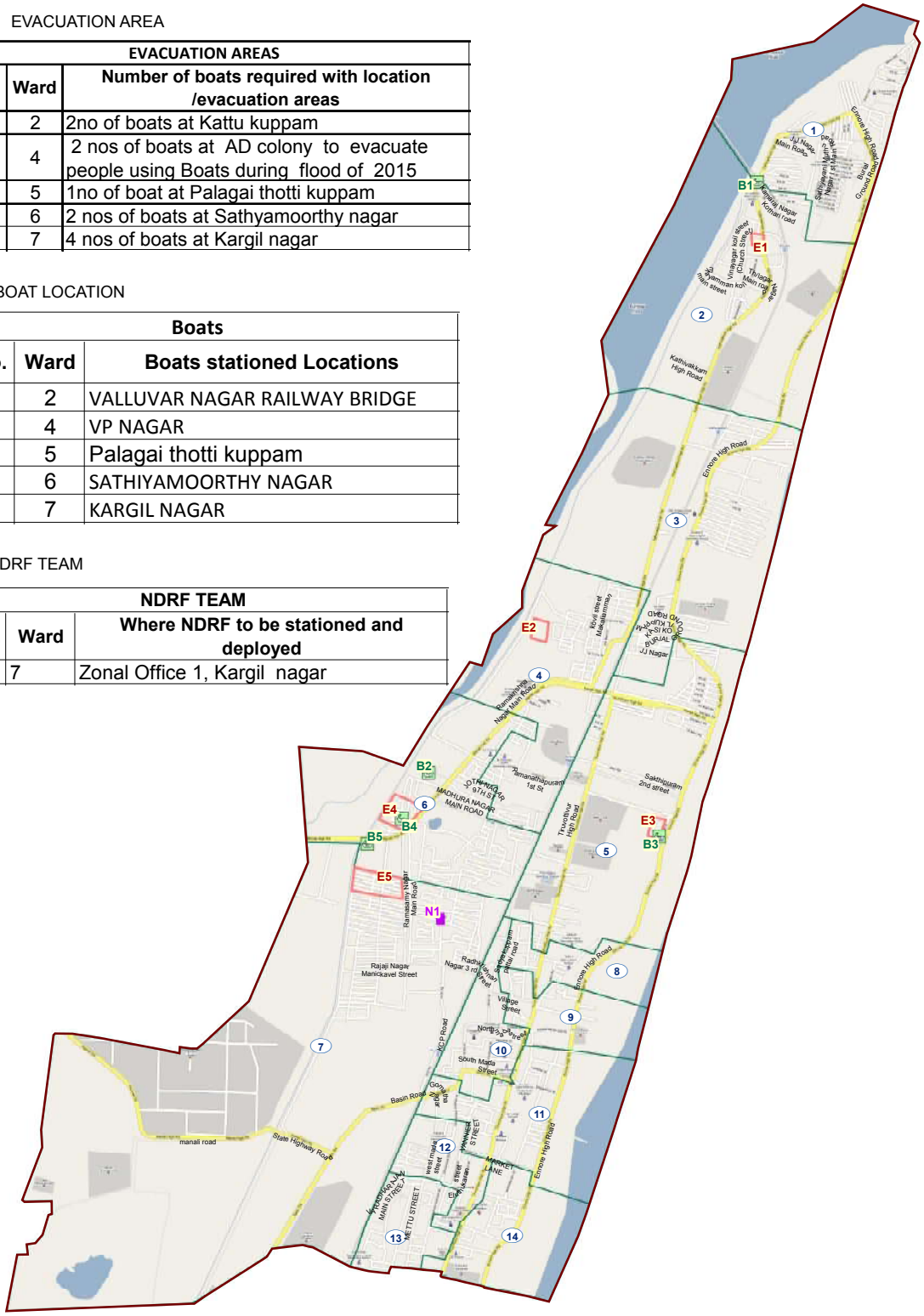
EVACUATION AREAS		
ID. No.	**Ward**	**Number of boats required with location /evacuation areas**
E1	2	2no of boats at Kattu kuppam
E2	4	2 nos of boats at AD colony to evacuate people using Boats during flood of 2015
E3	5	1no of boat at Palagai thotti kuppam
E4	6	2 nos of boats at Sathyamoorthy nagar
E5	7	4 nos of boats at Kargil nagar

BOAT LOCATION

Boats		
ID. No.	**Ward**	**Boats stationed Locations**
B1	2	VALLUVAR NAGAR RAILWAY BRIDGE
B2	4	VP NAGAR
B3	5	Palagai thotti kuppam
B4	6	SATHIYAMOORTHY NAGAR
B5	7	KARGIL NAGAR

NDRF TEAM

NDRF TEAM		
ID. No.	**Ward**	**Where NDRF to be stationed and deployed**
N1	7	Zonal Office 1, Kargil nagar



Transport Equipment/Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 4 debris lorries, 2 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available are given below

No. of lorries and type kept in readiness
Debris lorries - 4
Skid steer loaders (Bobcat) - 2
(Front end loader) JCB - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445467353	1	2	4-HMV	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

Nil

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –1

Ward councillor – 9445467001

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190301
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9445025802
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190501
GCC - Revenue	Tax Collector	9176372907
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930010
TANGEDCO	Assistant Engineer	9445850903
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9840397771
Police station	Inspector-M5	9498100235
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 2
Ward councillor – 9445467002

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190302
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9445025802
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190502
GCC - Revenue	Tax Collector	9176372907
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930901
TANGEDCO	Junior Engineer	9445850903
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9840397771
Police station	Inspector-M5	9498100235
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee –3
Ward councillor – 9445467003

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190303
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9445025802
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190503
GCC - Revenue	Tax Collector	9080683085
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930003
TANGEDCO	Junior Engineer	9445850903
BSNL	AssistantEngineer	9486106259
Fire service	Inspector	9840397771
Police station	Inspector-M5	9498100235
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 4

Ward councillor – 9445467004

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190304
GCC - Electrical	Assistant Engineer	9445190901
GCC- Health	Sanitary Inspector	9445025805
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190504
GCC - Revenue	Tax Collector	9080683085
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930004
TANGEDCO	Junior Engineer	9445850903
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9840397771
Police station	Inspector-M5	9498100235
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 5

Ward councillor – 9445467005

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190305
GCC - Electrical	Assistant Engineer	9445190904
GCC- Health	Sanitary Inspector	9445025805
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190505
GCC - Revenue	Tax Collector	9080057663
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930005
TANGEDCO	Junior Engineer	9445850902
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 6

Ward councillor – 9445467006

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190306
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9445025806
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190506
GCC - Revenue	Tax Collector	9940232311
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930006
TANGEDCO	Junior Engineer	9445850908
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-M8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 7

Ward councillor – 9445467007

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190307
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9445025806
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190507
GCC - Revenue	Tax Collector	9940232311
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930006
TANGEDCO	Junior Engineer	9445850908
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-M8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9443294419

Ward committee – 8
Ward councillor – 9445467008

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190308
GCC - Electrical	Assistant Engineer	9445190902
GCC- Health	Sanitary Inspector	9445025806
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190508
GCC - Revenue	Tax Collector	9380088607
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930008
TANGEDCO	Junior Engineer	9445850897
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 9
Ward councillor – 7200905993

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190309
GCC - Electrical	Assistant Engineer	9445910963
GCC- Health	Sanitary Inspector	9445025809
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190509
GCC - Revenue	Tax Collector	9283290636
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930009
TANGEDCO	Junior Engineer	9445850902
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 10
Ward councillor – 9445467010

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190310
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025809
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190510
GCC - Revenue	Tax Collector	9283290636
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930010
TANGEDCO	Junior Engineer	9445850902
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 11
Ward councillor – 9445467011

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190311
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025812
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190511
GCC - Revenue	Tax Collector	7418944436
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930011
TANGEDCO	Junior Engineer	9445850901
BSNL	Executive Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 12
Ward councillor – 9445467012

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190312
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025812
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190512
GCC - Revenue	Tax Collector	9840487866
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930012
TANGEDCO	Junior Engineer	9445850901
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 13
Ward councillor – 9445467013

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190313
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025813
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190513
GCC - Revenue	Tax Collector	9840487866
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930013
TANGEDCO	Junior Engineer	9445850901
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

Ward committee – 14

Ward councillor – 9445467014

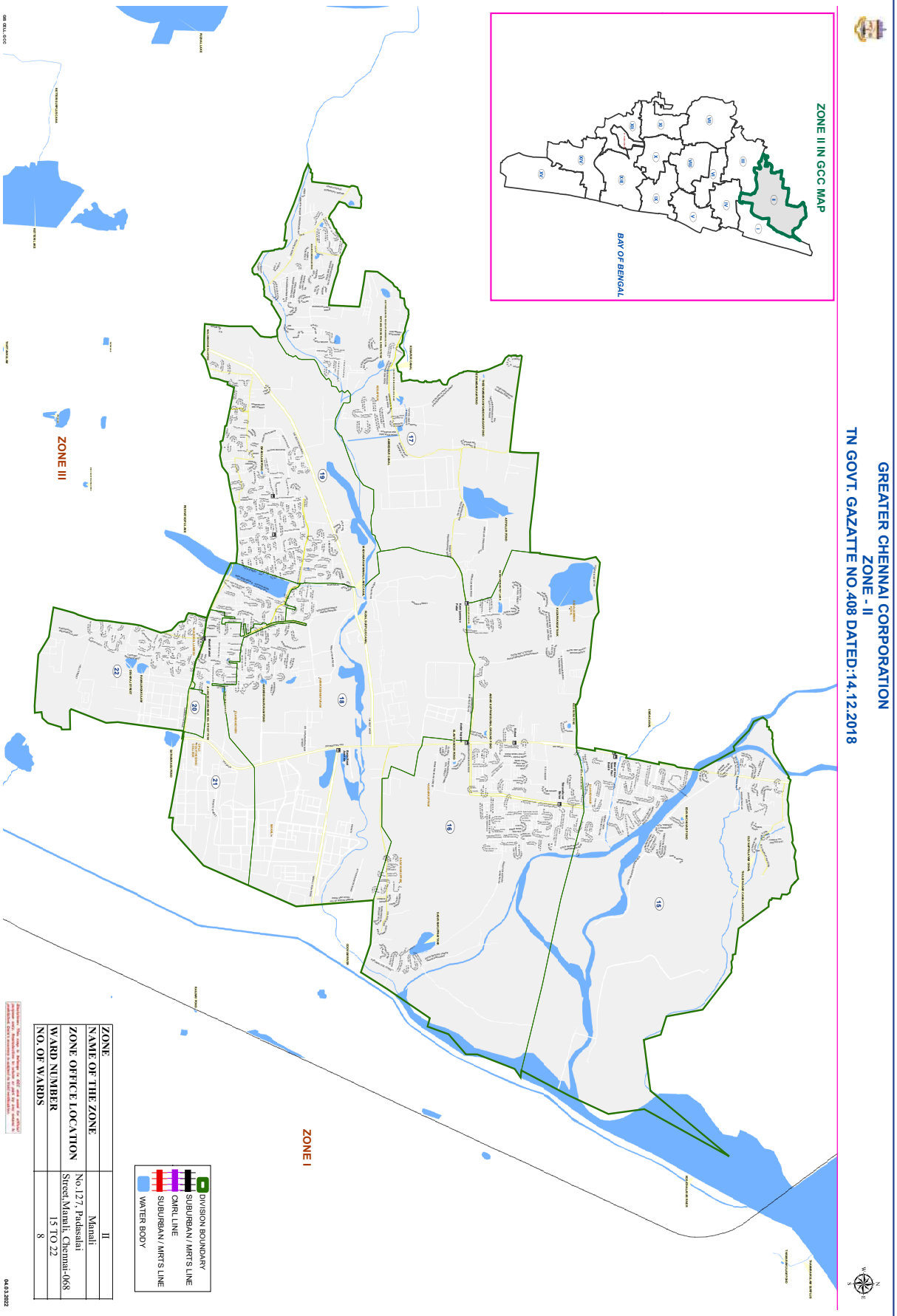
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190314
GCC - Electrical	Assistant Engineer	9445190903
GCC- Health	Sanitary Inspector	9445025813
GCC - Veterinary	Veterinary Assistant Surgeon	9787032116
GCC - Solid waste management	Conservancy Inspector	9445190514
GCC - Revenue	Tax Collector	7418944436
Revenue	Revenue Inspector	9786166726
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930014
TANGEDCO	Junior Engineer	9445850902
BSNL	Assistant Engineer	9486106259
Fire service	Inspector	9489220301
Police station	Inspector-H8	9498100229
PWD	Assistant Engineer	9444882585
TNUHDB	Assistant Engineer	9487077379
Highways	Divisional Engineer	9444294521

ZONE - II

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ZONE II - WARD BOUNDARY



Profile

The Manali zone have 8 divisions 15 to 22 lies in Latitude 13.166779°, Longitude 80.258308° and covering to an area of **43.93 Sq.km**

There are 1221 roads, to a length of 194.00 Km are Interior Roads, 13 Roads to a length of 13.1 Km are Bus Route Roads which are maintained by GCC and the remaining 6 roads are under the maintenance of Highways department and 3 roads are under TNRDC

The population is about 1.66 lakhs that has Male population of 52.23% and Female population of 47.77 % in this zone, the most densed area in the zone is MMDA Mathur with a population of 49230 and the least in Vadaperumbakkam with a population of 7550. The Ward wise population of the zone is given below.

Sl.No.	Ward. No/Name	Total House Holds	Total Population
1	15 Edayanchavadi	3915	32634
2	16 Andarkuppam	4111	23876
3	17 Vadaperumbakkam	2903	7550
4	18 Manali	3165	14474
5	19 MMDA Mathur	10923	49230
6	20 Manali	3127	14202
7	21 Manali	2465	11460
8	Old Dn – 29 New Dn - 22 Chinnasekkadu	**3800**	**12800**
TOTAL		**34409**	**166226**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by one Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	15 to 22	9444332834
2.	Zonal Officer	15 to 22	9445190002

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-4 & U-5	9445190022
2	Assistant Executive Engineer	U-4 (15,16,17)& SWM	9445190104
3	AssistantExecutiveEngineer	U-5 (18,20, 21& 22)& SWM	9445190105
4	AdditionalDivisionalEngineer (Electrical)	15- 22	9445190042

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Unit-4	9445191404
2.	Conservany supervisor	Unit-5	9445191405

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone II	9445190062
2	Zonal Medical Officer	Zone II	8248397644
3	Veterinary Surgeon	Zone II	9445026042
4	Junior Entomologist	Zone II	6380072987
5	Sanitary Officer	Unit-4	8072339289
6	Sanitary Officer	Unit-5	9383256574

Parks

There are 37 Parks available in Edayanchavadi, Andarkuppam, Vadaperumbakkam, Manali & MMDA Mathur, Chinnasekkadu. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	ParkOverseer 9445071064& 8608914685	8-Petroloperatortree cutting Saw 8-TelescopicTree Pruner , 1 - Sakthiman Vehicle	Manali

S.No	Ward	Name Of Park	Location of the Park
1	15	CPS-6	CPS-6 PARK AT MANALI NEW MANALI NEW TOWN BLOCK 54
2	15	CPS-7	MANALI NEW TOWN BLOCK NO 63 CPS-7
3	15	CPS-8	MANALI NEW TOWN BLOCK NO 65 CPS-8
4	15	CPS-9	MANALI NEW TOWN BLOCK NO 29 & 30 CPS-9
5	15	CPS-10	MANALI NEW TOWN BLOCK NO 26 CPS 10
6	15	Thulasi Nagar park	Thulasi Nagar in DN-15, Z-02
7	15	Ponniamman nagar park	ponniamman Nagar in DN -15, Z-02
8	16	TNHB Phase II Park	Park at TNHB Phase 2 Block 3
9	16	CPS-1	Manali New Town Block 134 &135 CPS-1
10	16	CPS-2	Manali New Town Block 100 &101 CPS-2
11	16	CPS-3	Manali New Town Block 90 CPS-3
12	16	CPS-4	Manali New Town Block 52 CPS-4
13	16	CPS-5	Manali New Town Block 78 CPS-5
14	16	Kanniammanpet Park	Kanniammanpet Park (New park)
15	16	RL Nagar Park	RL Nagar Div -16
16	16	Thanigai nagar park	Thaigai Nagar, Manali new town in Dn-16, Z-02
17	17	Thirupathi Devasthanam Park	Thirupathi Devasthanam Park
18	17	VS mani Nagar park	VS Mani Nagar Div-17
19	17	Vadarperumabakkam park	Puzhal union raod div-17
20	17	Thiyagi vishwanathadass Park	Thiyagi vishwanathadass Nagar in Div-17, Z-02
21	18	Vimalapuram park	PARK AT VADAPERUMBAKKAM
22	18	Nedunchezhiyan Street Park	Nedunchezhiyan Street
23	18	Vimalapuram Park	Vimalapuram 2nd Street

S.No	Ward	Name Of Park	Location of the Park
24	18	CPCL Park	CPCL 4th Street
25	18	CPCL Layout Park	CPCL Layout
26	18	Andarkuppam Park	Andarkuppam Redhills High Road
27	19	Lake View Park	Lake View Park
28	19	MMDA 34th Street Park	MMDA 34th Street
29	19	MMDA 2nd Main Road Park	MMDA 2nd Main Road
30	19	CPCL Layout, 3rd Main raod park	CPCL Layout, 3rd Main raod, junctin of Manali Kosappur High-ways & 200ft orad in Div-19, Z-02
31	19	CPCL Layout, 12th street park	CPCL Laout, 12th streeet Man-jambakkam in Div-19, Z-02
32	19	Gokulam park	Gokulam Street
33	19	MMDA 64th street park	MMDA 64th street in Div-19, Z-02
34	19	MMDA 71th street park	MMDA 71th street in Div-19, Z-02
35	19	MMDA 118th street park	MMDA 118h street in Div-19, Z-02
36	19	Bhuvaneshwary nagar park	Bhuvaneshwary nagar in div-19, Z-02
37	20	Chinna mathur Salai park	Chinn mathur Salai
38	21	Jalagandamariamman koil street park	Jalagandamariamman koil street
39	22	Devarjan street park	Devarajan street Chinnasekkadu div-22

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are three pumping stations available in Manali Zone with average capacity of 1.5MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps – condition
1	Sewage Pumping Station, Manali New Town	1.3 MLD	20HP sub - 1 15HP sub – 2 15Hp sub (spare) - 1
2	Mathur, MMDA Sewage Pumping Station	1.6 MLD	50HP Centrifugal pumpset - 1 20HP Centrifugal pumpset – 2 10HP Centrifugal pumpset - 1
3	Mathur, MMDA Sewage Pumping Station	1.6 MLD	20HPSubmersible pumpset-1
	Total	**4.5 MLD**	

Tamilnadu Urban Habitat Development Board

Construction of tenements at Manali new town phase - 1, 18 & 19th th Main Road in Div – 15 &16 , Zone – 02 (WorkCompleted) ,

Construction work under progress - Manali new town 15 th Main road Near Govt. Hospital , Manali new town 15 th Main road Near Chruch, Manali new town 150Feet road Near CMDA canal Disposable Pointin Div – 15 ,Zone - 2.

Water Bodies and Waterways

There are 2 rivers passing in this zone (**1) Kosasthalaiyar River** which originates from Old napalayam travels about 7.00 Km and disposes via Sadayankuppam B' canal **(2) Puzhal Surplus Water Way** which originates from Sumangali nagar travels about 6.00 Km and disposes via Chittar Sadayankuppam B' canal.

Rivers

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Kosathalaiyar River	15,16	Old napalayam	Sadayankuppam B' canal	7.00
2	Puzhal Surplus Water Way	16,17 , 18	Sumangali nagar	Sadayankuppam B' canal	6.00
Total					**13.00**

There are 12 Canals passing in this zone **(1) Thulasinagar canal** maintained by GCC which originates from Thulasinagar travels about2.2 Km in the zone and disposes via Chinnaru connection old Nappalayam to Edayanchavadi **(2) Old Nappalayam canal** maintained by GCC which touches the zone at Vellivoyalchavadi travels about 2.7 Kmin the zone and disposes through Kosasthalaiyar river **(3) CMDA canal** maintained by GCC which touches the zone at Vichur travels about 1.2 Km in the zone and disposes

through the Kosasthalaiyar river (4) **Chettimedu - Kosapur Canal** maintained by GCC which touches the zone at Kathakuzhi travels about 0.963 Km in the zone and disposes through Puzhal surplus **(5) Ambedkar canal** maintained by GCC which touches the zone at Vembuliammankulam travels about 1.20 Km in the zone and disposes through Puzhal Surplus water **(6) Periyarnagar - Sendrambakkam surplus canal** maintained by GCC which touches the zone at The eyambakkam gandhinagar travels about 0.795 Km in the zone and disposes through Ariyaklu lakeand **(7) CPCL canal** maintained by GCC which touches the zone at CPCL lay out connecting Chinnamathur -SRF travels about1.2 Km in the zone and disposes through Puzhal Surplus water. **(8) Toshiba canal** maintained by GCC maintained by GCC which originates from Andarkuppam redhils road travels about 2.54 Km in the zone and disposesviaPuzhal Surplus Water **(9) Manali express road** maintained by GCC which originates from IAL Company travels about 0.70Km in the zone and disposes via B - canal **(10) TPP Salai canal** maintained by GCC which originates from TPP Salai (CPCL Company) travels about 2.205Km in the zone and disposes via Puzhal Surplus Water **(11) Jaheerhussain Canal** maintained by GCC which originates from Police quarters travels about 1.445Km in the zone and disposes via Police quarters **(12)Velu Street to C Tex Canal** maintained by GCC which originates from Windrow premesistravels about 0.977 Km in the zone and disposes via C -tex.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by GCC in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 133.43 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Thulsinagar canal	15	Thulasi Nagar	Chinnaaru	2.20
2	Old Nappalayam canal	15	Vellivoyalchavadi	Kosasthalaiyar River	2.70
3	CMDA Canal - along 80 feet road	15	Vichur	Kosasthalaiyar River	1.20
4	Chettimedu - Kosapur Canal	17	Kathakuzhi	Puzhal Surplus Water	0.963
5	Ambedkar Canal(Earthern Canal)	17	Vembuli Amman Kulam	Puzhal Surplus Water	1.20

6	Periyarnagar - Sendrambakkam surplus canal (Earthen canal)	17	The eyambakkam gandhinagar	Ariyalur lake	0.795
7	CPCL CANAL - Connecting Chinnamathur road to 200'ft road SRF	18	Chinnamathur - SRF	Puzhal Surplus Water	1.20
8	Toshiba canal	18	Andarkuppam redhils road	Puzhal Surplus Water	2.54
	Total				**18.125**

Other water bodies

(a) Ponds

Sl No	Ward No	Name of other water bodies	Length / Area m^2
1	15	Edayanchavadi Vinayagar koil Pond	3240
2	16	Elanthanoor - Pond	1320
3	16	Burma Nagar Pond	600
4	16	Andarkuppam Village Pond	2000
5	16	Andarkuppam burial ground - Pond	600
6	16	Kulakarai - Pond	1710
7	16	Kanniamman pettai, Kanniamman Koil st - Pond	1800
8	16	Kamarajapuram - Pond	750
9	16	Sadayankuppam irular colony pond	4000
10	17	Vadaperumbakkam - Pond	2482
11	17	Vinayagapuram Burial Ground - Pond	3082
12	17	Vadaperumbakkam Samuvel nagar Burial Ground - Pond	2381
13	17	Kathakuzhi Burial Ground - Pond	5683
14	17	Kosapur Sree Vempuliamman koil kulam - Pond	6381
15	17	Kosapur Sree Chelliamman koil kulam - Pond	4382
16	17	Theeyambakkam - Pond	1632

17	17	Theeyambakkam Gandhinagar - Pond	4834
18	17	Chinna thoppu - Pond	4632
19	17	Chettimedu (Gnayiru Road) Near Sakthi amman koil - Pond	1362
20	18	Harikrishnapuram - Pond	1950
21	18	Gramma street pond	4500
22	19	Teachers Colony - Pond	2620.52
23	19	Masillamani Nagar - Pond	3595
24	19	Omakulam - Pond	6025
25	19	Kulakarai - Pond	2760
26	19	Ellatharasi Street pond , Manjambakkam	2689.05
27	19	Pillayar Koil Street pond, Manjambakkam	1263.6
28	19	Manjambakkam pond	1120.34
29	19	Kosappur Pond	6474.97
30	21	Thamaraikulam - Pond	6881
31	20	Poosanee kulam pond	2120
32	21	Jalakandamariamman Koil Street - Pond	2300
33	21	Vaniankulam Pond at Dr.Varatharajanar Street	1440
34	21	Sannathi street pond	3240
35	22	Devarajan street Ramalingakulam Pond	1097

(b) Lakes

Sl No	Ward No	Name of other water bodies	Length / Area
1	16	Kadapakkam Panchayath Lake	602981.61 GCC
2	16	Sadayankuupam Panchayath Lake	317500.00 GCC
3	17	Ariyalur Lake	60702.85 PWD
4	18	Amullaivoyal Lake	182109.00 GCC
5	19	Manjambakkam	91800 GCC
6	20	Manali	117358.836 TANUVAS

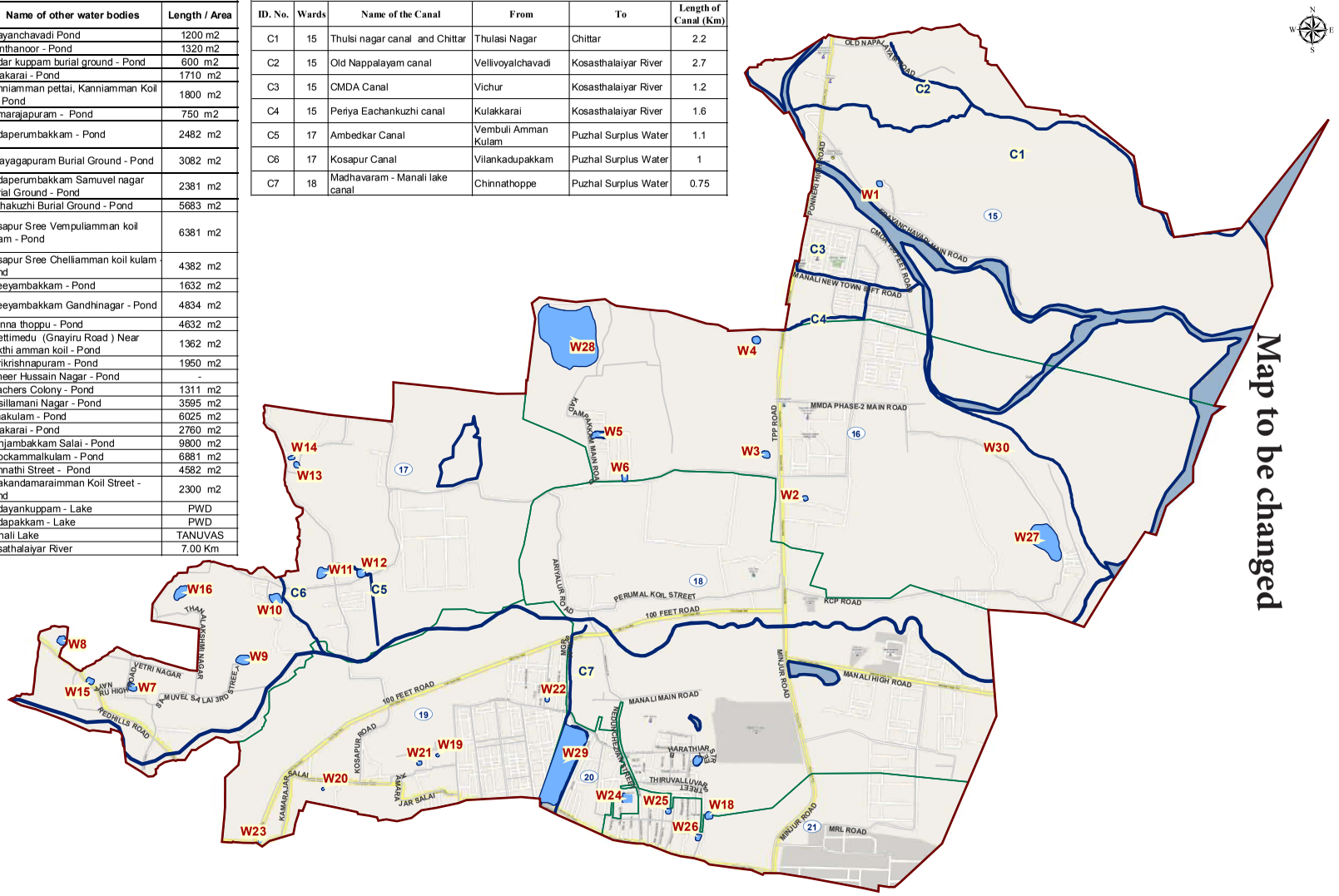
ZONE II - WATER BODIES

OTHER WATER BODIES

CANAL

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length / Area
W1	15	Edayanchavadi Pond	1200 m2
W2	16	Elanthanoor - Pond	1320 m2
W3	16	Andar kuppam burial ground - Pond	600 m2
W4	16	Kulakarai - Pond	1710 m2
W5	16	Kanniamman pettai, Kanniamman Koil st - Pond	1800 m2
W6	16	Kamarajapuram - Pond	750 m2
W7	17	Vadaperumbakkam - Pond	2482 m2
W8	17	Vinayagapuram Burial Ground - Pond	3082 m2
W9	17	Vadaperumbakkam Samuvel nagar Burial Ground - Pond	2381 m2
W10	17	Kathakuzhi Burial Ground - Pond	5683 m2
W11	17	Kosapur Sree Vempuliamman koil kulam - Pond	6381 m2
W12	17	Kosapur Sree Chelliamman koil kulam - Pond	4382 m2
W13	17	Theeyambakkam - Pond	1632 m2
W14	17	Theeyambakkam Gandhinagar - Pond	4834 m2
W15	17	Chinna thoppu - Pond	4632 m2
W16	17	Chettimedu (Gnayiru Road) Near Sakthi amman koil - Pond	1362 m2
W17	18	Harikrishnapuram - Pond	1950 m2
W18	18	Zaheer Hussain Nagar - Pond	-
W19	19	Teachers Colony - Pond	1311 m2
W20	19	Masillamani Nagar - Pond	3595 m2
W21	19	Omakulam - Pond	6025 m2
W22	19	Kulakarai - Pond	2760 m2
W23	19	Manjambakkam Salai - Pond	9800 m2
W24	20	Chockammalkulam - Pond	6881 m2
W25	21	Sannathi Street - Pond	4582 m2
W26	21	Jalakandamaraimman Koil Street - Pond	2300 m2
W27	16	Sadayankuppam - Lake	PWD
W28	16	Kadapakkam - Lake	PWD
W29	20	Manali Lake	TANUVAS
W30	16	Kosathalaiyar River	7.00 Km

Canals					
ID. No.	Wards	Name of the Canal	From	To	Length of Canal (Km)
C1	15	Thulsi nagar canal and Chittar	Thulasi Nagar	Chittar	2.2
C2	15	Old Nappalayam canal	Vellivoyalchavadi	Kosasthalaiyar River	2.7
C3	15	CMDA Canal	Vichur	Kosasthalaiyar River	1.2
C4	15	Periya Eachankuzhi canal	Kulakkarai	Kosasthalaiyar River	1.6
C5	17	Ambedkar Canal	Vembuli Amman Kulam	Puzhal Surplus Water	1.1
C6	17	Kosapur Canal	Vilankadupakkam	Puzhal Surplus Water	1
C7	18	Madhavaram - Manali lake canal	Chinnathoppe	Puzhal Surplus Water	0.75



Map to be changed

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

561 storm water drains to a length of 133.43 Km were constructed to ease the flow of rain water in Manali zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in 'Km'
1	15	85	16.70
2	16	85	25.09
3	17	71	29.87
4	18	95	12.39
5	19	76	21.24
6	20	50	8.68
7	21	34	8.00
8	22	65	11.46
	Total	**561**	**133.43**

Water stagnated streets in the monsoon 2015 - heavy rain fall

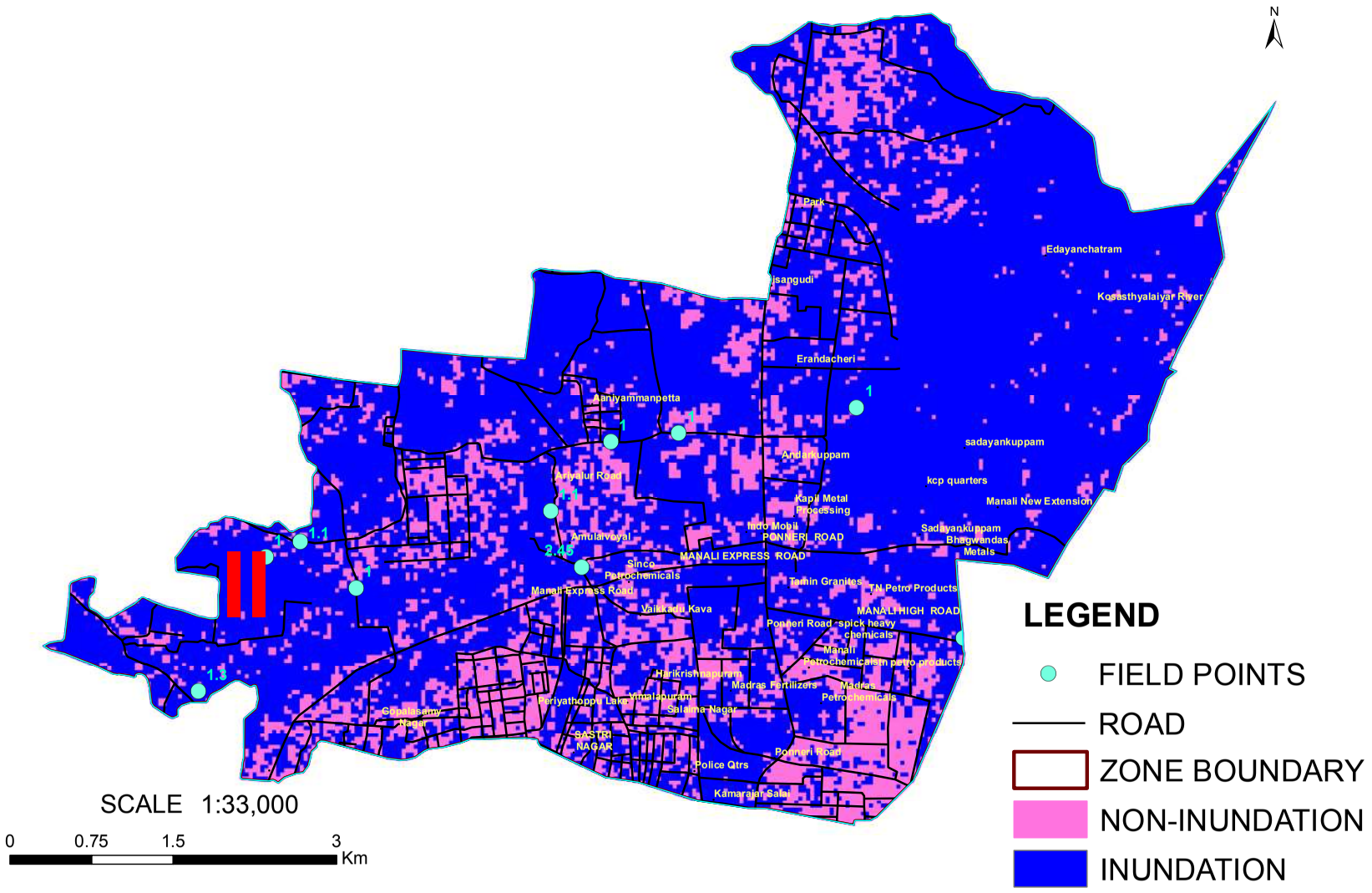
During the last monsoon, 4 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified vulnerable spots and the actions taken to dispose the rain water in each location are as below,

GCC+NDRA WATER STAGNATION LIST DURING NORTH EAST MONSOON							
Sl.No	Zone No.	Dn. No.	Name of the Road	MAX Depth in ft	Time taken to drain	Disposal Point	Responsible Department (GCC/ Highways, CMRL, Forest, TANGEDCO, Railways, WRD) (in English only)
1	2	19	Bala Subramaniyam Nagar	5 Ft	6 Days	Puzhal surplus	TIDCO/Revenue
2	2	15	Chinna echanguzhi	1.5 Ft	2 days	Kosasthalaiayr River	GCC
3	2	16	Andarkuppam	0.5 Ft	1 days	Toshiba canal	GCC
4	2	16	Burma nagar	0.5 Ft	1 days	puzhal surplus	GCC
5	2	16	Irular colony	1.5 Ft	2 days	puzhal surplus	WRD
6	2	16	Kadapakkam	1 Ft	2 days	Ariyalur Lake	WRD
7	2	16	Kamarajarpuram	0.5 Ft	1 days	Toshiba canal	GCC
8	2	16	Kanniammanpet 1	1 Ft	2 days	Toshiba canal	GCC
9	2	16	Kanniammanpet 2	1 Ft	2 days	Ariyalur Lake	GCC
10	2	16	Kullakarai	2 Ft	2 days	Tpp salai drain	GCC
11	2	16	Rajiv gandhi nagar	0.5 Ft	1 days	Tpp salai drain	GCC
12	2	16	Sadayankuppam	Back water - 1 Ft	2 days	Kosasthalaiayr River	GCC
13	2	17	Ariyalur	1.5 Ft	2 Days	Puzhal surplus	GCC
14	2	18	Cpcl nagar	2 Ft	1 Days	Puzhal surplus	GCC

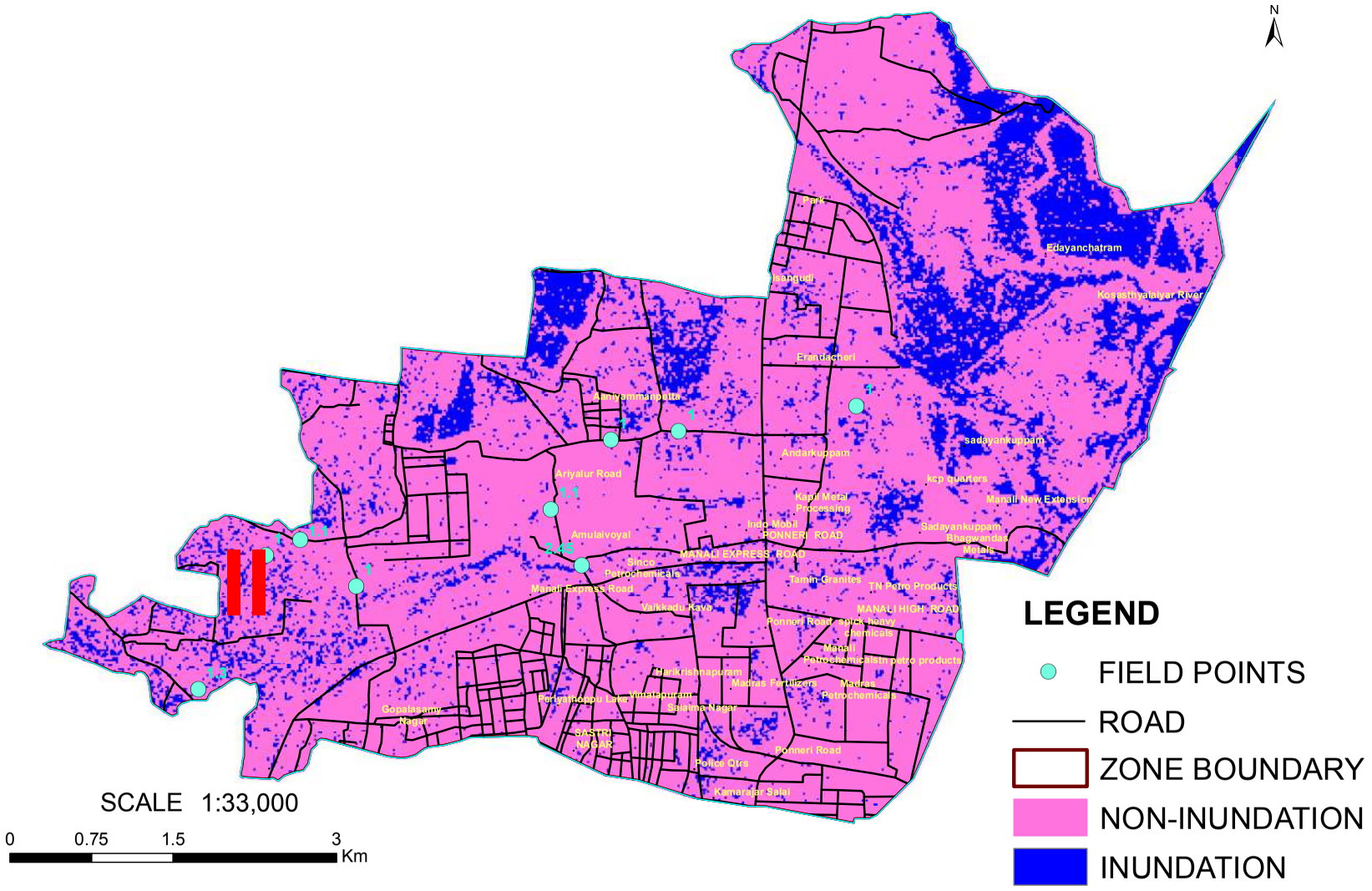
15	2	18	Kalaignar nagar	2 Ft	1 Days	Puzhal surplus	GCC
16	2	19	Chinnasamy street	1 Ft	2 Days	Puzhal surplus	GCC
17	2	18	Sabapathy Street	3 Ft	3 Days	Puzhal surplus	GCC
18	2	19	Srinivasan Nagar	1 Ft	2 Days	Puzhal surplus	GCC
19	2	21	TPP Salai	2 Ft	2 Days	Tpp salai canal - Puzhal surplus	Highways Department

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

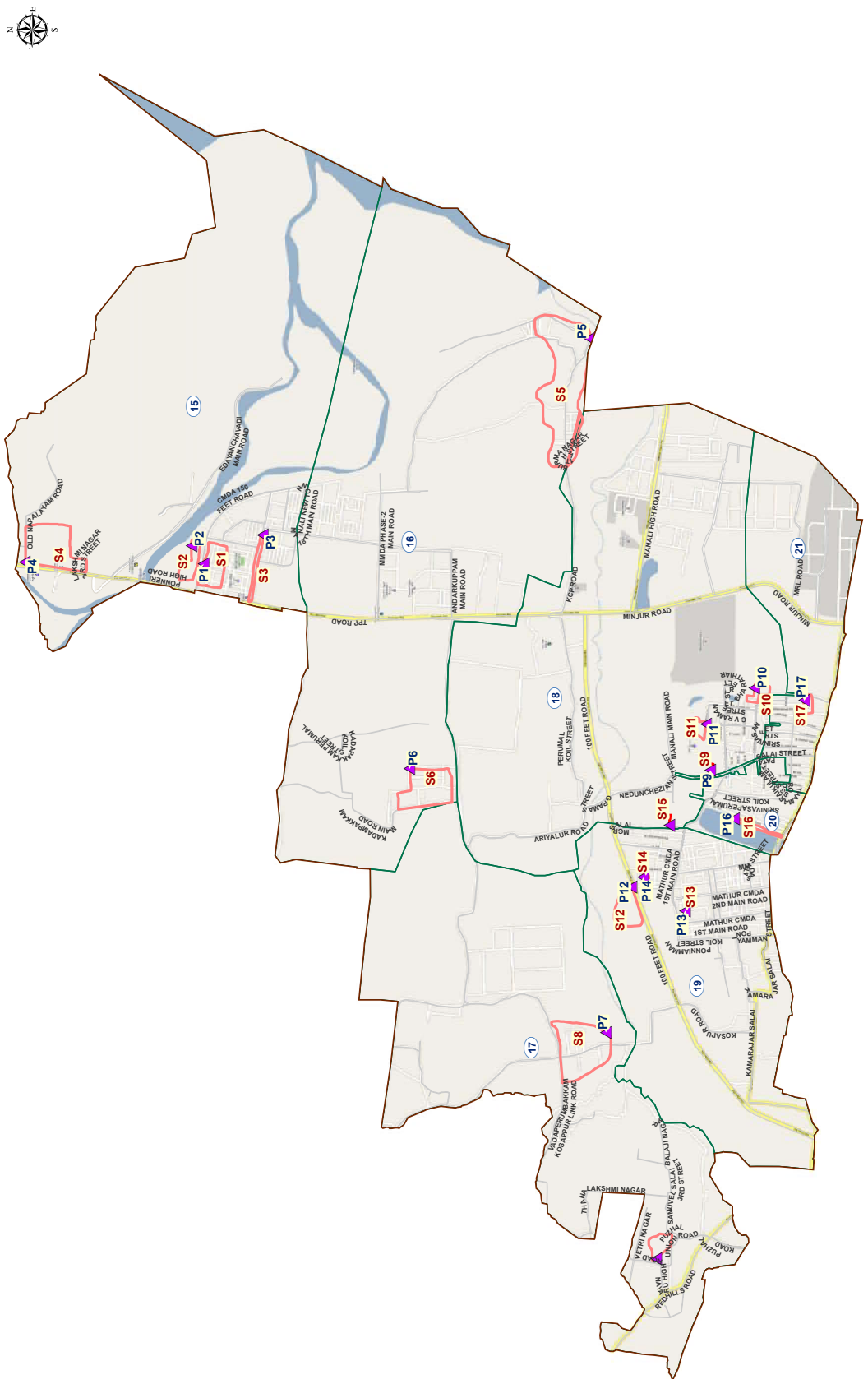
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE II
ROADS/STREET PRONE TO INUNDATION & LOCATION OF PUMP



Location of Diesel Pump Location

Streets where water stagnated in the previous monsoon

Water stagnated streets in the monsoon 2015 - Mild Rainfall – Nil

Water stagnated streets in the monsoon 2015 - Moderate Rainfall

S.No.	Ward	Name of the Street
1	15	EDAYANCHAVAD,
2	16	Irular Colony
3	17	Puzhal Union Road
4	18	Salaima Nagar
5	19	Apollo Armstrong Nagar
6	20	New MGR Street
7	21	Jalakanda mari amman koil Street (3rd Lane)
8	22	Chinna sekkadu

Stagnation of water in streets due to sewer blocks

There are no sewer block in Manali

Relief Centres

There are 14 relief centres to a total capacity of 3590 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Dn. No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facili-ties	Responsiblities	Officer in-charge (Designation/	Contact No.
1	15	230	Jai Gopal Gardia Higher Secondary School	Manali New Town 9th street	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817
								Evacuation	Junior Engineer	9445190315
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
2	16	500	GRT , Vivekananda School ,Manali new town	Manali New Town 29, 28, 30 and 31 st Street, Manali New Town 80 Feet Road Milk Booth and Sadayankuppam , Irular Colony and Burma Nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190316
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104

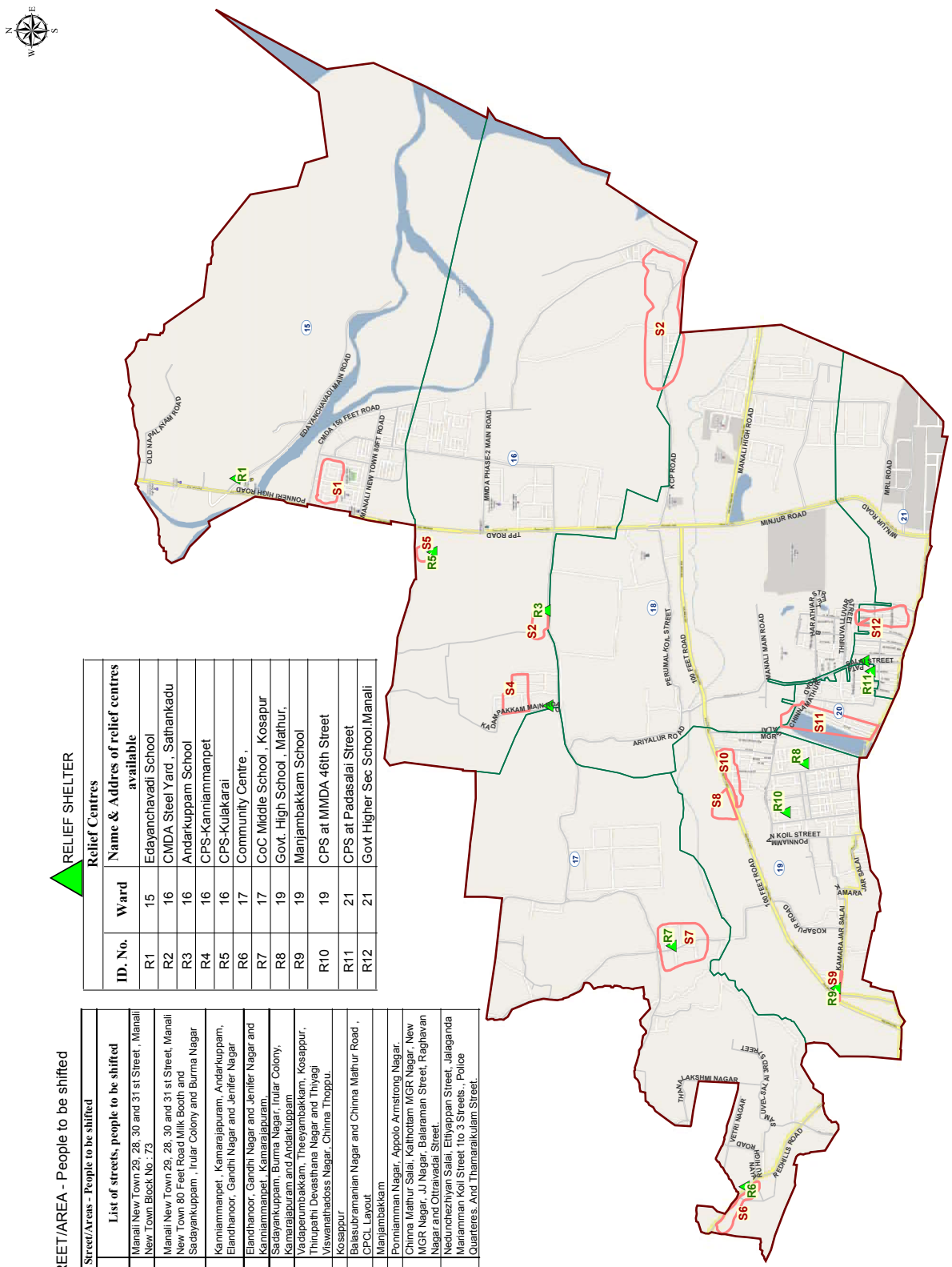
Sl. No.	Dn. No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facili-ties	Responsiblities	Officer in-charge (Designation/	Contact No.
3	16	300	Andarkuppam School	Kanniammanpet, Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190316
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
4	16	150	CPS-Kanniammanpet	Elandhanoor, Gandhi Nagar and Jenifer Nagar and Kanniammanpet , Kamarajapuram,	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190316
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
5	16	350	CPS-Kulakarai	Sadayankuppam, Burma Nagar, Irular Colony, Kulakkarai, Kamarajapuram and Andarkuppam	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190316
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
6	17	100	Community Centre, Vadaperum bakkam	Vadaperumbakkam, Theeyambakkam, Kosappur, Thirupathi Devasthana Nagar and Thiyagi Viswanathadoss Nagar, Chinna Thoppu.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190317
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104

Sl. No.	Dn. No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facili-ties	Responsiblities	Officer in-charge (Designation/	Contact No.
7	17	340	CoC Middle School, Kosapur	Kosappur	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025817 7338917782
								Evacuation	Assistant Engineer	9445190317
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190104
8	19	200	Govt. High School , Mathur,	Balasubramanian Nagar and Chinna Mathur Road , CPCL Layout	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818 7338917782
								Evacuation	Assistant Engineer	9445190319
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
9	19	120	Manjambakkam School	Manjambakkam	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818 7338917782
								Evacuation	Assistant Engineer	9445190319
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105

Sl. No.	Dn. No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facili-ties	Responsiblities	Officer in-charge (Designation/	Contact No.
10	19	100	CPS at MMDA 46th Street	Ponniamman Nagar, Appolo Armstrong Nagar.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818 7708931877
								Evacuation	Assistant Engineer	9445190319
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
11	20	200	Dr. Sivanthi adithinar School	Chinna Mathur Salai, Kalthottam MGR Nagar, New MGR Nagar, JJ Nagar, Balaraman Street, Raghavan Nagar and Ottraivadai Street.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025818 7708931877
								Evacuation	Assistant Engineer	9445190321
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
12	21	450	Govt Higher Sec School. Manali & CPS at padasalai street	Nedunchezhiyan Salai, Ettiyappan Street, Jalaganda Mariamman Koil Street 1to 3 Streets., Police Quarteres. And Thamaraikulam Street.	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025820 7708931877
								Evacuation	Assistant Engineer	9445190321
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105

Sl. No.	Dn. No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facili-ties	Responsiblities	Officer in-charge (Designation/	Contact No.
13	21	300	CP Satpadasalai street	Nedunchezhiyan Salai, Ettiyappan Street, Jalag-anda Mariamman Koil Street 1 to 3 Streets., Police Quarteres. And Thamarai-kulam Street.	Yes	Yes	Yes	Sanitation, Medicine & Drinking water	Sanitary Inspector	9444231720
								Evacuation	Assistant Engineer	9445190321
								Food	Senior Revenue Officer	9445190082
								Relief Materials	Asst. Exe. Engineer	9445190105
14	22	250	High school at devarajanstreet	Chinnsekkadu	Yes	Yes	Yes	Sanitation, Medicine & Drinking water	Sanitary Inspector	9444231720
								Evacuation	Assistant Engineer	9445190322
								Food	Senior Revenue Officer	9445190105
								Relief Materials	Asst. Exe. Engineer	9445190082

ZONE II
EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centres			
ID. No.	Ward	Name & Addres of relief centres availaible	
R1	15	Edayanchavadi School	
R2	16	CMDA Steel Yard , Sathankadu	
R3	16	Andarkuppam School	
R4	16	CPS-Kanniammanpet	
R5	16	CPS-Kulakarai	
R6	17	Community Centre ,	
R7	17	CoC Middle School , Kosapur	
R8	19	Govt. High School , Mathur,	
R9	19	Manjambakkam School	
R10	19	CPS at MMDA 46th Street	
R11	21	CPS at Padasalai Street	
R12	21	Govt Higher Sec School,Manali	

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	15	Manali New Town 29, 28, 30 and 31 st Street, Manali New Town Block No : 73
S2	16	Manali New Town 29, 28, 30 and 31 st Street, Manali New Town 80 Feet Road Milk Booth and Sadayankuppam , Irular Colony and Burma Nagar
S3	16	Kanniammanpet , Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar
S4	16	Elandhanoor, Gandhi Nagar and Jenifer Nagar and Kanniammanpet, Kamarajapuram
S5	16	Sadayankuppam, Burma Nagar, Irular Colony, Kamarajapuram and Andarkuppam
S6	17	Vadaperumbakkam, Theeyambakkam, Kosappur, Thirupathi Devasthana Nagar and Thiyagi Viswanathadoss Nagar, Chinna Thoppu.
S7	17	Kosappur
S8	19	Balasubramanian Nagar and Chinna Mathur Road , CPCL Layout
S9	19	Manjambakkam
S10	19	Ponniamman Nagar, Appolo Armstrong Nagar.
S11	21	Chinna Mathur Salai, Kaliholtam MGR Nagar, New MGR Nagar, JJ Nagar, Balaraman Street, Raghavan Nagar and Ottraivadai Street.
S12	21	Nedunchezhiyan Salai, Ettiyappan Street, Jalaganda Mariamman Koil Street 1to 3 Streets., Police Quarteres. And Thamaraikulam Street.

Subway

There is no subway as of now available in this zone.

Tree fall

During the last monsoon, in Manali zone tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	15	Manali New Town
2	16	Andarkuppam

Streets - where water entered houses - do not require evacuation

During the last monsson, 8 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 8 locations were inundated for more than a day by which the normal day to day activity of 3500 people were stand stilled. Flood water from these areas was cleared by using 15 pumps rangining from 5 HP to 7.5 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	15 Edayanchavadi	Lakshmi Nagar
2	16 Manali New Town	Kullakarai vichur high road
3	17 Kosapur Vadaperumbak-kam	Saraswathi Nagar Kosapur
4	18 Manali	Harikrishnan puram amman nagart
5	19 MMDA Mathur	Balasubramaniyam nagar
6	20 Manali	New MRG street Balaraman Street JJ nagar
7	21 Manali	Jalakanda mariamman koil 3rd lane
8	22 Chinnasekkadu	Velu street, Adhiraj street

Streets that require evacuation

During the heavy flood that occurred in 2015, in Manali zone there were 1565 people were evacuated from Edayanchavadi Andarkuppam and they were accommodated in CMDA Steel Yard, Sathankadu, Manali and MMDA Mathur are accommodated in CPS at Padasalai Street and Govt. High School , Mathur. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations of relief centers are given below.

Sl. No.	ward /Name	Streets	No. of persons	Year	Relief centre
1	15 Edayanchavadi	Manali New Town 29, 28, 30 and 31 st Street	42	2015	CMDA Steel Yard , Sathankadu
2	15 Edayanchavadi	Manali New Town Block No : 73	63	2015	Edayanchavadi School
3	15 Edayanchavadi	Manali New Town 80 Feet Road Milk Booth	120	2015	CMDA Steel Yard , Sathankadu
4	16 Andarkuppam	Sadayankuppam , Irular Colony and Burma Nagar	101	2015	CMDA Steel Yard , Sathankadu
5	16 Andarkuppam	Kanniammanpet , Kamarajapuram, Andarkuppam, Elandhanoor, Gandhi Nagar and Jenifer Nagar	86	2015	CPS- Kanniammanpet, Andarkuppam School
6	17 Vadaperumbakkam	Vadaperumbakkam, Chettimedu, Kosappur	136	2015	Community Centre, Vadaperumbakkam and CoC Middle School , Kosapur
7	18 Manali	Kalaigner Nagar	122	2015	CPS at Padasalai Street
8	18 Manali	Harikrishnapuram	356	2015	CPS at Padasalai Street and Govt Higher Sec School. Manali
9	18 Manali	Salaima Nagar	321	2015	CPS at Padasalai Street
10	19 MMDA Mathur	Balasubramanian Nagar	123	2015	Govt. High School , Mathur,
11	19 MMDA Mathur	Ponniamman Nagar, Chinna Samy Nagar	53	2015	CPS at MMDA 59th Street
12	20 Manali	Govt. High school at Padasalai street	42	2015	Govt. High School , Mathur
		Total	**1565**		

Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There are 1 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	15 to 17	Assistant Engineer	9445190907
2	18,20,21	Assistant Engineer	9445190905
3	19,22	Assistant Engineer	9445190906
4	15 to 21	Additional divisional Engineer (Zone)	9445190042
5	15 to 21	Divisional Engineer (HQ)	9445190752

National Disaster Response Force (NDRF)

In Manali zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	15	Manali New Town 80ft Road, Aavin Booth
2	16	Near Unit Office , Andarkuppam
3	17	Near Division Office , Vadaperumbakkam
4	18	Near Division Office , Nedunchezhiyan Street
5	19	Near Division Office, MMDA 2nd Cross Street
6	20	New MGR Nagar Ist street
7	21	Near Unit Office , CPS Padasalai Street

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below

Sl.No.	Ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number AE
1	15	Manali New Town 80 Ft Road , 4 Nos.	Manali New Town near Milk booth	9445190315
2	16	Andarkuppam , Sadayankuppam, Burma Nagar, 4 Nos.	Opposite to CMDA Steel yard	9445190316
3	17	Near Division Office, 2 Nos.	Division Office Vadaperumbakkam	9445190317
4	18	Division Office, Nedunchezhiyan Street, 1 No.	Division Office , Nedunchezhiyan Street	9445190318
5	19	Balasubramaniam Nagar , 1 No.	Chinna mathur Road	9445190319
6	20	1 No. New MGR Nagar Ist street	Division - 20 Office , New MGR Nagar Ist street	9445190320

Transport Equipment & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 2 open lorries and 2 Bob cat are stationed for performing the job. The details of the Lorries available in the zone are given below

No. of lorries and type kept in readiness
Debris lorry - 2
Skid steer loaders (Bob cat) - 2

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190403	-	2	10-LMV	-

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1	18 Manali	Ekambaram Street 3rd , 4th, 6th, 7th, 8th Lane and Kalaigner Nagar 2nd , 9th Street
2	19 MMDA Mathur	MMDA 18,22,25,30,31,33,34,39,41,42,49,61,65,66,70,71,73,74 ,90,93,110 & 114Street 1st Cross Street
3	20 Manali	Srinivasa perumal koil 5th , 6th and 8th cross lane
4	20 Manali	S.P Koil melandai 2nd lane
5	20 Manali	S.P koil kelandai 2 & 3nd lane
6	20 Manali	Lalbaghadhur Shasthri 2nd, 3rd and 4th cross lane
7	20 Manali	Balaraman 4th lane
8	20 Manali	Srinivasaperumal koil 7th lane
9	20 Manali	Balaraman 5th lane
10	20 Manali	Kamaraj salai cross lane Lane
11	20 Manali	Thamaraikulam 2nd Street 1st
12	21 Manali	Poongavanam Cross Lane
13	21 Manali	Thir.Vi.Ka. Street 1st , 2nd , 3rd, 4th and 6thLane
14	21 Manali	Thir.Vi.Ka. Street to Jalagandamariamman Koil Street Link
15	22 Chinna sekkadu	Parthasarathy 6th cross street, Perumal koil Extn, 1st lane, 2nd lane, Munusamy 2nd & 3rd cross street, Devarajan 3rd Cross street

ZONE II
EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS

EVACUATION AREA

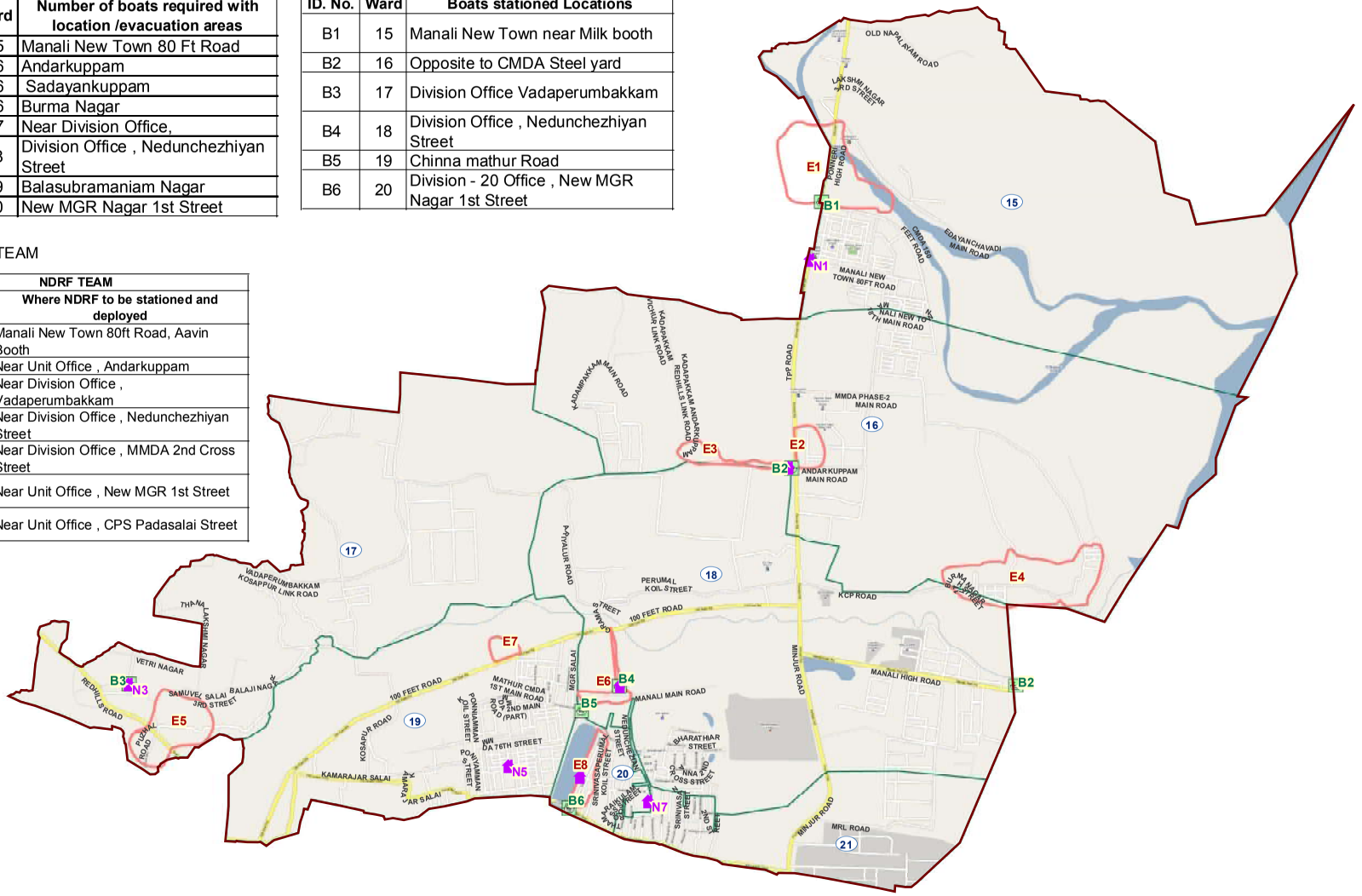
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	15	Manali New Town 80 Ft Road
E2	16	Andarkuppam
E3	16	Sadayankuppam
E4	16	Burma Nagar
E5	17	Near Division Office,
E6	18	Division Office , Nedunchezhiyan Street
E7	19	Balasubramaniam Nagar
E8	20	New MGR Nagar 1st Street

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	15	Manali New Town near Milk booth
B2	16	Opposite to CMDA Steel yard
B3	17	Division Office Vadaperumbakkam
B4	18	Division Office , Nedunchezhiyan Street
B5	19	Chinna mathur Road
B6	20	Division - 20 Office , New MGR Nagar 1st Street

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	15	Manali New Town 80ft Road, Aavin Booth
N2	16	Near Unit Office , Andarkuppam
N3	17	Near Division Office , Vadaperumbakkam
N4	18	Near Division Office , Nedunchezhiyan Street
N5	19	Near Division Office , MMDA 2nd Cross Street
N6	20	Near Unit Office , New MGR 1st Street
N7	21	Near Unit Office , CPS Padasalai Street



Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –15

Ward councillor - 9445467015

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190315
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445026042
GCC - Solid waste management	Conservancy Inspector	9445190516
GCC - Revenue	Tax Collector	9840555225
Revenue	Revenue Inspector	9445027438
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930016 8144930522
TANGEDCO	Junior Engineer	9445850906
BSNL	Assistant Engineer	9444939357
Fire service	Inspector	044-25224266
Police station	Inspector	9600029616
PWD	Assistant Engineer	9489951540
TNUHDB	Assistant Engineer	8056464868
Highways	Divisional Engineer	9444294521 9940012048

Ward committee – 16

Ward councillor - 9445467016

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190316
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190516
GCC - Revenue	Tax Collector	9840555225
Revenue	Revenue Inspector	9789024904
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930016
TANGEDCO	Junior Engineer	9445850907
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25224266
Police station	Inspector	9600029616
PWD	Assistant Engineer	8778204390
TNUHDB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9444294521, 9940012048

Ward committee – 17
Ward councillor – 9445467017

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190317
GCC - Electrical	Assistant Engineer	9445190907
GCC- Health	Sanitary Inspector	9445025817
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190517
GCC - Revenue	Tax Collector	9962201410
Revenue	Revenue Inspector	9445027438
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Assistant Engineer	9445850875
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25224266
Police station	Inspector	9600029616, 9498100240, 044-25555085
PWD	Assistant Engineer	7200027050
TNUHDB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9841702398 9940012048

Ward committee – 18
Ward councillor – 9445467018

Name of the department		Designation
GCC - Engineering	Assistant Engineer	9445190318
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190518
GCC - Revenue	Tax Collector	7200338299
Revenue	Revenue Inspector	9003165638
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930018
TANGEDCO	Junior Engineer	9445850905
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25941147
Police station	Inspector	9003237333
PWD	Assistant Engineer	8778204390
TNUHDB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9840547160

Ward committee –19
Ward councillor – 9445467019

Name of the department		Designation
GCC - Engineering	Assistant Engineer	9445190319
GCC - Electrical	Assistant Engineer	9445190906
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	904435529
GCC - Revenue	Tax Collector	8825905995
Revenue	Revenue Inspector	9003165638
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Junior Engineer	9445850872
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25941147
Police station	Inspector	9003237333
PWD	Assistant Engineer	8610155151
TNUHDB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9444294521

Ward committee – 20
Ward councillor – 9445467020

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190320
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9445025818
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190520
GCC - Revenue	Tax Collector	8825905995
Revenue	Revenue Inspector	9445027438
GCC - Park overseer	Park Supervisor	8608914685
CMWSSB	Assistant Engineer	8144930020
TANGEDCO	Junior Engineer	9445978508
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25941147
Police station	Inspector	9003237333
PWD	Assistant Engineer	8610155151
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9444294521

Ward committee – 21
Ward councillor – 9445467021

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190321
GCC - Electrical	Assistant Engineer	9445190905
GCC- Health	Sanitary Inspector	9444231720
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	7010731797
GCC - Revenue	Tax Collector	9499932706
Revenue	Revenue Inspector	9445027438
GCC - Park overseer	Park Supervisor	9445194752
CMWSSB	Assistant Engineer	8144930019
TANGEDCO	Junior Engineer	9445850905
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25941147
Police station	Inspector	9003237333
PWD	Assistant Engineer	8610155151
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9444294521

Ward committee – 22
Ward councillor – 9445467022

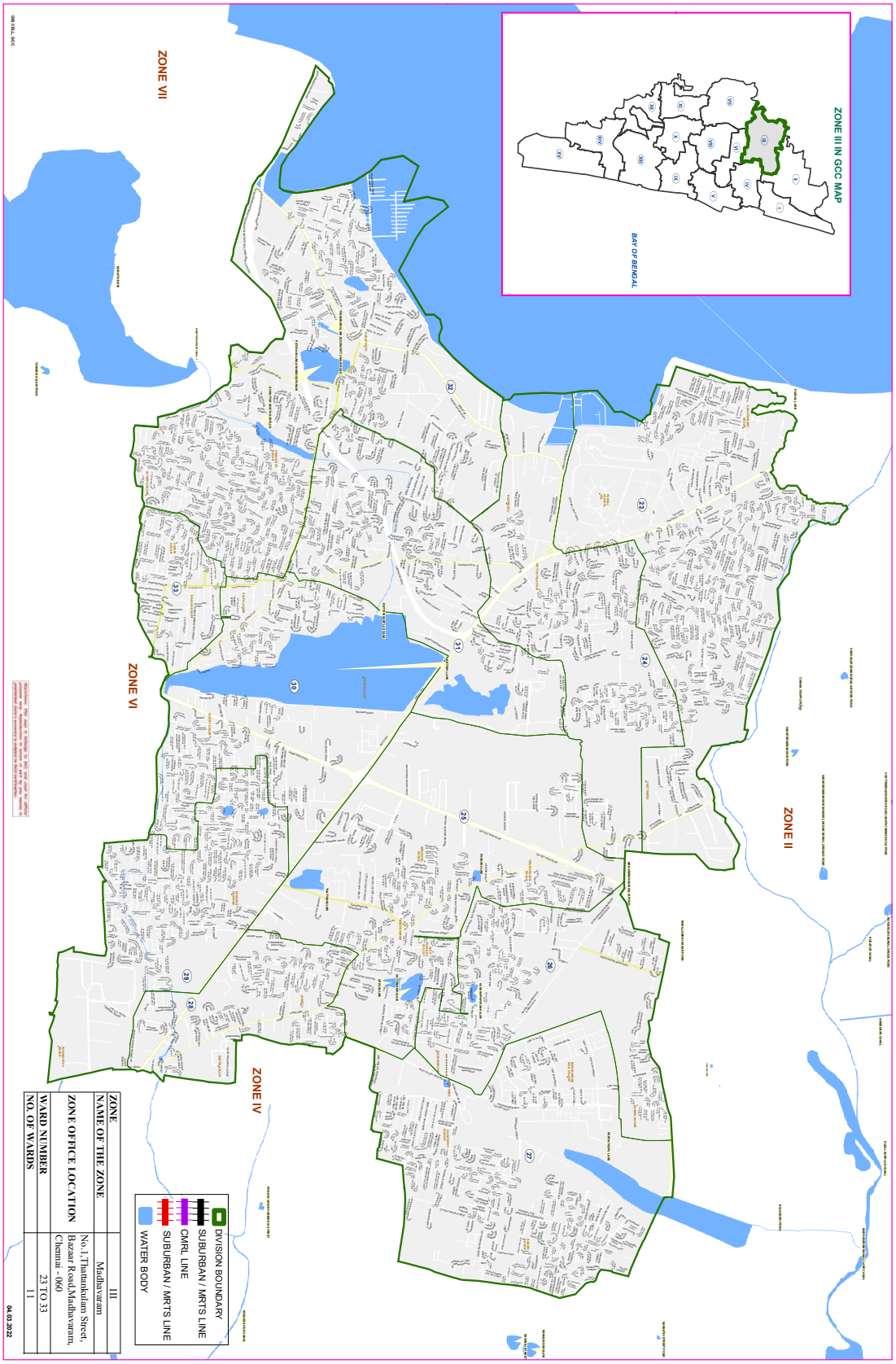
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190322
GCC - Electrical	Assistant Engineer	9445190906
GCC- Health	Sanitary Inspector	9444231720
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190522
GCC - Revenue	Tax Collector	9499932706
Revenue	Revenue Inspector	9789024904
GCC - Park overseer	Park Supervisor	8608194685
CMWSSB	Assistant Engineer	8144930522
TANGEDCO	Junior Engineer	9445978508
BSNL	Executive Engineer	9444939357
Fire service	Inspector	044-25941147
Police station	Inspector	9003237333
PWD	Assistant Engineer	8610155151
TNSCB	Assistant Engineer	9445074734
Highways	Divisional Engineer	9444294521

ZONE - III

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ZONE III - WARD BOUNDARY



Profile

The Madhavaram zone lies in Latitude 13.147819°, Longitude 80.230986° covering an area of **31.44 Sq.km**.

There are 2850 roads, out of which 2835 roads to a length of 438.93 Km are Interior Roads, 7 Roads to a length of 11.006 Km are Bus Route Roads which are maintained by GCC and the remaiing 5 roads are under the maintenance of Highways department and 3 roads are under NHAI.

The population is about 2.28 lakhs that has Male population of about 50.99 % and Female population of about 49.01 %. The most densed area in the zone is Madhavaram with a population of 49676 and the least in Soorapet with a population of 12,280. The Ward wise population of the zone is given below.

Sl.No.	Ward No./Name	Total House Holds	Total Population
1	23 Kavangarai	6272	25980
2	24 Puzhal	3248	15360
3	25 Madhavaram	13055	49676
4	26 Alex Nagar	4028	16676
5	27 Arul nagar	7239	21816
6	28 Udayar Thottam	4682	15672
7	29 Ponniamman Medu	5812	13780
8	30 Thanikachalam Nagar	3068	14400
9	31 Kathirvedu	4650	12792
10	32 Soorapet	4545	12280
11	33 Lakshmipuram	5150	16656
TOTAL		**66416**	**228374**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by one Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	23 to 33	9445190003

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-6,7,8	9445190482
2	Assistant Executive Engineer	U-6 (23,24,32)	9445190106
3	Assistant Executive Engineer	U-7 (26,27,25)	9445190107
4	Assistant Executive Engineer	U-8 (30,31,33)	9445190108
5	Additional Asst. Exe. Engineer	Dn.(28,29)	9710915272

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage. maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Asst. Executive Engineer (SWM)	Unit 6, 7 & 8	9445477207
2.	Conservany supervisor	23, 24, 30,31,32,33	9445191406
3.	Conservany supervisor	26, 27, 28, 29,25	9445191407

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone III	9445190063
2	Veterinary Surgeon	Zone III	9445026042
3	Senior Entomologist	Zone III	9445025818
4	Assistant Health Officer	Zone III	9445190683
5	Sanitary Officer	23, 24, 32, 31	9499933621
6	Sanitary Officer	26, 27, 30	9499933625
7	Sanitary Officer	25, 28, 29, 33	9445025830

Parks

There are 41 Parks available in Madhavaram. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone are given below.

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445071064	Telescopic tree Pruner-3, Chain saw tree cutting machine-12	Ward (22 to 33)

S.No	Ward	Name Of Ward	Location of the Park
1	23	Puzhal	GURUSHANTHI NAGAR
2	23	Puzhal	MACRO MARVEL 1ST CROSS STREET PARK
3	23	Puzhal	MACRO MARVEL 2ND CROSS STREET PARK
4	23	Puzhal	MACRO MARVEL PARK PHASE-III
5	24	Puzhal	AMBATTUR REDHILLS ROAD PARK
6	24	Puzhal	GANGATHARAN STREET PARK
7	24	Puzhal	V.S.MANI NAGAR 3RD STREET PARK-3
8	24	Puzhal	V.S.MANI NAGAR 3RD STREET PARK-4
9	25	Madhavaram	RC FLATS (ARUL NAGAR) AT MMC ROAD
10	25	Madhavaram	RING ROAD HOUSING SECTOR POND AT RING ROAD HOUSING SECTOR 9TH CROSS STREET
11	25	Madhavaram	KVT (PHASE I) PARK AT V.S MANI NAGAR
12	25	Madhavaram	KVT (PHASE II) PARK AT V.S MANI NAGAR
13	25	Madhavaram	KVT (PHASE III) PARK AT V.S MANI NAGAR
14	25	Madhavaram	RING ROAD HOUSING SECTOR PARK AT RING ROAD HOUSING SECTOR 1ST MAIN ROAD
15	25	Madhavaram	VRD NAGAR PARK AT VRD NAGAR 1ST STREET
16	25	Madhavaram	SIVASAKTHI NAGAR PARK AT SIVASAKTHI NAGAR 2ND MAIN ROAD
17	27	Madhavaram	PADMAGIRI NAGAR
18	27	Periyasekkadu	KRISHNA NAGAR
19	28	Madhavaram	KKR NAGAR 1ST MAIN ROAD
20	28	Madhavaram	RC FLATS PARK AT MRH ROAD
21	28	Madhavaram	KKR GARDEN 2ND MAIN ROAD
22	29	Lakshmipuram	THANIKACHALAM NAGAR 5/2 CROSS STREET PARK
23	29	Lakshmipuram	SELVAM NAGAR
24	29	Lakshmipuram	VGP NAGAR MAIN ROAD
25	29	Lakshmipuram	THANIKACHALAM NAGAR 80 FEET ROAD
26	29	Lakshmipuram	SELVAM NAGAR 2ND MAIN ROAD
27	29	Lakshmipuram	MAHATHMA GANDHI ST
28	30	Lakshmipuram	SECRETARIAT COLONY
29	30	Lakshmipuram	CANAL PARK AT BURIAL GROUND ROAD (VINAYAGAPURAM)
30	31	Surapet	PADMAVATHY NAGAR EXTN 5TH STREET
31	31	Kathirvedu	SRINIVASA NAGAR MAIN ROAD
32	31	Kathirvedu	COLLECTOR NAGAR MAIN ROAD
33	31	Surapet	BIRLA AVENUE
34	31	Kathirvedu	PADMAVATHY NAGAR 7TH STREET

35	31	Kathirvedu	THIRUMALAI SRINIVASA NAGAR
36	31	Kathirvedu	SOWMIYA NAGAR
37	32	Surapet	SRI LAKSHMI AMMAN NAGAR PARK
38	32	Surapet	DG NAGAR PARK
39	32	Surapet	SRI LAKSHMI NAGAR
40	33	Lakshmipuram	TEACHER'S COLONY PARK AT TEACHER'S COLONY 4TH CROSS STREET
41	33	Lakshmipuram	TEACHER'S COLONY PARK AT TEACHER'S COLONY 6TH MAIN ROAD
42	27	Madhavaram	Park at Meenambal Avenue (Sastri nagar)
43	29	Ponniyamman medu	Selvam nagar 2nd mainroad
44	29	Ponniyamman medu	Mahatma Gandhi street
45	31	Kathirvedu	Birla avenue kathirvedu
46	31	Kathirvedu	Sathyamoorthy nagar
47	32	Surapet	Lakshmiamman nagar
48	32	Shanmugapuram	Sri Lashmi nagar (Shanmugapuram)
49	32	Shanmugapuram	Thangal karai Nagar
50	32	Surapet	Selva kumaran nagar
51	32	Surapet	park at SIS Captown mettur Link raod

Sewage Pumping Stations

Sl. No.	Div	Pumping Sation Loaction
1	25	Metha Nagar
2	26	Ramachandra Nagar
3	27	Bank Colony
4	28	Muthumarimman koil street
5	29	Thanigachalan Nagar, Chandrapurabhu Colony
6	31	Padmavathy Nagar Pumping station, Rajiv Gandhi Nagar station
7	32	Puthagaram Lift station Madhanakuppam station Thangal karai Salai Kadappa road Pumping station

Tamilnadu Urban Habitat Development Board

There is no TUHDB tenements available in this Zone..

Water Bodies and Waterways

There are 3 Canals Passing in this zone (**1) Surpat canal** maintained by PWD which originates from Madhanakuppam main road travels about 4 Km in the zone and disposes via Retteri lake, (2) **Retteri surplus canal** maintained by

PWD which touches the zone at Retteri bund north to Kosastalayar Basin travels about 4.5 Km in the zone and (3) **Thanikasalam Canal** maintained by PWD which touches the zone at Retteri south runs about 3.5 Km in the zone and disposes through and drain into Kodungaiyur canal.

Greater Chennai Corporation is doing a massive work to de-silting works in all the canals, storm water drain periodically as a precautionary measure in order to face the upcoming monsoon. Storm Water Drains were constructed by GCC for a distance of 12.93 km to ease the flow of rain water. Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain, low lying areas (Divisions 26 24 33), overflow of Retteri (Dn.26, 33) and Korattur Lake (Dn.24, 25, 32) surplus water in the canals and insufficient capacity of water bodies.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Surapet Canal	24	Madhanakuppam main road	Retteri lake	4
2	Retteri PWD Canal	25, 23	Retteri Bund North	Kosastalayar Basin	4.5
3	Thanikachalam nagar canal	26-33	Retteri South	Kodungaiyur canal	3.5

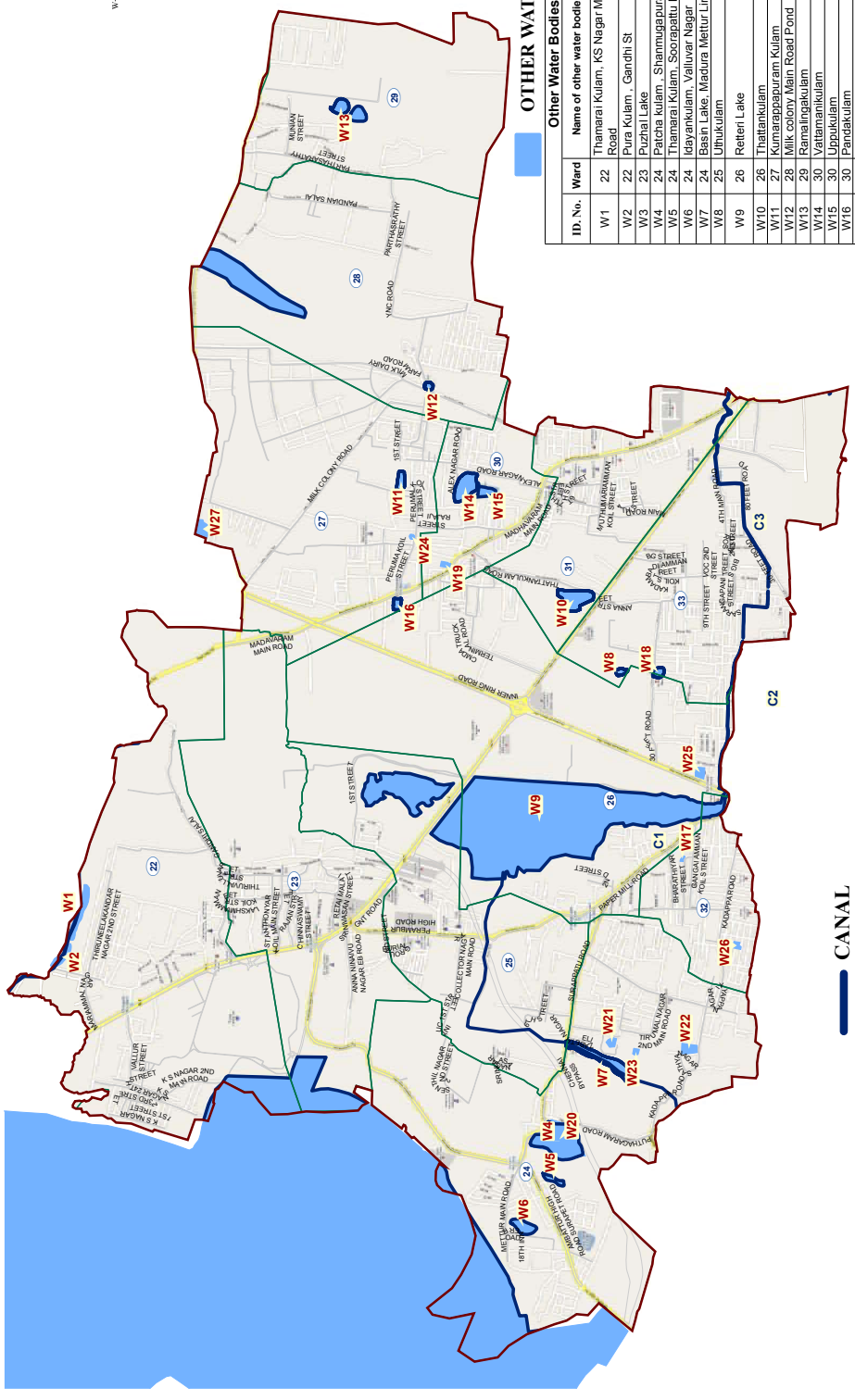
Other water bodies

Sl. No	Dn. No	Name of the Pond/Lake/Tank	Approximate area of the Pond
1	22	Thamarai kulam	12075/1.20
2	22	Pura kulam	7800/0.78
3	24	Thamarai kulam	11526/1.15
4	24	Basin lake	34931/1.15
5	24	Idhayam kulam	5293/0.52
6	24	Chavadi kulam	1411/0.14
7	24	Pacha kulam	7762/0.77

8	24	Molla kulam	940/0.09
9	24	Chella kulam	2038/0.2
10	24	Thangal lake	19171/1.91
11	25	Uttukkulam	5175/0.52
12	25	Thangal lake	569.40
13	26	Omakulam	14349/1.43
14	26	Thattankulam Road (North)	4174/0.43
15	26	Thattankulam Road (South)	2744/0.27
16	26	Charangabani Kulam	1725/0.17
17	26	Thattankulam road and GNT Road Terapanth nagar kulam	1162/0.12
18	26	Swamy Nagar kulam (Nalla thanni Kulam)	6312/0.63
19	27	Perumal Koil Street Kulam (Opp to Perumal koil)	2980/0.29
20	27	Kumarappuram Kulam	4116/0.41
21	27	Ramachanra Nagar Kulam	7214/0.72
22	27	Assisi Nagar Kulam	4234/0.42
23	28	Milk Colony Main Gate Kulam	2862/0.28
24	28	Padavattamman Koil Street Kulam	1999/0.19
25	29	Ramalingaswamy kulam	1019/0.1
26	30	Athi Kulam	13173/1.32
27	30	Vattamani Kulam	11526/1.15
28	30	Panda Kulam	6199/0.62
29	30	Ring Road sector kulam	650/0.065
30	30	Pillayar Koil Kulam	5018/0.5
31	30	Uppu Kulam	1921/0.19
32	31	Jangiri shop kulam	4039/0.4
33	32	Swamiyar Nagar Kulam	1203/0.12
34	32	Teachers Colony kulam	2299/0.23
35	33	Kullappam kulam	5862/0.59
36	33	GNT Road Kulam	998/0.099
37	33	St.¬Anne's College Kulam	6356/0.64
38	27	Eswaran koil street kulam	1788/0.18
39	27	Perumal Koil Street Manjambakkam main road	2627/0.26
40	27	North Telephone colony kulam	2422/0.24
41	30	Bharathiyar street Kulam	1805.75/0.18
42	31	Moolakadai Kulam	24694.70/2.46

ZONE III - WATER BODIES

map to be changed



OTHER WATER BODIES

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Name of other water bodies
W1	22	Thamarai Kulam, KS Nagar Main Road	12464 m^2
W2	22	Pura Kulam , Gandhi St	8060 m^2
W3	23	Puzhal Lake	(4500 acres)
W4	24	Patcha kulam , Shanmugapuram	2400 m^2
W5	24	Thamarai Kulam, Soorapattu Main	35 Grounds
W6	24	Idayankulam, Valluvar Nagar	240 m^2
W7	24	Basin Lake, Madura Mettur Link	30 Grounds
W8	25	Uthukulam	1.50 Acre
W9	26	Retteri Lake	(700 acres) 28 32 802 m2
W10	26	Thattankulam	0.76/0.40 acre
W11	27	Kumarappapuram Kulam	1.50 acre
W12	28	Milk colony Main Road Pond	4150 m2
W13	29	Ramalingakulam	540 m2
W14	30	Vattamanikulam	2.94 acre
W15	30	Uppukulam	0.50 acre
W16	30	Pandakulam	1.58 acre
W17	32	Kumaran St.(Samiyar Kulam)	0.10 acre
W18	33	Kulappankulam	1.49 acre
W19	30	Athikulam	0.5 acre
W20	24	Thangal lake, Puthagaram	48970 m2
W21	24	Chellakulam, Thirumal Nagar	16185 m2
W22	24	Savadikulam, Kadappa Road	11615 m2
W23	24	Mulakulam, Kamarajar Nagar	12950 m2
W24	27	Perumal Koil Street Kulam	3800 m2
W25	26	Samy Nagar Kulam	1800 m2
W26	32	Teachers Colony Kulam, 4th Main Road	7700 m2
W27	27	Assisi Nagar Kulam	4160 m2

Canals

ID. No.	Wards	Name of the Canal	From	To	Length of Canal (Km)
C1	24	Surapet Canal	Madhanakuppam main road	Retteri lake	4km
C2	32	Retteri Canal	Retteri south, Lakshmipuram	Kodungaiyur canal	4.5km
C3	32 to 35	Thanikachalam Nagar Canal	Retteri south	Kodungaiyur canal	3.5km

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone. However there are Katcha drain and in few places SWD are available. Construction of SWD in this area is covered under Kosasasthalaiyar Basin for which fund tie up is under study from JICA.

496 storm water drains to a length of 106.62 Km were constructed to ease the flow of rain water in Madhavaram zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in Km
1	23	109	31.03
2	24	32	13.00
3	25	64	13.66
4	26	59	14.61
5	27	41	10.00
6	28	22	7.90
7	29	148	13.70
8	30	111	11.46
9	31	71	11.03
10	32	181	30.38
11	33	38	10.47
TOTAL		876	**167.23**

Water stagnated streets in the monsoon 2021 - heavy rain fall

During the last monsoon,35 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2021 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location are as below,

Water stagnated streets in the monsoon 2021 - heavy rain fall

S.No	Ward	Streets where inundation seen	Capacity of pumps	Disposal point
1	23	Gurushanthi Nagar	A new SWD for a length of 475m of size 0.9 x 0.9 on both sides has been constructed at a cost of Rs.1.35 crores under ADB Kosasthalayar Basin Project	Puzhal Surplus
2	28	T.V.K Street	Presently construction of SWD drain work under package 14 and the work has been completed now	MRH Road
3	28	Annai Sathya Nagar	Construction of a new SWD has been proposed for a length of 450m of size 0.9 x 0.9. The work has been Completed by M/s.Annai Infra under ADB fund	GNT Road
3	28	Annai Sathya Nagar	Construction of a new SWD has been proposed for a length of 450m of size 0.9 x 0.9. The work has been Completed by M/s.Annai Infra under ADB fund	GNT Road
5	24	UCHC, GNT Road, Puzhal		Ottravadai st - Pura kulam
6	25	200 Feet East & West Service Road		200 Feet Road - Puzhal Surplus
7	32	Lakshmiamman nagar	The said location is a low lying area adjacent to Korattur surplus canal. Estimate has been prepared to construct a new SWD for a length of 400m of size varying from 0.9 x 0.9 - 140 m, 1.2 x 1.2 – 700m with 200 HP pump room at a cost of Rs.2.40 crores and Work Completed under ADB fund	Korattur Surplus

WATER STAGNATED LOCATION PHOTOS

Gurushanthi Nagar , Ward-23,Zone-3



Balaji Nagar ward–24,zone3



Annai Sathya Nagar,ward–28,zone3



Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

Water stagnated streets in the monsoon 2021 - mild rain

S.No	Ward	Name of the Street
1	32	Surapet Main Road near under bridge
2	31	Ring Road near Reliance Shop

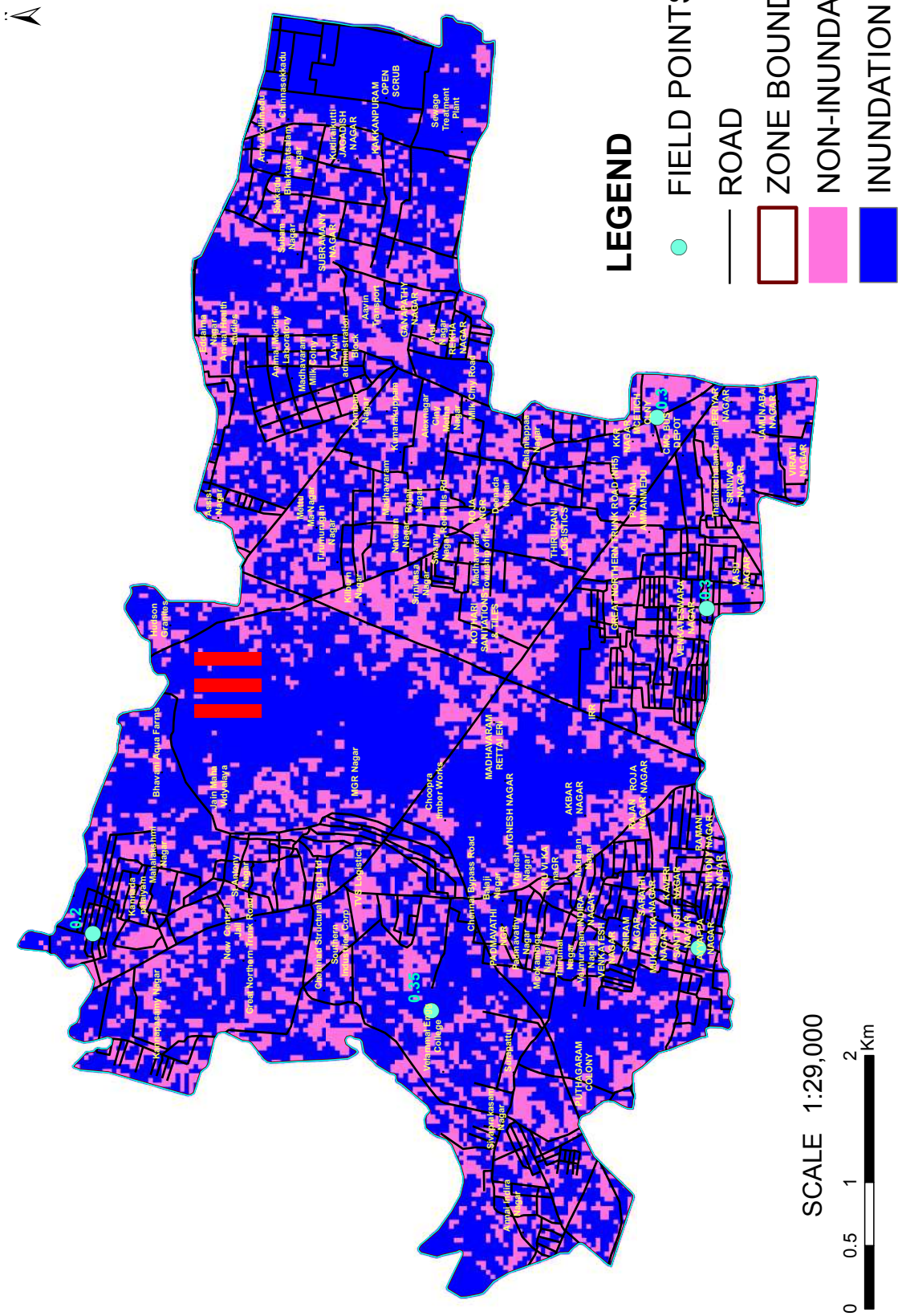
Water stagnated streets in the monsoon 2021 - Moderate rain

S.No	Ward	Name of the Street
1	32	Surapet Main Road near under bridge
2	31	Ring Road near Reliance Shop

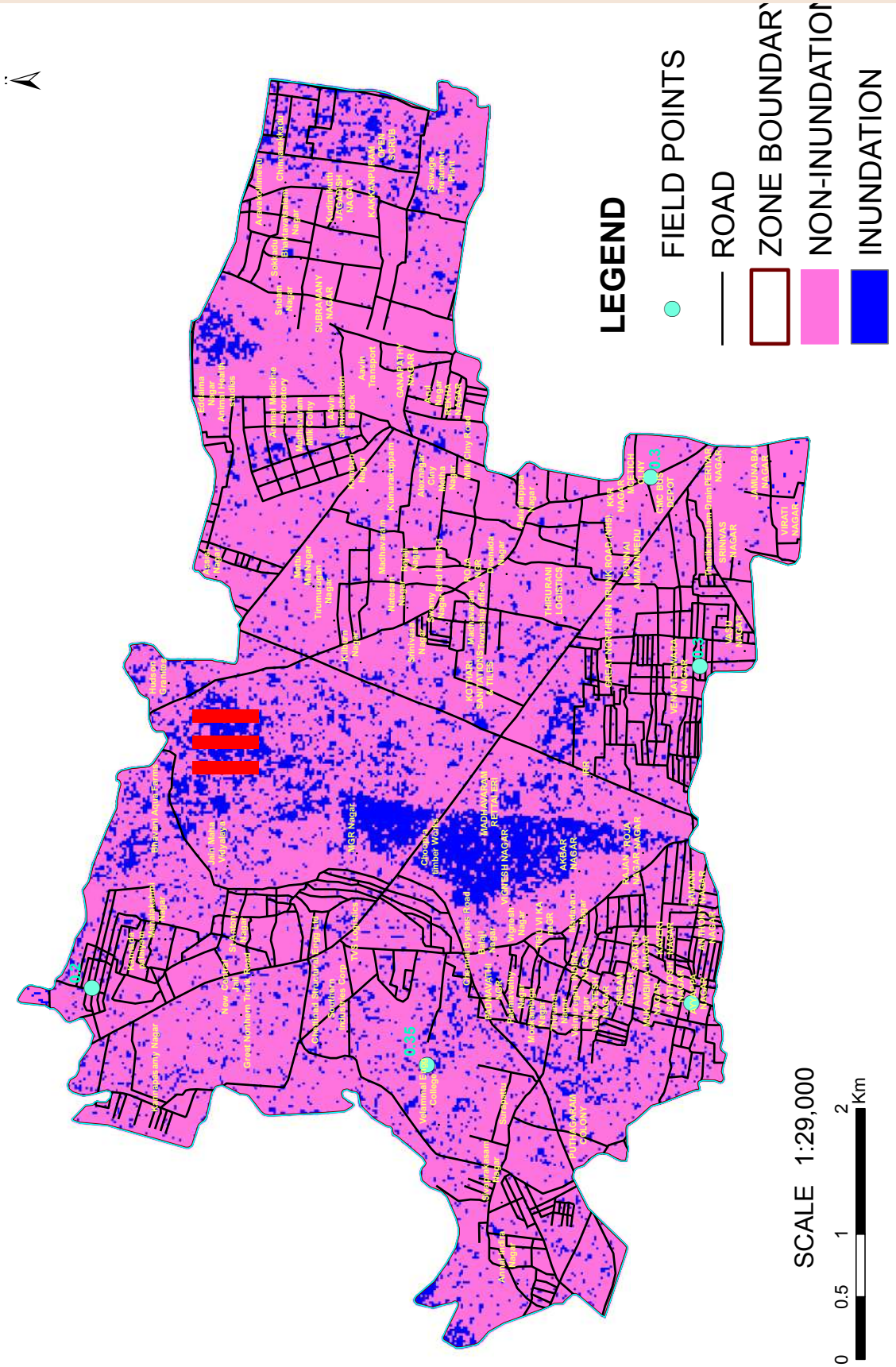
Stagnation of water in streets due to sewer blocks

Sewage over flow at Thirumalai Nagar Extn. Thirumalai Nagar, Sastri Nagar, Devaki Nagar, Vajravel Nagar areas due to non availability of pumping station and sewage pipe line leakages In Division 26.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

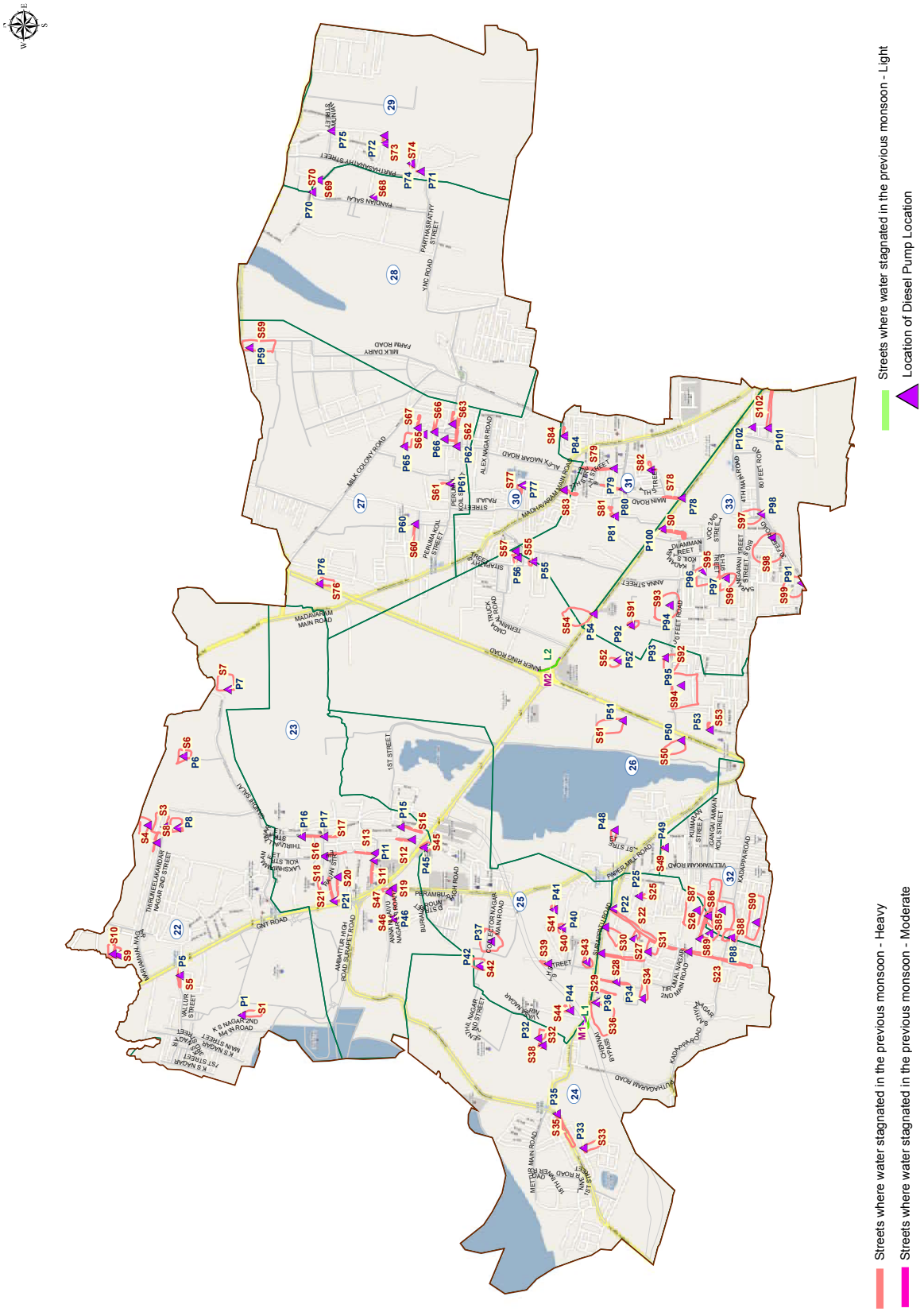


INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE III

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Relief Centres

There are 5 relief centres to a total capacity of 695 is readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres is given below.

Sl. No.	ward & Name	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
1	22	150	Gandhi Main Road Middle School	Gandhi Main Road	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94451 90683
								Evacuation & Relief Materials	Assistant Engineer	94451 90322
								Food & Drinking water	Assistant Revenue Officer	94451 90083

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
2	22	120	Kannappasamy Nagar 6th St Middle School	Kannappasamy Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94451 90683
								Evacuation & Relief Materials	Assistant Engineer	94451 90322
								Food & Drinking water	Assistant Revenue Officer	94451 90083
3	27	175	Madhavaram Milk colony Middle School	Madhavaram Milk colony	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94999 33621
								Evacuation & Relief Materials	Assistant Engineer	94451 90327
								Food & Drinking water	Assistant Revenue Officer	94451 90083

Sl. No.	ward & Name	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
4	25	100	Sembiam Road Middle School	Kathirvedu	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94999 33625
								Evacuation & Relief Materials	Assistant Engineer	94451 90325
								Food & Drinking water	Assistant Revenue Officer	94451 90083
5	30	150	Rajaji Street Middle School	Madhavaram	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	94999 33621
								Evacuation & Relief Materials	Assistant Engineer	94451 90330
								Food & Drinking water	Assistant Revenue Officer	94451 90083

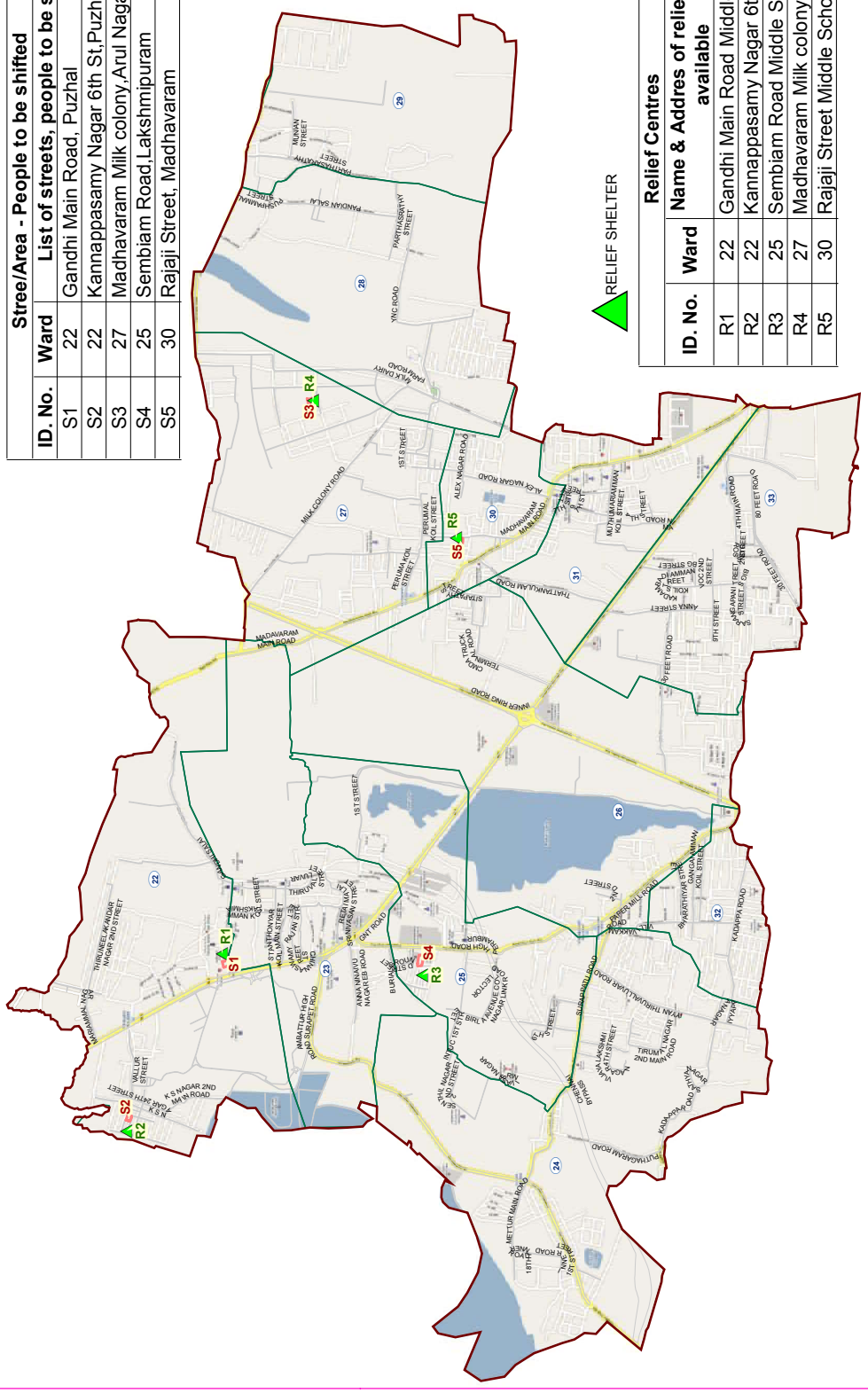
ZONE III
EVACUATION & RELIEF SHELTERS

Stree/Area - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	22	Gandhi Main Road, Puzhal
S2	22	Kannappasamy Nagar 6th St,Puzhal
S3	27	Madhavaram Milk colony,Arul Nagar
S4	25	Sembiam Road,Lakshmipuram
S5	30	Rajaji Street, Madhavaram

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R1	22	Gandhi Main Road Middle School
R2	22	Kannappasamy Nagar 6th St
R3	25	Sembiam Road Middle School
R4	27	Madhavaram Milk colony Middle
R5	30	Rajaji Street Middle School

STREET/AREA - People to be shifted

RELIEF SHELTER



Subways

There is no subway available as of now in this zone.

Tree fall

During the last monsoon, in Madhavaram zone totally 3 tree/branches were fallen and cleared. The major tree fall in this zone were noticed in the following locations in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1.	27	Milk Colony
2	27	Moolachatram
3	26	Assisi Nagar

Streets - where water entered houses - do not require evacuation

During the last monsson, 78 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2021 the under mentioned 80 locations were inundated for more than a day by which the normal day to day activity of 6900 people were standstilled. Flood water from these areas was cleared by using 80 pumps rangining from 3.5 HP to 10 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl.No.	Ward	Name of the area/ streets
1	23	Thirumalai Nagar
2	23	Sakthivel Nagar (Partly)
3	23	Thamizhan Nagar
4	23	Kanchi Arul Nagar
5	23	Mahalakshmi Nagar
6	24	Mettu Street
7	24	Thalamuthu Natarajan St
8	24	Anthoniar Koil St Area
9	24	Thiruppur Kumaran St
10	32	Iyyan Thiruvalluvar Salai
11	32	Santhosh Nagar
12	32	Velmurugan Nagar

Sl.No.	Ward	Name of the area/ streets
13	32	Madhavan Nagar
14	32	Sarathy Nagar
15	32	Venkata Sai Nagar
16	32	Vijayalakshmi Nagar
17	32	Elizabeth nagar
18	32	Thirumal Nagar
19	32	Purushothaman Nagar
20	32	Grace Nagar
21	31	David Jayavelu Nagar
22	31	Thiruvalluvar Street
23	31	Aringnar Anna Nagar
24	31	Veeraragavalu Nagar
25	31	Lingam Street
26	30	Ganesh Nagar
27	30	Anna Street, Kalpalayam
28	30	Secretariat Colony
29	30	Seethapathy Street
30	30	Samy Nagar
31	30	Thattankulam Road
32	26	Krishna Nagar Extn.
33	26	Edaima Nagar Area
34	26	Mandaveli 5th Street
35	26	Perumal Koil 6th Street
36	26	South Telephone Cly Mn Rd
37	26	North Telephone Cly 1st St
38	26	Ganesh Nagar & Extn.
39	26	Ramana Avenue
40	26	SSV Koil Street
41	26	Roja Street
42	27	Mookambigai Street
43	25	Pukraj Nagar (Partly)
44	25	VS Mani Nagar
45	28	Ambedkar Nagar

Sl.No.	Ward	Name of the area/ streets
47	28	Thiruvalluvar Street, Pandian Street
48	33	sarathi nagar 1 to 4 street,
49	33	sarathi nagar extension,
50	33	nandha nagar,
51	33	venkateshwara nagar,
52	33	arul nagar,
53	33	ganapathy nagar,
54	33	shankar nagar
55	33	bharathiyar street extension
56	33	bharathi nagar,
57	33	kalai magal nagar 1 to 4 street,
58	33	moogambigai nagar,
59	33	adilakshmi nagar
60	33	teachers colony 4th , 5th, 6th main road
61	29	annapoorna nagar,
62	29	balakrishna nagar,
63	29	sri vishnu nagar,
64	29	ganapathy nagar,
65	29	mohan nagar,
66	29	chellaia nagar,
67	29	munusamy nagar,
68	29	gandhi nagar
69	29	karpagam nagar,
70	29	v.p.c nagar,
71	29	srinivasa nagar
72	29	prakash nagar 1-12 street,
73	29	vidya nagar
74	29	anna street,
75	29	vgp nagar main road,
76	29	indra nagar
77	29	vedhachalam street
78	29	vasudeva thottam

Streets that require evacuation

During the heavy flood that occurred in 2015, in Madhavaram zone there were 50 people were evacuated from Thirumalai nagar and Aringnar Anna Nagar and they were accomodated in K.S Nagar COC School and Community hall. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and location of relief centers are given below.

Sl. No.	Ward /Name	Streets	No. of persons	Year	Relief centre
1	23 Kavangarai	Thirumalai nagar	25	2021	K.S Nagar COC School
2	31 Surapet	Aringnar Anna Nagar	25	2021	Community hall
		Total	50		

STREET WATER ENTER HOUSE

Secretariat Colony,ward 26,zone-3



Pukraj Nagar (Partly),ward -30,zone 3



STREET THAT REQUIRE EVACUATION WITH RELIEF CENTER







Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There is 1 battery powered light available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/ staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	23,24,31,32	Assistant Engineer	9445190910
2	26, 27, 28,29, 30, 31,32,33	Assistant Engineer	9445190909
3	23 to 33	Additional divisional Engineer (Zone)	9445190043

National Disaster Response Force (NDRF)

In Madhavaram zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain are given below

.

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	23	Chennai Middle School, Gandhi Main Street, Puzhal.
2	24	Poppili Raja School, Puzhal.
3	32	Chennai Primary School, Surapet
4	31	Chennai High School, Kathirvedu
5	30	Private school nearby Wesley School, Sastri Nagar Near Ring Road
6	25	Chennai Primary School, Rajaji Street.
7	33	Chennai Middle School Lakshmipuram

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of catamaram/rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & AE Number
1	23	Macro Marval	Division 23 Division Office	9445190322
2	23	Vegetarian Village		9445190322
3	32	Iyyan Thiruvalluvar Salai		9445190324
4	21	Arignar Anna Nagar,		9445190325
5	21	Rajiv Gandhi Nagar		9445190325
6	30	Ganapathy Siva Nagar & Devi Nagar	Division 30 Division Office	9445190326
7	29	Annapoorna nagar		9445190333

Transport Equipment/Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 4 open lorries, 1 JCB, 3 BOB CAT, 1 water tanker lorry are stationed for performing the job. The details of the lorries availability and the precautiionay measures which needs to be taken before rain are given below

No. of lorries and type kept in readiness
Open lorry - 4
Skid steer loaders (Bob cat) - 3
(Front end loader) JCB - 1

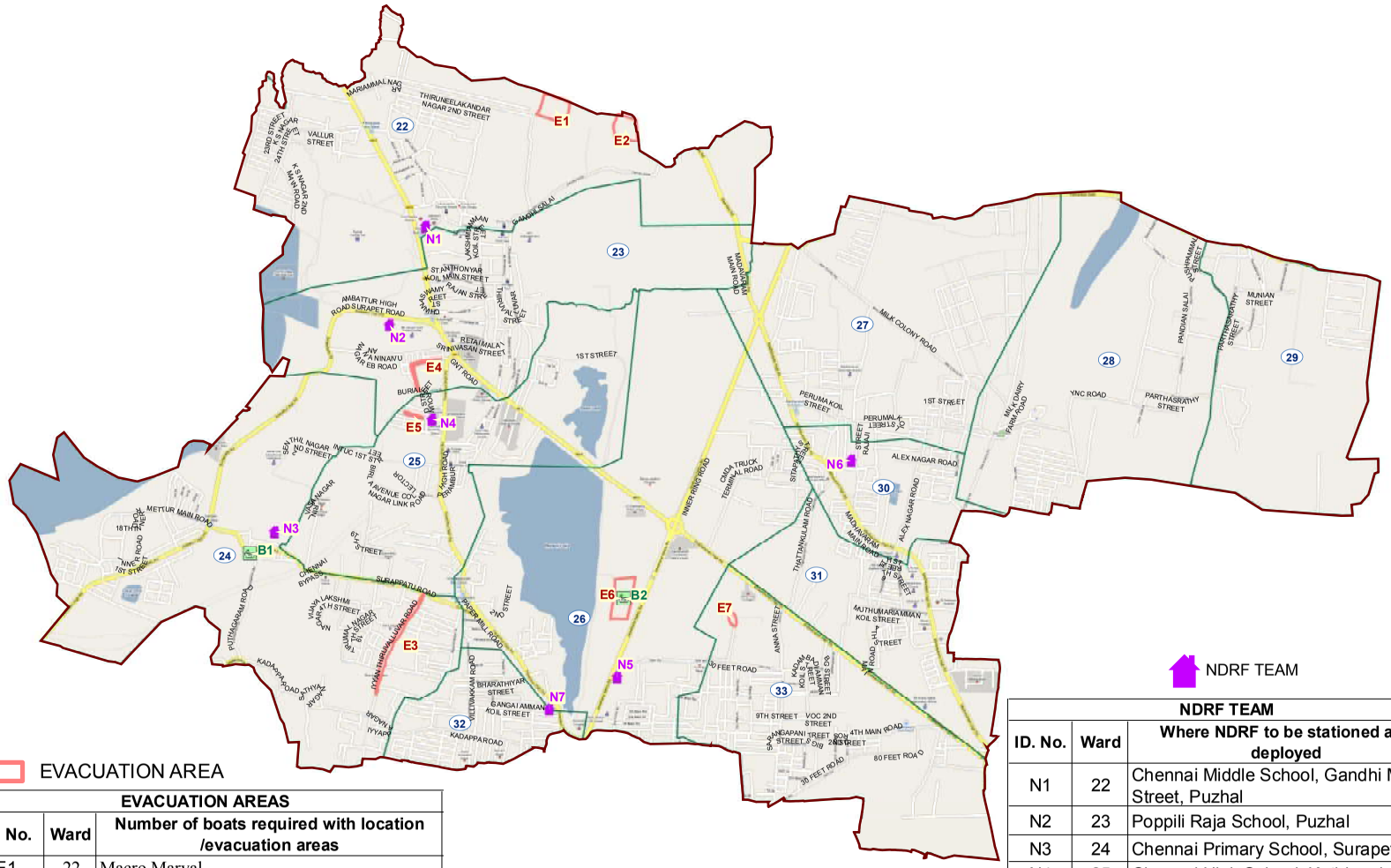
Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190323	1	3	4	1

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1.	23, Kavangarai	V.O.C 1st Cross Street
2	23 Kavangarai	V.O.C 2st Cross Street
3	23 Kavangarai	Sivaraj Main Cross St.
4	24 Puzhal	Punitha Anthoniyar 1st Cross 3rd Branch Street
5	24 Puzhal	Punitha Anthoniyar 3st Cross 3rd Branch Street
6	24 Puzhal	Punitha Anthoniyar 3rd Lane
7	24 Puzhal	Punitha Anthoniyar 2nd Main Street.
8	24 Puzhal	St. Anthoniyar Main 2nd Street
9	23 Puzhal	Lakshmiamman Koil Main 3nd Cross Street
10	24 Puzhal	Lakshmiamman Koil Main 2nd Cross Street
11	24 Puzhal	Sri Balaji Nagar 4th Street

Sl.No	ward /Name	Street Names
12	26 Alex Nagar	Perumal Koil Thottam 2nd Cr 2nd and 3rd crossStreet
13	2 Alex Nagar	Edaima Nagar 3rd Cross St.
14	26 Alex Nagar	Edaima Nagar 5th Cross St.
15	26 Alex Nagar	Edaima Nagar 6th Cross St.
16	26 Alex Nagar	Edaima Nagar 7th Cross St.
17	26 Alex Nagar	Edaima Nagar 8th Cross St.
18	26 Alex Nagar	Edaima Nagar 10th Cross St.
19	26 Alex Nagar	Edaima Nagar 12th Cross St.
20	26 Alex Nagar	Edaima Nagar 13th Cross St.
21	26 Alex Nagar	Edaima Nagar 14th Cross St.
22	25 Madhavaram	Bharathiar 1st cross st
23	25 Madhavaram	Bharathiar 5th cross st
24	28 Udayar Thottam	Kannapuram 1st street
25	29 Ponniamman Medu	Bajanai koil 1st st
26	29 Ponniamman Medu	Periya salai 1st cr st

ZONE III
EVACUATION AREA, NDRF & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	22	Macro Marval
E2	22	Vegetarian Village
E3	24	Iyyan Thiruvalluvar Salai
E4	25	Arignar Anna Nagar
E5	25	Rajiv Gandhi Nagar
E6	26	Ganapathy Siva Nagar and Devi Nagar
E7	33	Annapoorna nagar

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	22, 24, 25	Division 24, Division Office
B2	26, 33	Division 26, Omakulam Madu

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	22	Chennai Middle School, Gandhi Main Street, Puzhal
N2	23	Poppili Raja School, Puzhal
N3	24	Chennai Primary School, Surapet
N4	25	Chennai High School, Kathirvedu
N5	26	Private school nearby Wesley School, Sastri Nagar Near Ring Road
N6	30	Chennai Primary School, Rajaji Street
N7	32	Chennai Middle School Lakshmipuram

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee –23 - Kavankarai
Ward councillor – 9445467023

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190323
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025823
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190523
GCC - Revenue	Tax Collector	9840849665
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930123
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
	Sup.Engineer	8144931000
TANGEDCO	Junior Engineer	044-25376218, 044-25370796
	Assistant Engineer Grand Line	9445850362
	Assistant Engineer Puzhal	9445850363
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721, 9445086166
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	9790753172
NHAI	Assistant Engineer	9742435301

Ward committee – 24 - Puzhal
Ward councillor – 9445467024

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190324
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025824
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445191406
GCC - Revenue	Tax Collector	9840849665
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930124
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	9790753172
NHAI	Assistant Engineer	9742435301

Ward committee – 25 - Chinnasekkadu

Ward councillor – 9445467025

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190325
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025825
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190525
GCC - Revenue	Tax Collector	9600147606
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930025
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
TANGEDCO	Assistant Engineer	9445850905
	Assistant Exe. Engineer	9445850904
	Executive .Engineer	9445850889
BSNL	Assistant Engineer	9445122121
	Office	044-25584040 044-26720100 044.25941000
	JTO	9445367008
	Executive .Engineer	9444400405
Fire service	Inspector	044-25530721
	Office	044-25941147
	Station Officer	9445086020
Police station	Inspector	8754434515
	Office	044-25940866
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Asst. Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 26 - Madhavaram

Ward councillor – 9445467026

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190326
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025826
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190526
GCC - Revenue	Tax Collector	9092009120
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930026
	Assistant Exe. Engineer	8144930206
	Executive .Engineer	8144930903
	AE Water tank	8144930028
TANGEDCO	Junior Engineer	044-25376218 044-25370796
	Assistant Engineer	9445978505
	ADE	9445850872
	Executive .Engineer	9445850871
	Sup.Engineer	9445850909
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25530721
Police station	Inspector	9445462717
	M1 Station	9176640551
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 27 - Madhavaram

Ward councillor – 9445467027

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190327
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025827
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190527
GCC - Revenue	Tax Collector	9551023190
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930027
	Assistant Exe.Engineer	8144930206
	Executive .Engineer	8144930903
	Sup.Engineer	8144931000
TANGEDCO	Assistant Engineer	9445850905
	Assistant Exe.Engineer	9445850904
	Executive .Engineer	9445850889
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25941147
	SO	9445086020
Police station	Inspector	9445462717
	Sub.Inspector	9498142127
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 28 - Madhavaram

Ward councillor – 9445467028

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190328
GCC - Electrical	Assistant Engineer	9445190909
GCC- Health	Sanitary Inspector	9445025828
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190528
GCC - Revenue	Tax Collector	9043719796
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930028
	Executive .Engineer	8144930903
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044-25584040 044-26720100
	Assistant Engineer	9445019950
		044-25550055
Fire service	Inspector	044-25550055
Police station	Inspector	9840285870
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 29 - Ponniammanmedu
Ward councillor – 9445467029

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190329
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025829
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190529
GCC - Revenue	Tax Collector	9043719796
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930129
TANGEDCO	Junior Engineer	9445850864, 9445978506
BSNL	Assistant Engineer	044-25584040/26720100
Fire service	Inspector	044-25530721
Police station	Inspector	044-25531010, 9840777660
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 30 - Thanigachalam Nagar
Ward councillor – 9445467030

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190330
GCC - Electrical	Assistant Engineer	944590909
GCC- Health	Sanitary Inspector	9445025830
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190530
GCC - Revenue	Tax Collector	9840282957
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930026
	Assistant Engineer (Water)	8144930566
	Assistant Engineer (Sewer)	8144930596
	Office	044-25530100
TANGEDCO	Junior Engineer	044-25376218 044-25370796
	DE	9445850871
	ADE	9445850872
	Madhavaram M1(Thattankulam)	9445850873
	Madhavaram M1 (Ponniammanmedu) Assistant Engineer	9445850874 9445850875 9445850864 9445850862
BSNL	Assistant Engineer	044-25584040,044-26720100
Fire service	Inspector (Madhavaram)	044-25530721
	Inspector (Redhills)	044-26418468
Police station	Inspector Madhavaram	044-26590989 984028587 044-23452783
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	9566215665
NHAI	Assistant Engineer	9884449183

Ward committee – 31 - Kathirvedu
Ward councillor – 9445467031

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190331
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025831
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190531
GCC - Revenue	Tax Collector	9940074338
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930131
	Assistant Engineer	8939870025
	Assistant Ex.Engineer	8144930206
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917

Ward committee – 32 - Surapet
Ward councillor – 9445467032

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190332
GCC - Electrical	Assistant Engineer	9445190910
GCC- Health	Sanitary Inspector	9445025832
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190532
GCC - Revenue	Tax Collector	8778514338
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930124
TANGEDCO	Junior Engineer	044-25376218/25370796
BSNL	Assistant Engineer	044 – 26591919
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917
TNEB	Assistant Engineer	9445850764,9445850363

Ward committee – 33 - Lakshmipuram
Ward councilor – 9445467033

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190333
GCC - Electrical	Assistant Engineer	9445477696
GCC- Health	Sanitary Inspector	9445025833
GCC - Veterinary	VAS	9445026048, 9445026042
GCC - Solid waste management	Conservancy Inspector	9445190533
GCC - Revenue	Tax Collector	9382171451
Revenue	Revenue Inspector	044-25532143
GCC - Park overseer	Park Supervisor	9445071064
CMWSSB	Assistant Engineer	8144930033
	Executive .Engineer	8144930903
TANGEDCO	Junior Engineer	9445850864, 9445978506
BSNL	Assistant Engineer	044-25584040 044-26720100
	Assistant Engineer	9445009977
Fire service	Inspector	044-25530721
Police station	Inspector	044-26590989,97899531417
PWD	Assistant Engineer	9003653636 / 78268 50220
TUHDB	Assistant Engineer	-
Highways	Divisional Engineer	95662 15665
NHAI	Assistant Engineer	80723 80917
TNEB	Assistant Engineer (Lakshmipuram)	9445850864
	Assistant Engineer (Rettari)	9445978506
	ADE	9445850872
	Executive .Engineer	9445850871

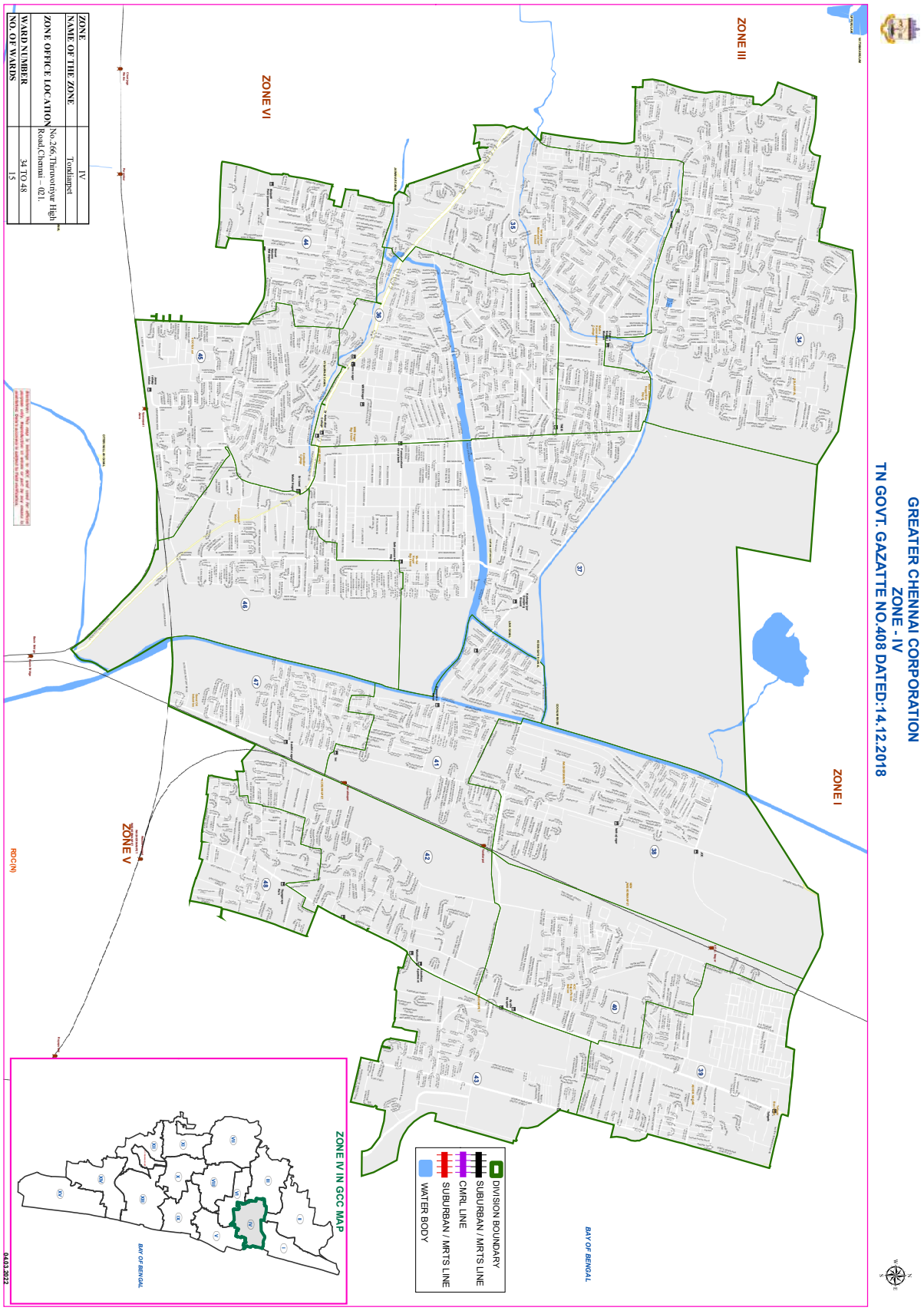
ZONE - IV

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TONDIARPET

ZONE IV- WARD BOUNDARY



Prof ile

Tondairpet zone lies in **Latitude 13.1192°, Longitude 80.2854°** and extents to n area of **23.83 Sq.km**.

In this zone there are 2902 roads, out of which 2851 roads to a length of 394 Km are Interior Roads, 47 Roads to a length of 36.99 Km are Bus Route Roads which are maintained by GCC and the remaining 3 roads are under the maintenance of Highways department and 1 road is under TNRDC.

The population is about 6.47 lakhs having Male population of 50.09 % and Female population of 63,480 % in this zone. The most densed area in the zone is Kodungaiyur with a population of 82,000 and the least is Vyasarpadi with a population of 38819. The Ward wise population is given below,

Sl. No.	Ward / Name	Total House Holds	Total Population
1	34Kodungaiyur Village	12431	49723
2	35 Kodungaiyur	18,565	82,000
3	36 Erukenchery	18726	74905
4	37 Kodungaiyur	19357	77,427
5	38 Tondiarpet	15982	63929
6	39 Cherian Nagar	17185	68470
7	40 VOC Nagar,Ammani Ammal Thottam	10112	40446
8	41 Kumarasamy Nagar South	10028	40111
9	42Tondiarpet	12375	44156
10	43 Kasimedu	12759	51034
11	44 Perambur Market	14846	59385
12	45 Ganesapuram	15683	62730
13	46 Vyasarpadi	9705	38819
14	47 Korukkupet	19964	79855
15	48 Parthasarathy Nagar	10952	43807
	Total	**218670**	**876797**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	34 to 48	9840796759
2.	DRO / Zonal Officer	34 to 48	9445190004

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U – 9 & 11, Div – 34 to 37 & 44 to 46	94451 90940
2	Executive Engineer-2	U-09,10 & 11, Dn-38-43,47 & 48	9445190024
3	Assistant Executive Engineer	U-09 (Div 34, 35 & 36)	9445190109
4	Assistant Executive Engineer	U-10 (Div-39,40,42 & 43)	9445190110
5	Assistant Executive Engineer	U-11 - (44, 45 & 46)	9445190111
6	Additional Divisional Engineer, Electrical	38 to 41	944546710
7	Assistant Executive Engineer (Additional)	Div- 37, 47 & 48	9445026102
8	Additional Divisional Engineer, Electricla	34 to 48	9445190044
9	Assistant Executive Engineer, Mechanical	34 to 48	9445190480

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Assistant Executive Engineer	34 to 48	9445467310
2.	Conservancy supervisor	Unit-09	94451 91409

3.	Conservancy supervisor	Unit-10	94451 91410
4.	Conservancy supervisor	Unit-11	94451 91411

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone 04	9445190064
2	Veterinary Surgeon	Zone 04	9445194749
3	Junior Entomologist	Zone 04	9445036569
4	Sanitary Officer	Unit-09	9445025837
5	Sanitary Officer	Unit-10	9445025842
6	Sanitary Officer	Unit-11	9445025837

Parks

There are 49 Parks available in Tondiarpet zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. .	Team member contact	Equipment available	Area of operation
1	Park Overseer 9445071070	Saws-15 nos	Tondiarpet (Ward 34 to 48)

S.No	Ward	Name Of Ward	Location of the Park
1	34	Jambuli Village	Binny Nagar Main Road Park Binny Nagar Main Road New Park Venkateshwara Colony V Street Park UnionCar-bideColony 14th StreetPark UnionCarbideColony 9th StreetPark Kavari Nagar Park
2	35	Kodungaiyur	Krishnan Street (R C APPT) Park, Muthamizh Nagar 9th Street Park,
3	36	Erukenchery	Bharathi Nagar V Street Park, Vasugi Nagar Park, M.R.Nagar Park, Sharma Nagar 1st Main Road, Sharma Nagar 3st Main Road, Indra Gandhi Nagar Park E.H Road,
4	37	Kodungaiyur	Lingesan Street Park, Jawahar Street Park, Vivekanada Street Park, Ambedkar Street Park, Sasirekamma Nagar Park, Kannadasan Nagar 7th block park, Srinivasan Street Park, Gandhi Street Park, 13th Cross Street MKB Nagar park, 16th West Cross Street MKB Nagar, 4th Cross Street MKB Nagar,
5	38	Tondiarpet	PattelNagar Park
6	39	Tondiarpet	Thanthai Periyar Park
7	40	VOC Nagar,Ammani AmmalThottam	Cross Road (Brindavan) Park, Elaya Street (Emmar) Park, Thiruvalluvar NagarPark,Tsunamiquarters B&M,Block park
8	41	Kumarasamy Nagar South	MGR Nagar Park &Nehru nagar Park,
9	42	Tondiarpet	Jeeva Park, Thiyagaraya park, Rettai kuzhi Street, Kailasam Street Park
10	44	Perambur Market	Sathiyavani Muthu Park
11	45	Ganesapuram	Kasturibai Gandhi Nagar, Desikananda Park, Vysar Nagar V Street Park, Sanjai Nagar Park,

12	45	Ganesapuram	Kasturibai Gandhi Nagar, Desikananda Park,Vysar Nagar V Street Park, Sanjai Nagar Park,OSR Park Stephenson lane
13	46	Vyasarpadi	Sathyamurthy Nagar Park,
14	47	KORUKKUPET	1.BHARATHI NAGAR TNUHDB, ECO park at CB Road
15	48	Old washermenpet	Telugu Street Park

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 33 pumping stations available in Tondiarpet Zone with average capacity of 9.30MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps-condition
1	Tondiarpet F New PS(Relay)	45	270HP- 3
2	Tondiarpet A PS	12	70 Hp - 3
3	Tondiarpet D PS	3	40 HP CF - 1 ,20 HP CF 1 ,20 HP SUB 1
4	Tondiarpet E PS	3.8	40 HP 2
5	Kannadasa Nagar PS	14	50HP SUB 2
6	Muthamizh Nagar PS	2.8	40HP SUB 1 And 30HP SUB 1
7	C B Road Ps	7	60 HP 1 ,20HP Sub 1
8	Erukkencherry PS	100	215 HP SUB 1 ,150 HP 3 and 1
9	R K Nagar rth PS	10	50 HP SUB 2 ,75 HP 2
10	MKB Nagarps	20	60 HP SUB 2 ,20 HPSUB 1
11	Damodara Nagar PS	3	20 HP SUB 1 ,7 HP SUB 1
12	Poongavanam Nagar PS	2.5	30 HP SUB 2
13	Thendral Nagar PS	2.6	20 HP SUB 3
14	D B K PS	3	20 HP SUB 1 , 10 HP SUB 1 ,32.5 HP SUB 1
15	R R Nagar PS	1.2	15 HP SUB 2
16	K M Nagar PS	1.2	15 HP SUB 2
17	Ranganatha Puram PS	1	7 HP SUB 1 , 4.6 HP SUB 1
18	Singara Vel Nagar PS	1	10 HP SUB 2
19	Vinayagapuram PS	0.3	2 HP SUB 1 , 4.6 HP SUB 1
20	T V Nagar PS	5	50 HP SUB 2
21	N Nagar PS	2.5	30 HP SUB 2
22	Kadumbadi Amman PS	15	60 HP SUB 2 And 50 HP SUB 1

Sl. No.	Pumping Station	Capacity MLD	No. of pumps-condition
23	Kamaraj Salai Ps	5	12 HP SUB 2 And 20 HP SUB 1
24	KB4 PS	2.8	20 HP SUB 3
25	Tondiarpet F Old PS	4	7 HP SUB 2, 10 HP SUB 1 ,30 HP SUB 1
26	Kasimedu Ps	10	60 HP SUB 2
27	Senniamman Koil Ps	1.5	5HP CF 1,12.5 HP CF 1 ,10 HP SUB 1
28	Verra Kutty PS	1.5	4.6 HP SUB 1 And 1 t
29	Vyasarpadi Ps	7.5	50 HP SUB 2 And 30 HP SUB 1
30	Vyasarpad Lake Area Ps	7.5	50 HP SUB 1 And 30 HP SUB 1
31	Melpattadai PS	7.5	75 HP SUB 2 And 73 HP CF 1
32	Bharathi Nagar PS	1	10 HP SUB 2
33	RANGANATHAPURAM P.S	1	10 HP SUB 2
34	C.B.ROAD P.S	1	10 HP SUB 2
35	Nainiappan street	2	30 HPSUB3
36	DBK street	1	30 HPSUB2

Tamilnadu Urban Habitat Development Board

There are 19 TNUHDB tenements in Tondiarpet zone with a population of 39098. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward	Tenement location	No. of tenement	Population
1	47	Bharathy Nagar-11Block	432	2300
2	47	Ranganathapuram-18 Block	480	2400
3	46	S M Nagar-Samanthipoo Colony, Moorthingar Street Tenements	2286	7830
4	37	Parthasarathy Nagar-4 Blocks	128	640
5	37	SM Nagar	1020	5100
6	37	MGR Nagar	180	900
7	37	Udayasuriyan Nagar	684	3420
8	38	Navalar Nagar	480	2400
9	39	Poodithangammal Street-20 Block	672	3360
10	39	Nagooranthottam	872	4360
11	40	VOC Nagar-18 Block	1914	9570
12	43	Power Kuppa m	620	3100
13	40	Tsumani Quarters	964	4820

Sl. No.	Ward	Tenement location	No. of tenement	Population
14	42	Seniamman Koil Quarters	440	905
15	42	Thilagar Nagar Quarters	560	2024
16	42	Ranganathapuram Quarters	525	1911
17	41	CornationNagar	240	1200
18	42	Thilagar Nagar	720	3600
19	43	Kasipuram	322	1610
20	40	Thiruvalluvar Quartres	124	620
21	41	MGRNagar10thBlock	188	940
22	37	RRNagar to be removed	288	1440
23	43	SINGRAVELAN (MGR NAGAR)	113	453
24	48	Parthasarathy Nagar	128	512
		Total	**14380**	**65415**

Contact details

Department	Designation	Area	Contact .
TNUHDB	Executive Engineer	Area IV	9445074846
Conservancy/GCC	Conservancy Supervisor	34 TO 38 (Unit 9)	9445191409
Conservancy/GCC	Conservancy Supervisor	39 TO 43 (Unit 10)	9445191410
Conservancy/GCC	Conservancy Supervisor	44 TO 48 (Unit 11)	9445191411
Water Supply& Sewage /CMWSSB	Area Engineer	Area Engineer/04	8144930904

Water Bodies and Waterways

There are 8 Canals passing in this zone **(1) Kodungaiyur canal north** is maintained by GCC which starts from Kattabomman street and travels about 1.15 km in this zone and leaves at Muthamizh nagar **(2) Kodungaiyur canal south** is maintained by GCC travels from Kamaraj salai to Muthamizh nagar to a length of 1.675 km **(3) Kodungaiyur main canal** is maintained by GCC travels from Chinnadimadam to MGR Nagar to a length of 2.595 km, **(4) Link canal** is maintained by GCC that starts in this zone at Rajarathinam Nagar travels till Chandrasekaran Nagar to a length of 0.530 km, **(5) North B'canal** is maintained by PWD travels from Ambedkar street to Parameshwari Nagar to a length of 3.9 km, **(6) Captain cotton canal** is maintained by GCC starts from EH road travels upto Chandrasekaran Nagar to a length of 3.05 km, **(7) Vyasarpadi canal** is maintained by GCC starts from Ambedkar college travels upto EH Road bridge length of 1.350 km, **(8) Jawahar canal** is maintained by GCC starts from Rajangam street to EH Road length of 0.75 km.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 105.5 km to ease the flow of rain water. The details of various water bodies in this zone is listed below

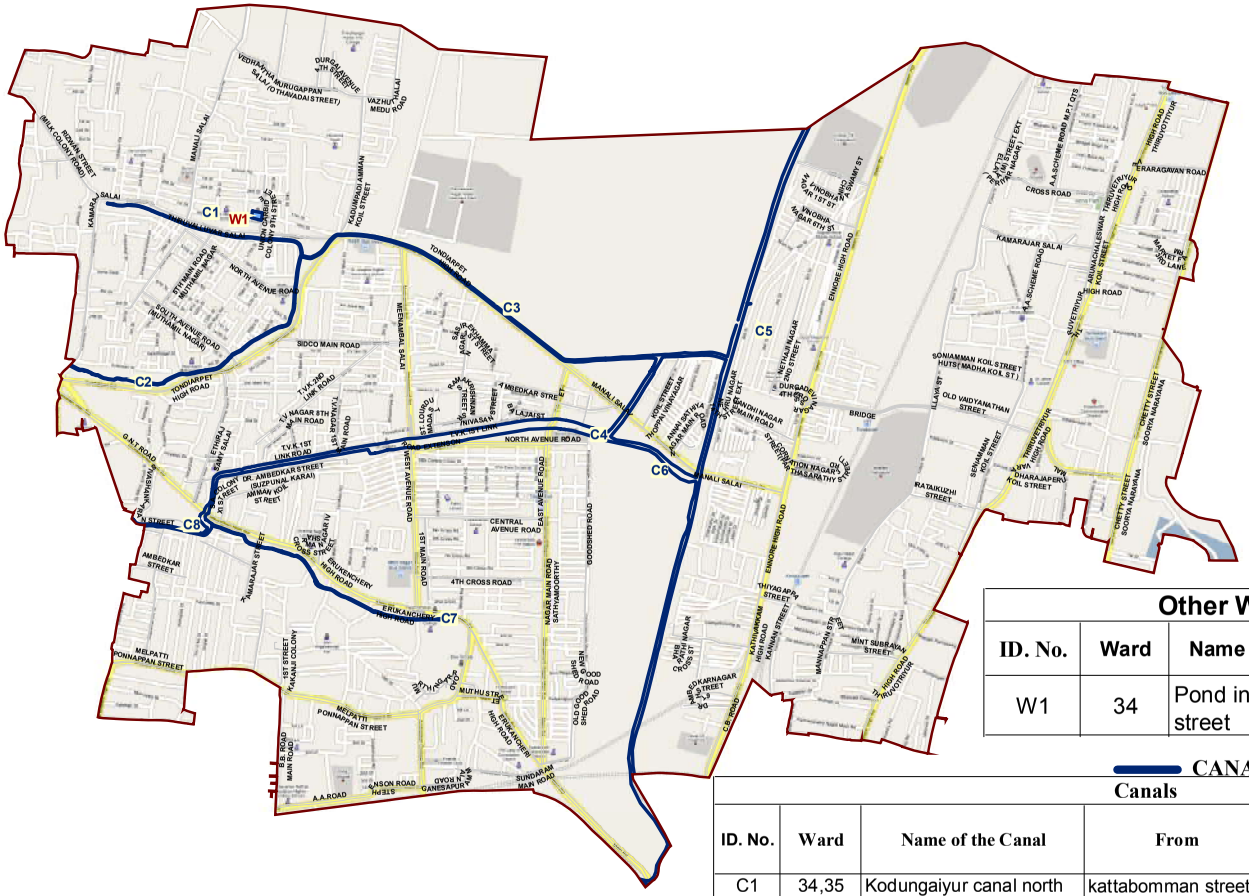
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Kodungaiyur canal north	34,35	kattabomman street	Muthamizh nagar	1.150
2	Kodungaiyur canal south	35	kamaraj salai	Muthamizh nagar	1.675
3	Kodungaiyur Main canal	35 to 41	Chinnadimadam	North B Canal MGR Nagar	2.595
4	Link canal	37 to 41	Captain Cotton Canal Rajarathinam Nagar Chandrasekar Nagar	Chandrasekaran Nagar	0.530
5	North B'Canal	47 to 38	Ambedkar street	Parameshwari Nagar	3.90
6	Captain cotton canal	36 to 41	EH Road	Chandrasekaran Nagar	3.050
7	Vyasarpadi canal	45 to 36	Ambedkar college	EH Road Bridge	1.350
8	Jawahar Canal	44 to 36	Rajangam Street	EH Road	0.75

Other water bodies

Sl No	Ward No	Name of other water bodies	Length / Area
1	34	Pond in union Carbide 9th street	2616 m^2

ZONE IV - WATER BODIES



Other Water Bodies

ID. No.	Ward	Name of other water bodies	Length / Area
W1	34	Pond in union Carbide 9th street	2616 m^2

Canals

ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	34,35	Kodungaiyur canal north	kattabomman street	Muthamizh nagar	1.15
C2	35	Kodungaiyur canal south	kamaraj salai	Muthamizh nagar	1.675
C3	35 to 41	Kodungaiyur canal Main	Chinnadimadam	MGR Nagar	2.595
C4	37 to 41	Link canal	Rajarathinam Nagar	Chandrasekaran Nagar	0.53
C5	47 to 38	B'Cnal	Ambedkar street	Parameshwari Nagar	3.9
C6	36 to 41	Captain cotton canal	EH Road	Chandrasekaran Nagar	3.05
C7	45 to 36	Vyasarpadi canal	Ambedkar college	EH Road Bridge	1.35
C8	44 to 36	Jawahar Canal	Rajangam Street	EH Road	0.75

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

366 storm water drains to a length of 105.55 Km were constructed to ease the flow of rain water in Tondiarpet zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length in SWDs in'km'
1	34	51	12.42
2	35	30	10.15
3	36	38	10.39
4	37	44	17.99
5	38	39	10.48
6	39	18	5.85
7	40	18	8.45
8	41	12	3.05
9	42	12	3.91
10	43	9	3.51
11	44	41	8.85
12	45	35	8.57
13	46	26	8.46
14	47	15	4.30
15	48	22	4.16
Total		**392**	**117.19**

Water stagnated Streets in the monsoon 2015- Heavy rain

During the last monsoon,26 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

Water stagnated streets in the monsoon 2015 - heavy rain

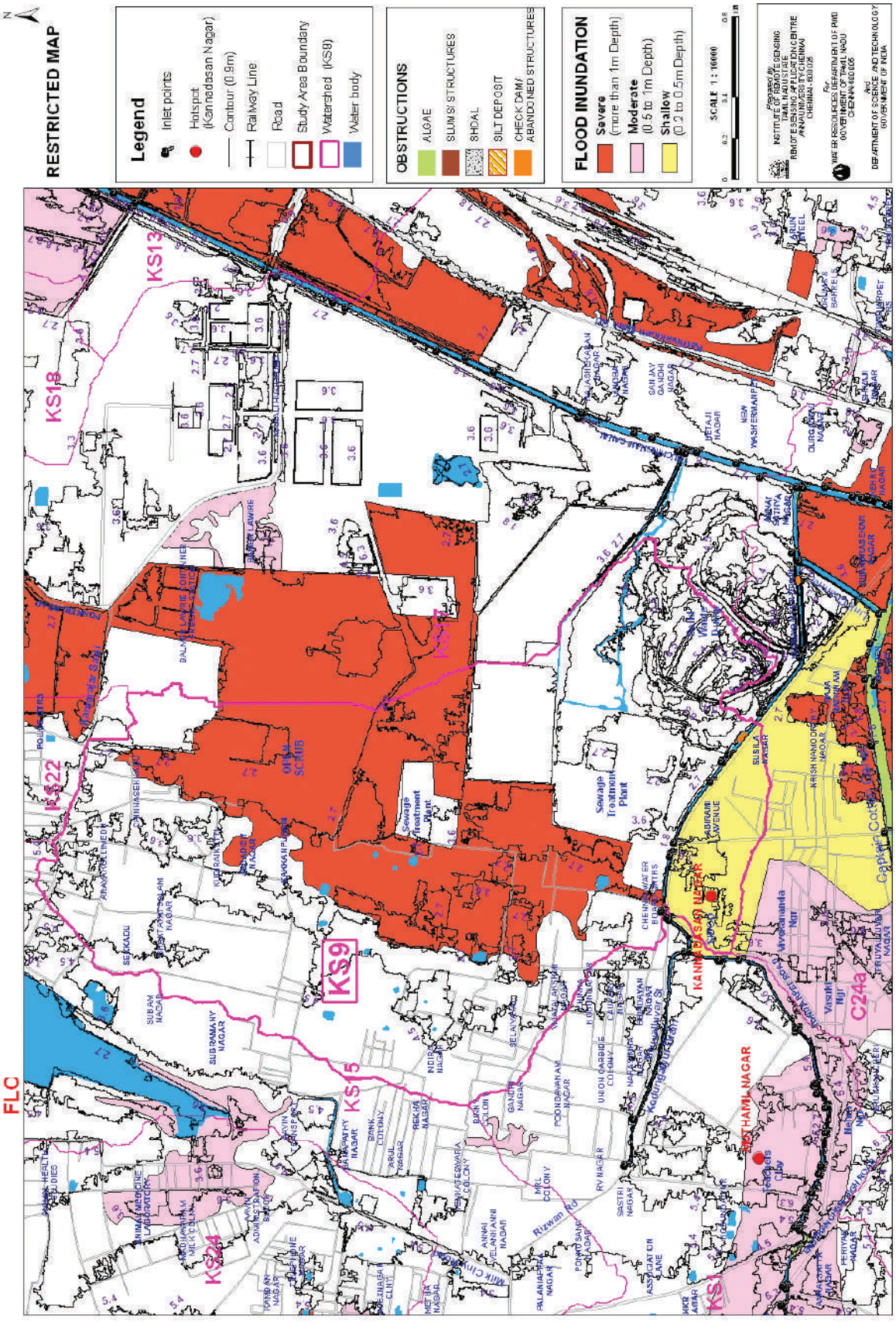
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	34	Durgai Avenue	5HP -2	Vedhandhamurugappan St Jn of Durgai Avenue 1st Main Road	Kodungaiyur Canal
2	34	Ponnuswamy Nagar	10HP -1		
3	34	Thendral Nagar	10HP -1	Kadumpadiamman Koil Street SWD	
	34	Govindaswamy Nagar	10HP-1	Vazhuthalaimedu Road SWD	Kodungaiyur Canal
4	35	Muthamil Nagar 7th Block	5 HP, 10 HP and 15 HP	Muthamil Nagar 7th Block	Rain Water discharged to Storm Water Drain
5	35	Muthamil Nagar 8th Block		Muthamil Nagar 8th Block	
6	36	TVK 1st Link Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
7	36	Dr. Radhakrishnan Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
8	36	Ambedkar Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
9	36	Sharma nagar 3rd Main Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
10	36	Indra Nagar 2nd Cross Street	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
11	36	19th West Cross Street, MKB Nagar	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		
12	36	Thiruvalluvar Nagar 8th Main Road	Canal Overflow into this area so not feasible of pump usage-natural Disposal to SWD		

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
13	37	MKB Nagar 16th to 19th Central and East	5 HP, 10 HP and 15 HP	MKB Nagar 16th to 19th Central and East	Rain Water discharged to Storm Water Drain
14	37	RR Nagar 3rd &4th Main Road		RR Nagar 3rd &4th Main Road	
15	37	RR Nagar 5th,6th and 2nd Main Road		RR Nagar 5th,6th and 2nd Main Road	
16	37	RR Nagar 2nd,3rd,5th & 6th Cross Road		RR Nagar 2nd,3rd,5th & 6th Cross Road	
17	37	KKD Nagar		KKD Nagar	
18	37	Santhiya Nagar		Santhiya Nagar	
19	37	Subramani Street		Subramani Street	
20	37	Lord Madha Street		Lord Madha Street	
21	37	Srinivasan Street		Srinivasan Street	
	38	Duragdevi Nagar 6th Cross Street Ext.	5HP-1	Duragdevi Nagar 6th Cross Street Ext.	Rain Water discharged to Storm WaterDrain
	38	Nethaji Nagar Market Street	5HP-1	Nethaji Nagar Market Street	Rain Water discharged to Storm WaterDrain
	38	Nethaji Nagar A Street	5HP-1	Nethaji Nagar A Street	Rain Water discharged to Storm WaterDrain
	38	Tamilar Nagar Backside	7.5HP-1	Tamilar Nagar Backside	Rain Water discharged to Storm WaterDrain
	38	Nedunchezhiyan Nagar	5HP-1	Nedunchezhiyan Nagar	Rain Water discharged to Storm WaterDrain
	39	Ilaya Street, KamarajStreetin Div - 40	25HP– 2 Nos ElectricalMotor	AEKoilStreetPump Room	SWDatQQ Scheme Roads

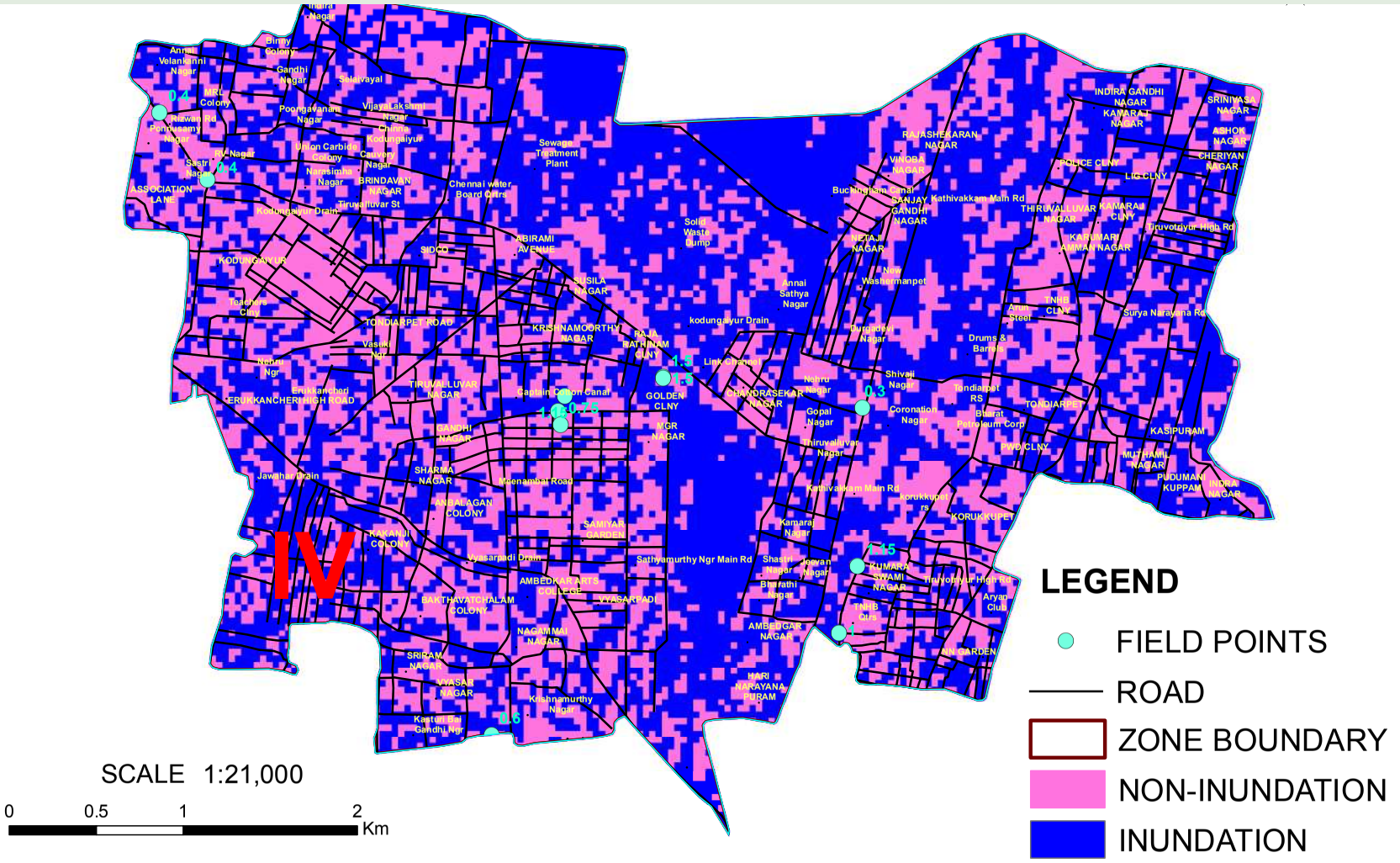
S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
24	40	Thiruvalluvar Quarters	10HP-3, 7HP – 1 2HP- 1, Super Sucker	Thiruvalluvar Quarters back side Entrance	Ellaya Street
25	40	VOC Nagar		28th Link Street TP Scheme Road	Ellaya Street
26	40	Chelliamman kovil Street	Canal Overflow this area so not feasible of pump usage		
	41	M.G.R NAGAR CANAL ROAD	10HP	M.G.R NAGAR MOTOR ROOM	B CANAL
	41	ANNAI SATHYA NAGAR NEAR SERVICE ROAD	10HP	ANNAI SATHYA NAGAR MOTOR ROOM	B CANAL
27	42	Kailasam Street	5HP-2	Junction Ilaya Street	Ilaya Street SWD
28	42	Rettaikuzhi Street	5HP-1	Police Station	TH Road SWD
29	43	New Amaranjipuram	5HP-1	SN Chetty Street Jn	SN Chetty Street SWD
	46	C Kalyana puram 1st Street	Petrol HP-1 No,5 HP Submersible -1	Balakrishnan Street	Vyasarpadi Canal
30	47	CBRoad&KH Road	10HP-1,5HP- 1,3HP-1	Sigirinthapalayam4th St	Kamarajar 10th,12th Streetupto B Canal
31	48	Parthasarathy street	25 hp	Parthasarathy street	Parasuraman street

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

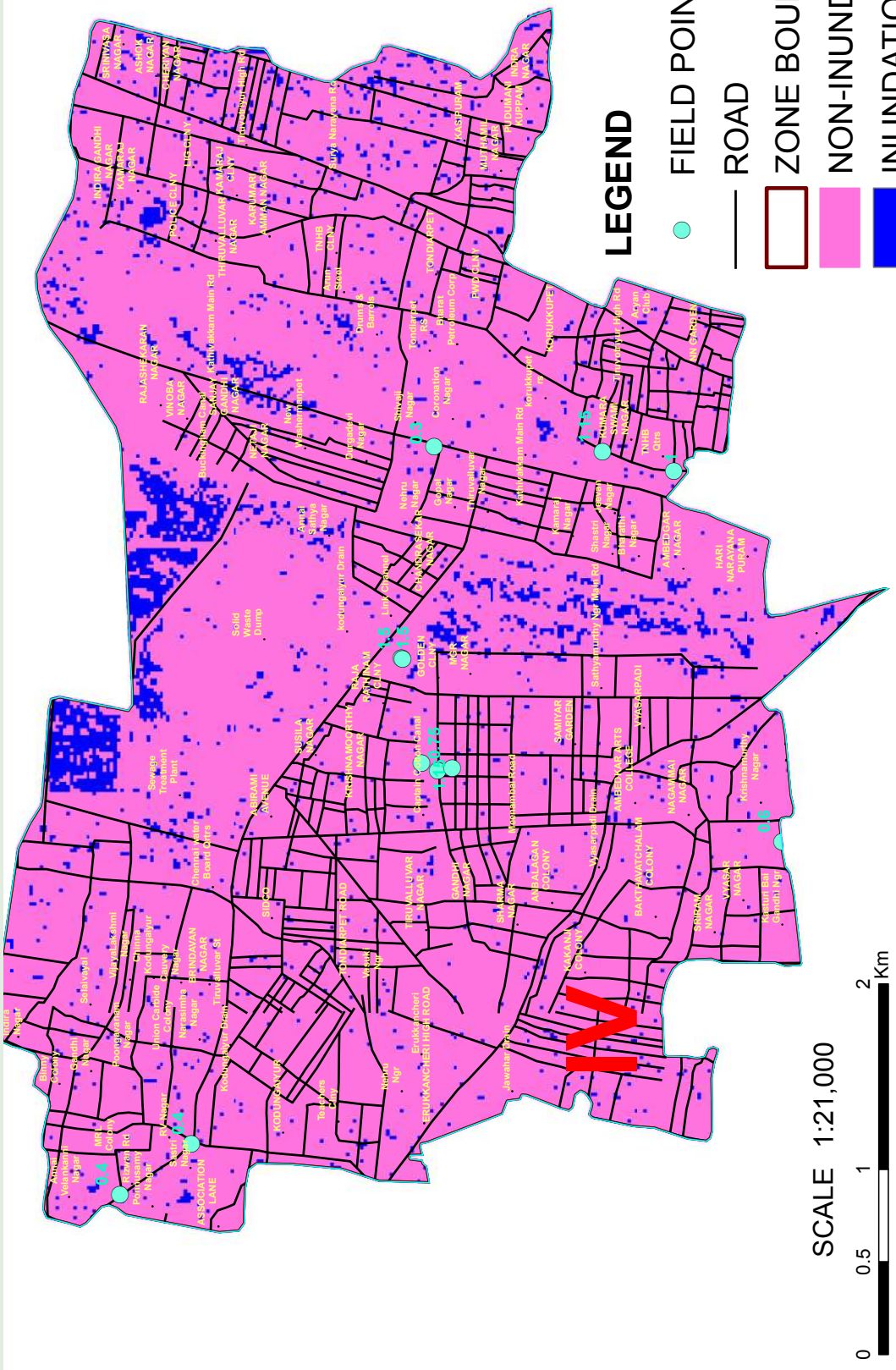
FLOOD INUNDATION MAP FOR KANNADASAN NAGAR IN 2005



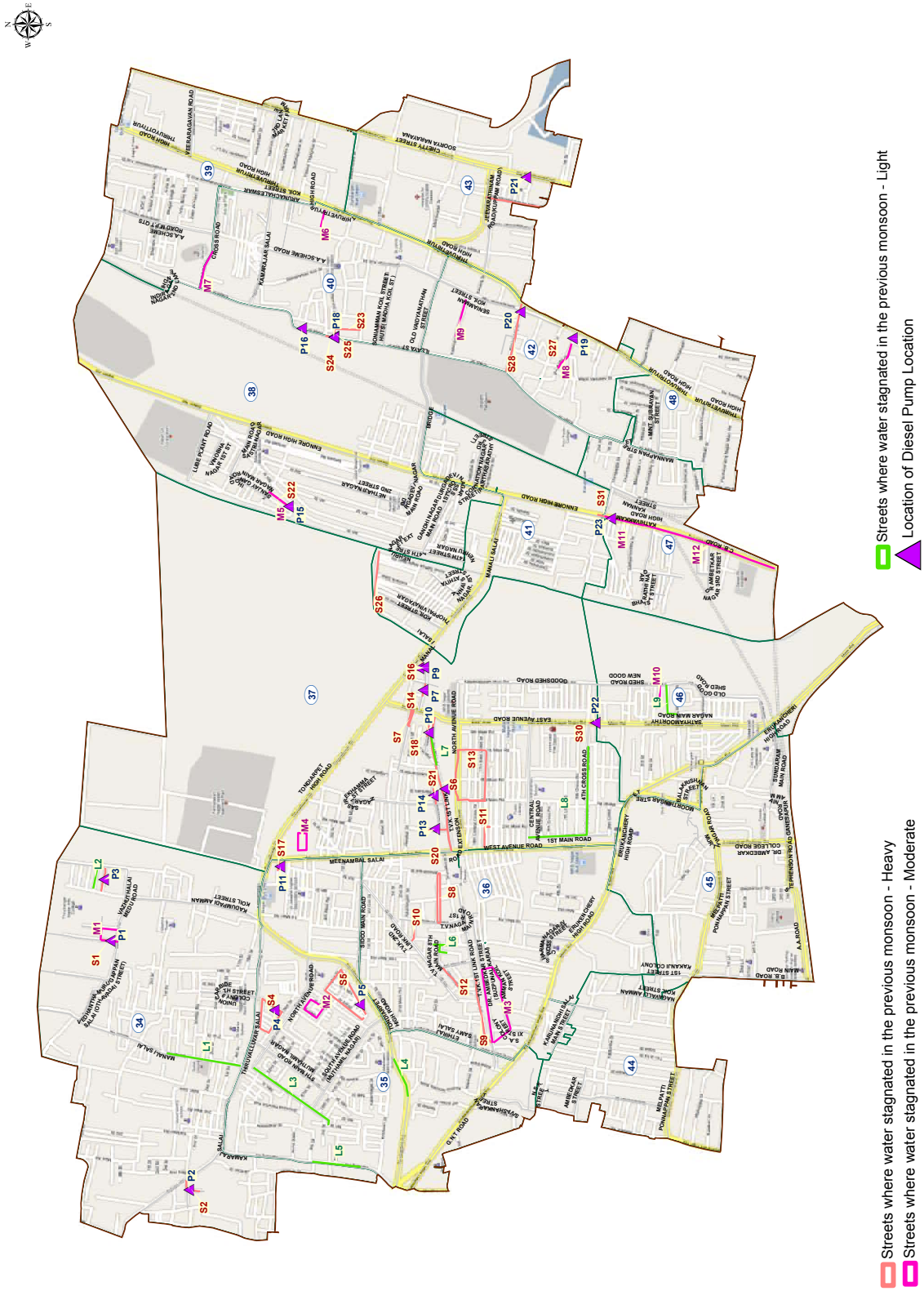
INUNDATION EXTENT ON 3 DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE IV
ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Water stagnated streets in the monsoon 2015- Mild rain fall

S.No.	Ward	Name of the Street
1	34	Thendral Nagar
2	34	Durgai Avenue
3	35	WestAvenueRoad
4	35	THRoad
5	34	KamarajRoad
6	36	Thiruvalluvar Nagar
7	37	Mullai Nagar
8	37	North Avenue Road
9	46	MosqueStreet
10	46	C Kalyanapuram 1st Street
11	46	Moorthingararikaraistreet(RaveeswararKoil)

Water stagnated streets in the monsoon 2015- Moderate rain fall

S.No.	Ward	Name of the Street
1	34	Durgai Avenue
2	34	Thendral Nagar
3	36	Suzhpunal karai
4	37	Abirami Avenue
5	38	Patel Nagar 3rd Street
6	39	AE Koil Street
7	40	VOC Nagar
8	42	VeeraKutty Street
9	42	T.H.ROAD
10	46	SM Nagar 24th Block
11	46	Balakrishnan Street
12	47	CB Road

Stagnation of water in streets due to sewer blocks

Sl..	ward	Streets	No. of manholes
1	34	Harbour Colony	2
2	35	MuthamizhNagar	3
3	35	GanthiNagar	3
4	36	Suphpunalkarai	5
5	36	Poombuhar Nagar	8
6	36	AshokLeylandQuarters	2
7	36	Puthunagar	7
8	36	sharmanagar	3
9	36	Erukanchery nagar	2
10	37	R.R.Nagar	5
11	37	AnnaiSathyanagar	6
12	37	Krishnamurthy Nagar	3
13	37	Damother Nagar	4
14	37	MGR Nagar	6
15	46	Debar Nagar	2
16	46	JJR Nagar	1
17	37	SamiyarThottam	4
18	37	GoldenComplex	3
19	38	Tamilar Nagar	6
20	41	NehruNagar	9
21	38	E H Road	9
22	40	IlayaStreet	11
23	40	VOC Nagar	10
24	41	Aziz Nagar	3
25	41	KumaranNagar	4
26	41	CoronationNagar	5
27	41	GopalReddy Nagar	6
28	41	MuneeswaranNagarI&II Street	2
29	41	MGR Nagar	4
30	41	EzhilNagar	3
31	47	JJ Nagar H,I,J,K Nagar	4
32	41	KarumaiammanNagar	6
33	41	KannakiNagar	4
34	41	AnnaiSathyanagar	3
35	41	RikshawColony	1

36	43	YMCAKuppam	2
37	45	VinayakapuramMain Road	4
38	45	Kakkanjicolony	3
39	45	AnnaNagar	3
40	45	KamarajNagar	5
41	45	Ganeshapuram	2
42	45	vyasarnagarmainroad	3
43	45	BalakrishnanStreet	5
44	45	Sundaram6thStreet	4
45	46	Kennedy Nagar	3
46	46	Samanthipoocolony	2
47	46	MallipooColony	1
48	46	NehruNagar	1
49	46	C Kalyanapuram	2
50	46	PallaStreet	2
51	47	MeenambalNagar 1st Street	6
52	47	Ambedkar Nagar	4
53	47	JeevaNagar	3
54	47	AnandaMathajiNagar	2
55	47	Sigirinthapalayam 3rd Street	3
56	47	BharathiNagar	4
57	47	Sigirinthapalayam 4th Street	3
58	47	BharathiNagar 6th STreet	4
59	47	Kamaraj Nagar 7th Street	4

Relief Centres

There are 18 relief centres to a total capacity of 14,960 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
1	38	100	Murugan Koil Kalyanamandapam Nethaji Nagar 2nd Street ,Tondiarpet, Chennai – 600 021.	Nethaji Nagar A Street, Nethaji Nagar 1st Street Nethaji Nagar 2nd Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190338
								Food& drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue	9445071068, 9283128836
2	46	200	Andal Kalyanamandapam, Erukkancherry High Road, Chennai	Aerikarai	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								Food&Drinking water	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
3	47	250	CPS, School Meenambal Nagar, Korrukkupet, Chennai–600 021.& CHS School, Harinarayanapuram	Meenambal Nagar & Bharathi Nagar Housing BoardTen-emantst	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190347
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
4	48	150	Corporation Community Center, Parthasarathy Nagar, Chennai – 600 021	Nil	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190348
								Food & Drinkingwater	Assistant Revenue Officer	9445190084, 9444170907 & 9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907 & 9445071068, 9283128836

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
5	35	450	Chennai Middle School, Tondiarpet High Road	Solaiappan Koil Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190335
								Food & Drinking water	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
6	36	200	Chennai High School, No.105, Kamaraj High Road, Kodungaiyur, Chennai – 600 118	Muthamizh Nagar Canal Side	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190336
								Food & Drinking	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
7	36	550	Chennai High School, Sharma Nagar	Suzhpunal Karai, Indra Gandhi Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190336
								Food & Drinking water	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
8	38	1600	CHSS, Patel Nagar 4th Street	Patel Nagar, Vibobha Nagar, Tamizhar , Annai Sandhiya Nagar, Nedunchezhian Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-9 9445025837
								Evacuation	Assistant Engineer	9445190338
								Food&Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
9	39		Chennai High School, MPT Colony, AA Scheme Road.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190339
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
10	39		Chennai High School, AA Scheme Road.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190339
								Food& Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
11	40	250	Chennai High School, Kamaraj Salai, Govt Press Colony.	VOC Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190340
								Food& Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
12	41	2850	Chennai Primary School, No.103, Cornation Nagar, Chennai – 600 081.	Nethaji Nagar, Kannagi Nagar, Karumariamman Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190341
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
13	41	4000	Chennai Middle School, MGR Nagar 3rd Street, Chennai – 600 021.	MGR Nagar,Annai Sathya Nagar	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190341
								Food& Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
14	42	2000	Chennai Primary School, Seniamman Koil Street, Chennai – 600 081.	Kailasam Street slum Board	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190342
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
15	42		Corporation Higher Secondary School No.540, TH Road, Chennai – 600 021.	Nehru Nagar,Veerakutty Street	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-10 9445025836
								Evacuation	Assistant Engineer	9445190342
								Food & Drinking water	Assistant Revenue Officer	9445190084, 9444170907
								Relief Materials	Assistant Revenue Officer	9445190084, 9444170907
16	46		Chenani Middle School, Moorthingar Street, Vyasarpadi, Chennai – 600 039	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram Arikarai Gandhipuram	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								Food& Drinking water	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
17	46		Chenani Middle School, Moorthingar Street, Vyasarpadi, Chennai – 600 039	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram	Yes	Yes	NO	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								16	Assistant Revenue Officer	9445071068, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836
	43		Community Hall at Kummalamman Koil Street	Singaravelan Nagar Pallam Pallavan Nagar Pallavan Nagar Pallam MGR Nagar (Slum)	yes	yes	no	Sanitation, Medicine	Sanitary Inspector	U-11 9445190684
								Evacuation	Assistant Engineer	9445190346
								Food & Drinking water	Assistant Revenue Officer	9445090084, 9283128836
								Relief Materials	Assistant Revenue Officer	9445071068, 9283128836

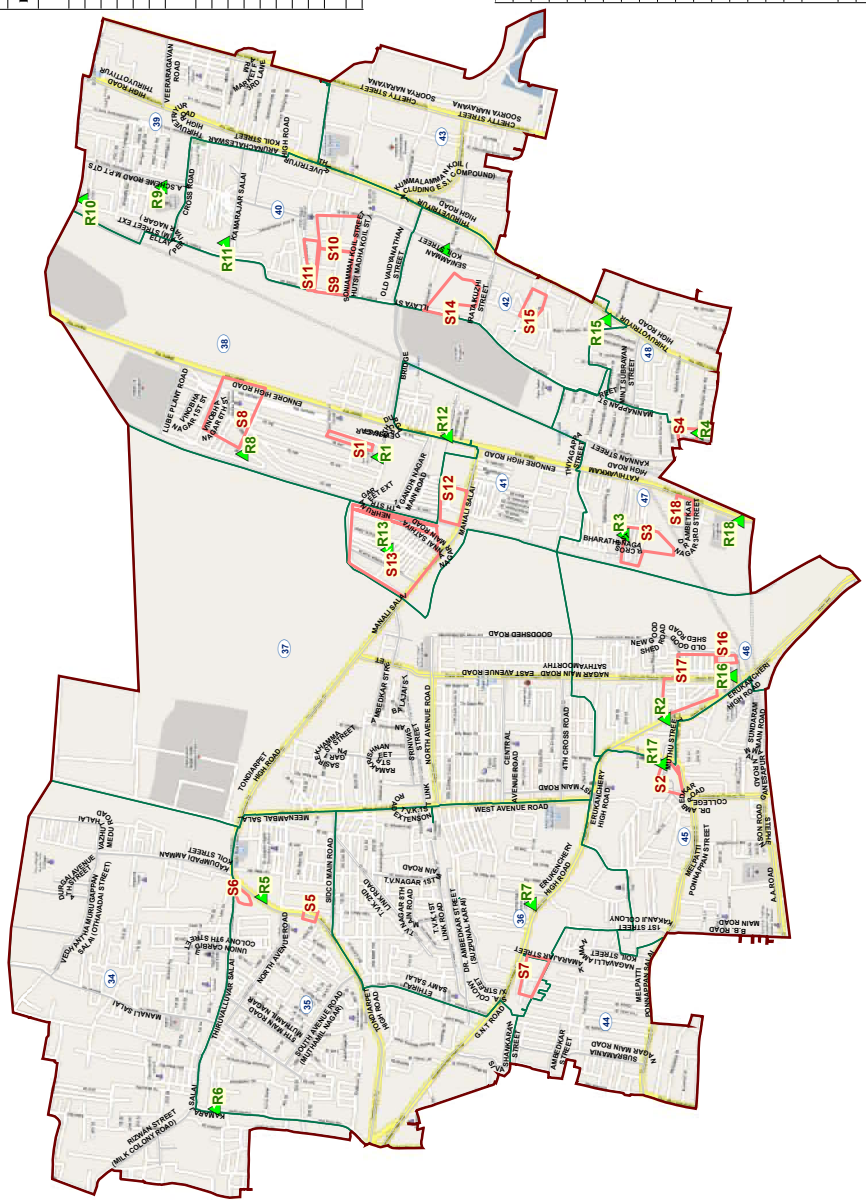
ZONE IV
EVACUTION & RELIEF SHELTERS

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	38	Nethaji Nagar A Street, Nethaji Nagar 1st Street, Nethaji Nagar 2nd Street
S2	46	Aerikarai
S3	47	Bharathi Nagar, Housing Board Tenements
S4	48	Parthasarathy Nagar
S5	35	Solaiappan Koil Street
S6	36	Muthamizh Nagar Canal Side
S7	36	Suzhpunal Karai, Indra Gandhi Nagar
S8	38	Patel Nagar, Vibobha Nagar, Tamizhar, Annai Sandhiya Nagar, Nedunchezhian Nagar
S9	39	VOC Nagar
S10	39	VOC Nagar
S11	40	VOC Nagar
S12	41	Nethaji Nagar, Kannagi Nagar, Karumariamman Nagar
S13	41	MGR Nagar, Annai Sathya Nagar
S14	42	Kalaasam Street slum Board
S15	42	Nehru Nagar,Veerakutty Street
S16	46	C Kalayanapuram, Chennai 600 039
S17	46	A Kalayanapuram, B Kalayanapuram, C Kalayanapuram
S18	47	Ambedkar Street, Rajiv Gandhi Nagar

RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R5	35	Chennai Middle School, Tondiarpet High Road
R6	36	Chennai High School, No105, Kamaraj High Road
R7	36	Chennai High School, Sharma Nagar
R1	38	Murugan Koil Kalyanamandapam, Nethaji Nagar 2nd St
R8	38	CHSS, Patel Nagar 4th Street
R9	39	Chennai High School, MPT Colony, AA Scheme Road
R10	39	Chennai High School, AA Scheme Road
R11	40	Chennai High School, Kamaraj Salai, Govt Press Colony
R12	41	Chennai Primary School, No103, Cornation Nagar
R13	41	Chennai Middle School, MGR Nagar 3rd Street
R14	42	Chennai Primary School, Seniamman Koil Street
R15	42	Corporation Higher Secondary School No540, TH Road
R2	46	Andal Kalyanamandapam, Erukkancherry High Road
R16	46	CHSS, C.Kalayanapuram
R17	46	Chennai Middle School, Moorthingar St, Vasarpadi
R3	47	Nadar Uravin Murai Kalyanamandapam,Bharathi Nagar 2nd Street
R18	47	Harinarayapuram CHS
R4	48	Corporation Community Centre, Parthasarathy Nagar



Subways

There are 2 subways at T.H. Road and Vyasarpadi in Tondiarpet zone. The pumps with different capacities are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Ward/Name	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 43, Pedestrian Subway opposite to CDH , T.H Road	22.4	TH road SWD	1-5HP
2	Ward 46, Vyasarpadi Subway (Highways Department)	30.0	The Dewatering Work is carried by HD	8 108HPs



Pedestrian Subway opposite to CDH, T.H Road

Tree fall

During the last monsoon, in Tondairpet zone totally 13 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	34	Union Carbide colony
2	34	School Road
3	34	Narayanasamy garden
4	35	Muthamizh nagar
5	37	Meenambal salai
6	38	Nethaji Nagar
7	40	MPT Colony
8	43	Kummalamman Koil Street
9	43	Othavadai CDH
10	48	Thulasingam salai
11	45	Avvai nagar 1st Street
12	48	48-ward office
13	48	Parthasarathy street

Streets - water entered houses - do not require evacuation

During the last monsson, 19 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 19 locations were inundated for more than a day by which the normal day to day activity of 16,465 people were standstilled. Flood water from these areas were cleared by using 19 pumps ranging from 5 HP to 15 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	43 Kasimedu Village	Singarvelan Nagar Palla Paguthi
2	35 Kodungaiyur	Muthamil Nagar 6th Blocks
3	35 Kodungaiyur	Muthamil Nagar 7th Blocks
4	35 Kodungaiyur	Muthamil Nagar 8th Blocks
5	37 Kodungaiyur	MKB Nagar 6th Main Road
6	37 Kodungaiyur	MKB Nagar 5th Cross Street
7	37 Kodungaiyur	Central Avenue,North Avenue Road
8	38 Tondiarpet	Patel Nagar 3rd Street, Nehru Nagar 13th Street
9	40 VOC Nagar, Ammani Ammal Thottam	VOC Nagar 36 Huts
10	40 VOC Nagar, Ammani Ammal Thottam	Chelliamman kovil Street
11	41 Kumarasamy Nagar South	MGR Nagar Canal Road
12	45 Ganesapuram	Sanjay Nagar
13	46 Vyasarpadi	SM Nagar 24th Block
14	46 Vyasarpadi	Mosque Street
15	46 Vyasarpadi	Samanthipoo Colnoy
16	46 Vyasarpadi	Mallipoo Colony
17	46 Vyasarpadi	A,B,C Kalyanapuram
18	47 Korukkupet	Meenambal Nagar
18	47 Korukkupet	Ambedkar Street
19	47 Korukkupet	KH Road
20	47 Korukkupet	Ambedkar Street

Streets that require evacuation

During the heavy flood that occurred in 2015, in Tondiarpet zone 18,045 people were evacuated from Muthamil Nagar, Dr. Radhakrishnan Street etc. and they are accomated in Schoos, Kalyanamandapam. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations of relief centers are given below.

S.No	ward	Streets	No. of persons	Years	Relief centre
1	34	Durgai Avenue	1000	2015	Chinna KodungaiyurSchool
2	35	Muthamil Nagar 7th Block	3670		Chennai High School, No.105, Kamaraj High Road Kodungaiyur, Chennai – 600 118
3	35	Muthamil Nagar 8th Block			Chennai Middle School, Tondiarpet, High Road
4	36	TVK 1st Link Road	200	2015	Chennai Middle School, Periya Kodungaiyur
5	36	Dr. Radhakrishnan Street			Chennai High School, Sharma Nagar
6	36	Ambedkar Street			
7	36	Sharma nagar 3rd Main Road			
8	36	Indra Nagar 2nd Cross Street			
9	36	19th West Cross Street, MKB Nagar			
10	36	Thiruvalluvar Nagar 8th Main Road			

S.No	ward	Streets	No. of persons	Years	Relief centre
11	37	MKB Nagar 16th to 19th Central and East	1500	2015	RR Nagar-CMS MKB Nagar-CMS KKD Nagar-CMS
12	37	RR Nagar 3rd &4th Main Road			
13	37	RR Nagar 5th,6th and 2nd Main Road			
14	37	RR Nagar 2nd,3rd,5th & 6th Cross Road			
15	37	KKD Nagar			
16	37	Santhiya Nagar			
17	37	Subramani Street			
18	37	Lord Madha Street			
19	37	Srinivasan Street			
20	38	Patel Nagar,	400	2015	CHSS- Patel Nagar 4th Street, Nadar Kalyanaman-dapam-Nethaji Nagar 5th St
21	38	Nedunchelian Nagar,	500	2015	
22	38	New Vinobha Nagar,	475	2015	
23	38	Sanjay Gandhi Nagar,	1000	2015	
24	38	Annai Sandhya Nagar,	900	2015	
25	38	Nehru Nagar,	600	2015	
26	38	Nethaji Nagar&	300	2015	
27	38	Tamizhar Nagar	240	2015	
28	40	VOC Nagar	600	2015	Kamaraj Salai CMS,Thriuvalluvar Nagar CPS
29	40	VOC Nagar 36 huts	5000	2015	
30	40	Chelliamman Koil Street		2015	
31	40	AA Scheme Road		2015	
32	40	Thiruvalluvar Nagar		2015	
33	40	Cross Road		2015	

S.No	ward	Streets	No. of persons	Years	Relief centre
34	41	MGR Nagar Canal Road	300	2015	Chennai Primary School, No.103, Cornation Nagar, Chennai – 600 081. & Chennai Middle School, MGR Nagar 3rd Street, Chennai – 600 021.
35	42	Veerakutty Street	150	2015	Corporation Higher Secondary School No.540, TH Road, Chennai – 600 021.
36	42	Rettaikuzhi Street, Seniamman Koil Street	300	2015	Chennai Primary School, Seniamman Koil Street, Chennai – 600 081.
37	45	Ganesa puram main road	450	2015	CHS-Ganesapuram, Ch-39
38	46	Moorthinagr Street Aerikarai Slum (HOUSING BOARD HAS BEEN BUILD AND HAND OVER TO RESPECTIVE PEOPLE)	150	2015	Chennai Middle School, Moorthingar Street & Andal Kalyanamandapam, Erukkancherry High Road, Chennai
39	47	Ambedkar Nagar	250	2015	Harinarayanapuram –CHS& Nadar Uravin Murai Kalyanamandapam, No.4/46, Bharathi Nagar 2nd Street, Korrukkupet, Chennai – 600 021. Harinarayanapuram -CHS
40	47	Rajiv Gandhi Nagar	60	2015	



Vinobha Nagar, Dn-38, Zone IV



Nehru Nagar 13th Street, Dn-38, Zone IV

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 4 battery powered lights are available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	34,35	Assistant Engineer	9445477689
	36,44	Assistant Engineer	9445190230
2	38,39,40,43	Assistant Engineer	9445190914
3	41,42,47,48	Assistant Engineer	9445190915
	37,45,46	Assistant Engineer	9445190918
4	34 to 48	Additional Divisional Engineer (Zone)	9445190044
5	34 to 48	Divisional Engineer North(HQ)	9445190753

National Disaster Response Force (NDRF)

In Tondiarpet zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	37	SM Nagar Community Hall to be Removed
2	42	540 TH Road, Corporation Higher Secondary School.
3	39	731 TH Road, Corporation Higher Secondary School.
4	46	Kalyanapuram School

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

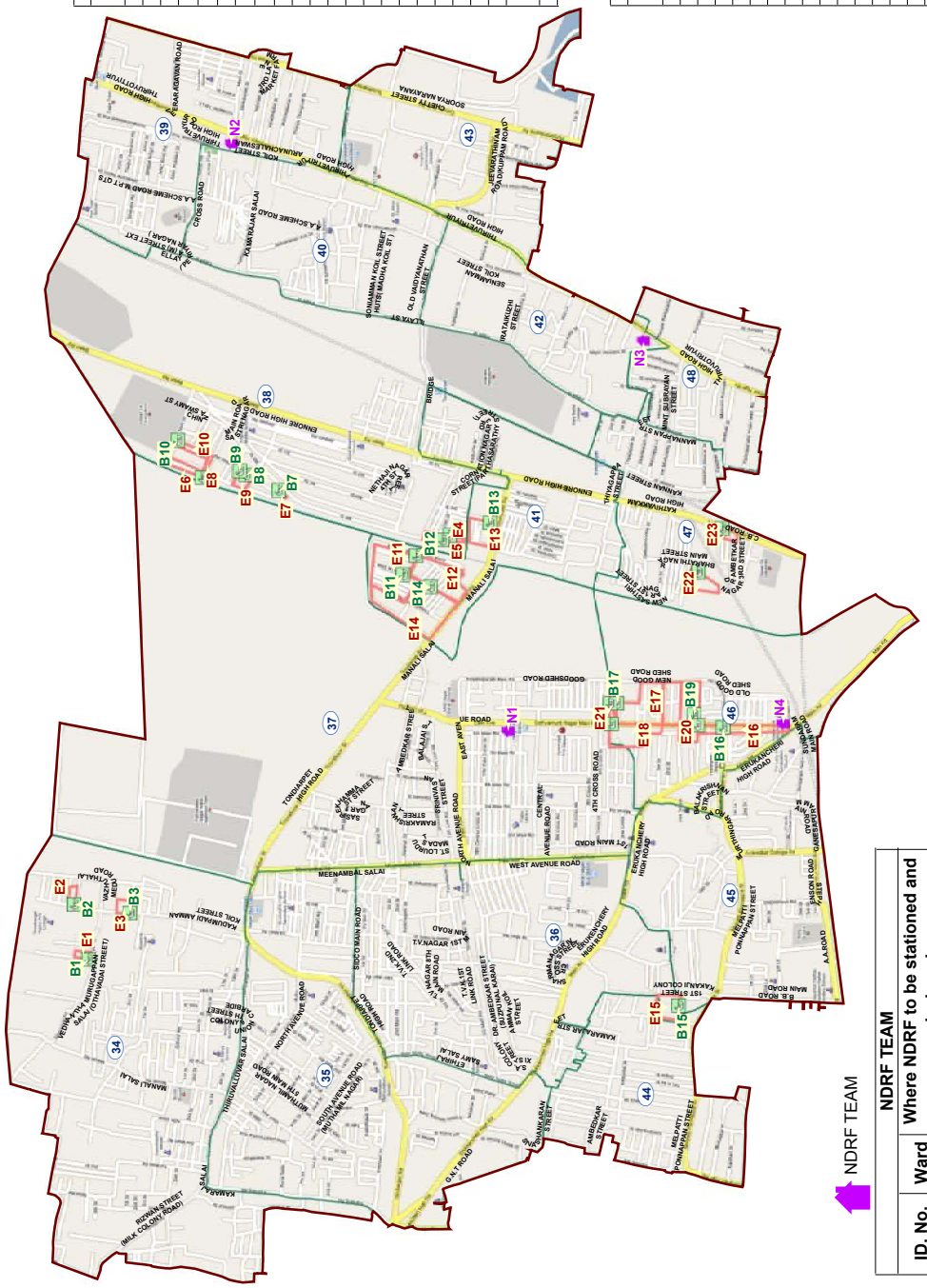
ZONE IV
EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS

EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	34	Durgai Avenue-1
E2	34	Thendral Nagar-1
E3	34	IshwaryaNagar-1
E4	38	Nehru Nagar 18th Street - 1
E5	38	Nehru Nagar 14th Street - 1
E6	38	Tamizhar Nagar - 1
E7	38	Patel Nagar 3rd Street - 1
E8	38	New Vinobha Nagar 1st Street -1
E9	38	Sanjay Gandhi Nagar -1
E10	38	Nedunchezhian Nagar - 2
E11	41	MGR Nagar - 2
E12	41	Annai Sathya Nagar - 2
E13	41	Karumariyamman Koil Street - 2
E14	41	Ezhil Nagar - 2
E15	44	Periyar Nagar-1
E16	46	SM Nagar-1
E17	46	Nehru Nagar -1
E18	46	Kennady Nagar-1
E19	46	Malligaipoo Colony -1
E20	46	Magazinepuram-1
E21	46	Mosque Street-1
E22	47	Bharathi Nagar – Housing Tenemants -1
E23	47	CB Road -1

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	34	Durgai Avenue
B2	34	Thendral Nagar
B3	34	IshwaryaNagar
B4	38	Nehru Nagar 18th Street
B5	38	Nehru Nagar 14th Street
B6	38	Tamizhar Nagar
B7	38	Patel Nagar 3rd Street
B8	38	New Vinobha Nagar 1st Street
B9	38	Sanjay Gandhi Nagar
B10	38	Nedunchezhian Nagar
B11	41	MGR Nagar
B12	41	Annai Sathya Nagar
B13	41	Karumariyamman Koil Street
B14	41	Ezhil Nagar
B15	44	Periyar Nagar
B16	46	SM Nagar
B17	46	Nehru Nagar
B18	46	Kennady Nagar
B19	46	Malligaipoo Colony
B20	46	Magazinepuram
B21	46	Mosque Street
B22	47	Bharathi Nagar – Housing Tenemants
B23	47	CB Road



NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	37	SM Nagar, Community Hall
N2	39	731 TH Road, Corporation Higher Secondary School
N3	42	540 TH Road, Corporation Higher Secondary School
N4	46	Kalyanapuram School

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	34	Durgai Avenue-1	Durgai Avenue-1	9445190334 AE
2	34	Thendral Nagar-1	Thendral Nagar-1	9445190334 AE
3	34	IshwaryaNagar-1	IshwaryaNagar-1	9445190334 AE
4	38	Nehru Nagar 18th Street - 1	Nehru Nagar 18th Street - 1	9445190338 AE
5	38	Nehru Nagar 14th Street - 1	Nehru Nagar 14th Street - 1	9445190338 AE
6	38	Tamizhar Nagar -1	Tamizhar Nagar -1	9445190338 AE
7	38	Patel Nagar 3rd Street - 1	Patel Nagar 3rd Street - 1	9445190338 AE
8	38	New Vinobha Nagar 1st Street -1	New Vinobha Nagar 1st Street -1	9445190338 AE
9	38	Sanjay Gandhi Nagar -1	Sanjay Gandhi Nagar -1	9445190338 AE
10	38	Nedunchezhian Nagar - 2	Nedunchezhian Nagar - 2	9445190338 AE
11	41	MGR Nagar - 2	MGR Nagar - 2	9445190341 JE
12	41	Annai Sathya Nagar - 2	Annai Sathya Nagar - 2	9445190341 JE
13	41	Karumariyamman Koil Street - 2	Karumariyamman Koil Street - 2	9445190341 JE
14	41	Ezhil Nagar - 2	Ezhil Nagar - 2	9445190341 JE
15	44	Periyar Nagar-1	Periyar Nagar-1	9445190344 AE
16	46	SM Nagar-1	SM Nagar-1	9445190346 AE
17	46	Nehru Nagar -1	Nehru Nagar -1	9445190346 AE
18	46	Kennady Nagar-1	Kennady Nagar-1	9445190346 AE
19	46	Malligaipoo Colony -1	Malligaipoo Colony -1	9445190346 AE

20	46	Magazinepuram-1	Magazinepuram-1	9445190346 AE
21	46	Mosque Street-1	Mosque Street-1	9445190346 AE
22	47	Bharathi Nagar – Housing Tenemants -1	Bharathi Nagar – Housing Tenemants -1	9445190347 JE
23	47	CB Road -1	CB Road -1	9445190347 JE

Sanjay Gandhi Nagar, Dn-38, Zone IV

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There are 6 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries availability are given below

No. of lorries and type kept in readiness
Debris lorry - 6
Skid steer loaders (Bob cat) - 3
(Front end loader) JCB - 2
Super sucker - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190491	2	3	6	3

Less than 2.5 m Streets/lanes that cant be accessed by Vehicles

Sl..	Ward	Name of the Streets
1.	47	Jeeva Nagar 1 to 7 Streets & 9 to 16 Streets
2	43	Pudumanai Kuppam 2 to 7 Streets
3		SN Chetty 1 to 7 Lanes
3		Kasipuram A Block 1 to 4 Street
4		Singaravelan Nagar 1 to 4 street and Pallam
5		Vinayagapuram 4 to 11 streets

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward Committee –34
Ward Councillor –9445467034

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190334
GCC- Health	Sanitary Inspector	9445025834
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190534
GCC - Revenue	Tax Collector	9962078842
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930034
TANGEDCO	Assistant Engineer	9445850872
TANGEDCO	Assistant Engineer	9445850905
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
Highways	Divisional Engineer	8754442222
PWD	WRO EE	9444644038
PWD	AE	9941779671

Ward Committee – 35

Ward Councillor – 9445467035

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190335
GCC- Health	Sanitary Inspector	9445025835
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190535
GCC - Revenue	Tax Collector	9941007147/9042933601
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930035
TANGEDCO	Assistant Engineer	9445850860
TANGEDCO	Assistant Engineer	9445850861
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 36

Ward Councillor – 9445467036

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190336
GCC- Health	Sanitary Inspector	9445025842
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190536
GCC - Revenue	Tax Collector	9962201410
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930036
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station P-6-36	Inspector	25546241

Ward Committee – 37

Ward Councillor – 9445467037

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190337
GCC- Health	Sanitary Inspector	9445025835
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190537
GCC - Revenue	Tax Collector	9283290636
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930037
TANGEDCO	Assistant Engineer	9445850880
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station P-5-37	Inspector	26734888

Ward Committee – 38

Ward Councillor – 9445467038

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190338
GCC- Health	Sanitary Inspector	9445025841
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190538
GCC - Revenue	Tax Collector	9092009120
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930038
TANGEDCO	Assistant Engineer	9445850895
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station H-5-38	Inspector	9498132646/ 25953621/ 23452490

Ward Committee – 39

Ward Councillor – 9445467039

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190339
GCC- Health	Sanitary Inspector	9445025839
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190541
GCC - Revenue	Tax Collector	9444501756
Revenue	Revenue Inspector	9962228170
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930039
TANGEDCO	Assistant Engineer	9445850891
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 40

Ward Councillor – 9445467040

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190340
GCC- Health	Sanitary Inspector	9445025843
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190540
GCC - Revenue	Tax Collector	9444501756
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930040
TANGEDCO	Assistant Engineer	9445850887
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 41

Ward Councillor – 9445467041

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190341
GCC- Health	Sanitary Inspector	9626618885
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190541
GCC - Revenue	Tax Collector	9840282957
Revenue	Revenue Inspector	7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930041
TANGEDCO	Assistant Engineer	9445850893 9445858895
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	DFO	99529622244
Fire service	Inspector	9952962224
Fire service	SFO	9940149681
TNUHDB	Assistant Engineer	9715489977
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9962433252 7200052215
Highways	Divisional Engineer	8754442222
Police station H-6-41	Inspector	25281493

Ward Committee – 42

Ward Councillor – 9445467042

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190342
GCC- Health	Sanitary Inspector	9445025848
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–Solid Waste Management	Conservancy Inspector	9445190542
GCC - Revenue	Tax Collector	8838183088
Revenue	Revenue Inspector	9600057284, 7200933789, 9043661635, 9791067535
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930042
TANGEDCO	Assistant Engineer	9445850886
TANGEDCO	Assistant Engineer	9445850892
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9003430542
Highways	Divisional Engineer	8754442222
Police station H-3-42	Inspector	9444033599/ 25281486

Ward Committee – 43

Ward Councillor – 9445467043

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190343
GCC- Health	Sanitary Inspector	9445025843
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190543
GCC - Revenue	Tax Collector	8778973659
Revenue	Revenue Inspector	9629861842
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930043
TANGEDCO	Assistant Engineer	9445850885
TANGEDCO	Assistant Engineer	9445850891
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station N-2-43	Inspector	23452511
Police station N-4-43	Inspector	9498100234/ 25281488

Ward Committee – 44

Ward Councillor – 9445467044

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190344
GCC- Health	Sanitary Inspector	9445025846
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190544
GCC - Revenue	Tax Collector	7397349909
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930044
TANGEDCO	Assistant Engineer	9445850863
BSNL	Divisional Engineer	9445850854
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee –45

Ward Councillor – 9445467045

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190345
GCC- Health	Sanitary Inspector	9445025847
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190545
GCC - Revenue	Tax Collector	8838183088
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930045
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee – 46

Ward Councillor – 9445467046

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190346
GCC- Health	Sanitary Inspector	9445025842
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190546
GCC - Revenue	Tax Collector	8778973659
Revenue	Revenue Inspector	9962228170/8056070278/ 7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930046
TANGEDCO	Assistant Engineer	9445850879
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

Ward Committee –47

Ward Councillor – 9445467047

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190347
GCC- Health	Sanitary Inspector	9445025847
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190547
GCC - Revenue	Tax Collector	9840838401
Revenue	Revenue Inspector	7200083835
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930047
TANGEDCO	Assistant Engineer	9445850895
TANGEDCO	Assistant Engineer	9445850882
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222
Police station H-4-47	Inspector	9498138276/25281488

Ward Committee – 48

Ward Councillor – 9445467048

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190348
GCC- Health	Sanitary Inspector	9445025848
GCC - Veterinary	Veterinary Assistant Surgeon	9445194749
GCC–SolidWaste Management	Conservancy Inspector	9445190548
GCC - Revenue	Tax Collector	9884657816
Revenue	Revenue Inspector	9600057284, 7200933789, 9043661635, 9791067535
GCC - Park overseer	Park Supervisor	9445071070
CMWSSB	Assistant Engineer	8144930048
TANGEDCO	Assistant Engineer	9445850886
BSNL	Divisional Engineer	9444400405
BSNL	Sub Divisional Engineer	9445147222
BSNL	Sub Divisional Engineer	9444991229
BSNL	Assistant Engineer	9444964363
Fire service	Inspector	9445086019
Fire service	Inspector	9445086024
Fire service	Inspector	9445086006
TNUHDB	Assistant Engineer	9445074736
TNUHDB	Assistant Engineer	9445074731
TNUHDB	Assistant Engineer	9445074709
PWD	WRO EE	9444644038
PWD	AE	9941779671
Highways	Divisional Engineer	8754442222

ZONE - V

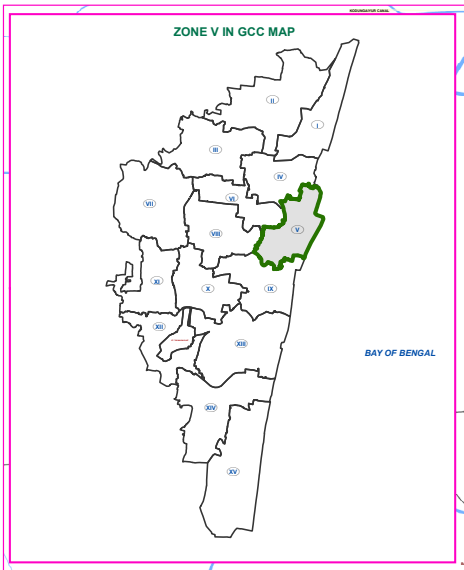
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ROYAPURAM

ZONE V - WARD BOUNDARY

GREATER CHENNAI CORPORATION
ZONEE - V
TN GOVT. GAZATTE NO.408 DATED:14.12.2018



ZONE IV

ZONE VI

ZONE VIII

ZONE IX

BAY OF BENGAL

DIVISION BOUNDARY
SUBURBAN / MRTS LINE
CMRL LINE
SUBURBAN / MRTS LINE
WATER BODY

ZONE	V
NAME OF THE ZONE	Royapuram
ZONE OFFICE LOCATION	No.62,Basin Bridge Road,Old Washermenpet, Chennai– 021.
WARD NUMBER	49 TO 63
NO. OF WARDS	15

04.03.2022

Profile

Royapuram zone lies in Latitude 13.10465 °, Longitude 80.27447 ° covering an area of 42.33 Sq.km.

There are 1,427 roads, out of which 1,370 roads to a length of 220.38 km are Interior Roads, 57 Roads to a length of 37.98 Km are Bus Route Roads which are maintained by GCC.

The population is about 7.32 lakhs that has Male population of 50.84% and Female population of 49.16 %. The most crowded area in the zone is Panamarathotti with a population of 65120 and the least is Muthiyalpettai with a population of 11835. The Ward wise population of the zone is given below,

Sl.No.	Ward No./Name	Total House Holds	Total Population
1	49 Old Wasermanpet	12863	51454
2	50 Panamarathotti	16280	65120
3	51 Oldwasermanpet	8776	35107
4	52 Meenachi Amman pettai	8590	34362
5	53 Moolakathalam	16186	64744
6	54 Kondithope	58174	14543
7	55 Seve Wells	64067	16016
8	56 Muthiyalpettai	47341	11835
9	57 Sowcarpet	52269	13067
10	58 Periyamedu	12211	48847
11	59 George Town	11285	45142
12	60 Seethakaathi Nagar	11513	46054
13	61 Egmore	11482	45930
14	62 Chinthardipet	11065	44262
15	63 Komaleeswaran pettai	10663	42629
	Total	**186375**	**745502**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	49 to 63	9445467054
2.	Zonal Officer	49 to 63	9445190005

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	49 to 57 & 60	9445190025
2	Executive Engineer-2	58,59,61 to 63	9445190461
3	Assistant Executive Engineer	Unit-12	9445190112
4	Assistant Executive Engineer	Unit-13	9445190113
5	Assistant Executive Engineer	Unit -14	9445190114
6	Assistant Executive Engineer	SWM / Z - 5	9445190465

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservany supervisor	49 to 53	9445191412
2	Conservany supervisor	54 to 57 &60	9445191413
3	Conservany supervisor	58,59 to 62 & 63	9445191414

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	49 to 63	7200901444
2	Veterinary Surgeon	49 to 63	9445026041
4	Sanitary Officer	49 to 53	9003032984
5	Sanitary Officer	54 to 57 & 60	9962526363
6	Sanitary Officer	58,59 & 61 to 63	8754419558

Parks

There are 25 Parks available in Royapuram zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available(give numbers)	Area of operation
1	7299519348 Park Overseer	Motor saw -16 Nos ManuvalSaw-4Nos Bill hook-1Nos	49 to 63

S.No	Ward	Name / Location of the Park
1	49	Sivagami ammal park MC Road Royapuram
2	50	Kamaraj Park, M.S Koil Street Royapuram
3	50	Sundaramoorthy Park, Venkatesan Nagar, Royapuram
4	50	N.R.T Bridge Under Park NRT Road Raoypapuram
5	52	Basement Park MC Road Royapuram
6	52	Anna Park, Cementry Road, Royapuram
7	53	Mint Model City Park, Model City Washermenpet
8	53	Old Andra Bus Stand Park, Basin Bridge
9	54	Sivagnanam Park, Peddu Street
10	56	Terrace Garden Park, Bharathi Arts College
11	58	Jermiah Park, Doveton
12	58	Thirumalai Park, Jermaiah Road
13	58	My Ladies Garden, Near Ripon Building
14	58	Doveton Clock Towers Park, Doveton
15	58	Ragavendra Park, Choolai Post Bus Stand
16	58	Dinathanthi Office Near Park, Dinathanthi office
17	60	Secretariate Park- Old Secretariate
18	60	Sathya Nagar Park, War Memorial
19	61	Gandhi Irwin Park, CMDA Building
20	61	Mayor Sundar rao Park, Rukmani Lakshmi pathy salai, Egmore
21	61	Ethiraj lane Park, Ethiraj college
22	61	L G Road Park (DN-61)
23	63	L G Road Park (DN-63)
24	62	May Day Park

S.No	Ward	Name / Location of the Park
25	63	Raheja Complex Park, Tenampet Congress office
26	63	Adithanar Salai Park, D'

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are nine pumping stations available in Royapuram Zone with average capacity of 270 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Pumping Station Road	30	50 HP-1 100 HP-1
2	East Kalmandapan Road	30	50 HP-1 100 HP-1
3	Ibhrahim Salai	30	50 HP-1 100 HP-1
4	North Wall Road K.H. Road	30	50 HP-1 100 HP-1
5	Malayappan Street	30	50 HP-1 100 HP-1
6	Jatkapuram	30	50 HP-1 100 HP-1
7	Rajamuthiah road (Rippon building annex road)	30	40 HP -1
8	Iyyasamy Street	30	50 HP-1 100 HP-1
9	S.M.Nagar N.S.C.Bose Road	30	50 HP-1 100 HP-1
	Total	**270**	**17**

Tamilnadu Urban Habitat Development Board

There are 9 TNUHDB tenements located in Chetty Thottam, G.M.Pettai & Jeevarathinam Nagar 1-5 Street etc with a population of 11045. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and

address sewage issues inside these tenements. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No./Name	Tenement location	No. of tene-ment	Population
1	52	Karimadu Kalani	80	1280
2	51	East Cemetry Road	70	1542
3	51	West Cemetry Road	120	1850
4	50	Jeevarathinam Nagar 1-5 Street	150	1258
5	50	Chetty Thottam	150	475
6	50	G.M.Pettai	150	1345
7	56	BRN Garden	85	1065
8	56	Bishop Lane	50	985
9	57	Kalyanapuram	60	1245
10	59	Ellis Puram	71	426
		Total	**986**	**11471**

Contact details

Department	Designation	Area	Contact No.
Conservancy/ GCC	Conservancy Supervisor	49 to 53 (Royapuram)	9445191412
Conservancy/ GCC	Conservancy Supervisor	54,55,56,57 & 60 Harbour	9445191413
Conservancy/ GCC	Conservancy Supervisor	58,59,61,62& 63 Egmore	9445191414
Water Supply& Sewage / CMWSSB	Assistant Engineer	49 to 63	Area Engineer-5 8144930905 Asst. Engineer-49 to 63 8144930049 to 8144930063
TNUHDB	Executive Engineer	49 to 63	9445074776

Water Bodies and Waterways

Buckingham canal is the only canal which touches the zone in Moolakotharam Canal road that travels about 2.75 km and leaves at George town to zone 9.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the Buckingham canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a premonsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 89.34 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

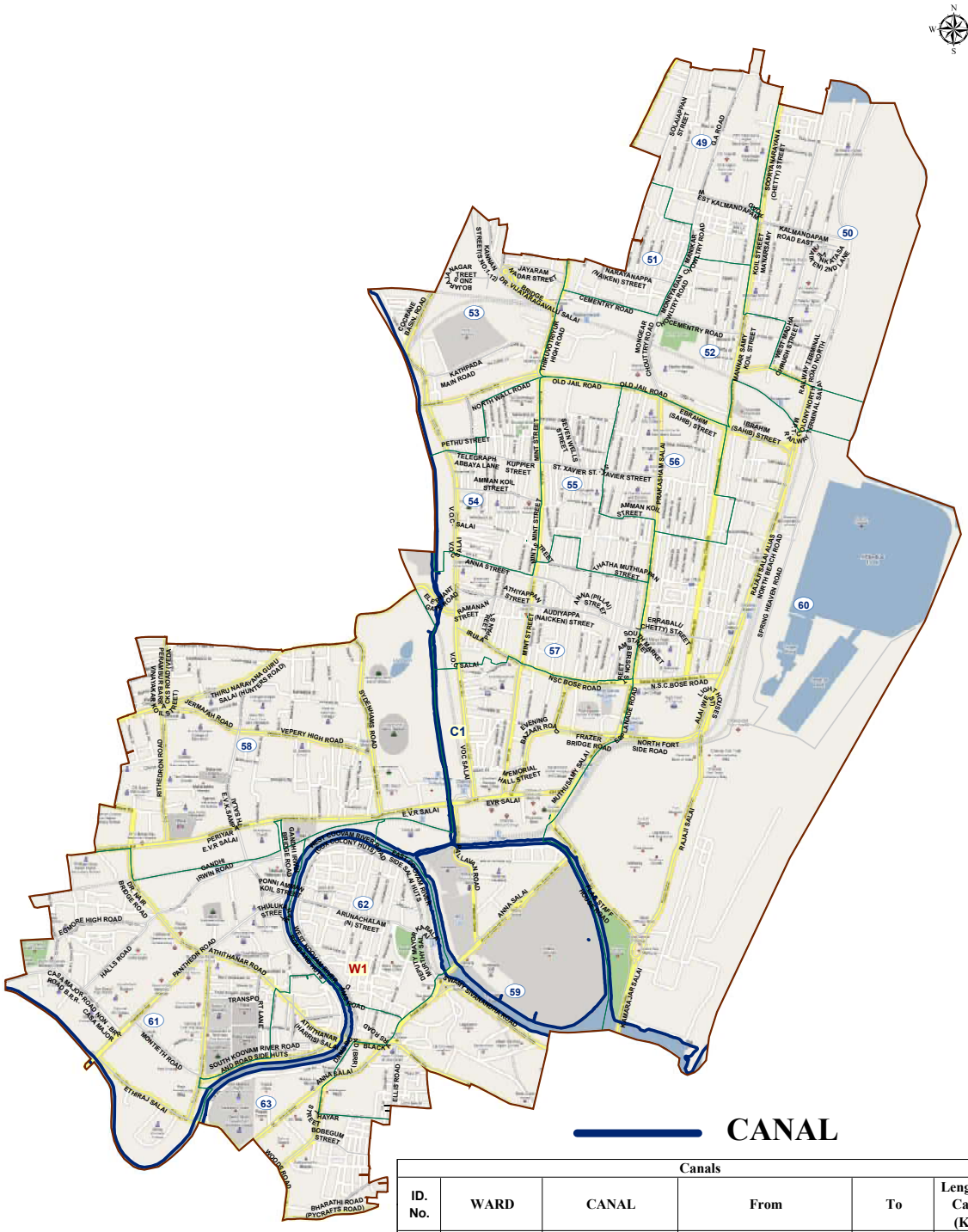
Canals

Sl. No.	Divisions Covered	Name of the Canal	From	To	Length of Canal (Km)
1	53,54,57 & 59	B-Canal	Moolakotharam Canal road	George town	2.75

Other water bodies

Sl No	Ward No	Name of other water bodies	Length / Area
1	61,62,63 & 59	Coovum river	4 Km

ZONE V - WATER BODIES



CANAL

Canals					
ID. No.	WARD	CANAL	From	To	Length of Canal (Km)
C1	53, 54, 57 & 59	B-Canal	Moolakothalam Canal road	George town	2.75Km

OTHER WATER BODIES

Other Water Bodies			
ID. No.	WARD	Name of other water bodies	Length
W1	61, 62, 63 & 59	Coovum river	4 Km

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

330 storm water drains to a length of 89.34 km were constructed to ease the flow of rain water in Royapuram zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWD in 'm'
1	49	24	5690
2	50	25	7107
3	51	12	2577
4	52	12	2068
5	53	34	7740
6	54	10	1764
7	55	16	3946
8	56	9	2517
9	57	15	4348
10	58	36	12054
11	59	25	5643
12	60	17	6368
13	61	33	11705
14	62	26	6578
15	63	36	9243
	Total	**330**	**89348**

Water stagnated streets in the monsoon 2015 - heavy rain

During the last monsoon, 13 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

WALLERS ROAD





SINGANNA (C) STREET



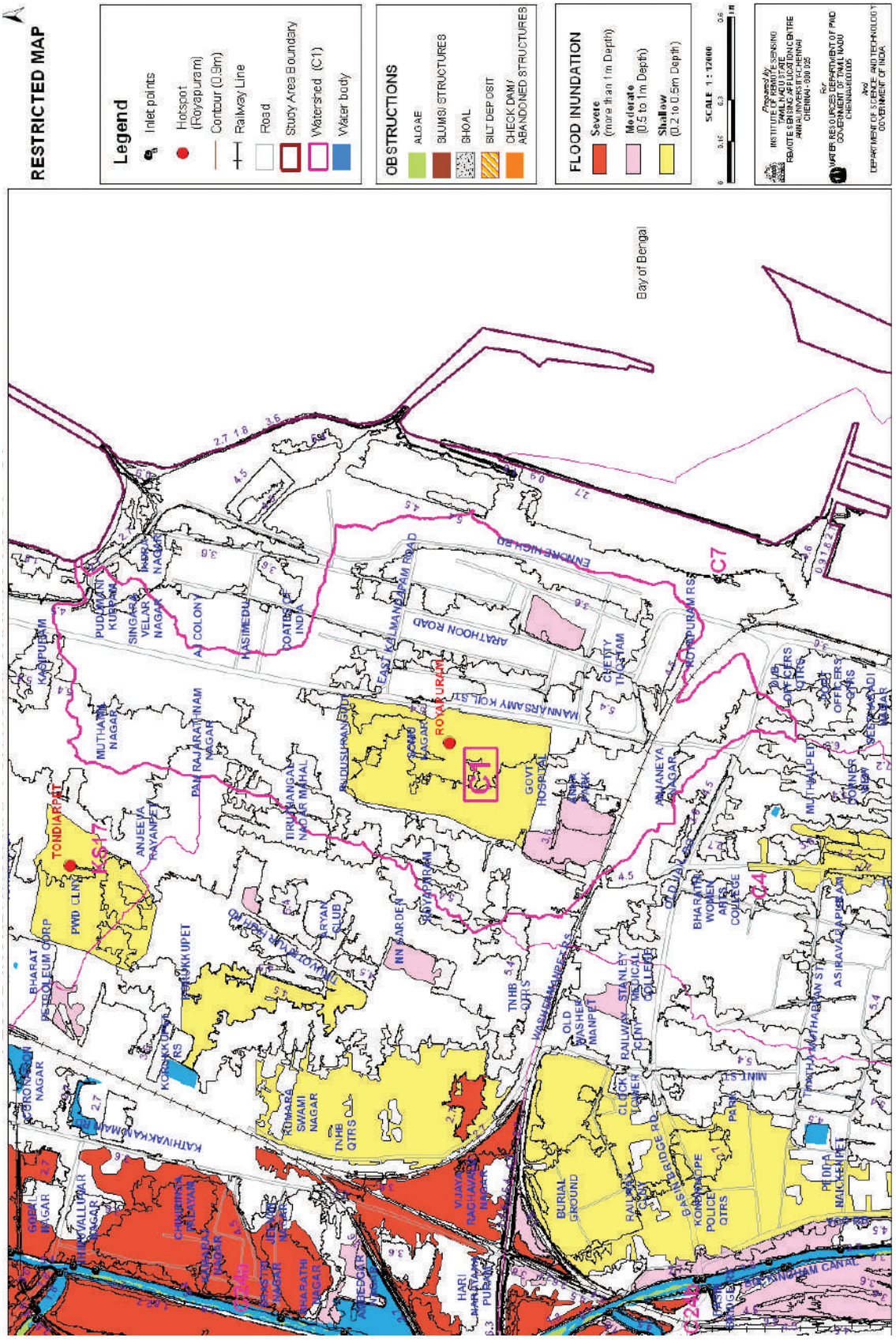


Water stagnated streets in the monsoon 2015 - heavy rain

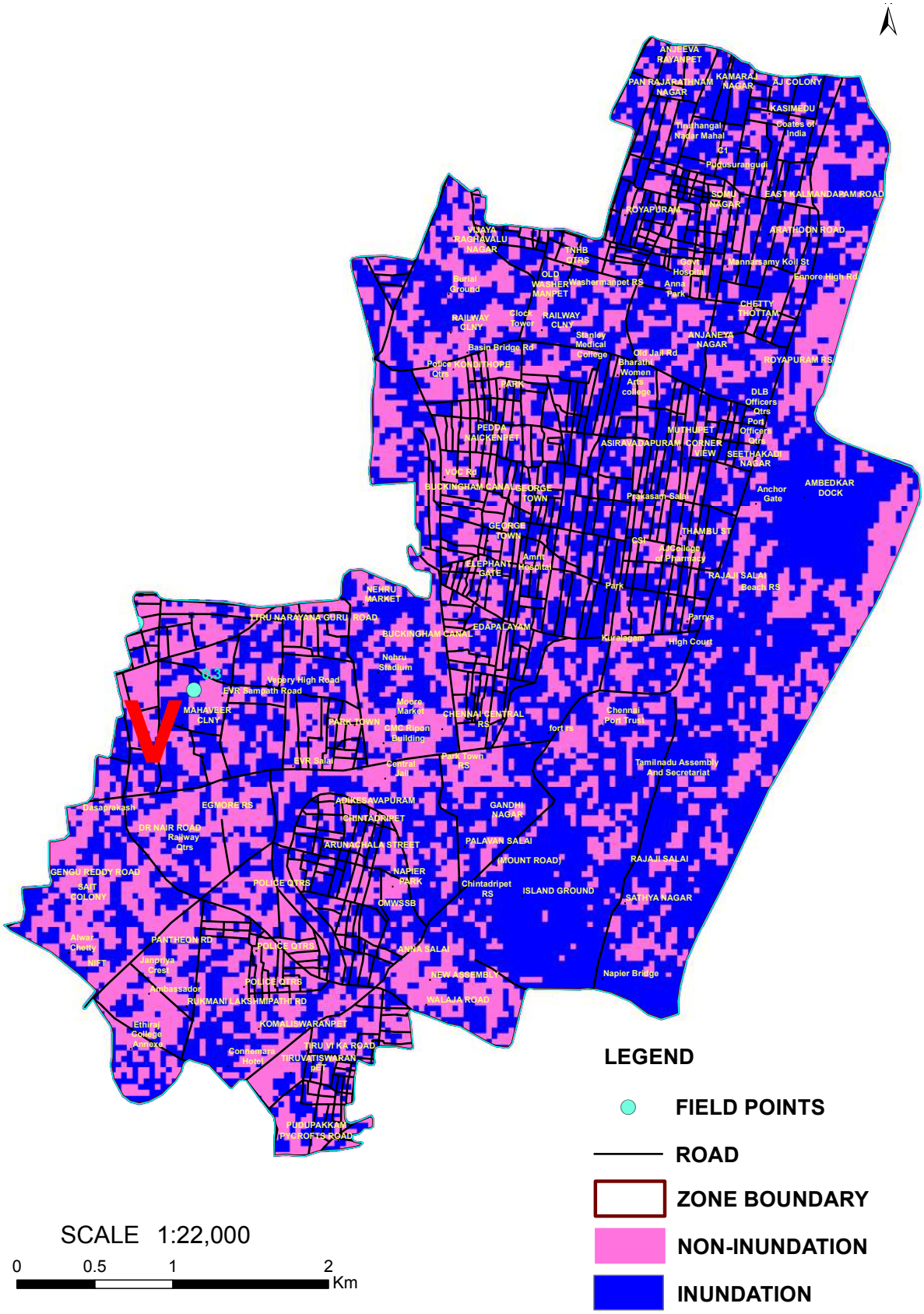
S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	53	Walltax Road	5 HP	(Police Quarters, Kondithoppe)	Pumped out to B Canal
2	53	Vijayaragavalu Roundana,	10 HP	(Zone-5 Office)	Pumped out to B Canal
3	54	Walltax Road	5 HP	Thirupalli Street junction	Pumped out to B Canal
4	54	Walltax Road and	2-HP	Amman Koil Street Junction	Pumped out to B Canal
5	58	EVK Sampath Salai,	5 HP	Vepery Road	B Canal drain pipe provided to connect SWD
6	58	Sydnams Road,	5 HP	Near Taluk office	Coovam River drain pipe provided and connected to SWD for Quick draing
7	59	VOC Salai,	5 HP	Near Railway Office	
8	61	Iyyasamy st	15 HP	Near CMWSSB Office	Pumped out to near by SWD
9	61	Egmore High Road,	5 HP	Near Veeraswamy Street	Centre Median opened for draining ,New drain provided
10	62	Singanna Chetty Street,	5 HP	Jn.of East Coovam Road	
11	62	Arunachalam Road,	5 HP	Near Zion Church	Pumped out to near by SWD
12	63	Chella pillayar Koil Street,	5 HP	Jn of Bharathi Salai.	Pumped out to near by SWD
13	63	G.P. Road,	5 HP	Opp.to Sarmany Hotel	Pumped out to near by SWD

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd sourc method, the picture of the same is given below. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

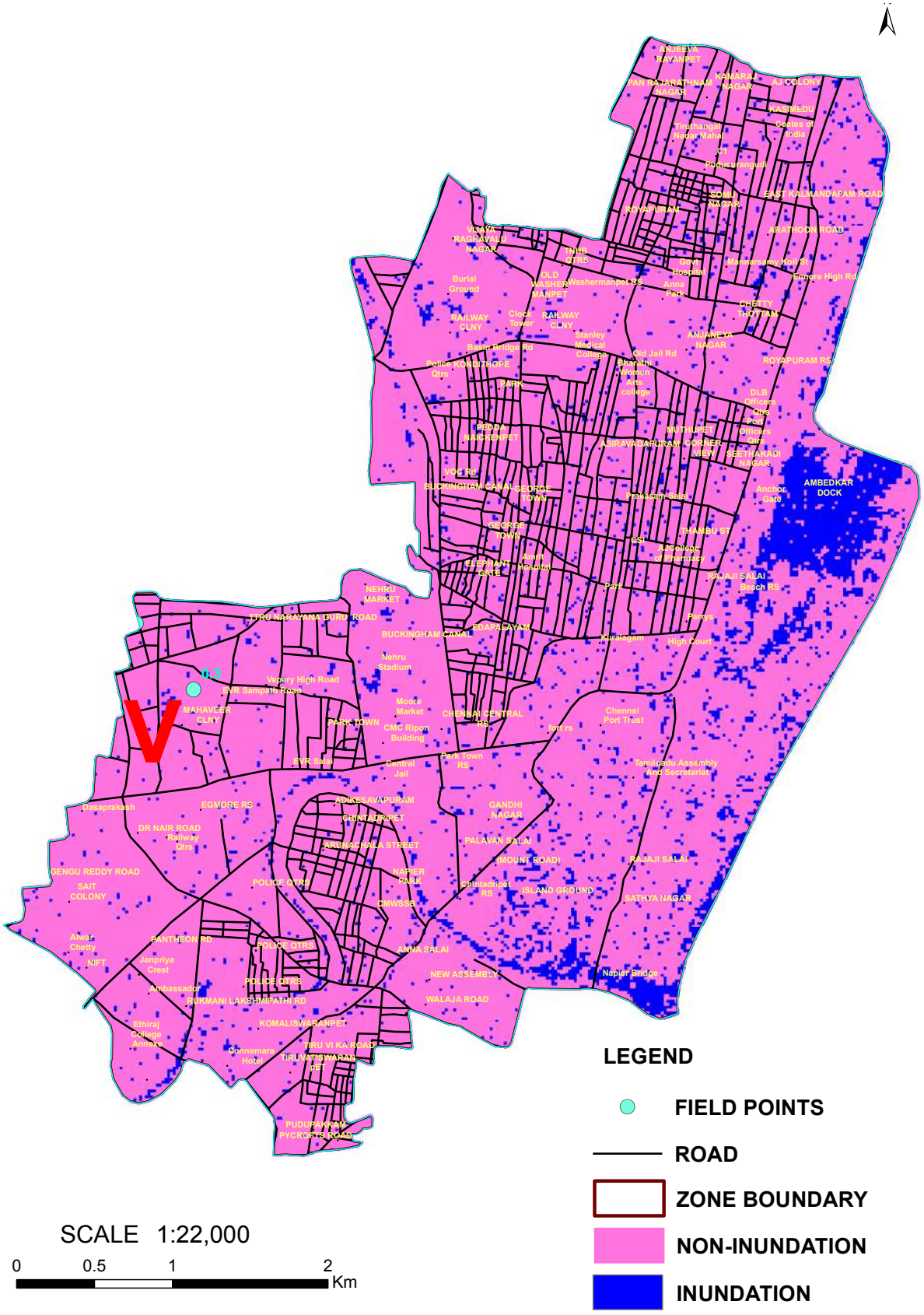
FLOOD INUNDATION MAP FOR ROYAPURAM IN 2005



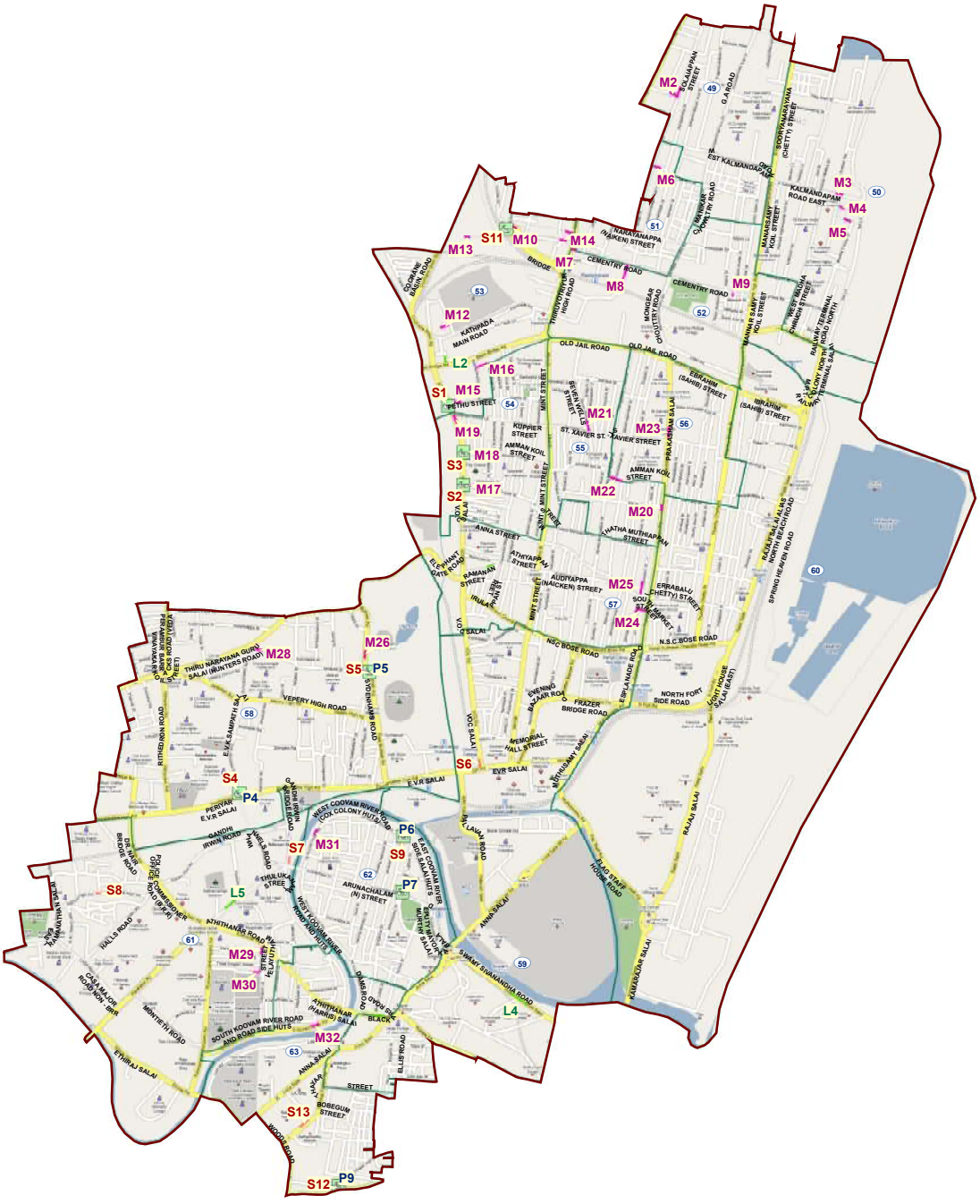
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE V - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP


M2
M6
M3
M4
M5
M13
S11
M10
M14
M7
M8
M9
M12
L2
M16
S1
M15
M21
M19
M23
M18
S3
M17
M22
S2
M20
M25
M24
M26
M28
S5
P5
S4
P4
S6
M31
S7
S9
P6
P7
S8
L5
M29
M30
M32
L4
S13
S12
P9
CEMENTRY ROAD
OLD JAIL ROAD
NSC BOSE ROAD
VEPERY HIGH ROAD
ANNA SALAI
RAJAJI SALAI
EVR SALAI
GANDHI IRWIN ROAD
SOUTH COOVAM RIVER ROAD AND ROAD SIDE HUTS
WEST COOVAM RIVER ROAD AND ROAD SIDE HUTS
EAST COOVAM RIVER BRIDGE SALAI HUTS
ARUNACHALAM (N) STREET
NTHTHANAR ROAD
ARTHANAR (HARRIS) SALAI
BOBEGUM STREET
IRWIN ROAD
SWAMY SIVANANDHA ROAD
KAMARAJAR SALAI
ETHIRAJ SALAI
JAIL ROAD
MINT STREET
ANNA STREET
AMMAN KOIL STREET
ST. XAVIER STREET
KUPPIER STREET
PETHU STREET
EVENING BAZAAR ROAD
FRAZER BRIDGE ROAD
NORTH FORT SIDE ROAD
SPRING HEATER ROAD
RAILWAY TERMINUS ROAD
THIRUVOTTIYUR HIGH ROAD
KATHIRAVA MAIN ROAD
MANNAR SAMY KOIL STREET
KALMANDAPAM ROAD EAST
SOUTH MADA STREET
WEST MADA STREET
NORTH MADA STREET
PRAKASHAM SALAI
IBRAHIM (SAHIB) STREET
ERRABALU CHETTY STREET
SOUTH MADA STREET
LATHA MUTHIAPPAN STREET
ATHIYAPPA STREET
AUDIYAPPA (NAICKEN) STREET
NARAYANAPPA (NAICKEN) STREET
MANNARSAMY KOIL STREET
SOUTH MADA STREET
THIRU NARAYANA PURO SALAI (HUNTERS ROAD)
PERIYAR E.V.R SALAI
GANDHI IRWIN BRIDGE ROAD
MEMORIAL HALLS STREET
RAJAJI SALAI
ROAD SIDE HOME ROAD
ANNA SALAI
SWAMY SIVANANDHA ROAD
KAMARAJAR SALAI
ETHIRAJ SALAI
JAIL ROAD
BOBEGUM STREET
IRWIN ROAD
ARTHANAR (HARRIS) SALAI
NTHTHANAR ROAD
ARUNACHALAM (N) STREET
EAST COOVAM RIVER BRIDGE SALAI HUTS
WEST COOVAM RIVER ROAD AND ROAD SIDE HUTS
SOUTH COOVAM RIVER ROAD AND ROAD SIDE HUTS
GANDHI IRWIN BRIDGE ROAD
PERIYAR E.V.R SALAI
VEPERY HIGH ROAD
NSC BOSE ROAD
EVR SALAI
RAJAJI SALAI

Water stagnated streetsin the monsoon 2015 - Mild rain

S.No	Ward	Name of the Street
1	53	Parasuraman street
2	53	Chidambaram Nagar
3	57	Ramanan Street
4	59	Sivnantha Salai
5	61	Pantheon Road
6	63	Blakers Road

Water stagnated streets in the monsoon 2015- Moderate rain

S.No	Ward	Name of the Street
1	49	Solaiappan Street
2	49	Kothandaraman Street
3	50	G.M.Pettah
4	50	Durai Street
5	50	Venkatasan Street
6	51	Ramanajam Street
7	51	Cemetry Road Jn of T.H. Road
8	52	Modal Lane 1to 5
9	52	Thoppai Street
10	53	Kannan Roundana
11	53	Jayaraman Street
12	53	Stanly Nagar
13	53	Boojaraja Nagar
14	53	Sajjamunusamy Street
15	53	Peddu Street
16	53	North Wall Road
17	54	Thirupalli Street
18	54	Amman Koil Street
19	54	Wall Tax Road
20	55	Prakasam Salai
21	55	Sevenwells Street
22	55	Amman Koil Street
23	56	Prakasam Salai
24	57	Stringer Street

S.No	Ward	Name of the Street
25	57	Devidson Street
26	58	Sydnames Road
27	58	Bakkers Street
28	58	General Collins road
29	61	Velayudam Street
30	61	Driver Street
31	63	South Coovum road

Stagnation of water in streets due to sewer blocks

Sl. No.	Ward /Name	Name of the Streets	No. of manholes
1	49	Solaiappan Street Kothandaraman Street Old AmaranjiPuram	03 03 04
2	50	S.N .Chetty Street Andiyappan Street G.M.Pettai Shiek Masitery Street	02 04 03 04
3	51	Manikandan 6th Street Nainiyappan Street	03 10
4	52	O.S.H.Road Modal Lane Slum M.S.Koil Street	04 06 02
5	53	Sajja Munusamy Street Balasubramani Street Muthiyamasitery Street	02 01 02
6	54	Amman Koil Street Tenapet Ramasamy St	02 03
7	55	Amman Koil St Sevenwells St St.XavierSt Thiyagaraya Street MuthuNayakan St Kumarappa Street	3 4 5 2 2 3
8	56	Prakasam Salai Poniyamman Koil Street Shanmugarayan Street	01 02 02

Sl. No.	Ward /Name	Name of the Streets	No. of manholes
9	57	Adiyappanayakan Street Chandrapa St Gentral Muthiya St Manikandan St Devidson St Acharappan St Thathamuthiyapan Annapillai Mint Street	02 03 02 03 03 03 02 03 02 02
10	58	R.T. (m) street Kalathiappa street	5 7
11	59	Thanchai Murugapa Street Mint Street Boomu Street Frazer Bridge Road	3 2 2 3
12	60	Jones St Mookarnala muthu Street Philipes St Moor St Mannady Post office St	2 2 3 2 2 3 1
13	62	Bala Krishna St Palaniandavar Koil st Kalavai Street Singanna St Wallers Street	1 1 1 2 1
14	63	Pantheon Road Egmore High Road	2 2
		Total	**154**

Relief Centres

There are 11 relief centres to a total capacity of 2250 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
1	50	200	CMS Durai St	Durai st & surrounding plases	Yes	Yes	Yes	Sanitation, Medicine	SI	9092814637
								Evacuation & Relief Materials	AE	9445190350
								Food & Drinking water	ARO	9884043659
2	53	200	Zonal office-5, No.61 Basin Bridge Road, Royapuram	Chidambaram Nagar	Yes	Yes	NO	Sanitation, Medicine	SI	9445025853
								Evacuation & Relief Materials	AE	9445190353
								Food & Drinking water	ARO	9884043659
3	58	300	Community hall Mannapar Thidal Sydenhams Road	Thideer Nagar and Natesan Nagar	Yes	Yes	NO	Sanitation, Medicine	SI	9629987460
								Evacuation & Relief Materials	AE	9841952155
								Food & Drinking water	ARO	8838018634
4	59	200	Community hall S.M.Nagar	Gandhi Nagar	Yes	Yes	NO	Sanitation, Medicine	SI	9840094340
								Evacuation & Relief Materials	AE	9445190359
								Food & Drinking water	ARO	8838019634
5	62	200	MRTS Railway Station Chinthardripet	Pallavan Nagar	Yes	Yes	NO	Sanitation, Medicine	SI	9629987460
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	8838018634
6	61	250	Anthoneyar School Adithanar Salai, Egmore	Transport lane	Yes	Yes	NO	Sanitation, Medicine	SI	8072680350
								Evacuation & Relief Materials	AE	9445190361
								Food & Drinking water	ARO	8838018634

Sl. No.	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
7	61	200	Chennai Middle School, Varaharaja puram, Egmore	Varatharaja puram	Yes	Yes	NO	Sanitation, Medicine	SI	8072680350
								Evacuation & Relief Materials	AE	9445190361
								Food & Drinking water	ARO	8838018634
8	62	250	Chennai High School , West Coovum Road Pudupet	Rex Street, Five huts	Yes	Yes	NO	Sanitation, Medicine	SI	9629987460
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	8838018634
9	62	50	Corpuoration Gym, Ulagappan Street Chinthadripet	West Coovum Road	Yes	Yes	NO	Sanitation, Medicine	SI	9629987860
								Evacuation & Relief Materials	AE	9445190362
								Food & Drinking water	ARO	8838018634
10	63	200	Chennai Primary School Goyathoppu Street Pudupet	South Coovum Road	Yes	Yes	NO	Sanitation, Medicine	SI	8072680350
								Evacuation & Relief Materials	AE	9445190363
								Food & Drinking water	ARO	8838018634

Subways

There are 5 subways in Royapuram zone for a length of 1492 m. The electrical pumps (5HP-1, 12.5 HP – 2,15 HP - 1 & 25HP-2) and diesel pumps (5HP -4, 10HP-10, 12.5HP -4 & 7.5HP -2) are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Location	Length of the subway in'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 60 R.B.I. Subway	600	Canal	10-HP-6 15 HP-1 25 HP-2
2	Ward 61 Gengu Reddy Subway	400	Canal	10 HP-6 20-HP-1
3	Ward 52 M.C.Road Subway	382	Canal	10 H.P - 4
4	Ward 53 C.B.Road Subway	50	Canal	7.5 HP-1
5	Ward 60 Rajaji Salai Subway near Beach railway station	60	B- Canal	10 HP - 1



R.B.I. Subway



Gengu Reddy SubWay



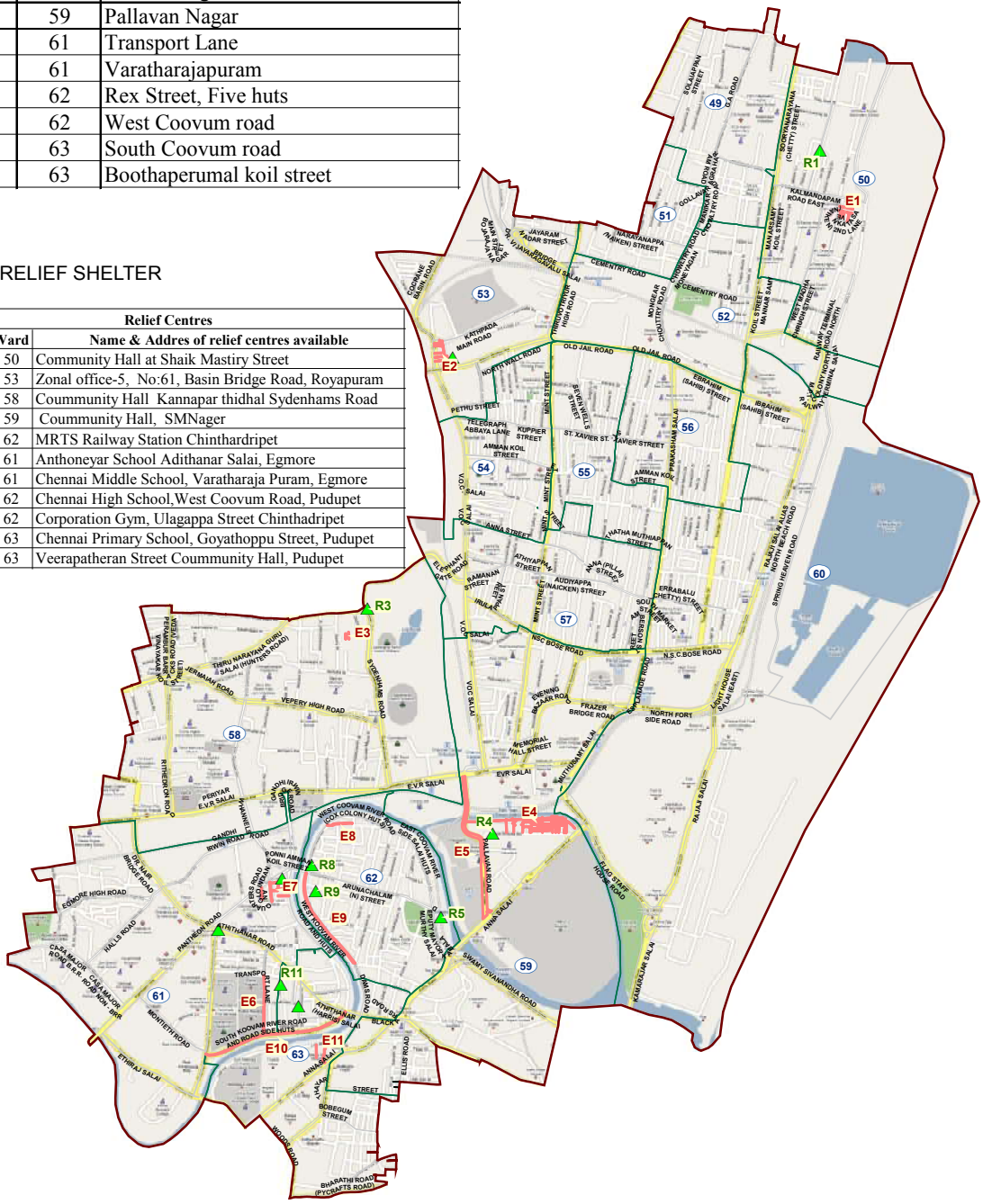
ZONE V - EVACUATION & RELIEF SHELTER

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	**Ward**	**List of streets, people to be shifted**
E1	50	Corporation Colony
E2	53	Chidambaram Nagar
E3	58	Thideer Nagar and Natesan Nagar
E4	59	Gandhi Nagar
E5	59	Pallavan Nagar
E6	61	Transport Lane
E7	61	Varatharajapuram
E8	62	Rex Street, Five huts
E9	62	West Coovum road
E10	63	South Coovum road
E11	63	Boothaperumal koil street

RELIEF SHELTER

Relief Centres		
ID. No.	**Ward**	**Name & Addres of relief centres available**
R1	50	Community Hall at Shaik Mastiry Street
R2	53	Zonal office-5, No:61, Basin Bridge Road, Royapuram
R3	58	Coummunity Hall Kannapar thidhal Sydenhams Road
R4	59	Coummunity Hall, SMNager
R5	62	MRTS Railway Station Chinthardripet
R6	61	Anthoneyar School Adithanar Salai, Egmore
R7	61	Chennai Middle School, Varatharaja Puram, Egmore
R8	62	Chennai High School,West Coovum Road, Pudupet
R9	62	Corporation Gym, Ulagappa Street Chinthadripet
R10	63	Chennai Primary School, Goyathoppu Street, Pudupet
R11	63	Veerapatheran Street Coummunity Hall, Pudupet



Tree fall

During the last monsoon, in Royapuram zone totally 13 tree branches were fallen and cleared. The major tree fall in this zone were noticed in the following locations in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	49	Solaiappan Street Near CWC. New Thandavarayan St., (Near market), M.C.Road (Near Arihant Showroom)
2	51	Cemetery Road (Near Classic Apartment), East Cemetery road (Hosing Board), Selva Vinayaga Street
3	52	B.C.Press Road, Cemetry Road (Near RSRM Hospital)
4	53	Peddu St.,(Near Police Quarters) Basin Bridge Road (Near Mint Bridge)
5	56	Thiruvalluvan Nagar
6	59	E.V.R.Salai (Near MMC Ground), Issac Street (Near Women Police hostel)

Streets - water entered houses - do not require evacuation

During the last monsoon, 6 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 6 locations were inundated for more than a day by which the normal day to day activity of 50 people were standstilled. Flood water from these areas was cleared by using 3 pumps ranging from 5 HP to 20 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	53 Dr.Vijaya Rahavalu Road	Srinivasan Street, Boojaraja Nagar, Kannan Street, Sajja Munusamy Street, Stanley Nagar Canal Street , P.P.Amman Koil Street Slum in Dn-53

Streets that require evacuation

In Royapuram zone, there was no evacuation during the heavy flood that occurred in 2015.

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 7 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	58&61	Assistant Engineer	9445190922
2	59 P,58P,57P &54P	Assistant Engineer	9445190923
3	62,63 & 59 P	Assistant Engineer	9445190924 & 922
4	53-P,54-P 57-P 55-P	Assistant Engineer	9445190921
5	49,50,51,53-P	Junior Engineer	9445190919
6	49 to 63	Additional divisional Engineer (Zone)	9445190045
7	49 to 63	Divisional Engineer (HQ)	9445190753

National Disaster Response Force (NDRF)

In Royapuram zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	53	Greater Chennai Middle School Basin Bridge road, Chennai-600 021

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

In this Zone there was no such situation of using Rescue boats.

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 8 debris lorries, 6 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in the zone are given below.

No. of lorries and type kept in readiness
Debris lorry - 8
Skid steer loaders (Bob cat) - 4
(Front end loader) JCB - 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445026097	1	6	6 -HMV, 1-LMV	2

Streets/lanes less than 2.5 m that cannot be accessed by Vehicles

Nil

Ward Committee

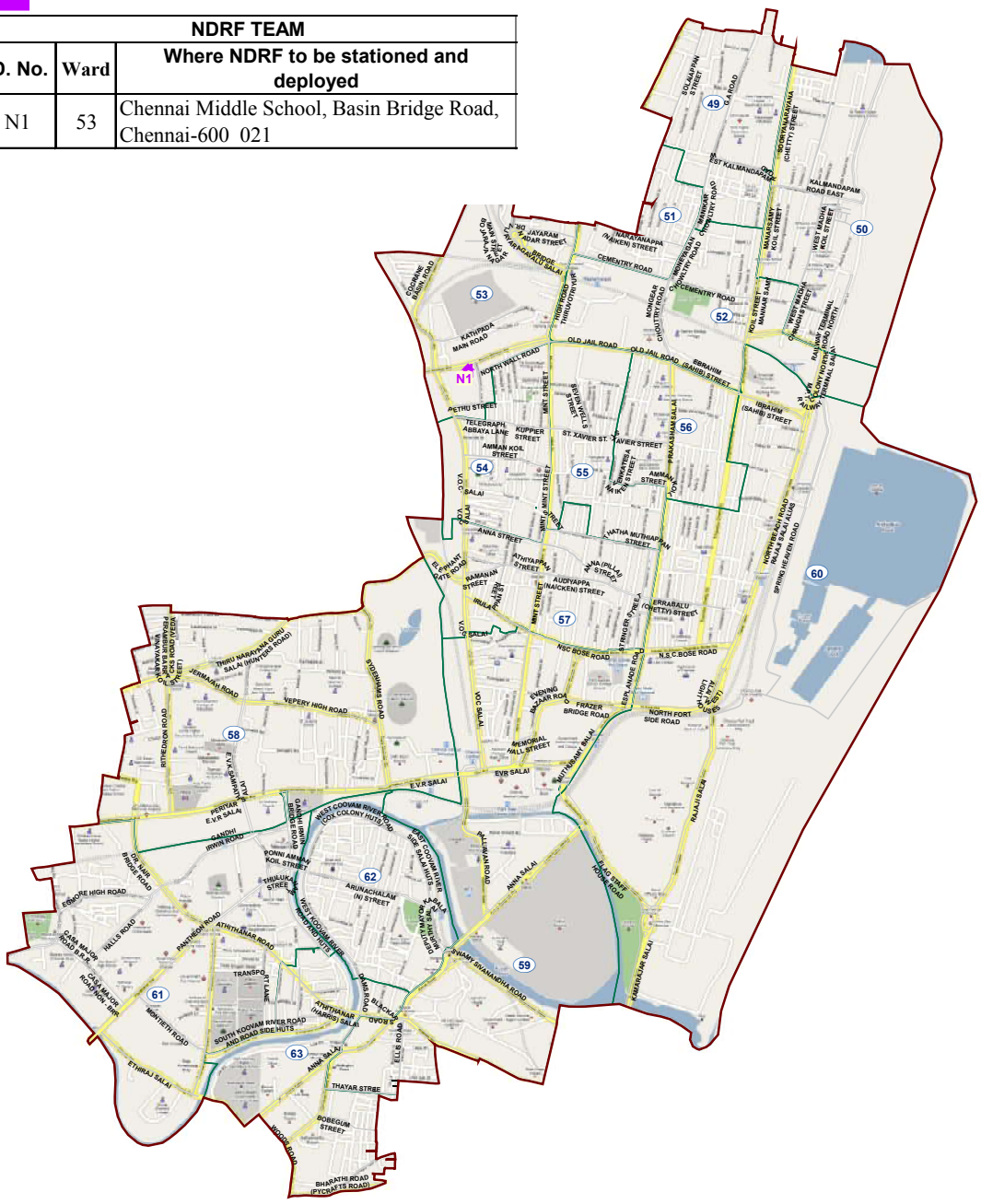
It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

ZONE V - NDRF TEAM

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	53	Chennai Middle School, Basin Bridge Road, Chennai-600 021



Ward committee - 49

Ward councillor – 9445467049

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190349
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9976935501
GCC - Veterinary	Veterinary Assistant Surgeon	9884799225
GCC - Solid waste management	Conservancy Inspector	9445190549
GCC - Revenue	Tax Collector	9840661625
Revenue	Revenue Inspector	8056070278
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930049
TANGEDCO	Junior Engineer	9445850884
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086021
Police station	Inspector	9994798981
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –50

Ward councillor -9445467050

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190350
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9092814637
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190550
GCC - Revenue	Tax Collector	7358476381
Revenue	Revenue Inspector	9176017058
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930050
TANGEDCO	Junior Engineer	9445850885
BSNL	Assistant Engineer	9445147222
Fire service	Inspector	9445086021
Police station	Inspector	9840336557, 9962622043
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee–51
Ward councillor – -9445467051

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190351
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9445025851
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190551
GCC - Revenue	Tax Collector	9003432007
Revenue	Revenue Inspector	8056070278
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930051
TANGEDCO	Junior Engineer	9445850886
BSNL	Assistant Engineer	9445147222
Fire service	Inspector	9445086021
Police station	Inspector	9840336557, 9962622043
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –52
Ward councillor – - 9445467052

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190352
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9941812368
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190552
GCC - Revenue	Tax Collector	9382171451
Revenue	Revenue Inspector	9840357311
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930052
TANGEDCO	Junior Engineer	9445850887
BSNL	Assistant Engineer	25255486
Fire service	Inspector	9445086021
Police station	Inspector	9840336557,9626223
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –53
Ward councillor – -9445467053

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190353
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	7904861562
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190553
GCC - Revenue	Tax Collector	9380088607
Revenue	Revenue Inspector	733899920
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930053
TANGEDCO	Junior Engineer	9445850888
BSNL	Assistant Engineer	25255486
Fire service	Inspector	9445086021
Police station	Inspector	9444217455
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee –54
Ward councillor – 9445467054

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190354
GCC - Electrical	Assistant Engineer	9445190919
GCC- Health	Sanitary Inspector	9941812368
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190554
GCC - Revenue	Tax Collector	9884739151
Revenue	Revenue Inspector	7358476381
GCC - Park overseas	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930054
TANGEDCO	Junior Engineer	9445850228
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086006
Police station	Inspector	9840948804, 9940223842
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –55
Ward councillor – -9445467055

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	94454190355
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	9976935501
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190555
GCC - Revenue	Tax Collector	9444355755
Revenue	Revenue Inspector	9380320297
GCC - Park overseas	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930055
TANGEDCO	Junior Engineer	25268833, 25271214
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9444612745
Police station	Inspector	9498133428, 94981047
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –56
Ward councillor -9445467056

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190356
GCC - Electrical	Assistant Engineer	9445026119
GCC- Health	Sanitary Inspector	9003432007
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190556
GCC - Revenue	Tax Collector	9840357311
Revenue	Revenue Inspector	7904598538
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930056
TANGEDCO	Junior Engineer	9445850728
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086069
Police station	Inspector	9444864889
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee –57
Ward councillor – -9445467057

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190357
GCC - Electrical	Assistant Engineer	9445190921
GCC- Health	Sanitary Inspector	9941812368
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190557
GCC - Revenue	Tax Collector	9791126199
Revenue	Revenue Inspector	9094166850
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930057
TANGEDCO	Junior Engineer	9445850732
BSNL	Assistant Engineer	9444991229
Fire service	Inspector	9445086069
Police station	Inspector	7904639011
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee – 58
Ward councillor – 9445467058

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190358
GCC - Electrical	Assistant Engineer	9445190923
GCC- Health	Sanitary Inspector	9629987460
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC-Solidwaste management	Conservancy Inspector	9445190558
GCC - Revenue	Tax Collector	9150874769
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930058
TANGEDCO	Junior Engineer	9445850738, 9445850720
BSNL	Assistant Engineer	044-25611274,9445018645
Fire service	Inspector	044-26426422, 9445086069
Police station	Inspector	9952695054
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9486544163

Ward committee – 59
Ward councillor – 9445467059

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190359
GCC - Electrical	Assistant Engineer	9445190923
GCC- Health	Sanitary Inspector	9840094340
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190559
GCC - Revenue	Tax Collector	98409940159
Revenue	Revenue Inspector	9444253196
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930059
TANGEDCO	Junior Engineer	9445850702 9445850705
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9445086012
Police station	Inspector	9840976307, 9566179770, 9840948804, 7010514558
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 60
Ward councillor – 9445467060

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190360
GCC - Electrical	Assistant Engineer	9445026119
GCC- Health	Sanitary Inspector	9094166850
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190560
GCC - Revenue	Tax Collector	9382171451,9094664705, 9444442287
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930060
TANGEDCO	Junior Engineer	9445850712,9445850713,
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9445086012
Police station	Inspector	8778004284
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 61
Ward councillor – 9445467061

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190361
GCC - Electrical	Assistant Engineer	9445190922
GCC- Health	Sanitary Inspector	8072680350
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190561
GCC - Revenue	Tax Collector	8608311888
Revenue	Revenue Inspector	9940020737,9094664705
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930061
TANGEDCO	Junior Engineer	9445850716
BSNL	Assistant Engineer	9444976224
Fire service	Inspector	9865177211
Police station	Inspector	9003159233, 9941106279, 7010669760
PWD	Assistant Engineer	9444612745
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 62
Ward councillor – 9445467062

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190362
GCC - Electrical	Assistant Engineer	9445190924
GCC- Health	Sanitary Inspector	9629987460
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190562
GCC - Revenue	Tax Collector	9094664705
Revenue	Revenue Inspector	9384094043
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930062
TANGEDCO	Junior Engineer	9445850705
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	8072799129
Police station	Inspector	9566132288
PWD	Assistant Engineer	9445401868, 7418862339
TNUHDB	Assistant Engineer	9445074770
Highways	Divisional Engineer	9487207706

Ward committee – 63
Ward councillor – 9445467063

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190363
GCC - Electrical	Assistant Engineer	9445190924
GCC- Health	Sanitary Inspector	8072680350
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190563
GCC - Revenue	Tax Collector	9176017058
Revenue	Revenue Inspector	9445603692
GCC - Park overseer	Park Supervisor	7299519348
CMWSSB	Assistant Engineer	8144930063
TANGEDCO	Junior Engineer	9445850706
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	9865177211
Police station	Inspector	9941106279, 9840952703
PWD	Assistant Engineer	9444612745-
TNUHDB	Assistant Engineer	9445074772
Highways	Divisional Engineer	948727706

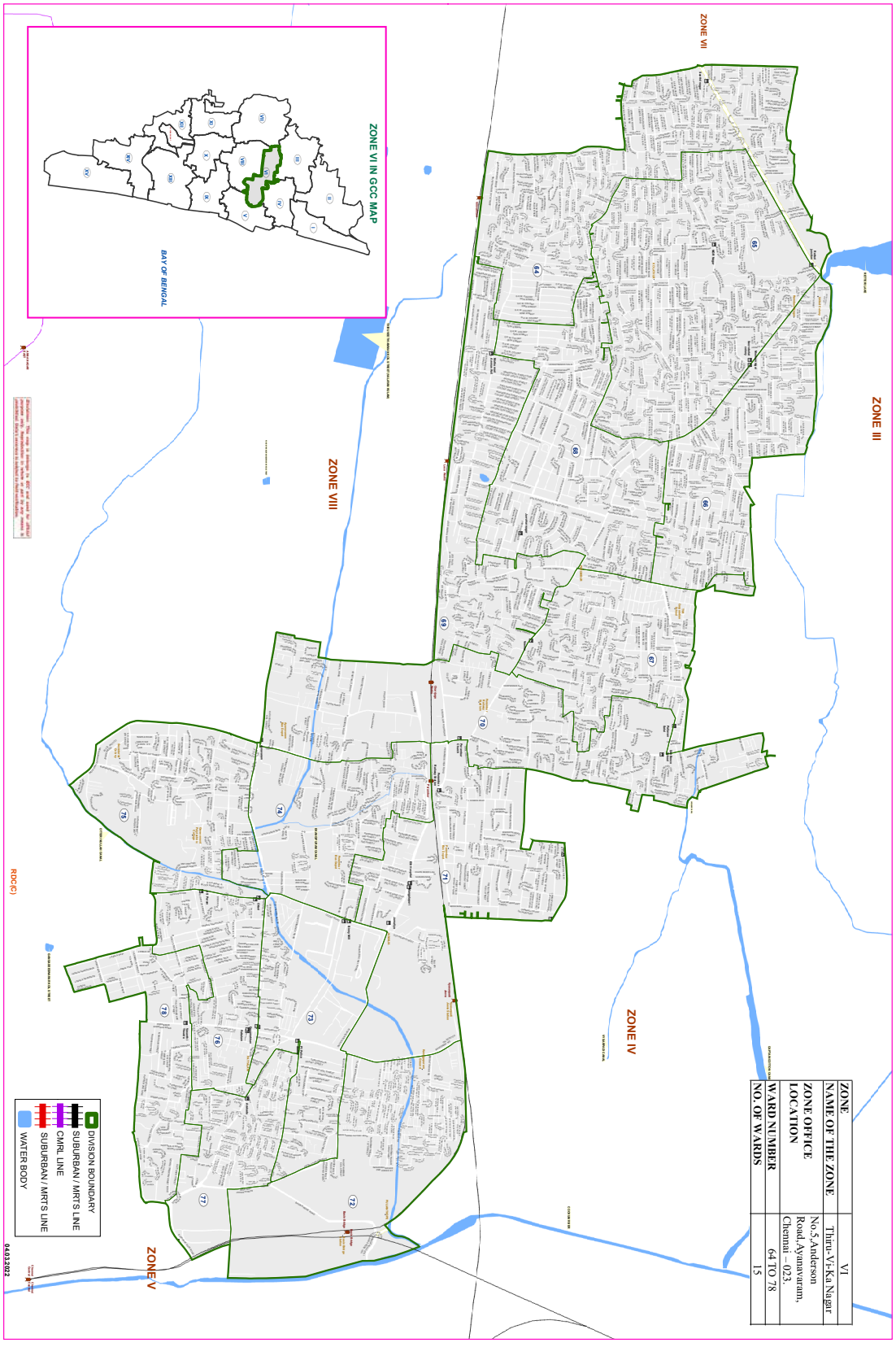
ZONE - VI

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THIRU VI KA NAGAR

ZONE VI - WARD BOUNDARY



Profile

The Thiru-Vi-Ka Nagar zone lies in Latitude **13.09784°**, Longitude 80.25677° and extents to an area of **31.72** Sq.km..

The population is about **7.78 Lakhs**. It is divided into 3 administrative units namely unit 15,16 & 17 which includes 15 wards from 64 to 78. In this zone there are 2255 roads, out of which 2200 roads to a length of 380.85 Km are Interior Roads, 55 Roads to a length of 35.47 Km are Bus Route Roads which are maintained by GCC and the balance 1 road are under the maintenance of Highways department.

There are 15 Wards in Thiru – Vi – Ka – Nagar zone having a total population 7.78 lakhs with Male population of about 48.97% and Female population of about 51.03 % In this zone, the most crowded area is Div 64 with a population of 95806 and the least populated area is Div. 70 with a population of 35,132. The Ward wise population is given below,

Sl.No.	Ward No	Total House Holds	Total Population
1	64	17406	95806
2	65	17398	74440
3	67	14621	45952
4	66	15909	57787
5	68	12234	46642
6	69	14700	48245
7	70	10004	35132
8	71	10037	36961
9	72	10706	51332
10	73	9689	39283
11	74	15105	57841
12	75	7690	51917
13	76	12015	52831
14	77	10860	39840
15	78	16126	43989
	TOTAL	**194500**	**777998**

Zone Administration

The Zone is headed by the Zonal Officer who works with close coordination with the Commissioner, Greater Chennai Corporation and other officials. The Zonal Officer is assisted by Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate officers. The responsibilities of each officers are well described in the page number 155 of this booklet The following are contact details of the officials.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	64 - 78	9445467069
2	Zonal Officer	64 - 78	9445190006

Engineering Wing

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer – I	64 to 70	9445190038
2	Executive Engineer – II	71 to 78	9445190026
3	Assistant Executive Engineer	Unit-15	9445190115
4	Assistant Executive Engineer	Unit-16	9445190116
5	Assistant Executive Engineer	Unit-17	9445190117
6	Assistant Executive Engineer - Electrical	64 to 78	9445190046
7	Assistant Executive Engineer - Mechanical	64 to 78	8525815181

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbages, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Assistant Executive Engineer, Solid Waste Management	64 to 78	9381320990
2	Conservancy supervisor	Unit-15	9445191415
3	Conservancy supervisor	Unit-16	944191416
4	Conservancy supervisor	Unit-17	9445191417

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners. The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers coordinate with them for general maintenance of health in the zone. The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone VI	9445190066
2	Senior Entomologist	Zone VI	9444422035
3	Sanitary Officer	Unit-15	9444464412
4	Sanitary Officer	Unit-16	9444464412
5	Sanitary Officer	Unit-17	9500010512
6	Veterinary Assistant Surgeon	Zone - VI	7305106665
7	Veterinary Assistant Surgeon Slaughter House	Zone - VI	9445026041

Parks

In this zone there are 41 Parks available in various locations such as Perambur, Elephant Gate Road, Jawahar Nagar and Paper Mills Road etc. . These parks serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9444249657 Park Overseer	Power saw – 9	Thiru – Vi –Ka -Kagar

S. No	Ward	Location of the Park
1	64	V.V. Nagar Park, Mohamadded Hussain Colony park, Rajaji Nagar Rohini park, RK Syndicate Nagar park, Mahaveer Nagar park, Thirumalai Nagar park, Senthil Nagar 10th street park, Janakiraman Colony park, P.U. Shanmugam Park Senthil Nagar park 13th Street (Thanthai Periyar park), Sakthivel Nagar 2nd Park.
2	65	Thenpalani Nagar TVK Park, Thenpalani Nagar VOC park, Poombughar Nagar park, Poombughar nagar park, Anjugam Nagar park
3	67	SRP Koil Street, George Colony Park, KKR Avenue Park Pallavaram Salai, Sajid Hussain Prk, KenndySqare North Street
4	68	Jawahar 5th Main Road Park, Periyar Nagar 21st Street Park, Jawahar Nagar 2nd Circular Road Park
5	70	Venkateswara Nagar 1st Park, Ragavan Street Park
6	71	M.H. Road Rajiv Ganthi Park, Perambur Mursolimaran Park (North) Vadivel 2nd street park, Kannapiran Koil Street Park
7	73	Quiad-e-Millet Park, New Ferrance Park, Wardiay park at New Ferrance Road, Kalainagar Karu-nanithi Park
8	74	Perambur Murasoli Maran Park (South), Krishnadass Main Road Park
9	75	Otteri Tropical Dry Ever Green Forest (Herbal Park)
10	76	Patel Park, Corner Smith Nagar Park, Selvapathy Park, Bakthavatchalam Park.
11	77	Amma Park, Elephant Gate Road, New TPF Park

Sewage Pumping Stations

There are Fifteen pumping stations available in Thiru – Vi –Ka - Nagar Zone with average capacity of 11.26MLD for each pumping station. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station is given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	Venus Nagar	5.0	1– 100 HP
2	Srinivasan Nagar Main Road	15.0	1- 20 HP
3	School Road Near School	15.0	1– 10 HP 1- 15 HP
4	Gopal Colony	5.0	1 – 20 HP
5	Perambur Subway	5.0	1 – 10 HP, 1-25 HP
6	Ganeshapuram Subway	6.0	1-50 HP, 2-55 HP, 1-35 HP, 2-30 HP, 1-22 HP, 1-10 HP
7	Ambedkar College Road Near Old Slaughter House	15.0	1– 20 HP, 1- 25 HP
8	Stephenson Road South Side Near By Grass or grand	15.0	2– 50 HP, 2- 20 HP
9	Stephenson Road North Side Near by SPR City	15.0	1 - 50 HP, 2 - 20 HP,
10	S.S Puram 7th Street	10.0	2 - 25 HP
11	Munuswamy street	10.0	2 - 50 HP, 1 – 25 HP 1 -100 HP
12	Lorry Station	5.0	7 – 10 HP, 3 - 25 HP

Tamilnadu Urban Habitat Development Board

There are 13 TNUHDB tenements in Thiru - Vi - Ka - Nagar zone with a population of 35760. Greater Chennai Corporation will take care of garbage clearance and CMWSSB will take care water supply and sewage issues inside these tenements. The details of tenements and the contact details of the Officials are given below,

Sl.No	Ward	Tenement location	No. of tenement	Population
1	67	Jamaliya HousingBoard	Work under Progress	
2	68	Raja Garden	Demolished & Re-construction	
3	70	GowthamapuramHousing Board	840	3200
4	71	B.S. Moorthy Nagar	320	1500
5	72	Vasuki Nagar	64	256
6	72	M.S. Muthu Nagar	660	2640
7	73	Periyar Nagar Housing Board	Demolished & Re-construction	
8	75	Sathyavani Muthu Nagar (old)	438	363608
9	75	Sathyavani Muthu Nagar (new)	464	

Sl.No	Ward	Tenement location	No. of tenement	Population
10	74	Mangalapuram HB	160	800
10	76	Dobikanna Housing Board	120	520
11	76	Sachidanandam Slum Tenemant	222	930
12	77	PK Colony	Demolition & Re-construction	
13	77	KP Park (New)	1920	1600
14	77	KP Park (Old)	672	3360
	Total		5880	26414

Contact details

Department	Designation	Area	Contact No.
TNUHDB	Executive Engineer	Vysarpadi	9789002072
Water Supply& Sewage / CMWSSB	Area Engineer	Area - 6	8144930906

Water Bodies and Waterways

There are 3 Canals and 1 Water channel. The 3 canals are namely Ekangipuram / Railway Canal, Jawahar Canal and Gandhi Canal. All the 3 canals dispose the rain water into Otteri nallah. The Railway canal originates from Villivakkam Railway gate and traverses 1.60 km and reaches Ekangipuram canal. The Ekangipuram Canal originates from Perambur high road (south) and traverses about 1.00 km and reaches Konnur high road Twin Canal. The Twin Canal at Konnur High Road carries the entire rain water and reaches Otteri Nallah near Otteri Bridge. Jawahar Canal originates from Madhavaram High Road and traverses 0.70 km and reaches CC Canal. The Gandhi Canal originates from Demellous road and passes through a length of 0.90 km and reaches GMR confluence point.

Greater Chennai Corporation is doing a massive work to remove hyacinth and also performing desilting works in all the canals,storm water drain, rivers & lakes periodically as a precautionary measure inorder to face the upcoming monsoon. Storm Water Drains were constructed by GCC for a distance of 115 km to ease the flow of rain water. Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies.

The details of various water bodies in this zone is listed below,

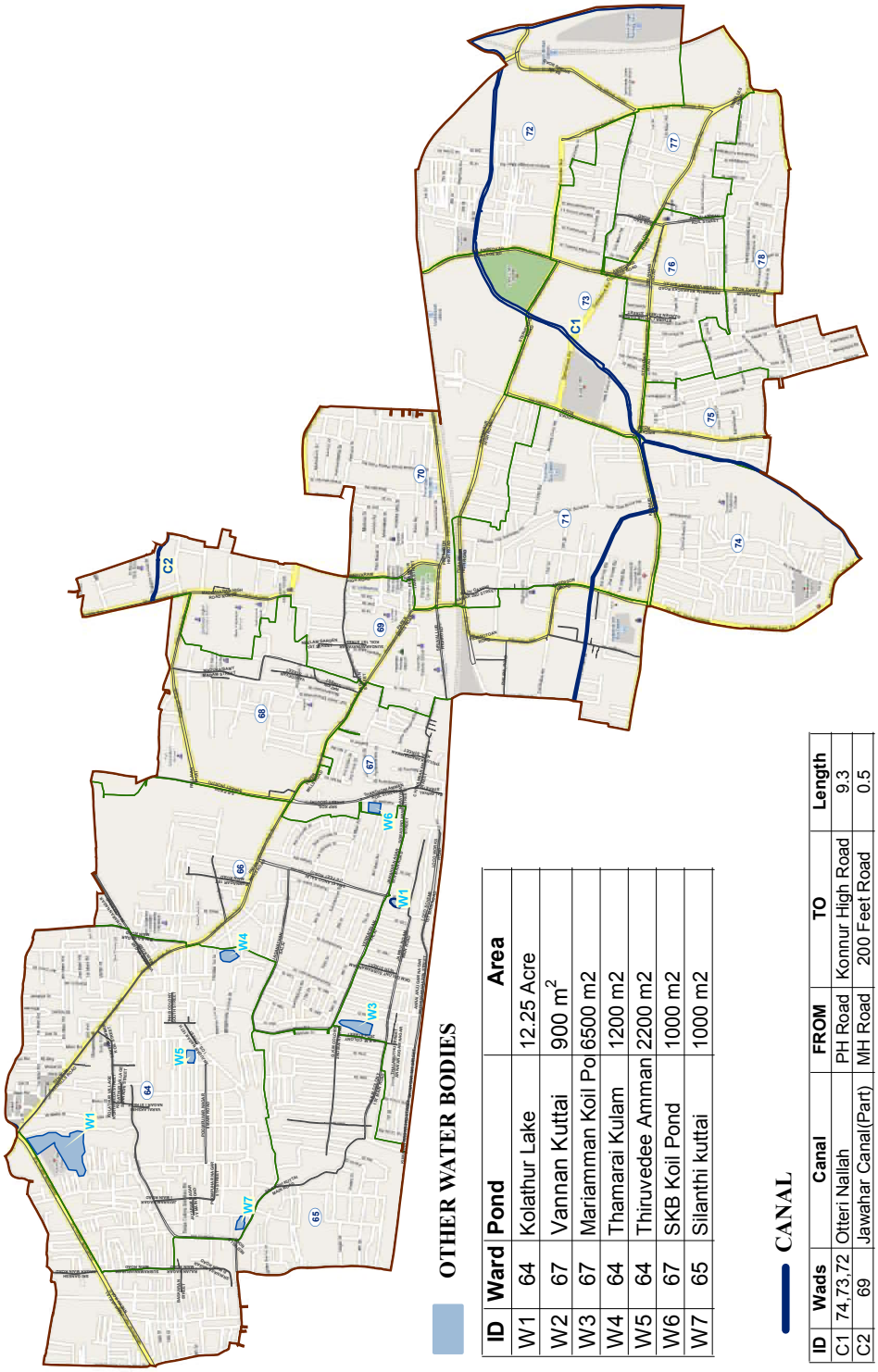
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Otteri Nallah	71, 72, 73, 74, 75	Medavakkam Tank Road (Kellys)	GMR confluence Point	3.35
2	Jawahar Canal(Part)	70	MH Road	GNT Road	0.70
3	Railway Canal	70	Villivakkam Rail-way gate	Anderson Road, Railway Quarters	1.60
4	Ekangipuram Canal	74	Perambur High Road (South)	Konnur High Road Twin Canal	1.00
5	Gandhi Canal	73	Pulianthope High Road	Powder Mills Road	0.45

Other water bodies

S. No.	D.No	Name of Other water bodies	Extent in Sq.m
1	64	Kolathur Lake (PWD)	20000
2	64	Haridoss Pond	8500
3	64	ThiruveethiammanKoil Pond	3000
4	64	North Mada Street, Sanathi Street, (Chan-dra Kulam) (HR &CE)	1200
5	64	Chandra Kulam	812
6	64	Suriyan Kulam	616
7	65	Kannagi Nagar	2700
8	65	Silanthi Kuttai	1000
9	65	Srinivasan Nagar 3rd Main Road	1200
10	66	K.C.Garden 4th Street	800
11	67	Kanagar Street, Sundara Perumal Koil Lake	5000
12	67	GKM Colony 24th Street, (TNUHDB)	10000
13	67	GKM Colony 9th Street, Vannan Kuttai (TNUHDB)	1500
14	67	Chakarabani Thoottam Pond	100
15	68	Thilliainayagam 2nd Street	1500
16	68	Paper Mills Road	1000
17	69	Thikkakulam (Railway Property)	1000
18	69	Sankaramadam Street	1000
19	71	Semathamman Colony	1000
20	76	Kandhaswamy Koil Street (Square Tank)	1276
21	77	Ayyavoo Street (Thattangulam Pond)	608
22	78	Angalammankoil Street (Square Tank)	506

ZONE VI - WATER BODIES



OTHER WATER BODIES

ID	Ward	Pond	Area
W1	64	Kolathur Lake	12.25 Acre
W2	67	Vannan Kuttai	900 m^2
W3	67	Mariamman Koil Po	6500 m2
W4	64	Thamarai Kulam	1200 m2
W5	64	Thiruvedee Amman	2200 m2
W6	67	SKB Koil Pond	1000 m2
W7	65	Silanthi kuttai	1000 m2

CANAL

ID	Wads	Canal	FROM	TO	Length
C1	74,73,72	Otteri Nallah	PH Road	Konnur High Road	9.3
C2	69	Jawahar Canal(Part)	MH Road	200 Feet Road	0.5

Storm water Drains

This is one of the newly added zones where, infra structure facilities are being provided. Particularly new network SWD's construction is under progress as part of the Integrated Storm Water drain network. The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off the rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

There are 467 storm water drains to a length of 115 Km were constructed to ease the flow of rain water in Thiru – Vi – Ka –Nagar zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in Km
1	64	56	14.78
2	65	68	13.59
3	66	89	19.43
4	67	31	7.63
5	68	62	16.85
6	69	34	8.35
7	70	26	7.23
8	71	28	11.55
9	72	15	3.05
10	73	18	6.58
11	74	14	5.26
12	75	21	6.36
13	76	25	5.74
14	77	19	4.97
15	78	15	3.39
TOTAL		**521**	**134.76**

Water stagnated streets in the previous monsoon - heavy rain

During the last monsson,15 inundated spots in this zone were identified and actions were taken to bale out the rain water. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl.No.	Ward	Streets where inundation seen	Capacityof pumps	Location ofpumps	Disposal point
1	64	Vivekandhan Nagar	Pumped outWater With5HP,7HP	Zone-3 (Teachers colony)	SWD Connectivity
2	65	Kanagi Nagar	Pumped out Water With 5HP	Lakshmi Nagar 8th Street	SWD Connectivity
3	67 & 70	Paper mills Road	Pumped out Water With 2- 5HP	UPHC Hospital & Jn of EB Office	-
4	67	Pallavan Salai	Natural Flow	-	SWD Connectivity
5	69	Sivagami Street	Pumped out Water With 5HP	Chengalvarayan Street	Jaganathan Street
7	71	Ganesapuram Subway	Due to increasing levelin otteri nallah natural flow	Ganesapuram Subway	Otteri Nallah
8	72	Kannigapuram Joseph street, Kannigapuram 1st to 7th Street, Doss Nagar 1st to 8th Street	Pumped out Water With 1-10HP	Doss Nagar	Otteri Nallah
9	73	Decaster Road	Pumped outWater With 2-5HP	Narayanan Street	Otteri Nallah
10	73	Stephenson Road	Pumped outWater With 2-10 HP	Jn Stephenson Road	Otteri Nallah
11	76	Angalamman Koil Street	Pumped out Water With 5- 10 HP	Near Angalamman Koil jn	Otteri Nallah
	76, 77, 78	Perambur Brackkas Road, KM Garden. Thattangulam, Rajathottam, Astabujam Street, Rangaiah Street, V.V.Koil Street. Tana Street	Pumped out Water With – 3-10 HP	V.V.Koil Street.Tana Street	Otteri Nallah

Anna University has mapped the areas inundated in Thiru. Vi. ka. Nagar during 2005 flood by crowd sourc method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

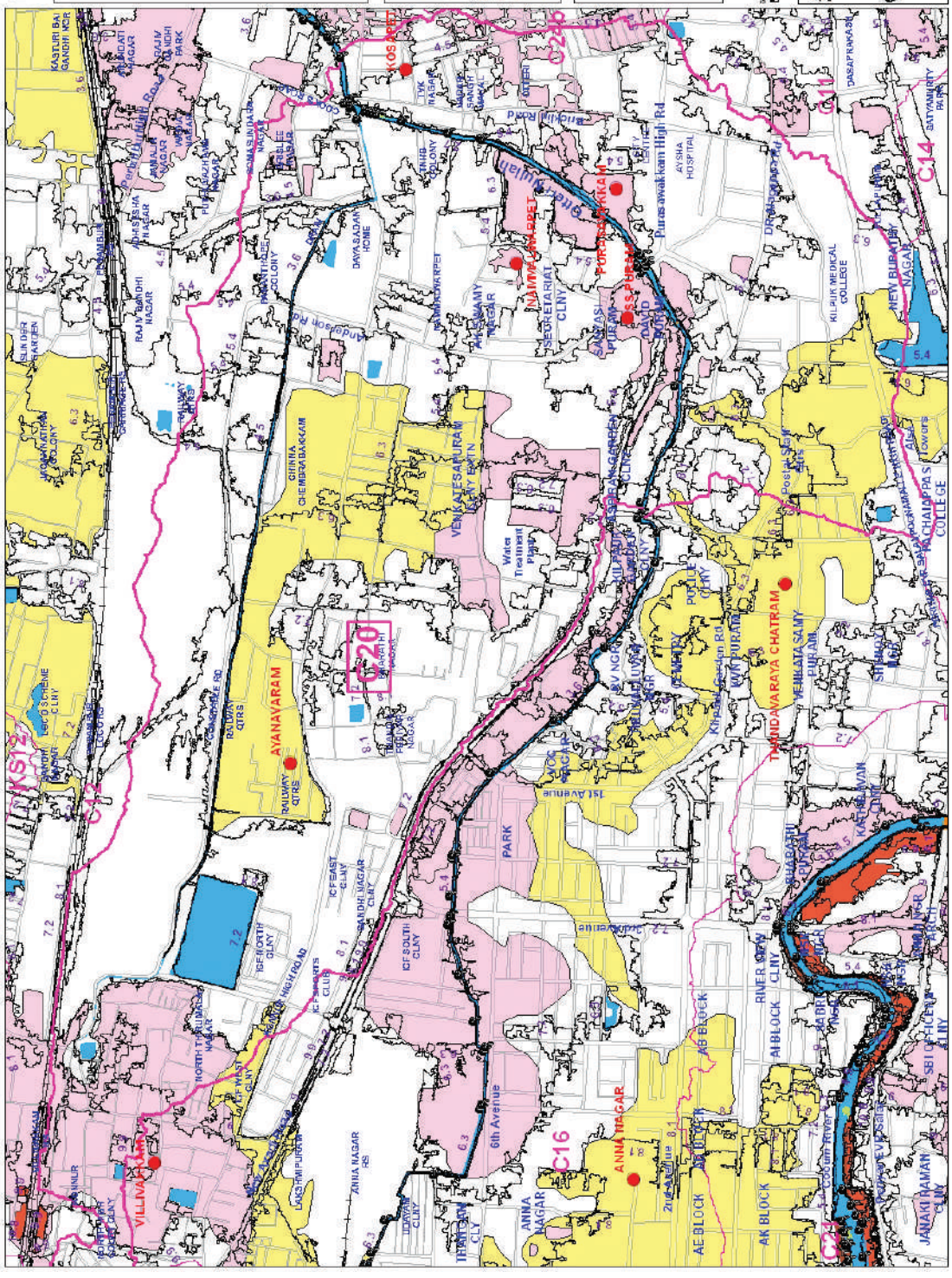
Water stagnated streets in the previous monsoon - Mild rain fall

S.No.	ward	Name of the Street
1	65	sivasakthi nagar
2	65	mgr nagar
3	64	Thillai nagar 2nd street
4	64	Thillai nagar 4th street
5	64	Selvi nagar
6	69	Gopal reddy colony
7	67	paper mills road
8	67	pallavan salai
9	72	Decaster Road
10	72	VOC Nagar
11	72	Doss Nagar
12	73	Parthasarathy street
13	73	Natcharyammal street
14	73	Decastor Road
15	75	Medavakam tank road
16	76	Strahans road
17	77	Demellows road

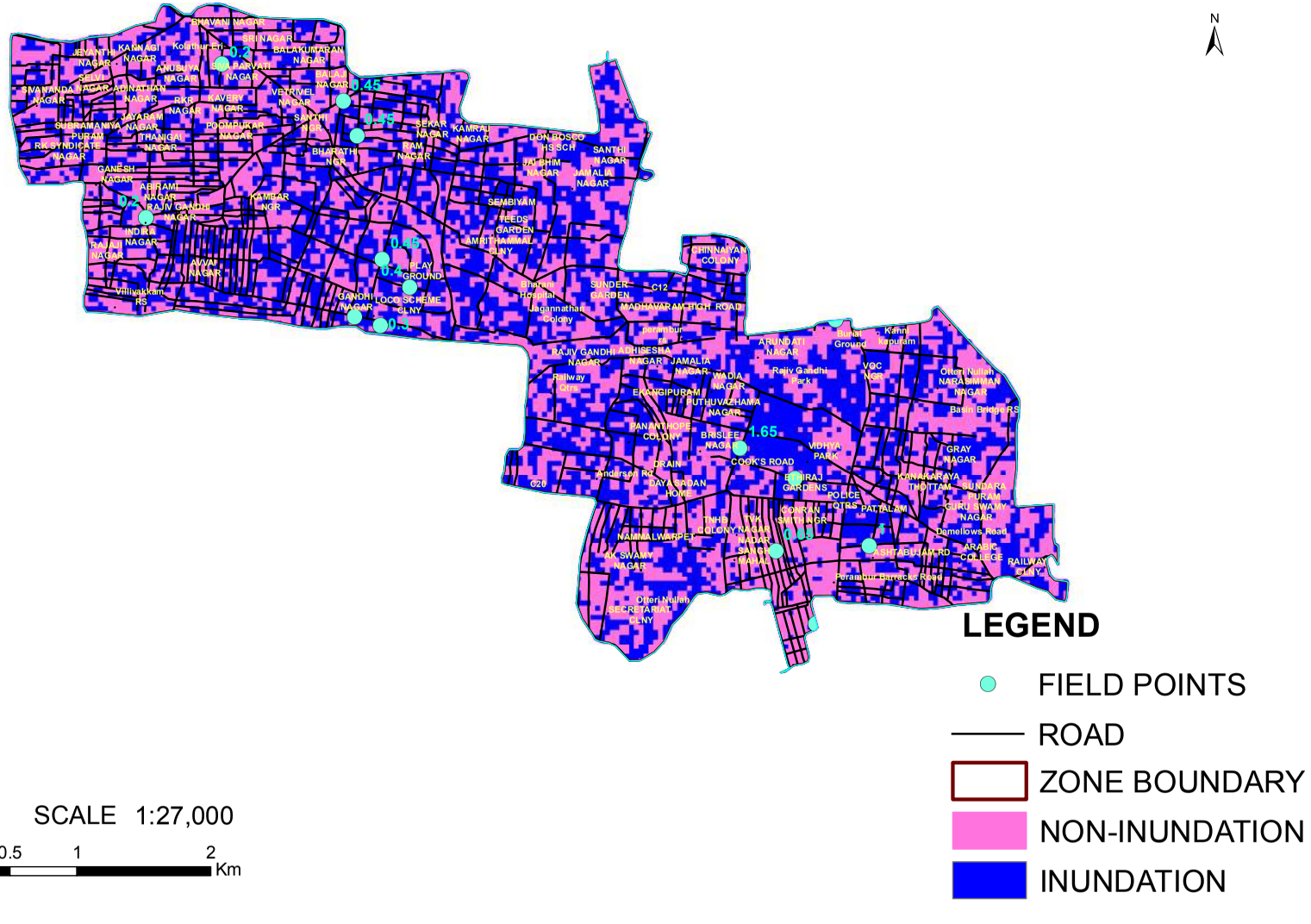
Water stagnated streets in the previous monsoon - Moderate rain fall

S.No.	Ward	Name of the Street
1	65	Srinagar colony
2	65	School road
3	65	Sivasakthi nagar
4	65	MGR nagar
5	64	Thillai nagar 2nd street
6	64	Thillai nagar 4th street
7	64	Selvi nagar
8	64	Adhiyaman street

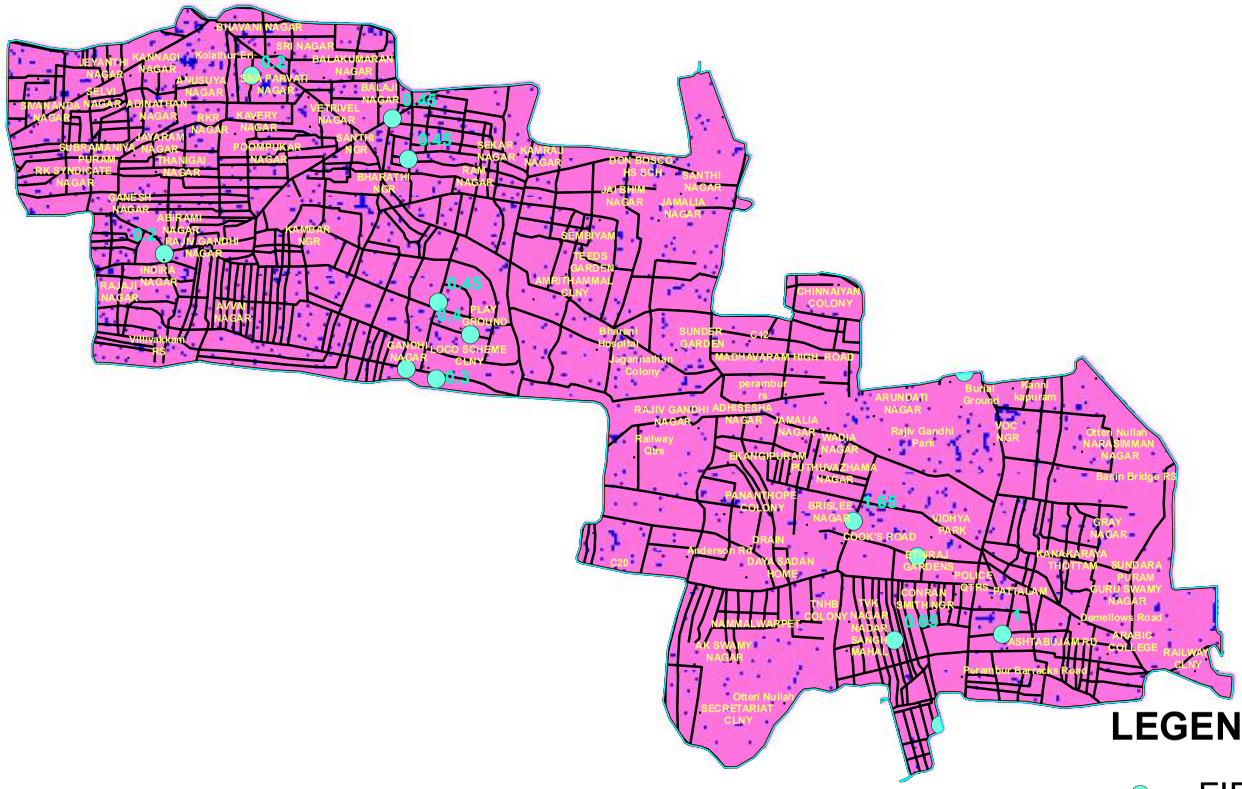
FLOOD INUNDATION MAP FOR THIRU. VI. KA. NAGAR IN 2005



INUNDATION EXTENT ON 3 DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE

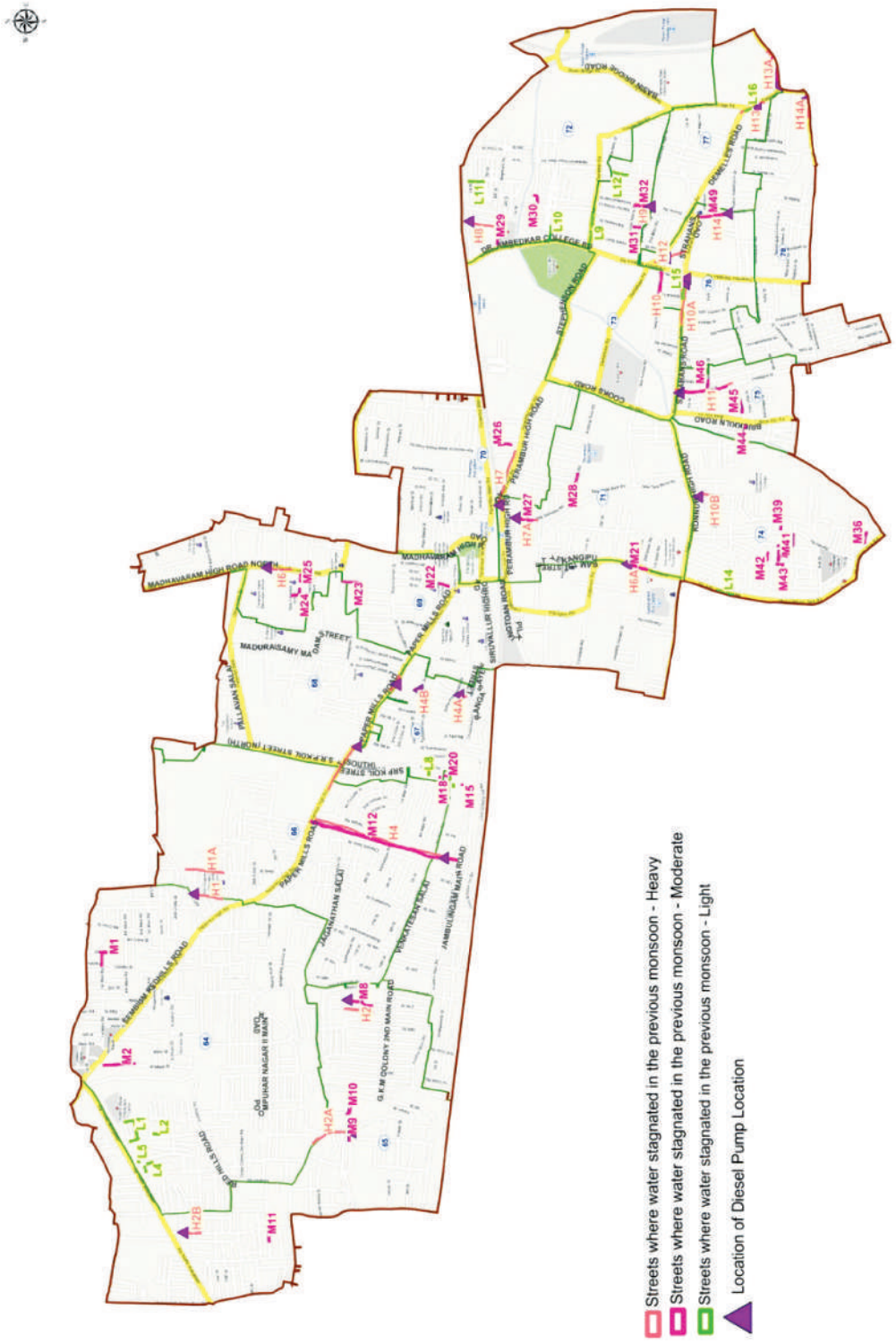


INUNDATION EXTENT ON 7TH DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE



ZONE VI

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



S.No.	Ward	Name of the Street
9	64	Rajiv gandhi street
10	64	V V Nagar 5th street
11	64	Srinivasan nagar 2nd street
12	68	70 feet road
13	69	Gopal reddy colony
14	69	SRP Koil street
15	69	Munsusamy street
16	67	Paper mills road
17	67	Pallavan salai
18	67	Madurai samy madam
19	67	Watkin street
20	67	Mohammaedean street
21	70	Anderson road
22	70	Bandergarden main street
23	70	Thirunavakarasu street
24	70	Jawahar road
25	70	Shanthi nagar main road
26	71	Arunthathi nagar
27	74	Chandrayogi samathi st
28	74	Krishnadass st
29	72	Brightons Road
30	72	Thiru VI Ka Nagar
31	73	ramasamy street
32	73	Narayanasamy street
33	73	Newferrance road
34	73	Parthasarathy street
35	73	Natcharyammal street
36	74	Medavakam 2nd street
37	75	Secretrait colony 3rd street
38	75	Secretrait colony 4th street
39	75	Secretrait colony 5th street
40	75	Secretrait colony 6th street
41	75	Secretrait colony 7th street
42	75	Secretrait colony 9th street
43	75	Aksamy 9th street
44	75	SS Puram A Block 7th street
45	76	Valluvan street
46	76	Edward park street

S.No.	Ward	Name of the Street
47	76	Chellapa street
48	76	Strahans road
49	76	Angalamman koil street
50	76	Sachithananthan street
51	76	CS Garden
52	76	Barracks gate road
53	76	KM Garden 1st street
54	77	Demellows road
55	77	Elephant Gate Bridge road
56	78	VV koil street



Stagnation of water in streets due to sewer blocks:

Sl. No.	Ward	Name of the Streets	No. of Manholes
1	64	Sivananda Nagar 2nd Street , Makkaram Thottam Avvai Street, VOC Street	8
2	69	GKM Colony 21 ,23 & 24 th Street	4
3	70	S.S.V. Koil Ist Street, Chinna Kulanthai 2nd Street, Vajeravelu Street, Foxen Street,Venkateswara Nagar Ist Street, Constable Road,Vasantha garden Main Street Gnammbal Garden 2nd Street, Madurai Street	12
4	74	Bashyam Reddy Street	2
5	72	Decastor Road VOC Nagar 1st Street, VOC Nagar 8th Street, Brightons Road	11
6	73	Periyar Nagar Housing Board, Ammaiyammal Street, Near D.No.71, Kutty Thambiran Street , Narayanasamy Street , Ramasamy Street, Prakash Rao Colony	12
7	75	No.1, Ranganathapuram (Old Amma Unavagam), 46/170, Baracca Main Road , 42/172, Baracca Main Road , B-Block, SVM Nagar	8
8	76	S.S.Puram A-Block, 2nd Street, 14th & 15th Street, Chellappa Street (Near UPHC) & Door No. 68, S.S.Puram B-Block Main Street	4
9	77	Sachithanandam Street ,.Kandasamy Koil Street	2
10	78	Demellous Road, Pulianthop 3rd & 2nd St, Sivaraja Puram, Sundarapuram, K.P.Park, Bogipalayam	6

Relief Centres:

There are 14 relief centres to a total capacity of 7570 is readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres and the Measures to be taken before and during the rain is given below.

S. No	Ward Name	Capacity	Name &Address of re-lief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No.
1	64	500	School RoadCHS	MN Nagar, Sivasakthi Nagar, Mahathama Ganthi Nagar, MGR Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9500158330
								Evacuation	Assistant Engineer	9445190364
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190364
2	65	150	Srinivasan Nagar, Corporation School	Bharath Rajiv Gandhi Nagar, JayanthiNagar, Hussain Colony, Senthil Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9500158330
								Evacuation	Assistant Engineer	9445190365
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190365
3	66	150	KCGardenCMS	JawaharNagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	8056839526
								Evacuation	Assistant Engineer	9445190366
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190366
4	67	100	Pappammal St School	GKM Colony	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9444505124
								Evacuation	Assistant Engineer	9445190367
								Food & Drink-ingwater	Assistant Revenue Officer	9789033020
								Relief Materi-als	Assistant Engineer	9445190367

S. No	Ward Name	Capacity	Name &Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No.
5	68	120	Madurai Samy Madam Urdu School, Gopala puram School	Dr.Ambedkar Nagar, Jai Beem Nagar, Kamaraj Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9750782636
								Evacuation	Assistant Engineer	9445190368
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190368
6	69	300	Bunder Garden School, Community Centre Raja street	Kollanthottam, St Marys Road	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	8056839526
								Evacuation	Assistant Engineer	9445190369
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190369
7	70	800	School Road, Perambur, Chennai - 11	Mettupalayam , Arunthathi Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9791876633
								Evacuation	Assistant Engineer	9445190370
								Food & Drinkingwater	Assistant Revenue Officer	9789033020
								Relief Materials	Assistant Engineer	9445190370
8	71	300	Chandrayogi Samathi Community Hall, CPS, Mangalapuram, CMS, Ekangipuram	Egankipuram, KH Road, Sasthri Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9791876633
								Evacuation	Assistant Engineer	9445190371
								Food & Drinkingwater	Assistant Revenue Officer	9551077940
								Relief Materials	Assistant Engineer	9445190371

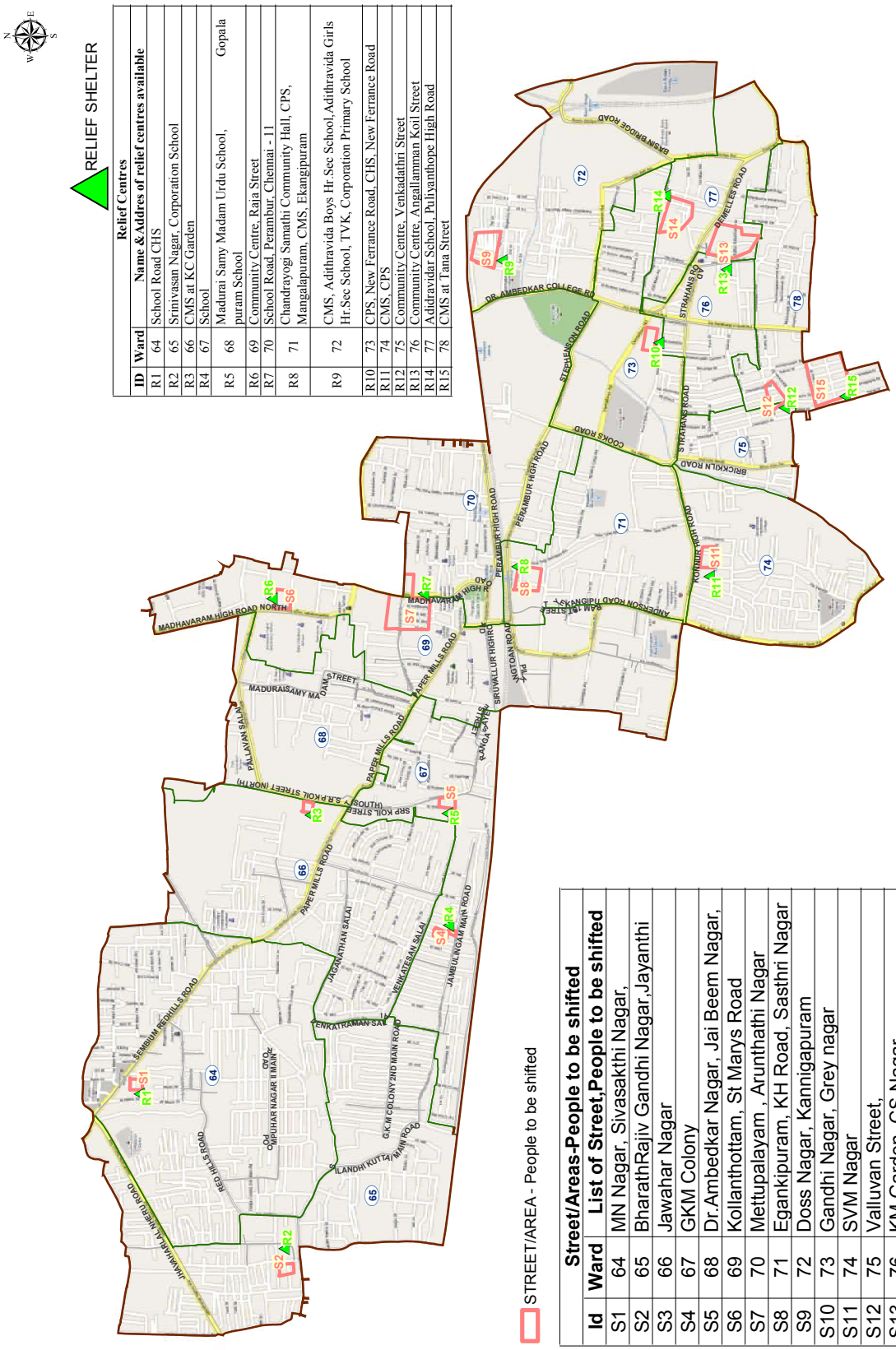
S. No	Ward Name	Capacity	Name &Address of re-lief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No.
9	72	600	CMS, Adithravida Boys Hr.Sec School, Adithravida Girls Hr.Sec School, TVK, Corporation Pri-mary School	Doss Nagar, Kannigapuram	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	8754553758
								Evacuation	Assistant Engineer	9445190372
								Food & Drink-ingwater	Assistant Revenue Officer	9551077940
								Relief Materi-als	Assistant Engineer	9445190372
10	73	150	CPS, New Ferrance Road, CHS, New Ferrance Road	Gandhi Nagar, Grey nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	8754553758
								Evacuation	Assistant Engineer	9445190373
								Food & Drink-ingwater	Assistant Revenue Officer	9551077940
								Relief Materi-als	Assistant Engineer	9445190373
11	74	1000	CMS, CPS	SVM Nagar	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9894665642
								Evacuation	Assistant Engineer	9445190374
								Food & Drink-ingwater	Assistant Revenue Officer	9551077940
								Relief Materi-als	Assistant Engineer	9445190374
12	75	1000	CommunityCen-tre, Venkadathri Street	ValluvanStreet,	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9894665642
								Evacuation	Assistant Engineer	9445190375
								Food & Drink-ingwater	Assistant Revenue Officer	9551077940
								Relief Materi-als	Assistant Engineer	9445190375

S. No	Ward Name	Capacity	Name &Address of re-lief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No.
13	76	400	Community Centre, Angallamman Koil Street	KM Garden,CS Nagar	No	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9894665642
								Evacuation	Assistant Engineer	9445190376
								Food & Drinkingwater	Assistant Revenue Officer	9551077940
								Relief Materials	Assistant Engineer	9445190376
14	77	1000	Adidravidar School, PuliyanthopeHigh Road	Kattur Nalla Muthu Street, Tattan Kullam	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9715080928
								Evacuation	Assistant Engineer	9445190377
								Food & Drinkingwater	Assistant Revenue Officer	9551077940
								Relief Materials	Assistant Engineer	9445190377
15	78	1000	CMS at Tana Street	Erran Street	Yes	Yes	Yes	Sanitation, Medicine	Sanitary Inspector	9715080928
								Evacuation	Assistant Engineer	9445190378
								Food & Drinkingwater	Assistant Revenue Officer	9551077940

Sl.No	Zone	Div.no	Name of the Relief Centres	Address	No of People can accommodate
1	6	64	CPS School	Srinivasa Nagar 3rd Main Road	60
2	6	65	CHSS School	School Road	200
3	6	65	CPS School	Thiruveedi Amman Koil Street	100

4	6	66	Nil	Nil	
5	6	67	Urudhu school	Madurai Samy madam street	50
6	6	67	CMS school	SRP koil Street north (Go-palapuram school)	50
7	6	68	CMS School	KC Garden 2nd Street	200
8	6	68	CPS School	GKM Colony 27th Street	600
9	6	69	CGHSS School	Market Street	500
10	6	69	CMS School	Rangasayee Street	150
11	6	69	CPS School	Somaiya Street	300
12	6	70	CHS School	Bunder Garden Main Street	500
13	6	70	CMS School	Kabilar Street	300
14	6	70	CMS School	Vasantha Garden Madurai Street	100
15	6	71	Telugu School CPS School	School Road	50
16	6	72	Community Hall	Community Hall VOC Nagar 1st Street	100
17	6	72	Adidravidar School	Kanigapuram Adidravidar School	50
18	6	73	CPS School	New Farremce Road	100
19	6	74	CMS School	Egangangipuram 1st Street	70
20	6	74	CPS School	Krishnadoss Main Road	70
21	6	75	CHS School	Chinna Babu Street	500
22	6	76	CMS School	Strahans Road	150
23	6	76	CMS School	Venkadammal Samathi Street	200
24	6	77	CPS School	Sundarapuram	30
25	6	77	Nallathambi Com-munity Hall	Bogipalayam	50
26	6	78	CMS School	Kuravan Kulam	20
27	6	78	CMS School	Tana Street	30

ZONE VI - EVACUATION & RELIEF SHELTERS



Relief Centres		
ID	Ward	Name &Addres of relief centres available
R1	64	School Road CHS
R2	65	Srinivasan Nagar, Corporation School
R3	66	CMS at KC Garden
R4	67	School
R5	68	Madurai Samy Madam Urdu School, Gopala puram School
R6	69	Community Centre, Raja Street
R7	70	School Road, Perambur, Chennai - 11
R8	71	Chandrayogi Samathi Community Hall, CPS, Mangalapuram, CMS, Ekangipuram
R9	72	CMS, Adithravida Boys Hr.Sec School,Adithravida Girls Hr.Sec School, TVK, Corporation Primary School
R10	73	CPS, New Ferrance Road, CHS, New Ferrance Road
R11	74	CMS, CPS
R12	75	Community Centre, Venkadathri Street
R13	76	Community Centre, Angallamman Koil Street
R14	77	Addravidar School, Puliyanthope High Road
R15	78	CMS at Tana Street

Street/Areas-People to be shifted		
Id	Ward	List of Street,People to be shifted
S1	64	MN Nagar, Sivasakthi Nagar,
S2	65	BharathRajiv Gandhi Nagar,Jayanthi
S3	66	Jawahar Nagar
S4	67	GKM Colony
S5	68	Dr.Ambedkar Nagar, Jai Beem Nagar,
S6	69	Kollanthottam, St Marys Road
S7	70	Mettupalayam , Aruntthathi Nagar
S8	71	Egankipuram, KH Road, Sasthri Nagar
S9	72	Doss Nagar, Kannigapuram
S10	73	Gandhi Nagar, Grey nagar
S11	74	SVM Nagar
S12	75	Valluvan Street,
S13	76	KM Garden, CS Nagar
S14	77	Gurusamy nagar
S15	78	Erran Street

Subways

There are 3 subways located at Ganesapuram and 2 at Perambur in Thiru – vi – ka -nagar zone. The submersible and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Ward No	Location	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	70	Ganesapuram Subway	40	Otteri Nullah	55 Hp –2 (Submersible Motor) 10 Hp – 1(Submersible Motor)
2	70	Perambur Subway	150	Ekangipuram	10 HP-1 (Submersible Motor) 25 HP-1 (Submersible Motor)
3	70	Perambur Pedes-trianSubway	146.3	Strom Water Drain	10 HP-1 (Submersible Motor)

Tree fall

During the last monsoon, in Thiru – Vi – Ka - Nagar zone totally 57 tree branches were fallen and cleared. The major tree fall in this zone was observed at Ward 66 with a total tree fall of 12 and least tree fall was observed at Ward 67,71,74,76 & 77 with 1 tree falls in each Wards. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	64	United Colony
2	69	GKM Colony 12th Street
3	68	Karthigeyan Salai
4	68	Jawahar Nagar
5	69	Loco Works Road
6	69	SRP Koil Street
7	70	Jawahar Road
8	70	Madhavaram High Road
9	71	School Road
10	74	Semathamman Colony
11	72	Basin Bridge Road
12	73	Stephenson Road, Cooks Road
13	75	Barracka Road
14	76	Chellappa Street, Patel Park
15	76	CS Park Street
16	77	Demellows Road

Streets - water entered houses that do not require evacuation:

During the last monsson, 18 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 18 locations were inundated for more than a day by which the normal day to day activity of 6310 people were stanstilled. Flood water from these areas were cleared by using 21 pumps rangining from 5 HP to 60 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl. No.	Ward	Name of the area/ streets
1	65	Sivaparvathi Nagar,MN Nagar, Dr.Ambedkar Nagar
2	64	Selvi Nagar 5th Street,Thirumalai Nagar 3rd St
3	68	Jawahar Nagar 1 to 24 Street
4	69	GKM Colony
5	67	Jamaliya Housing Board
6	70	Gowthamapuram Slum
7	71	Arunthathi Nagar
8	74	Ekangipuram
9	72	Decaster Road, Doss Nagar
10	73	Ammaiyammall Street
11	73	Natcharammall Street
12	75	Subburayan Street
13	75	Choolaimedu Street
14	75	SS Puram A & B Block
15	76	Angallamman Koil Street
16	77	Kattur Nalla Muthu Street
17	77	Puliyanthope 1st Street
18	78	Astabujam Street

Streets that require evacuation

During the heavy flood that occurred in 2015, in Thiru – Vi – Ka - Nagar zone there were 12000 people were evacuated from Jawahar nagar, GKM Colony, Mettupalayam, V.O.C.Nagar, SS Puram and Thattankulam and they are accomated in Chennai Middle School, Night shelter and Community Hall. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and measures to be taken during evacuation are given below.

Sl. No.	Ward	Streets	No. of persons	Relief centre
1	64	Dr.Ambedkar Nagar, MN Nagar	1200	Chennai High School, Kolathur
2	66	Jawahar Nagar	900	Chennai Middle School, KC Garden
3	67	GKM Colony	500	Chennai Primary School, GKM Colony 12th Street
4	70	Mettupalayam	2000	Chennai Girls High Secondary School, 20, School Road
5	74	Rajiv Gandhi Nagar	200	Egangipuram Chennai Middle School
6	73	Decaster Road	1500	Chennai Middle School
7	72	Venkatesapuram 1 to 9th Street	800	Adithravida Boys Hr.Sec School
8	72	VOC nagar	750	Adithravida Girls Hr.Sec School
9	72	Doss Nagar Pallam	500	TVK, Corporation Primary School
10	73	New Ferracnce Road, Ammaiyammall Street	450	Chennai Primary School, Chennai Higher Secondary School, New Ferrance Road
11	74	SVM Nagar, Subburayan Street	1500	Chinnababu Street, School
13	75	SS Puram A Block	200	Community Hall, Venkadathiri Street
14	77	Thattankulam	1500	Night Shelter, Old Slaughter House Road, Chennai - 11.

Lighting Facilities

The need for proper lighting is absolute during any crisis and would mean the difference between life and death. In normal crisis situation, power outage is common. Therefore establishing alternate sources of lighting is a pre-requiste. There are 13 battery powered lights are available in the zone and the details are given below

Sl.No	Ward	Contact Person	
		Designation	Phone Number
1	64 to 78	Assistant Executive Engineer (Electrical)	9445190046

National Disaster Response Force/ State Disaster Response Force

In Thiru – Vi – Ka -Nagar zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

Sl.No.	Ward No.	Where NDRF to be stationed and deployed
1	71	Community Centre at Chandrayogi Samathi Street
2	69	Community Centre at Raja Street

NDRF

Location & 24 Hours contact no.

The Commandant

04, Battalion(NDRF)

Suraksha Campus

Takkolam, Arakkonam

Vellore District – 631 152

Phone No. 04177 – 246594/246269

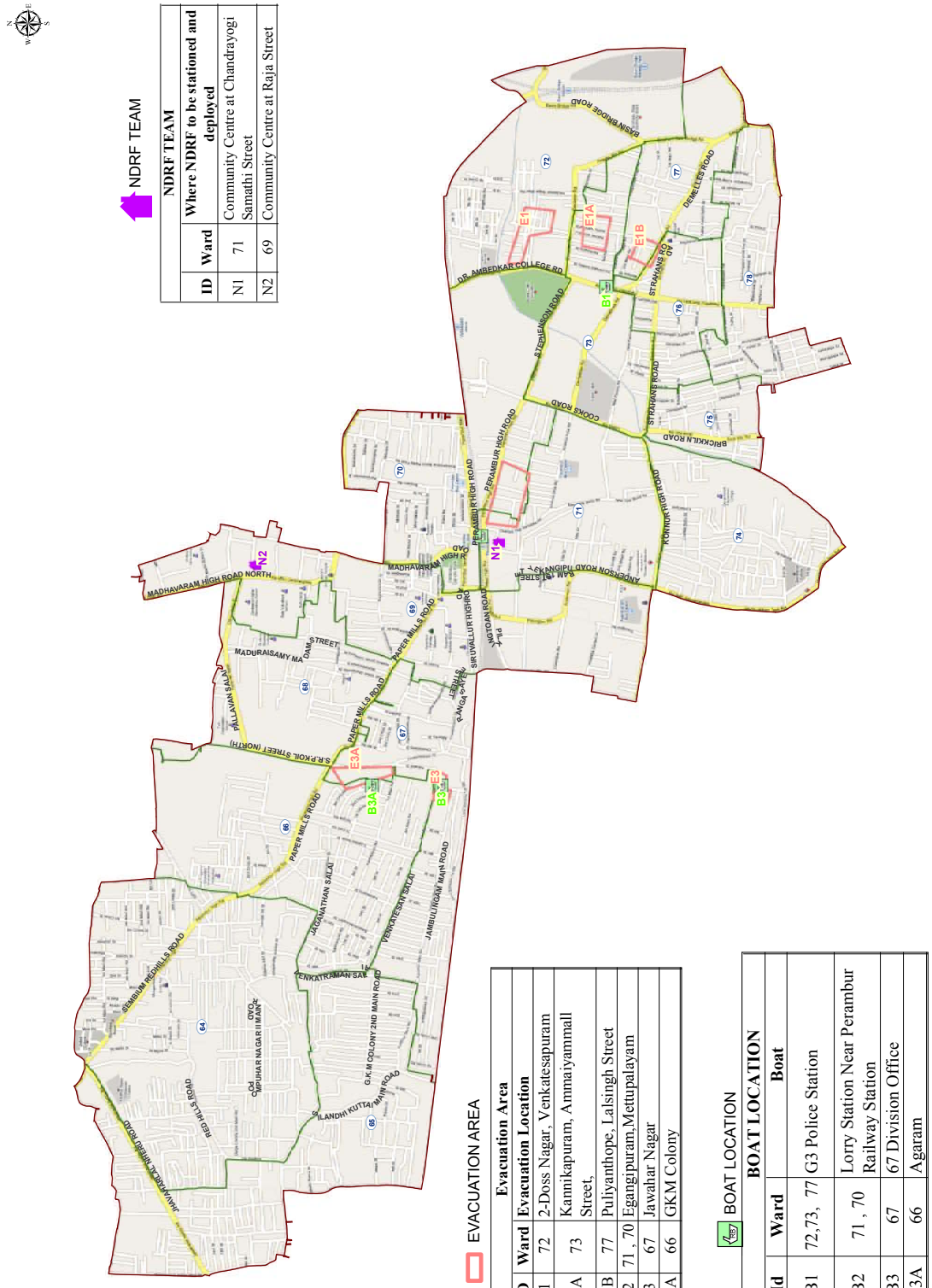
Rescue Boats

Rescue operations during flood require the services of boats in the form of Kattamaram/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in recue operations. When the situation arises to evacuate the people from the affeced area the respective Assistant Engineers are responsible to locate the boat at needy places, guide the boat man to navigate around marooned areas and arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

Sl.No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact Person & Number
1	72,73, 77	2-Doss Nagar, Venkatesapuram Kannikapuram, Ammaiyammall Street, Puliyanthope, Lalsingh Street	G3 Police Station	Notchikuppam Ravi 9087539140
2	71 , 70	Egangipuram, Mettupalayam	Lorry Station Near Perambur Railway Station	
3	67 , 66	Jawahar Nagar, GKM Colony	67 Division Office, Agaram	



ZONE VI - EVACUATION AREA, NDRF TEAMS & BOAT LOCATIONS



NDRF TEAM		
ID	Ward	Where NDRF to be stationed and deployed
N1	71	Community Centre at Chandrayogi Samathi Street
N2	69	Community Centre at Raja Street

Evacuation Area		
ID	Ward	Evacuation Location
E1	72	2-Doss Nagar, Venkatesapuram
E1A	73	Kannikapuram, Ammaiyammall Street,
E1B	77	Puliyanthope, Lalsingh Street
E2	71 , 70	Egangipuram,Mettupalayam
E3	67	Jawahar Nagar
E3A	66	GKM Colony

BOAT LOCATION		
Id	Ward	Boat
B1	72,73, 77	G3 Police Station
B2	71 , 70	Lorry Station Near Perambur Railway Station
B3	67	67 Division Office
B3A	66	Agaram

Transport Equipment & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 1 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries availability and the precautiionay measures which needs to be taken before rain are given below

No. of lorries and type kept in readiness
Debris lorry - 6 Nos
Skid steer loaders (Bob cat) - 1 No
(Front end loader) JCB - 2 Nos

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9788075068	2	3	6-LMV	2

Streets/lanes less than 2.5 m that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1	75	Sastri Nagar
2	73	Gandhi Nagar
3	73	Krishnapillai Street

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows

Ward committee - 64
Ward Councillor - 9445467064

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190364
GCC - Electrical	Assistant Engineer	9445190929
GCC- Health	Sanitary Inspector	9500158330
GCC - Veterinary	VAS	7305106665
GCC-Solid waste Management	Conservancy Inspector	9445190564
GCC - Revenue	Tax Collector	98842 58718
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930064
TANGEDCO	Junior Engineer	9445850857 /9445850862
BSNL	Assistant Engineer	9444954087
Fire service	Inspector	044-26174718, 445086070
Police station	Inspector	044-23452750, 9498127225 044-23452758, 9840708060
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 65
Ward Councillor -9445467065

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190365
GCC - Electrical	Assistant Engineer	9445190929
GCC- Health	Sanitary Inspector	9500158330
GCC - Veterinary	Veterinary Assistant Surgeon	7305106665
GCC -Solid waste management	Conservancy Inspector	9445190565
GCC - Revenue	Tax Collector	91760 84284
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930065
TANGEDCO	Junior Engineer	9445850857 / 9445850858 / 9445850864
BSNL	Assistant Engineer	9445989865
Fire service	Inspector	04426174718, 9445086070
Police station	Inspector	044-23452750, 9498127225
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853
Highways	Assistant Engineer	9742435301

Ward committee – 66
Ward Councillor - 9445467066

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190366
GCC - Electrical	Assistant Engineer	9445190929 / 9445190930
GCC- Health	Sanitary Inspector	8056839526
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190566
GCC - Revenue	Tax Collector	9841925006
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930066
TANGEDCO	Junior Engineer	9445850862 / 9445850856 / 9445978504
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	-
Police station	Inspector	9443117819/ 044-25500656/044-23452758
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 67,

Ward Councillor -9445467067

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190367
GCC - Electrical	Assistant Engineer	9445190930
GCC- Health	Sanitary Inspector	9444505124
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190567
GCC - Revenue	Tax Collector	9840479070
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930067
TANGEDCO	Junior Engineer	9445850856
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	044-25370101
Police station	Inspector	7904902643
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 68

Ward Councillor -9445467068

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190368
GCC - Electrical	Assistant Engineer	9445910965
GCC- Health	Sanitary Inspector	9750782636
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190568
GCC - Revenue	Tax Collector	9841925006
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930068
TANGEDCO	Junior Engineer	9445850855 / 9445978504
BSNL	Assistant Engineer	9445010980
Fire service	Inspector	044-25370101
Police station	Inspector	9498100089
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 69

Ward Councillor -9445467069

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190369
GCC - Electrical	Assistant Engineer	9445190930
GCC- Health	Sanitary Inspector	8056839526
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190569
GCC - Revenue	Tax Collector	7358190120
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930069
TANGEDCO	Junior Engineer	9445850854 / 9445850855
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-25370101
Police station	Inspector	044-23452712
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 70,
Ward Councillor -9445467070

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190370
GCC - Electrical	Assistant Engineer	9445910965
GCC- Health	Sanitary Inspector	9791876633
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190570
GCC - Revenue	Tax Collector	7358190120
Revenue	Revenue Inspector	9994123812
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930070
TANGEDCO	Junior Engineer	9445850854
BSNL	Assistant Engineer	9444000143
Fire service	Inspector	044-28554309
Police station	Inspector	044-23452710
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 71,

Ward Councillor - 9445467071

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190371
GCC - Electrical	Assistant Engineer	9445910965
GCC- Health	Sanitary Inspector	9791876633
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190571
GCC - Revenue	Tax Collector	9380879269
Revenue	Revenue Inspector	8682024332 / 9381263254
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930071
TANGEDCO	Junior Engineer	9840916416 / 9444918493
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	8122274040
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 72,

Ward Councillor - 9445467072

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190372
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	8754553758
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190572
GCC - Revenue	Tax Collector	9342167535
Revenue	Revenue Inspector	8124021111 / 9381263254
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930072
TANGEDCO	Junior Engineer	9445850734 / 9445850736
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	9489870164
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 73

Ward Councillor - 9445467073

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190373
GCC - Electrical	Assistant Engineer	9445910965 / 9445190925
GCC- Health	Sanitary Inspector	8754553758
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190573
GCC - Revenue	Tax Collector	9380879269
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9381262254
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930073
TANGEDCO	Junior Engineer	9445850736 / 9445850734 / 9445850735
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	8838224382
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 74

Ward Councillor - 9445467074

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190374
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	9894665642
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190574
GCC - Revenue	Tax Collector	9087282453
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9566294355
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930074
TANGEDCO	Junior Engineer	9445850734
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853
Highways	Assistant Engineer	9742435301

Ward committee – 75

Ward Councillor - 9445467075

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190375
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	9894665642
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190575
GCC - Revenue	Tax Collector	9381203115
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9566294355
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930075
TANGEDCO	Junior Engineer	9445850725
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	9444957565
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 76

Ward Councillor - 9445467076

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190376
GCC - Electrical	Assistant Engineer	9445190927
GCC- Health	Sanitary Inspector	9894665642
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190576
GCC - Revenue	Tax Collector	9841825880
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9444613503
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930076
TANGEDCO	Junior Engineer	9445850738 / 9445850734 / 9445850725
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	-
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

Ward committee – 77

Ward Councillor - 9445467077

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190377
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	9715080928
GCC - Veterinary	VAS	7305106665
GCC -Solid waste management	Conservancy Inspector	9445190577
GCC - Revenue	Tax Collector	9094448951
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9094835752
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930077
TANGEDCO	Junior Engineer	9445850738/9445850734
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	9444472242
PWD	Assistant Engineer	9498129000
TNUHDB	Assistant Engineer	7598343853

Ward committee – 78

Ward Councillor -9445467078

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190378
GCC - Electrical	Assistant Engineer	9445190925
GCC- Health	Sanitary Inspector	9715080928
GCC - Veterinary	VAS	7305106665
GCC - Solid waste management	Conservancy Inspector	9445190578
GCC - Revenue	Tax Collector	9841825880
Revenue	Revenue Inspector	9629978482 / 8838234547 / 9444613503
GCC - Park overseer	Park Supervisor	9444249657
CMWSSB	Assistant Engineer	8144930075
TANGEDCO	Junior Engineer	9445850734 / 9445850725
BSNL	Assistant Engineer	9445010501
Fire service	Inspector	044-28554309
Police station	Inspector	044-23452690
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7598343853

ZONE - VII

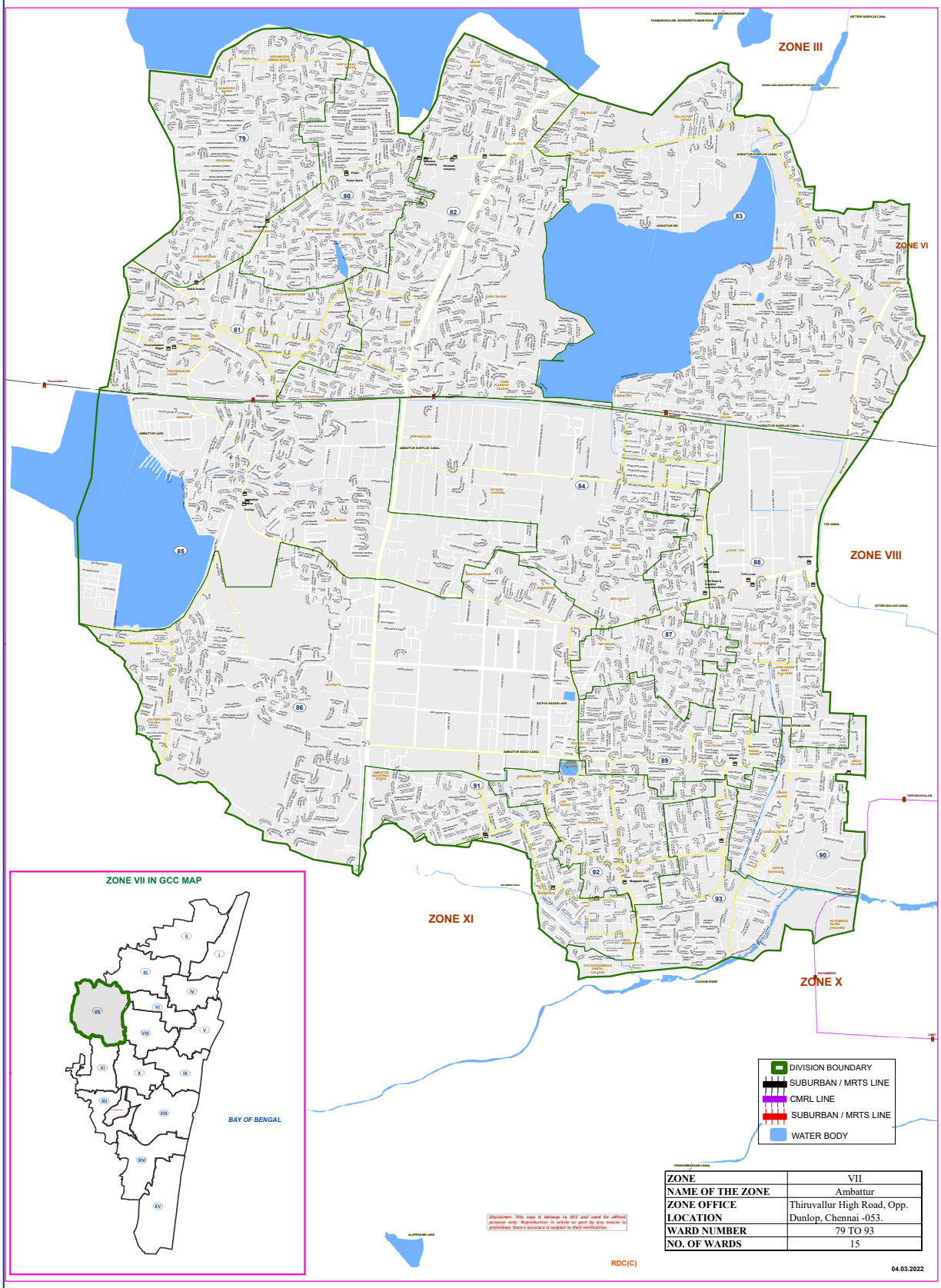
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AMBATTUR

ZONE VII - WARD BOUNDARY

GREATER CHENNAI CORPORATION
ZONE - VII
TN GOVT. GAZATTE NO.408 DATED:14.12.2018



ZONE	VII
NAME OF THE ZONE	Ambattur
ZONE OFFICE LOCATION	Thiruvallur High Road, Opp. Dunlop, Chennai -053.
WARD NUMBER	79 TO 93
NO. OF WARDS	15

Profile

The Ambattur zone lies in **Latitude 1304'36"N, Longitude 8005'18"E** °and covering an area of **43.52 Sq.km.**

There are 3584 roads, out of which 3598 roads to a length of 509.19 Km are Interior Roads, 35 Roads to a length of 27.25 Km are Bus Route Roads which are maintained by GCC and the remaining 9 roads are under the maintenance of Highways department.

The population is about 7.26 Lakhs that has Male population of 50.33% and Female population of 49.67 % In this zone, the densest area is ward 91 with a population of 94,080 and the least is ward 89 with a population of 23,936. The Ward wise population is given below.

Sl.No.	Ward No.	Total House Holds	Total Population
1	79	12330	40920
2	80	9501	34168
3	81	14911	42568
4	82	19407	65636
5	83	15459	70608
6	84	8910	35640
7	85	9574	38296
8	86	10500	35360
9	87	10080	40328
10	88	10214	41136
11	89	7822	23936
12	90	11340	45016
13	91	11959	94080
14	92	11251	70856
15	93	9443	47376
TOTAL		**172701**	**725924**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	79 to 93	9445190007

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-18,U-19 & U-20	9445194759
2	Executive Engineer-2	U-18,U-19	9445190027
3	Assistant Executive Engineer	U -18 (79,80,81,)	9445036501
4	Assistant Executive Engineer-Additional	U -18 (82, 83)	9445190118
5	Assistant Executive Engineer	U-19 (84,85,86,87,88)	9445190119
6	Assistant Executive Engineer	U-20 (89,90,91,92,93)	9445190120
7	Assistant Executive Engineer, Electrical	79 to 93	9445190047
8	Engineer, Mechanical	79 to 93	9445071023

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward. No.	Office Mobile Number
1.	Conservancy supervisor	Unit-18 (79,80,81,82,83)	9445191418
2.	Conservancy supervisor	Unit-19 (84,85,86,87,88)	9445191419
3.	Conservancy supervisor	Unit-20 (89,90,91,92,93)	9445191420

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone VII	9445190067
2	Veterinary Surgeon	Zone VII	9841117821
3	Entomologist Assistant	Zone VII	9941226410
4	Sanitary Officer	Unit-18	9445190687
5	Sanitary Officer	Unit-19	9445025885
6	Sanitary Officer	Unit-20	9445025892

Parks

There are 81 Parks available in Lenin Nagar Park, Ram Nagar Park, Gandhi Main Road Park, Lakshmiamman Nagar Park Thangal Eri Park, Thiruvenkadam Nagar Park, Krishnapuram Park, Secretriate Colony Park Tata Communication Park, Dugar Park, Narayana Nagar, Hindustan Colony Park, Ranga Garden Park, Sastha Nagar Park, Thamarai Kulam, Kandigai Street Park, Subulakshmi Nagar Park, Tnhb 61St St Park, Kr Nagar Park, Gangaiamman Koil Street park, Rail Vihar Quarters Park - I , Rail Vihar Quarters Park - I I, Gopal Swamy Nagar Park, Gothavari Park (Agni Estate), Cth Road Opp To Kochar Park, Icici Bank Park , India Land Park, Sindhu Nathi Park, Chelliamman Nagar Park, Vgn Shanthi Nagar Park, Chelliamman Koil Pond Park, Vgn Cosmo Polis Park, VGN Har;pton Park, VGN Brent Park, Thamirabarani Street jn of new centuri hospital road, Thamirabarani Street jn of Kaveri Street Park, TNHB Park Vanagaram Main Road, Tnhb 4Th St Park, Ap Flats Childrens Park, B-Sector Park, C-Sector Park, Millienium Park, Cth Road Park, Officers Colony Park, Golden Colony, Tvs Avenue Main Road Park, Akshaya Colony, Tvs Colony Park, Collector Nagar Park, Golden Jubleee Park, Welcome Colony Block 49-A & Park Road, Tnhb Flats Park, Thirumangalam, Ongc Park, Tnhb Park,Padikuppam Road, Asiad Colony, Emarelds Park, Santham Colony , Mogappair West Bus Stand, Mogappair Eri Scheme 8Th St Park, Jaswanth Nagar Phase-I Park, Jaswanth Nagar Phase-Ii Park, Tri Star Park, Aibea Nagar Park, Mogappair Eri Scheme 1St Main Road, MOGAPPAIR ERI SCHEME 6TH MAIN ROAD, Mogappair Eri Scheme 15th cross street park , 6TH BLOCK 8TH STREET, Venugopal Street Park, Veeramamunivar Park,

Church Road Park ,Varun Apartment Park, Anna Park (Mangal Eri Park), Eb Road Park, Veeramamunivar Park, Yogakalpattra Park, Padikuppam Burialground Park, THAMARAI KULAM PARK, VANAN KULAM POND PARK, MENAMBEDU THANGAL POND PARK, NETHAJI NAGAR POND PARK, SIVALINGA PURAM POND PARK, PERUMAL KOIL POND PARK, Kochar Park, Kandigai Park, Bharathi Nagar Park. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194573 Park Overseer	Power saw – 17 Telescopic saw - 12	Ambattur

List of Parks

Sl .No	Ward No	Name / Location Of Parks
1	79	Lenin Nagar Park
2	79	Ram Nagar Park
3	79	Gandhi Main Road Park
4	79	Lakshmiamman Nagar Park
5	80	Thangal Eri Park
6	81	Thiruvenkadam Nagar Park
7	81	Krishnapuram Park
8	81	Secretriate Colony Park
9	82	Tata Communication Park
10	82	Dugar Park
11	82	Narayana Nagar
12	83	Hindustan Colony Park
13	83	Ranga Garden Park
14	83	Sastha Nagar Park
15	83	Thamarai Kulam, Kandigai Street Park
16	83	Subulakshmi Nagar Park
17	84	Tnhb 61St St Park
18	84	Kr Nagar Park
19	84	Gangaiamman Koil Street park
20	85	Rail Vihar Quarters Park - I
21	85	Rail Vihar Quarters Park - I I
22	86	Gopal Swamy Nagar Park
23	86	Gothavari Park (Agni Estate)
24	86	Cth Road Opp To Kochar Park
25	86	Icici Bank Park
26	86	India Land Park

27	86	Sindhu Nathi Park
28	86	Chelliamman Nagar Park
29	86	Vgn Shanthi Nagar Park
30	86	Chelliamman Koil Pond Park
31	86	Vgn Cosmo Polis Park
32	86	VGN Har;pton Park
33	86	VGN Brent Park
34	86	Thamirabarani Street jn of new centuri hospital road
35	86	Thamirabarani Street jn of Kaveri Street Park
36	86	TNHB Park Vanagaram Main Road
37	87	Tnhb 4Th St Park
38	88	Ap Flats Childrens Park
39	88	B-Sector Park
40	88	C-Sector Park
41	88	Millienium Park
42	88	Cth Road Park
43	89	Officers Colony Park
44	89	Golden Colony
45	89	Tvs Avenue Main Road Park
46	89	Akshaya Colony
47	89	Tvs Colony Park
48	89	Collector Nagar Park
49	90	Golden Jubleee Park
50	90	Welcome Colony Block 49-A & Park Road
51	90	Tnhb Flats Park, Thirumangalam
52	90	Ongc Park
53	90	Tnhb Park,Padikuppam Road
54	90	Asiad Colony
55	90	Emarelds Park
56	90	Santham Colony
57	91	Mogappair West Bus Stand
58	91	Mogappair Eri Scheme 8Th St Park
59	91	Jaswanth Nagar Phase-I Park
60	91	Jaswanth Nagar Phase-Ii Park
61	91	Tri Star Park
62	91	Aibea Nagar Park
63	91	Mogappair Eri Scheme 1St Main Road
64	91	MOGAPPAIR ERI SCHEME 6TH MAIN ROAD
65	91	Mogappair Eri Scheme 15th cross street park
66	91	6TH BLOCK 8TH STREET
67	92	Venugopal Street Park
68	92	Veeramamunivar Park

69	92	Church Road Park
70	92	Varun Apartment Park
71	92	Anna Park (Mangal Eri Park)
72	92	Eb Road Park
73	93	Veeramamunivar Park
74	93	Yogakalpattra Park
75	93	Padikuppam Burialground Park
76	79	THAMARAI KULAM PARK
77	82	VANAN KULAM POND PARK
78	82	MENAMBEDU THANGAL POND PARK
79	83	NETHAJI NAGAR POND PARK
80	83	SIVALINGA PURAM POND PARK
81	83	PERUMAL KOIL POND PARK
82	85	Kochar Park (GCC Maintained)
83	83	Kandigai Park (Adoption Park)
84	80	Bharathi Nagar Park (GCC Maintained)

TREE CUTTING MACHINERIES AVAILABLE IN ZONE - 7

S. No.	Div	No. of Saw Available		No. of Pruners Available
		Petrol	Electrical	
1	79	1	_	1
2	80	-	_	-
3	81	2	_	_
4	82	1	_	_
5	83	1	_	1
6	84	1	_	1
7	85	1	_	1
8	86	2	_	1
9	87	1	_	1
10	88	1	_	1
11	89	1	_	-
12	90	1	_	-
13	91	1	_	1
14	92	1	_	1
15	93	1	_	1
Total		**16**	**0**	**10**

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 23 pumping stations available in Ambattur Zone with average capacity of 6MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Anna Nagar West Extension I Sewage Pumping Station	4.00	3
2	Anna Nagar West Extension II Sewage Pumping Station	5.50	4
3	Mogappair Sewage Pumping Station	13.50	2
4	Korattur Sewage Pumping Station(Old)	5.00	1
5	Korattur Sewage Pumping Station(New)	0.10	2
6	Five Star SewagePumping Station	0.33	1
7	Golden Jubilee SewagePumping Station	0.30	1
8	Elango Nagar SewagePumping Station	0.18	2
9	Karukku Sewage Pumping Station	0.90	2
10	Karpankulam Sewage Pumping Station	0.30	2
11	Ayyankulam Sewage Pumping Station	0.30	2
12	Nehru Nagar Sewage Pumping Station	0.05	2
13	Teachers Colony Sewage Pumping Station	0.03	1
14	Kulakarai Lift Station	0.03	1
15	SIDCO Nagar Lift Station	0.15	2
16	Sangam Street Lift Station	0.05	1
17	Lenin Nagar Lift Station	0.18	1
18	Thirumalai Priya Nagar (V.O.C. Street) Lift Station	0.09	1
19	Pillayar Koil Street Lift Station	0.05	1
20	Thendral Nagar Lift Station	0.10	1
21	Pallam Street Sewage Pumping Station	1.18	2
22	Vivekananda Nagar Pumping Station	1.10	2
23	S.R.B. Nagar Sewage Pumping Station	0.10	2

Tamilnadu Urban Habitat Development Board

There is 2 TNUHDB tenements in Kamarajar Nagar and ICF Colony with a population of 636 and 5712. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are as given below,

Sl. No.	Ward No	Tenement location	No. of tenement	Population
1	85	Kamarajar Nagar	159	636
2	86	ICF Colony	1428	5712
3	86	Ayanambakkam main Road, Athipet		650

Contact details

Department	Designation	Area	Contact No.
TNUHDB	Executive Engineer	Area - 7	044- 28444973
Conservancy/GCC	Conservancy Supervisor	Unit-18 (79 to 83)	9445191418
Conservancy/GCC	Conservancy Supervisor	Unit-19 (84 to 88)	9445191419
Conservancy/GCC	Conservancy Supervisor	Unit-20 (89 to 93)	9445191420
Water Supply& Sewage / CMWSSB	Area Engineer	Area - 7	8144930907

Water Bodies and Waterways

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 212.246 km to ease the flow of rain water. The details of various water bodies in this zone are listed below,

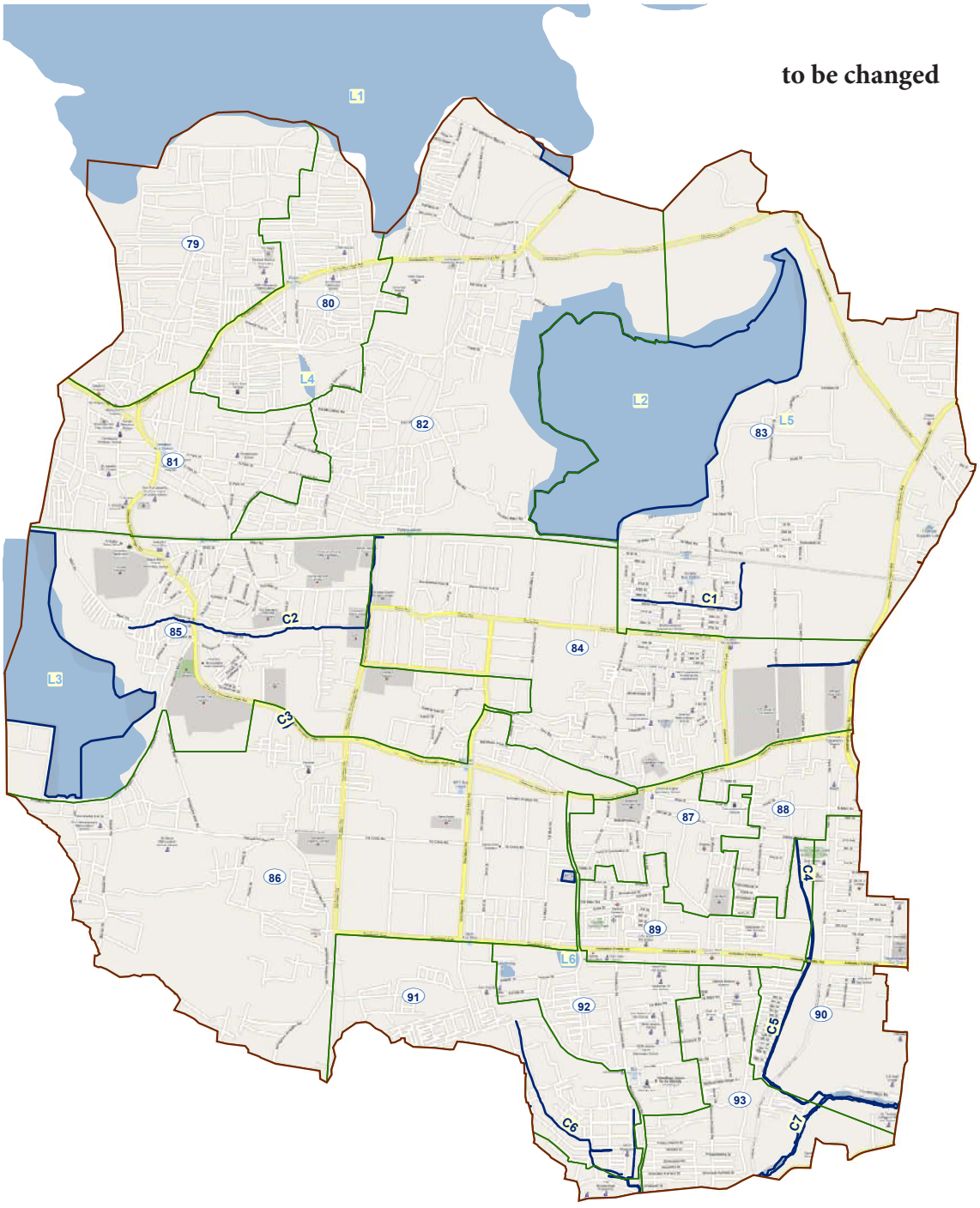
Canals

Sl. No	Div	Name Of The Canal	From	To	Length In Km	Main-tained By
1	VII / 84	North Avenue Canal	TNHB 38th Street, Korattur, Division 83.	TVS Canal, Jawaharlal Nehru Salai, Division 83.	2.9 Km	PWD
2	VII / 86	Ambattur Sidco Canal	South Avenue Road, Division 86	Nolambur Canal, Division 98.	1.32 Km	PWD
3	VII / 93	Padi kuppam Canal	Kalaivanar Nagar, Division 88.	Cooum River, Division 93.	2.12 Km	GCC
4	VII&XI	Nolambur Canal	Mugappair 3rd Main Road, Nolambur, Division 143	Cooum River, Division 93.	2.48 Km	GCC
Total					**8.82 km**	

Other water bodies

Sl No	Ward	Name of other water bodies	Area	
1	79 & 80	Puzhal lake	4500Acres	PWD
2	82 & 83	Korattur Lake	600 Acres	PWD
3	85	Ambattur Lake	400 Acres	PWD

ZONE VII - WATER BODIES



OTHER WATER BODIES

Other water bodies in the Zone			
ID	Ward No	Name of other water bodies	Length / Area
L1	79 & 80	Puzhal lake	4500Acres
L2	82 & 83	Korattur Lake	400 Acres
L3	85	Ambattur Lake	250 Acres
L4	80	Thangal Eri Pond	11000.00m^2

CANAL

CANALS					
ID	Wards	Canal	FROM	TO	Length in Km
C1	83	Korattur Canal	TNHB 38th st	TNHB 61st St	1.2
C2	85	Ambattur Canal	MKB Nagar	Pattravakkam canal	1.1
C3	86	Canal near V.A.O office,Ambattur	Ambattur lake Dunlop	Pattravakkam canal	0.5
C4	88	KalaivanarNagar Canal	Kalaivanar Nagar	Geevan Bheema flats	0.3
C5	89&90	Padikuppam Canal	Ambattur industrial	Padikuppam road	1.2
C6	91	Mogappair Canal	TNHB 3rd block Canal	Gangai Amman Nagar	0.9
C7	93	Coovam Canal	Coovam New Bridge	Rail Nagar	10.5

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

733 Nos of storm water drains & side drain to a length of 172.08 Km were constructed to ease the flow of rain water in Ambattur zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs in KM
1	79	87	15.48
2	80	88	17.12
3	81	44	9.43
4	82	38	9.80
5	83	9	10.58
6	84	80	8.08
7	85	39	7.58
8	86	81	29.74
9	87	35	8.96
10	88	68	13.01
11	89	52	9.08
12	90	13	6.21
13	91	40	9.08
14	92	36	9.16
15	93	23	8.76
Total		**733**	**172.08**

Water stagnated streets in the previous monsoon - heavy rain fall

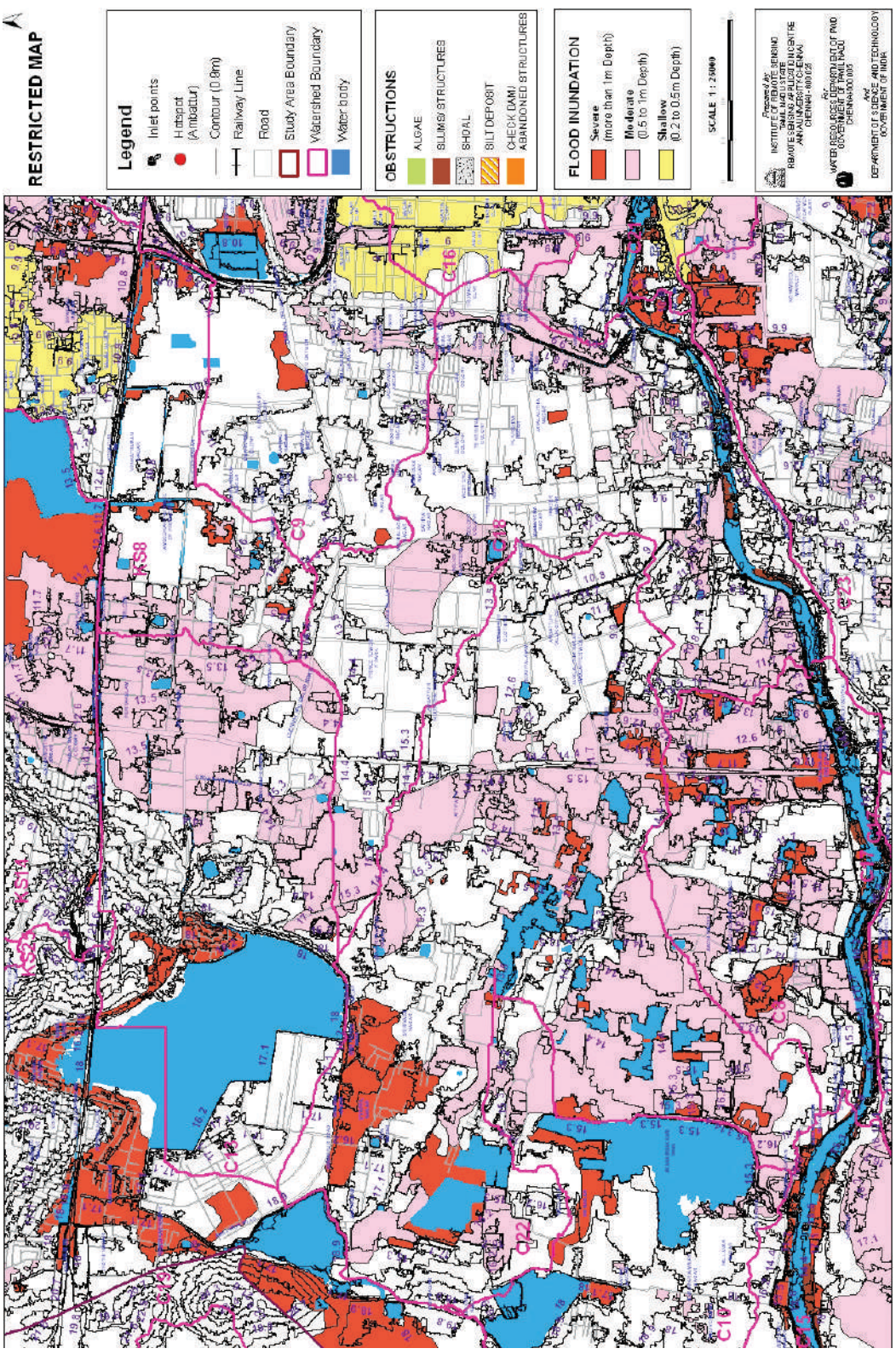
During the last monsoon 15 inundated spots in this zone were identified and actions were taken to bail out the rain water. Most of the locations were flooded during the North-East Monsoon 2018 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified water stagnations and the actions taken to dispose the rain water in each location are as below.

Water stagnated streets in the previous monsoon - heavy rain fall					
Sl. No	**Div No**	**Name of The Location**	**Capacity of Pump**	**Location of Pump**	**Disposal of Point**
1	79	Ramakrishna Street	25 HP	Ramakrishna Street	Kalaivanar Street
2	79	Nethaji Street	20 HP	Nethaji Street	Ramasamy Street
3	79	Pandian Street	25 HP	Pandian Street	Sri C V Raman Street
4	79	Indira Gandhi Street	25 HP	Kasturi Bai Street	Puzhal Street
5	80	Bakthavachalam 1st Cross street	25 HP	Bakthavachalam Street	Karukku Main Road
6	80	Vairakuam Street	25 HP	Vairakulam Cross Street	Abiramipuram Main Road
7	80	Thirumalai Priya Nagar16th Street	25 HP	Thrimalai Priya Nagar 18th Street	Thrimalai Priya Nagar main Road
8	83	Sastha Nagar Vagai Nagar	20 HP	Service Road	Highways SWD
9	83	Devi nagar	25 HP	Devi nagar	vivekanadha main road
10	83	NRS Road	25 HP		
11	85	Vanagaram Burial Ground	5 HP		
12	86	C T H Road near Indian Oil Petrol Bunk	5 HP	Through SWD	Coovam River
13	90	Golden Jubilee Flats	25 HP	Golden Jubilee Flats opp	SWD Padikuppam Road

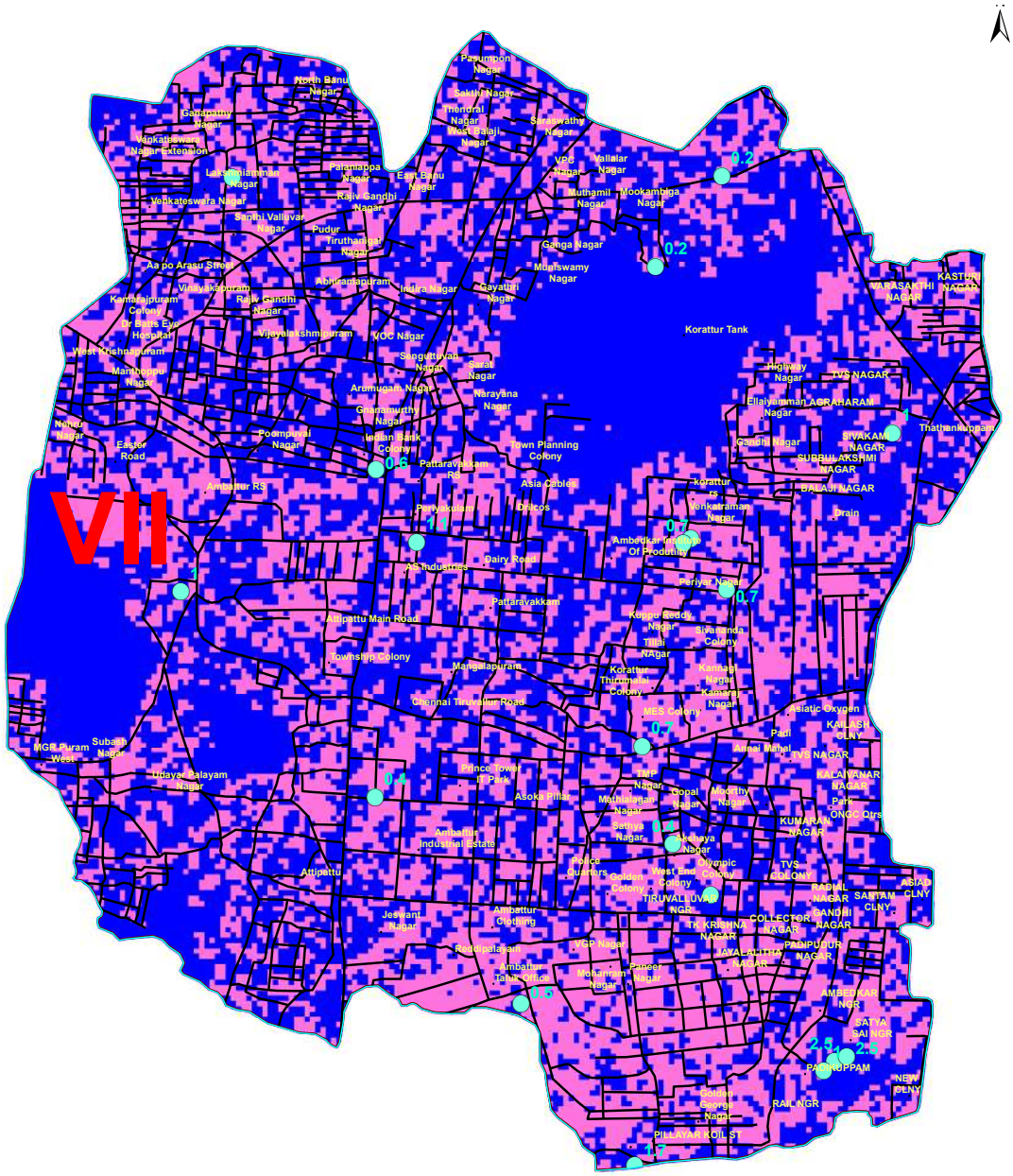
14	93	Sree Appart-ments	5 HP	Vandiamman Koil Street	Valaiyapathi salai
15	93	Govt Girls High-er Secondary School Ground	5HP Mo-tor, 10 HP Motor	Veeramamunivar Street	SWD
16	93	Govt Boys Higher Sec-ondary School Ground	5 HP	Maraimalai Adiga-lar Street	Maraimalai Adiga-lar Street

Kannadasan nagar which was flooded during 2005 flood was mapped by IRS, Anna University by crowd source method, the picture of the same is given below for planning mitigation work. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

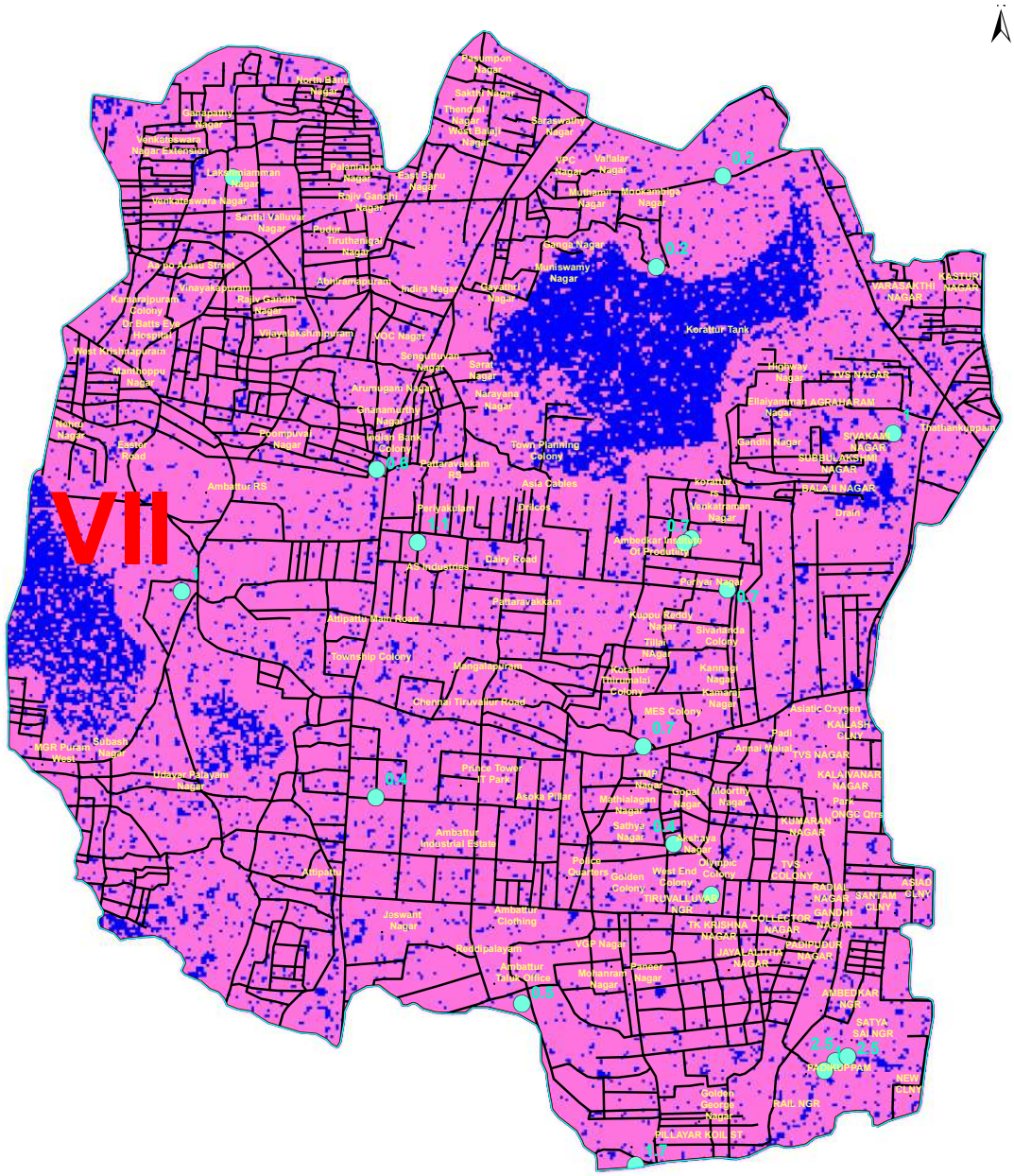
FLOOD INUNDATION MAP FOR KANNADASANNAGAR IN 2005



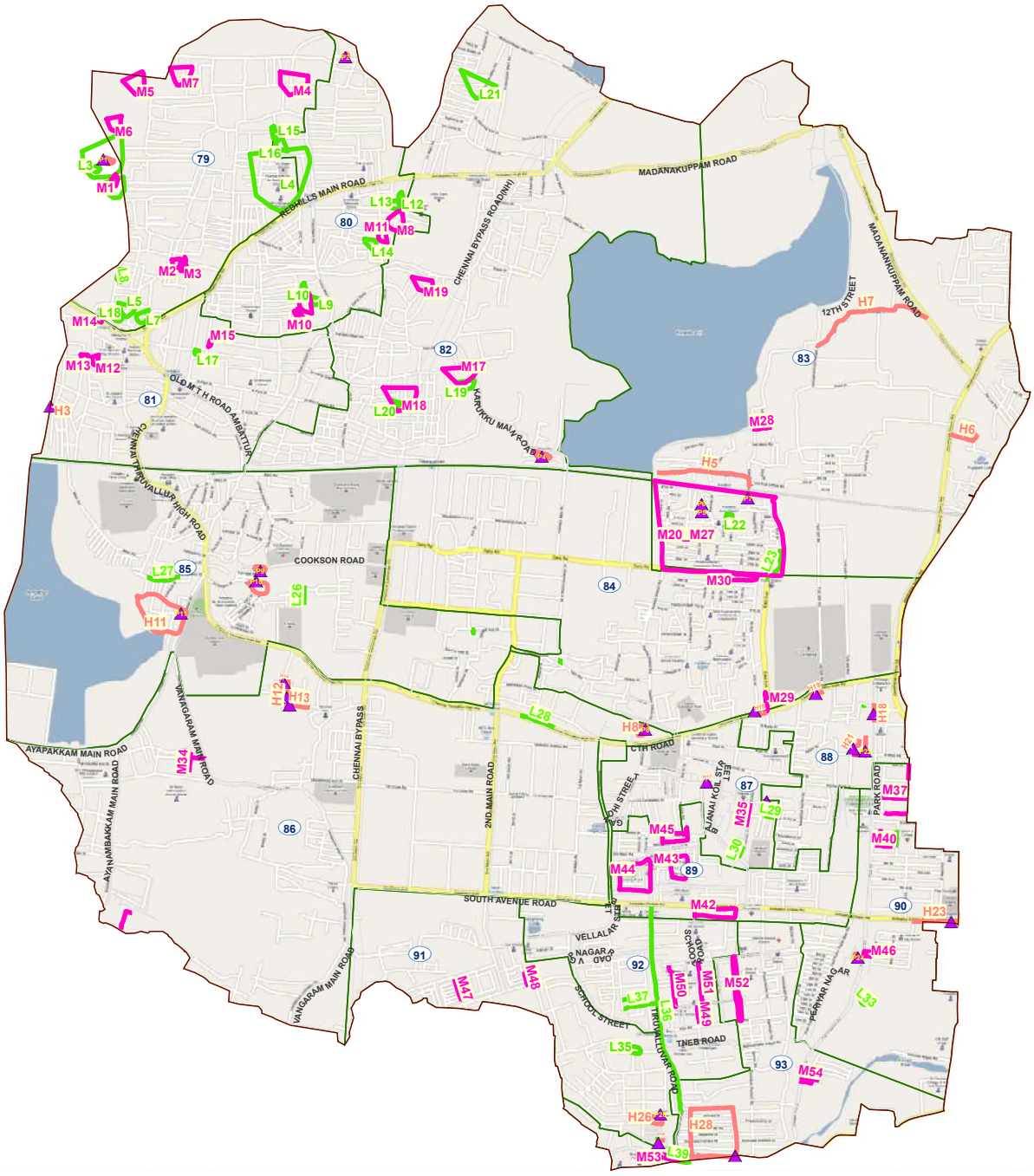
INUNDATION EXTENT ON 3 DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE


VII
0.2
0.2
0.3
0.7
0.7
0.4
0.5
2.5
2.9
1.7
Korattur Tank
Ambedkar Nagar
Asia Cable
Dairy Road
Pattaravakkam
Township Colony
Mangalapuram
Asoka Nagar
Jeswanth Nagar
Ambattur Clothing
Ambattur Industrial Estate
Attipattu
Attipattu Main Road
Korattur Thirumullaivoyal Colony
Korattur Venkataraman Nagar
Korattur Tank
Korattur Rs
Korattur Rly Stn
Thirumullaivoyal
Thirumullaivoyal Colony
Thirumullaivoyal Rly Stn
Ambattur Rs
Ambattur Rly Stn
Ambattur Rly Colony
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Ambattur Rly Workshop Quarters Colony Rly Workshop

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE


VII
0.2
0.2
0.3
1.1
0.7
0.7
0.4
0.9
2.5
2.5
1.7
Keraltur Tank
Muniswamy Nagar
Town Planning Colony
Ambattur Industrial Estate
Ambattur Tank
Jaya Tower
Jaya Flats
Ambattur Clothing
Golden Colony
West End Colony
Olympic Colony
TVS Colony
TVS NAGAR
KALAIVANAR NAGAR
Township Colony
Chennai Tiruvallur Road
Ambattur Railway Station
Ambattur Bus Depot
Ambattur Police Station
Ambattur Fire Station
Ambattur Municipal Office
Ambattur Old Bus Depot
Ambattur Water Tank
Ambattur Clothing
Ambattur Industrial Estate
Ambattur Tank

ZONE VII - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon - Heavy

Streets where water stagnated in the previous monsoon - Moderate

Streets where water stagnated in the previous monsoon - Light

Location of Diesel Pump Location

Water stagnated streets in the previous monsoon - mild rainfall

S. No	Ward	Name of the street
1	82	Munusamy Koil street
2	82	VOC street
3	82	DTP Colony
4	82	Ganamoorthy Nagar
5	85	CTH road near TI Cycles

Water stagnated streets in the previous monsoon - moderate rainfall

S. No	Ward	Name of the street
1	79	Name of the Street
2	79	Redhills Main road
3	79	Rajendra Prasad, Venkateswara Nagar
4	80	Banu Nagar 24th Avenue & Thirumalai priya Nagar
5	83	Devi Nagar
6	85	Pattravakkam road (SIDCO)
7	85	Tass Industrial Estate
8	86	TNHB Phase III
9	87	Cth road near Shell petrol Bunk
10	89	Round Building

Stagnation of water in streets due to sewer blocks

Sl.No	Ward	Name of the Streets	No. of manholes
1	82	DTP Colony	10
2	84	Central Avenue	3
3	91	Mogappair west TNHB 1st,2nd,3rd,6th & 7th Blocks in div 91	10
4	92	10th , 11th, 12th Block	10
5	93	Nakeeran salai, Industrial estate, Pugazhendhi salai, Vandiamman Kovil street, Periyar street	15

Relief Centres

There are 15 relief centres to a total capacity of 7750 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

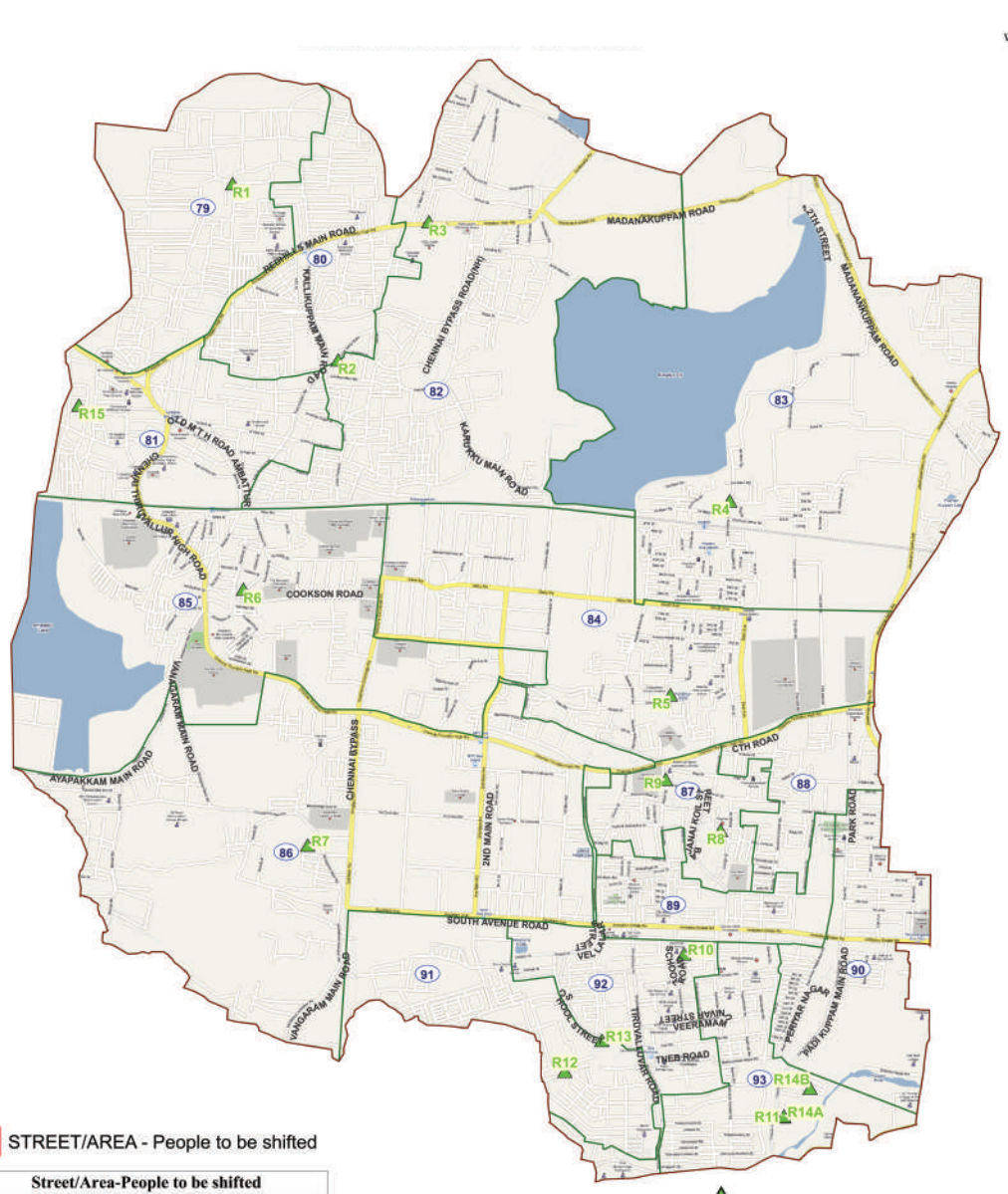
S.No.	Ward No	Capacity	Name &Address of relief centre available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in- charge (Designation)	Contact No.
1	79	1000	Chennai Middle School, Gandhi Main Road	G.K. Street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190379
								Sanitation	Sanitary Inspector	9445025879
								Food& Drinking Water	Assistant Revenue Officer	9952936676
2	80	500	Chennai Middle School, Chitorag-adam	Bathava chalam Street	Yes	Yes	Yes	Evacuation & Relief Material	Assistant Engineer	9445190380
								Sanitation	Sanitary Inspector	9445025880
								Food& Drinking Water	Assistant Revenue Officer	9952936676
3	81	250	Chennai Middle School, Saraswathi Nagar	Pan-duranga Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190381
								Sanitation	Sanitary Inspector	9445025881
								Food& Drinking Water	Assistant Revenue Officer	9952936676
4	82	200	Redhills Main Road, Prabavathi mahal Kal-likuppam	D.T.P. Colony	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190382
								Sanitation	Sanitary Inspector	9445025881
								Food& Drinking Water	Assistant Revenue Officer	9952936676
5	83	100	CPS & CHS School,NRS road, Agraharam, korattur	NRS cross street	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190383
								Sanitation	Sanitary Inspector	9445025883
								Food& Drinking Water	Assistant Revenue Officer	9952936676

S.No.	Ward No	Capacity	Name &Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
6	84	100	Chennai Primary and High School, Chavadi st, korattur	Korattur	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190384
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9445190087
7	85	200	Chennai Primary School, Ramapuram	MKB Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190385
								Sanitation	Sanitary Inspector	9445025886
								Food & Drinking Water	Assistant Revenue Officer	9445190087
8	86	500	Chennai Primary School, Vanagaram Main Road	Annai Sathya Nagar, Ram Poornam Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190386
								Sanitation	Sanitary Inspector	9445025886
								Food & Drinking Water	Assistant Revenue Officer	9444576365
9	87	600	Chennai Middle school, Dr.Moorthi Nagar,	Moorthy Nagar,	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190387
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365

S.No.	Ward No	Capacity	Name &Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
10	88	100	Chennai Primary School, Kalaivanar Nagar	Kalaivanar Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190388
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365
11	89	850	Meenakshi School, TVS Colony	Round Building	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190389
								Sanitation	Sanitary Inspector	9445025887
								Food & Drinking Water	Assistant Revenue Officer	9444576365
12	93	850	Chennai High School, Padikuppam Main Road, Anna Nagar West Extn. Ch -101.	Pillaiyar Koil street padikuppam	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190393
								Sanitation	Sanitary Inspector	9445910929
								Food & Drinking Water	Assistant Revenue Officer	9444576365
13	92	200	Velammal mat.Hr.Sec. School	Dr.Ambedkar Nagar	Yes	Yes	No	Evacuation & Relief Material	Assistant Engineer	9445190391
								Sanitation	Sanitary Inspector	9445025893
								Food & Drinking Water	Assistant Revenue Officer	9444576365

S.No.	Ward No	Capacity	Name &Address of relief centres avail-able	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge (Designation)	Contact No.
14	93	850	Chennai Higher School, pa-dikuppam	Padik-uppam Pillaiyar Koil Street	Y e s	Y e s	No	Evacu-ation & Relief Material	Assistant Engineer	9445190393
								Sanitation	Sanitary Inspector	9445025893
								Food & Drinking Water	Assistant Revenue Officer	9444576365

ZONE VII - EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

Street/Area-People to be shifted

ID	Ward	Streets
R1	79	G.K.STREET
R2	80	BATHAVACHALAM STREET
R3	82	D.T.P. COLONY
R4	83	NRS CROSS STREET
R5	84	KORATTUR
R6	85	MKB NAGAR
R7	86	ANNAI SATHYA NAGAR
R7A	86	RAM POORNAM NAGAR
R8	87	MOORTHY NAGAR
R9	88	MUNNESWARAN STREET&
R10	89	MAGILCHI COLONY
R10A	89	WEST END COLONY
R10B	89	GOLDEN COLONY
R11	90	PADIKUPPAM
R12	91	PEOPLES
R13	92	10TH BLOCK, 11TH BLOCK, 12TH BLOCK
R14	93	GANGAI AMMAN NAGAR

RELIEF SHELTER

Relief center

ID	Ward	Name
R1	79	Chennai Middle School , Gandhi Main Road
R2	80	Chennai Middle School , Chitoragadam
R3	82	Redhills Main Road, Prabavathi mahal Kallikuppam
R4	83	CPS & CHS School,NRS road, Agraharam, korattur
R5	84	CPS & CHS School,Chavadi st, korattur
R6	85	Chennai Primary School, Ramapuram
R7	86	Chennai Primary School, Vanagaram Main Road
R8	87	Chennai Middle school, Dr.Moorthi Nagar
R9	87	Bhuvaneshwari matric School,Raj Street
R10	89	Meenakshi School,TVS Colony
R11	90	Padikuppam School, Padikuppam Main Road, Anna Nagar West Extn. Ch -101.
R12	91	Velammala mat.Hr.Sec.School
R13	92	Chennai primary school, venugopal st, mogappair
R14A	93	Chennai middle school,Padikuppam,
R14B	93	Bethani Primary School,Anna street
R15	81	Chennai Middle School,Saraswathi Nagar.

Subways

There is subway in Division 84 Korattur Railway Station as of now available in Ambattur zone.7

Sl. No.	Ward. No	Name of the Subway
1	84	Korature subway

Tree fall

During the last monsoon, in Ambattur zone totally 50 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward. No	Name of the Streets
1	84	Central Avenue,TNHB 2nd Street,TNHB 4th Street
2	88	Park road,B Sector,C sector, D Sector
3	89	TVS Colony 50th Street
4	91	VGN Padma Street, VGN Avenue
5	92	Mohanram Nagar
6	93	Pachiappar Salai

Streets - where water entered houses - do not require evacuation

During the last monsoon, 9 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2018 the under mentioned 9 locations were inundated from these areas were cleared by using 15 pumps ranging from 2 HP to 60 HP capacity. The identified vulnerable spots arev as below,

Sl. No.	Ward	Name of the area/street
1	82	DTP Colony,Ganamoorthy Nagar,Munusamy Koil st,VOC street,Thirunavukarasu Street
2	83	Vanasakthi Nagar
3	84	East Avenue Road, Central Avenue road
4	85	Kamarajapuram, Ramapuram, MKB Nagar
5	86	Annai Sathya Nagar, Ram Poornam Nagr
6	88	Park road opposite to Newry tower
7	91	2nd Block & 3rd Clock
8	92	Venugopal Street,Kannadasan Salai
9.	93	Vandiamman koil street,Nehru street,Padikuppam ,Nakeeran salai

Streets that require evacuation

During the heavy flood that occurred in 2018, in Ambattur zone there were no one

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one number of Diesel Genset with movable mobile high mast, 5 nos of 2 KVA & 2 Nos of 3 KVA portable Generator available in the zone for emergency purpose .The details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	79 to 93	Assistant Executive Engineer	9445190047
2	79,82	Assistant Engineer	9445477677
3	83,84,85	Assistant Engineer	9445190934
4	81,86,87,88	Assistant Engineer	9445191473
5	89,90,92,93	Assistant Engineer	9445477678
6	80,91	Junior Engineer	9445036570

National Disaster Response Force

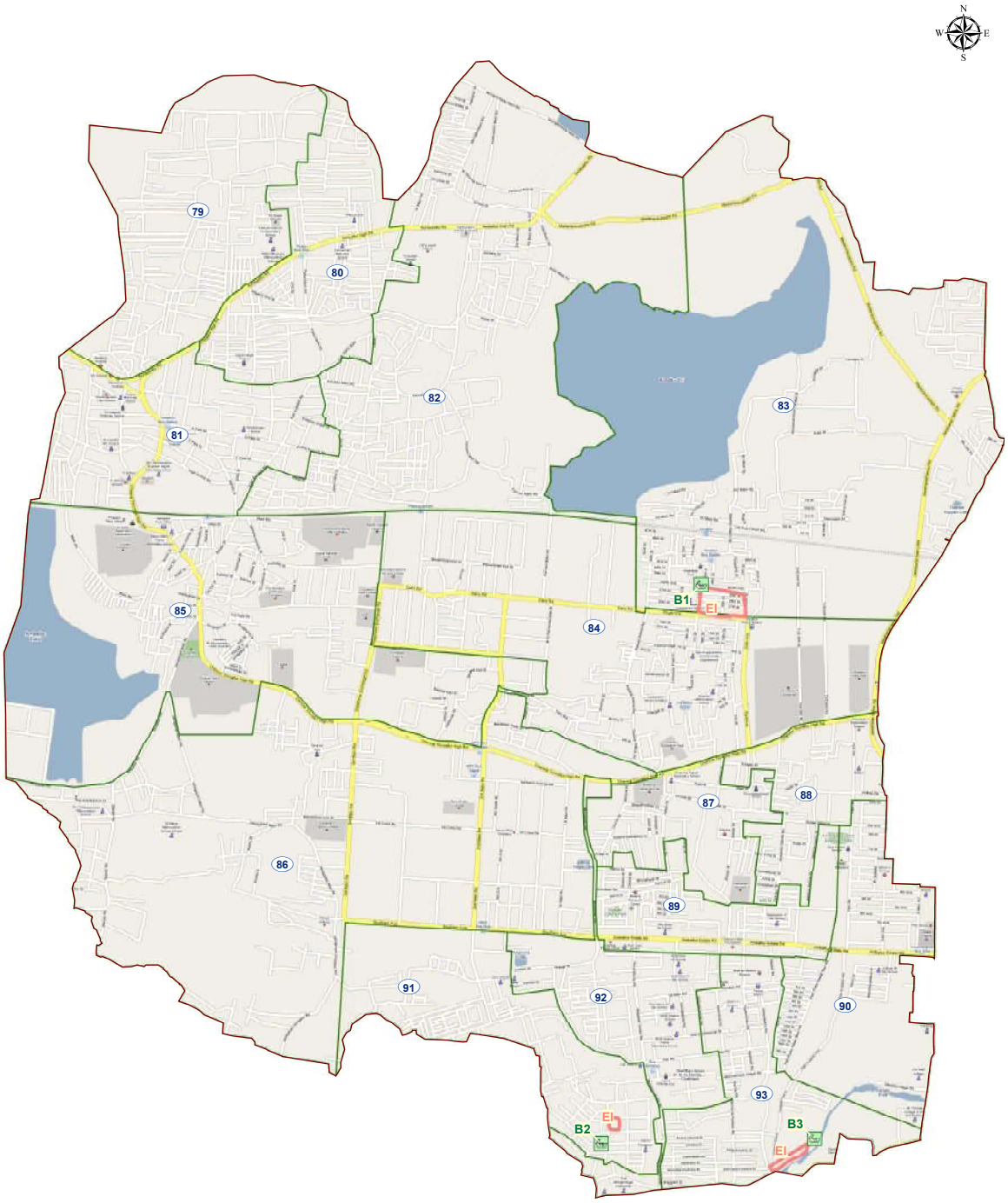
In Ambattur zone, there are no NDRF stationed locations

S.No	Ward. No.	Where NDRF to be stationed and de-ployed	Boats stationed Location	Contact person & Number
1	79 to 93	Nil	Zonal Office	Boat -8056250348

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

ZONE VII - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

ID	Ward	Number of boats required with location /evacuation areas / location
E1	83	TNHB
E2	91	MOGAPAIR ERI SCHEME
E3	93	1NO, RAIL NAGAR

BOAT LOCATION

ID	WARD	BOATS STATIONED LOCATION
B1	83	NORTH AVENUE
B2	91	MOGAPAIR ERI SCHEME 6TH MAIN ROAD
B3	93	RAIL NAGAR

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed are given below.

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris, the following vehicles were deployed.

No. of lorries and type kept in readiness
Big Compactor - 6
Small Compactor - 10
Auto – 2
Debris lorry - 6
Skid steer loaders (Bob cat) - 4
(Front end loader) JCB - 1
Water Lorry - 1
Tricycle - 488

Lorry Station - Assistant Engineer - 9445071023

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl. No	Ward/ Name	Name of the Streets
1	80	Prakasam Garu street
2	85	Teachers colony 1st and 2nd cross street, Anna 1st and 2nd cross street, , kamarajapuram sivan koil street, vanji 1st and 2nd cross street
3	86	Annai sathya Nagar, Kamarajar Nagar (Mannurpet)
4	91	Mogappair west TNHB 1st,2nd,3rd,6th & 7th Blocks

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 79
Ward Councillor -9445467079

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190379
GCC - Electrical	Assistant Engineer	9445477677
GCC- Health	Sanitary Inspector	9445025880
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190579
GCC - Revenue	Tax Collector	9941281407
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930697
TANGEDCO	Assistant Engineer	9445850340
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468
Police station	Inspector	044-23452797
PWD	Assistant Engineer	9710610897
TNUHDB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

Ward committee – 80
Ward Councillor -9445467080

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190380
GCC - Electrical	Junior Engineer	9445036570
GCC- Health	Sanitary Inspector	9445025880
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190580
GCC - Revenue	Tax Collector	9941281407
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930080
TANGEDCO	Assistant Engineer	9445850338
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468 / 9445392974
Police station	Inspector	044-23452797 / 9498103322
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 81
Ward Councillor -9445467081

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190381
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025881
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190581
GCC - Revenue	Tax Collector	9710062949
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930081
TANGEDCO	Assistant Engineer	9445850337
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468 / 9445392974
Police station	Inspector	044-23452797 / 9498103322
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 82
Ward Councillor -9445467082

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190382
GCC - Electrical	Assistant Engineer	9445477677
GCC- Health	Sanitary Inspector	9445025881
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190582
GCC - Revenue	Tax Collector	9600147606
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930082
TANGEDCO	Assistant Engineer	9445850340
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26418468 / 9445392974
Police station	Inspector	044-23452797 / 9498103322
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 83
Ward Councillor -9445467083

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190383
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025883
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190583
GCC - Revenue	Tax Collector	9940613366
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930083
TANGEDCO	Assistant Engineer	9445448945
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601 9445392974
Police station	Inspector	044-23452799 9626860945 9498195161
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 84
Ward Councillor -9445467084

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190384
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025887
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190584
GCC - Revenue	Tax Collector	9003272933
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930084
TANGEDCO	Assistant Engineer	9445850326
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601 9445392974
Police station	Inspector	044-23452799 9626860945 / 9498195161
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 85
Ward Councillor -9445467085

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190385
GCC - Electrical	Assistant Engineer	9445190934
GCC- Health	Sanitary Inspector	9445025886
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190585
GCC - Revenue	Tax Collector	9884891156
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930085
TANGEDCO	Assistant Engineer	9445850320
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26251601 9445392974
Police station	Inspector	044-23452797 9626860945 / 9498195161
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 86

Ward Councillor -9445467086

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190386
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025886
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190586
GCC - Revenue	Tax Collector	9940070125
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930086
TANGEDCO	Assistant Engineer	9445850328
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-27950080 9445392974
Police station	Inspector	044-23452797 9176528259 / 9444630246
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 87

Ward Councillor -9445467087

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190387
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445025887
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190587
GCC - Revenue	Tax Collector	7601090907
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930087
TANGEDCO	Assistant Engineer	9445850327
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629 9445392974
Police station	Inspector	044-26563629 9600950061
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 88
Ward Councillor -9445467088

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190388
GCC - Electrical	Assistant Engineer	9445191473
GCC- Health	Sanitary Inspector	9445910929
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190588
GCC - Revenue	Tax Collector	9884267278
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930088
TANGEDCO	Assistant Engineer	9445850327
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629 9445392974
Police station	Inspector	044-26563629 9600950061
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 89
Ward Councillor -9445467089

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190389
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025889
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190589
GCC - Revenue	Tax Collector	9840357311
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930089
TANGEDCO	Assistant Engineer	9445448325,322
BSNL	Assistant Engineer	9445015399
Police station	Inspector	044-26563629 9498100113
Fire service	Inspector	044-23452799 9445392974
Police station	Inspector	9498100113
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 90

Ward Councillor -9445467090

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190390
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025890
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190590
GCC - Revenue	Tax Collector	9551836556
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930090
TANGEDCO	Assistant Engineer	9445850322 – 325
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629 9445392974
Police station	Inspector	044-23452753 9865323765 9444864889
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 91

Ward Councillor -9445467091

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190391
GCC - Electrical	Assistant Engineer	9445036570
GCC- Health	Sanitary Inspector	9445025891
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190591
GCC - Revenue	Tax Collector	8124988152
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930091
TANGEDCO	Assistant Engineer	9445850324-323
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629 9445392974
Police station	Inspector	044-23452748 9498100117
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 92
Ward Councillor -9445467092

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190392
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025892
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190592
GCC - Revenue	Tax Collector	9043853058
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	8610014983
CMWSSB	Assistant Engineer	8144930092
TANGEDCO	Assistant Engineer	9445850324-323
BSNL	Assistant Engineer	9445015399
Fire service	Inspector	044-26563629 9445392974
Police station	Inspector	044-23452748 9840414972 9047920801
PWD	Assistant Engineer	9080595550
TNUHDB	Assistant Engineer	044- 28444973
Highways	Assistant Engineer	8072380917

Ward committee – 93
Ward Councillor -9445467093

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190393
GCC - Electrical	Assistant Engineer	9445477678
GCC- Health	Sanitary Inspector	9445025893
GCC - Veterinary	Veterinary Assistant Surgeon	9445194744
GCC - Solid waste management	Conservancy Inspector	9445190593
GCC - Revenue	Tax Collector	944806952
Revenue	Tasildar	9445000489
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930093
TANGEDCO	Assistant Engineer	9445448323
BSNL	Assistant Engineer	9486101978
Fire service	Inspector	044-26563629
Police station	Inspector	9498100113
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	044-22358311
Highways	Assistant Engineer	9442984812

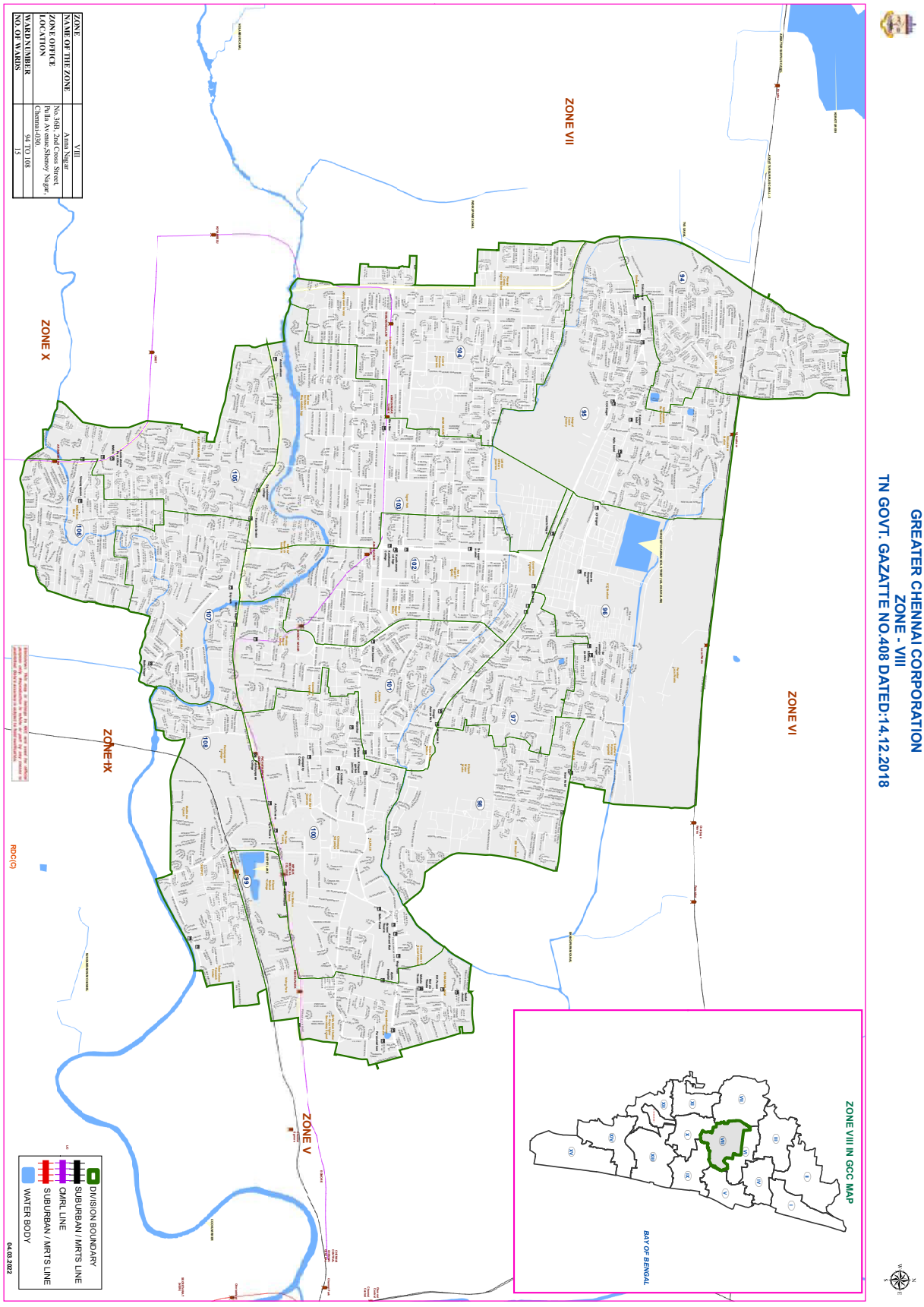
ZONE - VIII

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ANNA NAGAR

ZONE VIII - WARD BOUNDARY



Profile

The Anna Nagar zone lies in Latitude 13.0791°, Longitude 80.2279° and covering an area of 25.00 Sq.km.

There are 2369 roads, out of which 2319 roads to a length of 353.91 Km are Interior Roads, 50 Roads to a length of 41.41 Km are Bus Route Roads which are maintained by GCC and the remaining 2 roads are under the maintenance of Highways department.

The population is about 8.00 lakhs having Male population of 49.96% and Female population of 50.04 % in this zone. The most densed area in the zone is ward 95 with a population of 92565 and the least is ward 107 with a population of 23175. The Ward wise population is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	94	10577	49217
2	95	22644	92565
3	96	7245	40653
4	97	14903	59612
5	98	12126	36829
6	99	13712	54848
7	100	17120	48158
8	101	14507	78351
9	102	10754	43014
10	103	10399	41596
11	104	13095	43478
12	105	17258	74033
13	106	15919	70200
14	107	8675	23175
15	108	11182	44727
TOTAL		**200114**	**800456**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate officers. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Ward No.	Contact Number
1	Chairman	94 to 108	9445467094 9283184848
2	Zonal Officer	94 to 108	9445190008

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	94 to 100	9445467320
2	Executive Engineer-2	101 to 108	9445190028
3	Assistant Executive Engineer	Unit -21	9445190121
4	Assistant Executive Engineer	Unit -22	9445190122
5	Assistant Executive Engineer	Unit -23	9445190123
6	Additional Divisional Engineer, Electrical	94 to 108	9445190048
7	Assistant Executive Engineer, Mechanical	94 to 108	9445190496

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Unit -21	9445191421
2.	Conservany supervisor	Unit -22	9445190422
3.	Conservany supervisor	Unit -23	9445191423

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit No.	Office Mobile Number
1	Zonal Health Officer	Zone VIII	9445190068
2	Veterinary Surgeon	Zone VIII	9445200612
3	Senior Entomologist	Zone VIII	9410624209
4	Sanitary Officer	Unit 21	9445190688
5	Sanitary Officer	Unit 22	9962526363
6	Sanitary Officer	Unit 23	9445190708

Parks

In this zone there are 41 Parks available in various locations such as Villivakkam, Ayanavaram,Anna nagar, Aminjikarai, Purasaivakkam & Kilpauk etc. . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Oversear 9445467388	Tree Pruner - 4 Petrol Saw– 25	Anna Nagar, Shenoy Nagar, Villivakkam, Ayanavaram, Kilpauk, Purasaiwalkam, Chetpet, Aminjikarai, Metha Nagar, Arumbakkam, MMDA Colony and Thirumangalam.

S.No	Ward No	Ward Name	Name / Location of the Park
1	94	Villivakam	Sidco Nagar 4th Main Road, Villivakkam,Ch-49
2	95	Villivakam	Thiru Nagar 13th Block 11th Street,Villivakkam, Chennai - 49.

S.No	Ward No	Ward Name	Name / Location of the Park
3	96	Ayanavaram	United India Nagar (Jeeva Park),Ayanavaram, Chennai - 23.
4	97	Ayanavaram	Pachaikal Veeraswamy Street, Ayanavaram, Chennai - 23.
5	97	Ayanavaram	Vellala Street ,Ayanavaram, Chennai - 23.
6	98	Ayanavaram	Konnur HIGH road (OSR land park), Ayanavaram, Chennai - 23.
7	98	Ayanavaram	Thiruvallavur Nagar (Solaimman koil st), Ayanavaram, Chennai - 23.
8	99	Purasaiwalkam	Nehru Park, PH Road
9	99	Purasaiwalkam	True Value Homes, Bricklin Road, Purasaiwalkam
10	99	Purasaiwalkam	True Value Homes, Bricklin Road, Purasaiwalkam
11	99	Purasaiwalkam	Bricklin Road, Purasaiwalkam
12	99	Purasaiwalkam	Bank Manickam Park, Purasaiwalkam
13	100	Kilpauk	Bashyam Park,Junction of Taylors road & Halls Road,Kilpauk, Chennai - 10.
14	100	Kilpauk	Air india park, Harleys Lane,Kilpauk, Chennai - 10.
15	100	Kilpauk	Kences Park at EVR Lane,Kilpauk, Chennai - 10.
16	100	Kilpauk	Prof.Subramaniam Park, Prof. Subramaniam Street, Kilpauk, Chennai - 10.
17	101	Anna Nagar	G-Block Park, Anna Nagar East, Chennai - 102.
18	101	Anna Nagar	Scatting Park, Pulla Avenue, Shenoy Nagar, Chennai - 30.
19	102	Anna Nagar	2nd Main Road,Anna Nagar East ,Chennai - 102.
20	102	Anna Nagar	Boganvilla Park, 6th Avenue, K Block, Anna Nagar East , Chennai - 102.
21	102	Anna Nagar	C-Block, Pulla Avenue, Anna Nagar East , Chennai - 102.
22	103	Anna Nagar	AD-Block Park 3rd Street, Anna Nagar,
23	103	Anna Nagar	AL-Block 14th Main Road, Anna Nagar, Chennai - 40.
24	103	Anna Nagar	7th main road, near amma unavagam (OSR Park), Anna Nagar, Chennai - 40.
25	103	Anna Nagar	Dr.Visweswaraya Tower Park at 3rd Main Road, Anna Nagar, Chennai - 40.
26	103	Anna Nagar	Tas Chellaiah Road, Anna Nagar, Chennai - 40.
27	104	Anna Nagar	I-Block 2nd Street, Anna Nagar West, Chennai - 40.
28	104	Anna Nagar	I-Block 38th Street, Anna Nagar West,Chennai - 40.
29	104	Anna Nagar	W-Block 'C' Sector 2nd Street, Anna Nagar West,Chennai - 40.
30	104	Anna Nagar	15th Main Road (BPCL), Ranganathan Garden, Anna Nagar, Chennai - 40.
31	104	Anna Nagar	15th Main Road (R.B.I), Ranganathan Garden, Anna Nagar, Chennai - 40.

S.No	Ward No	Ward Name	Name / Location of the Park
32	106	Aminjikarai	MMDA Colony R Block
33	107	Aminjikarai	Metal Factory Road, Aminjikarai
34	107	Aminjikarai	Nelson Manickkam Road near MGM Health Care
35	107	Aminjikarai	Nelson Manickam Road Near Sky Walk Building,Aminjikarai
36	107	Aminjikarai	Nelson Manickam Road (115),Aminjikarai
37	107	Aminjikarai	Nelson Manickam Road (Krishna building 116),Aminjikarai
38	108	Chetpet	Mayor Sathyamurthy Salai, Chetpet, Chennai - 31.
39	108	Chetpet	Mayor Ramanathan Salai Eastern Side, Chetpet, Chennai - 31.
40	108	Chetpet	Mayor Ramanathan Salai(Near TB Hospital), Chetpet, Chennai - 31.

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 16 pumping stations available in Anna nagar zone.These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl. No.	Ward No	Pumping Station	Motor with HP	No. of pumps
1	94	Sidco Nagar 2nd Main Road	Diesel 10 HP - 4 Nos Diesel 14 HP - 1 No	5
2	94	North Jaganatha Nagar	Diesel 5HP-1 Diesel 10HP-1	2
3	95	Chennai Battai Road	Nill	
4	96	Konnur High Road	Diesel 10HP-1No	1
5	97	Agathiar Nagar	Diesel 10 HP - 1 No Diesel 5 HP - 1 No Electrical 1.5 HP - 1 No	3
6	98	Parathasarthy Street	Electrical 1 HP - 2 Nos	2
7	99	Osanakulam	Diesel 5 HP - 2 Nos Diesel 7.5 HP- 2 Nos Petrol 5 HP - 1 No Submergible 25 HP - 1 No	6

Sl. No.	Ward No	Pumping Station	Motor with HP	No. of pumps
8	100	6th Avenue	Diesel 10 HP - 1 No	1
9	101	Cemetry Road	Nil	
10	102	AK Block 10th Main Road	Diesel 5 HP - 1 No Petrol 5 HP - 1 No	2
11	103	A Block	Diesel 5 HP - 2 Nos	2
12	104	Gandhi Nagar	Nil	
13	105	Indira Gandhi Street	Diesel 5 HP - 2 No Diesel 10 HP - 1 No	3
14	107	Gnana	Diesel 7.5 HP - 1 No Diesel 5HP - 1 No	2
15	108	Vinayagar Koil Street	Nil	
16		Pumping Station Road	Diesel 7.5 HP - 1 No	1
Total				30

Tamilnadu Urban Habitat Development Board

There are 15 TNUHDBtenements in Gandhi nagar, Pachaikal Veerasamy Street with a population of 26,984. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
1	96	Gandhi Nagar	2500	8000
2	97	Pachaikal Veeraswamy Street	900	3600
3	97	Periyar Salai	192	768
4	99	N.V.N Nagar	1024	5000
5	102	7th main Road (Brevery Road Tenements)	192	768
6	102	New Avadi Road (Dr. Ambedkar Nagar)	512	2048

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
7	102	Brewary Road	144	576
8	102	II nd Main Road (Annai Sathya Nagar)	288	1152
9	101	Cemetry Road	24	96
10	100	T.P.Chatiram	208	832
11	99	Nehru Park	288	1152
12	99	Osankulam	288	1152
13	108	Vembuliyamman Koil Tenements	144	720
14	108	Apparao Garden	36	160
15	108	MS Nagar Tenements	192	960
		TOTAL	**6932**	**26984**

Contact details

Name of the Organisation	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	U- 21	9445191421
Conservancy/GCC	Conservancy Supervisor	U-22	9445190606
Conservancy/GCC	Conservancy Supervisor	U-23	9445191423
Water Supply& Sewage / CMWSSB	Assistant Engineer	Area Engineer	8144930908
TNSCB	Executive Engineer	Zone VIII	9445074764

Water Bodies and Waterways

There are 2 Canals **(1) Otteri Nullah** maintained by PWD which originates from Villivakkam travels about 8.50 km within the zone upto Semmanpettai and disposes into Coovum river. **(2) Virugambakkam canal** maintained by PWD which touches the zone at Annai Sathya Nagar and travels about 8.10 km within the zone upto Aminjikarai and and disposes into **Coovum River** through Nelson Manikkam road.

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 165.75 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

Canals & Rivers

Sl. No	Name of the Water Course	Wards Covered	From	To	Length in km
1	Canal - Otteri Nullah	94,95,99,100, 101,102, 103	Villivakkam	Semmanpettai	8.50
2	VIirugambakkam Canal	105,106 &108	Annai Sathya Nagar	Aminjikarai	8.10
3	Coovum River	100,102, 106,&107	Koyembedu	Chetpet	7.00

Other water bodies

S. No	Ward No.	Ward Name	Location	Area in M^2
1	94	Villivakkam	Agatheeswaran Koil Street (Sivan Koil pond)	800
2	94	Villivakkam	Damodharan Perumal Koil Street (Perumal Koil Pond)	750
3	95	Villivakkam	Thiruveethi Amman Koil Street (Valayan Kulam)	625
4	96	Ayanavaram	Kasi Viswanathasamy Koil Pond, Ayanavaram	2500
5	97	Ayanavaram	Pond in Parasuramaeshwarar Koil Street	450
6	103	Anna Nagar	Anna Nagar Tower Park Pond, 6th Main Road	5000
7	103	Anna Nagar	Anna Nagar Tower Park Pond, 6th Main Road	1160
8	103	Anna Nagar	Vaishnava College Pond, PH Road	2047
9	99	Purasaiwalakam	Pond in Gangadeeswarar Koil Street	900
10	108	Purasaiwalakam	Chetpet Lake	15 Acre



OTHER WATER BODIES

Ponds & Lakes

S. No	Ward No.	Location	ID
1	94	Agatheeswaran Koil Street (Sivan Koil pond)	P1
2	94	Damodharan Perumal Koil Street (Perumal Koil Pond)	P2
3	95	Thiruveethi Amman Koil Street (Valayan Kulam)	P3
4	97	Pond in Parasuramaeshwarar Koil Street	P4
5	104	Pond in Gangadeeswarar Koil Street	P5
6	104	Chetpet Lake	P6

CANAL

Canals

S. No	Name of the Water Course	Wards Covered	From	To	Length in km	ID
1	Canal - Otteri Nullah	94,95,99,100, 101,102, 103	Villivakkam	Semmanpettai	8.5	C1
2	Vlirugambakkam Canal	105,106 &108	Annai Sathya Nagar	Aminjikarai	8.1	C2
3	Coovum River	100,102, 106,&107	Koyembedu	Chetpet	7	C3

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

642 storm water drains to a length of 161.47 km were constructed to ease the flow of rain water in Anna nagar zone. The details of SWD are given below.

Sl. No.	Ward No./ Name	No. of Drains	Length in km
1	94	52	12.72
2	95	55	12.25
3	96	9	4.31
4	97	24	4.95
5	98	25	6.11
6	99	24	5.83
7	100	47	14.41
8	101	26	6.12
9	102	63	17.74
10	103	51	24.67
11	104	113	23.34
12	105	35	7.20
13	106	36	7.47
14	107	49	7.47
15	108	33	6.88
TOTAL		**642**	**161.47**

Water stagnated streets in the monsoon 2015 - heavy rain

During the last monsoon, 29 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	95	Thanthoniamman Koil Street	7.5 HP	Thanthoniamman Koil Street	SWD
2	95	Welcome Colony	7.5 HP	Welcome Colony	SWD
3	95	Vijayalakshmipuram 1 to 3 Streets & Thanthoniamman Extn., lane	7.5 HP	Vijayalakshmipuram 1 to 3 Streets & Thanthoniamman Extn., lane	SWD
4	95	Bajanai Koil Street	7.5 HP	Bajanai Koil Street	SWD
5	96	Konnur High Road		Konnur High Road	SWD
6	96	Kakkanji Nagar & Gandhi Nagar	10 HP	Kakkanji Nagar & Gandhi Nagar	SWD
7	97	Veerasamy Main Street	7.5 HP	Veerasamy Main Street	SWD
8	97	P.E.Koil West Mada Street	3 HP	P.E.Koil West Mada Street	SWD
9	103	AD Block		AD Block	SWD
10	102	C Block	7.5 HP	C Block	SWD
11	102	W Block		W Block	SWD
12	102	Bharathipuram Main Street	7.5 HP - 2	Bharathipuram Main Street	SWD
13	102	Bharathipuram 4th Street	7.5 HP - 2	Bharathipuram 4th Street	SWD
14	102	F Block 2nd & 4th Street	7.5 HP - 2	F Block 2nd & 4th Street	SWD
15	102	Muthumariamman Colony	7.5 HP -2	Muthumariamman Colony	SWD
16	100	Millers Road	10 HP, 17.5 HP	Millers Road	SWD
17	100	Purasaiwalkam High Road (near Law College)	7.5 HP, 7.5 HP - 3	Purasaiwalkam High Road (near Law College)	SWD
18	100	Rajarathinam Street	7.5 HP	Rajarathinam Street	SWD
19	100	Kellys Road	7.5 HP – 2, 5 HP	Kellys Road	SWD
20	99	Sundaram Lane	7.5 HP	Sundaram Lane	SWD

S. No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
21	99	Osone Kulam Tenements	40 HP	Osone Kulam Tenements	SWD
22	99	New Bhoopathy Nagar	7.5 HP	New Bhoopathy Nagar 7th street	SWD
23	99	Sastri Nagar	7.5 HP	Sastri Nagar	SWD
24	99	Lawders Gate Main Road	5 HP	Lawders Gate Main Road	SWD
25	99	Shanmugarayan Street	5 HP	Shanmugarayan Street	SWD
26	105	Water Tank Road	10 HP - 2	Water Tank Road	SWD
27	108	MC Nichols 3rd Lane	5 HP	MC Nichols 3rd Lane	SWD
28	106	Iyyappa Nagar	5 HP	Iyyappa Nagar	SWD
29	106	Periyar Pathai	3 HP	Periyar Pathai	SWD



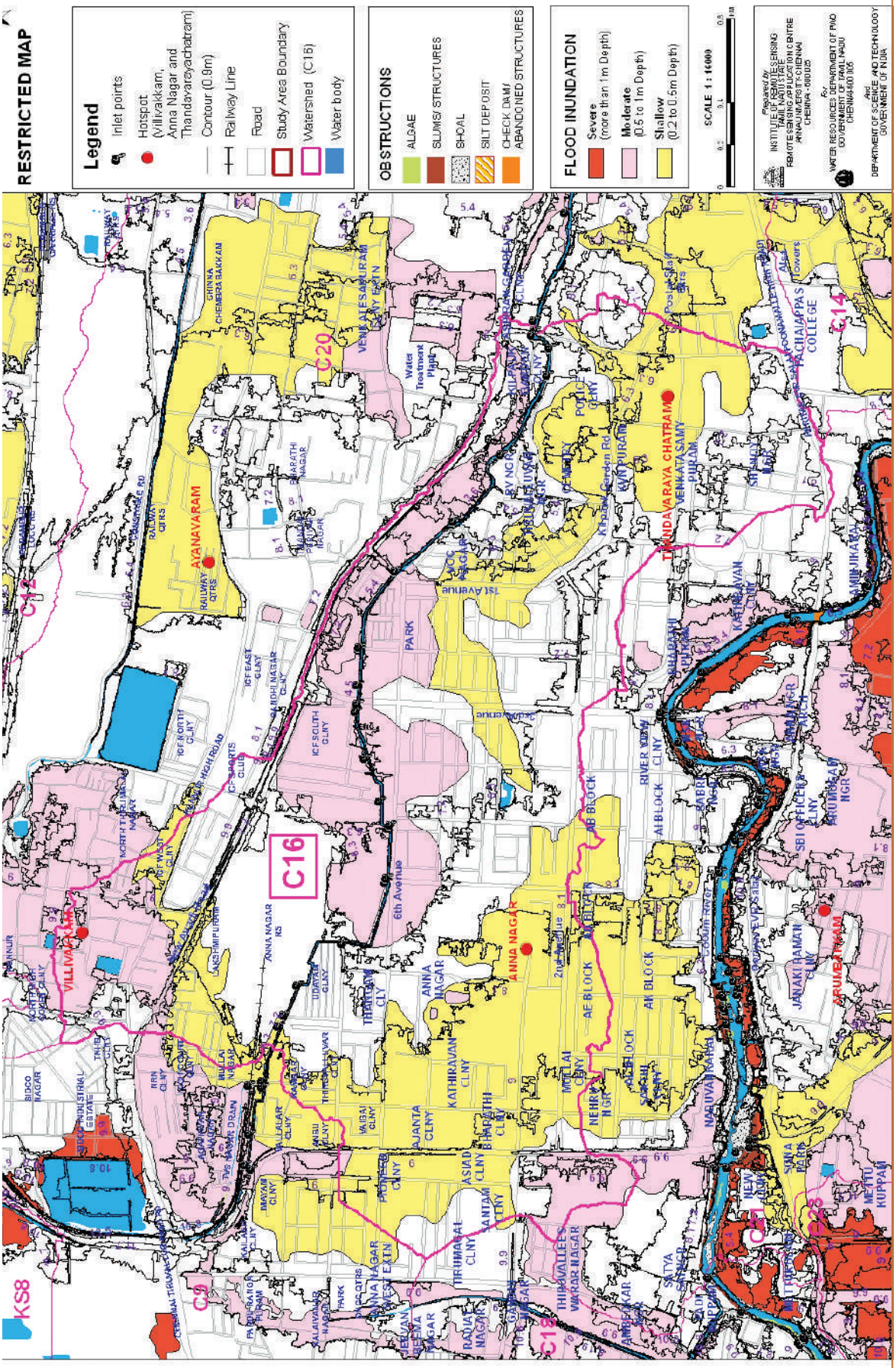
Ward 103, Purasaivakkam High Road



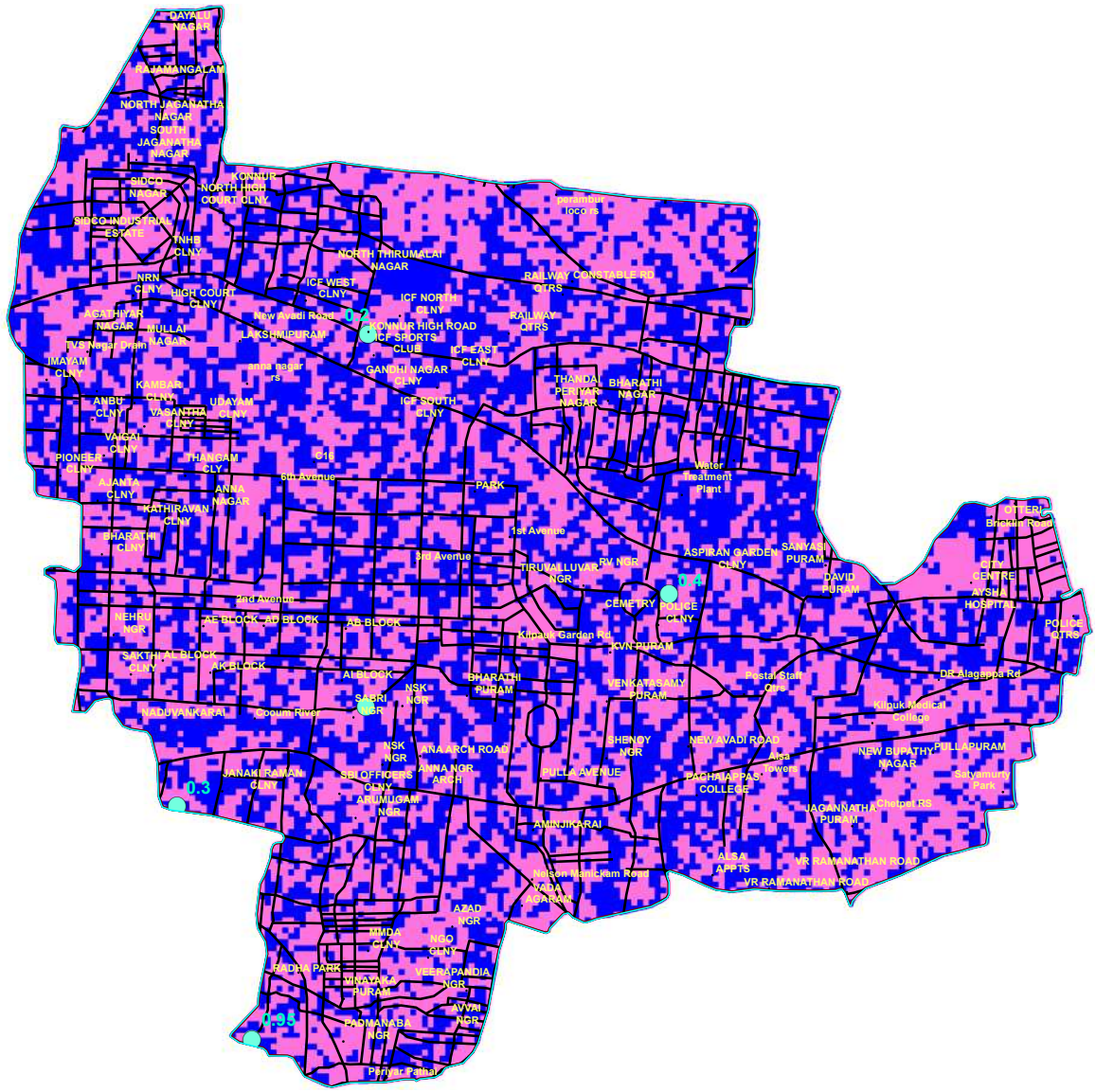
Ward 103, Millers Road

Anna university has mapped the areas inundated in this zone during 2005 flood by crowd source method, the picture of the same is given below. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

FLOOD INUNDATION MAP FOR ANNA NAGAR IN 2005



INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



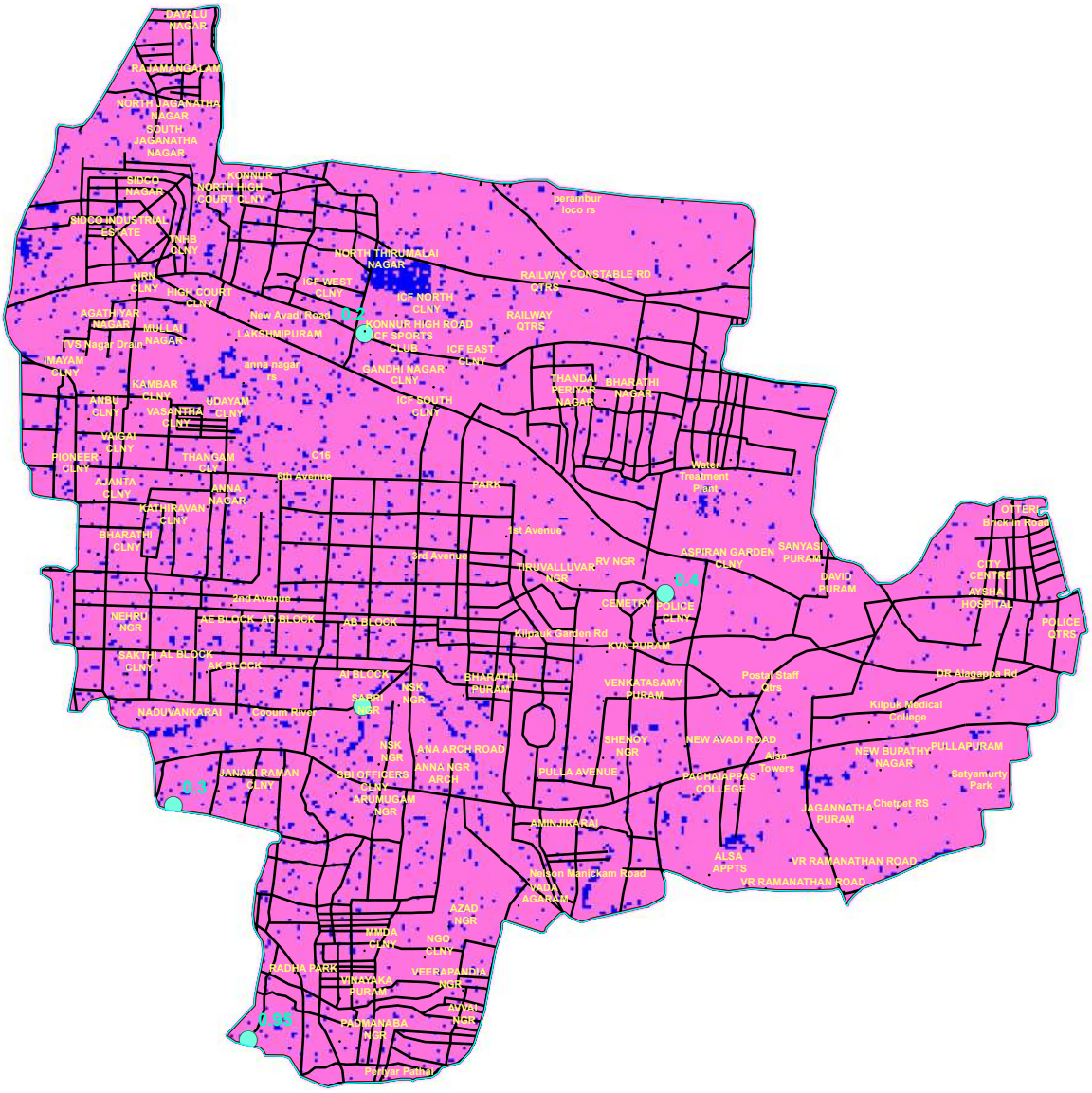
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:26,000

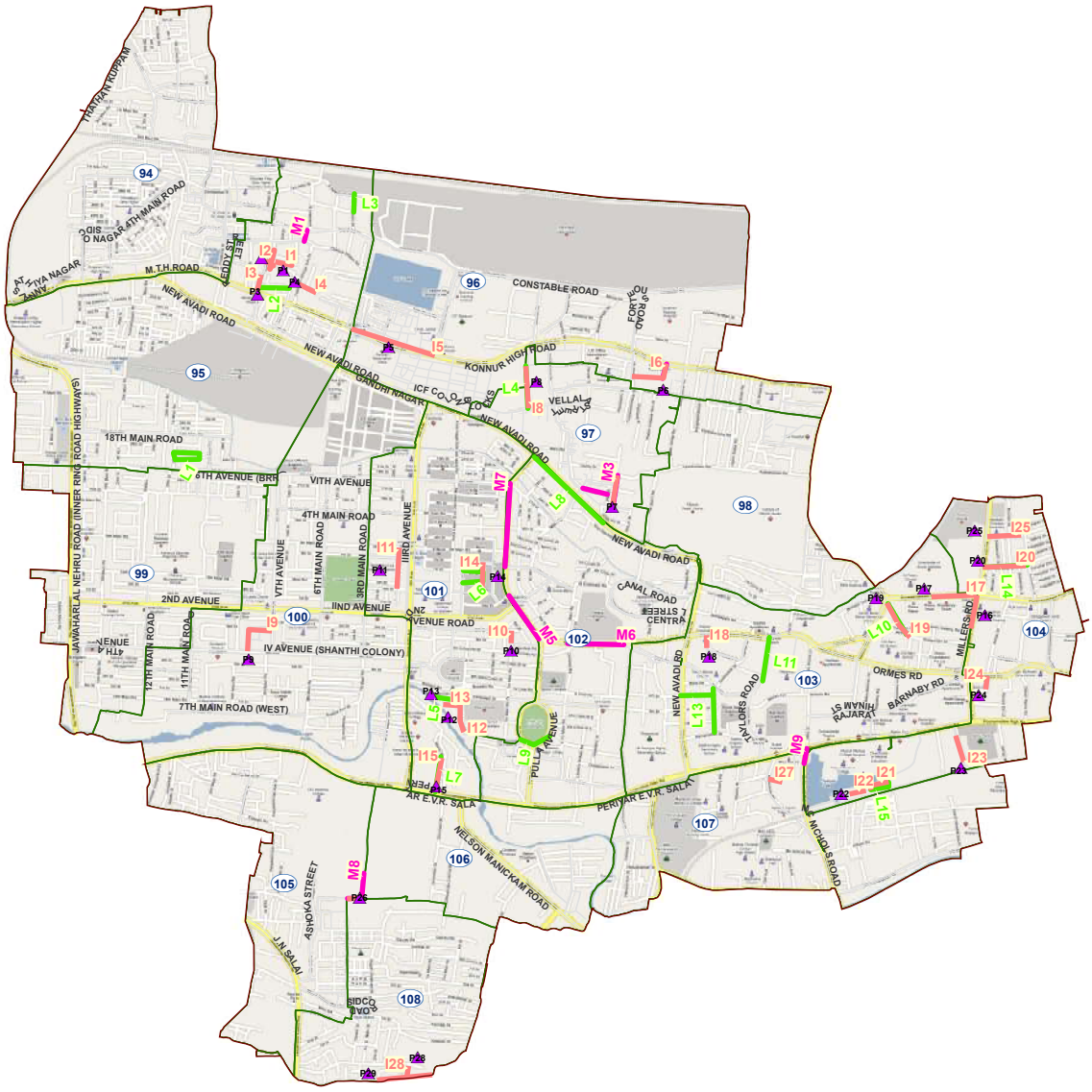
0 0.5 1 2 Km

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE VIII

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Location of Diesel Pump Location

Streets where water stagnated in the previous monsoon - Heavy

Streets where water stagnated in the previous monsoon - Moderate

Streets where water stagnated in the previous monsoon - Light

Water stagnated streets in the monsoon 2015- Mild rain

S.No.	Ward	Name of the Street
1	95	Ishwarya Kudiruppu
2	95	Seeyalam Street
3	97	P.E Koil West Mada street
4	102	Bharathipuram 4th Street
5	102	F Block 2nd & 4th Street
6	102	Muthumariamman Colony
7	101	New Avadi Road
8	101	Pulla Avenue (from PH road to 1st cross street)
9	100	Kellys road
10	100	Taylors Road
11	100	Umayal Street
12	100	Temple Street
13	99	Sundaram Lane
14	99	Ozone Kulam Tenements

Water stagnated streets in the monsoon 2015- Moderate rain

S.No.	Ward	Name of the Street
1	95	Narayana Maistry 2nd street
2	96	Kakkanji Nagar & Gandhi nagar
3	97	Veerasamy main street
4	97	Solai 3rd street
5	101	1st Main Road East
6	101	Kilpauk Garden Road

S.No.	Ward	Name of the Street
7	102	1st Avenue
8	105	Water Tank Road

Stagnation of water in streets due to sewer blocks

Sl. No.	Ward No./Name	Name of the Streets	No. of Manholes
1	96/Ayanavaram	Gandhi Nagar	8
2	97/Ayanavaram	Vellala Street	2
3	98/Ayanavaram	Old Burial Ground Road	2
4	99/Purasaiwalkam	Sundaram Lane	3
5	99/Purasaiwalkam	Sastri Nagar	5
6	99/Purasaiwalkam	Pullapuram	5
7	100/Kilpauk	Purasaiwalkam High Road	2
8	100/Kilpauk	Barnaby Road	1
9	100/Kilpauk	Flowers Road	2
10	101/Aminjikarai	Pullapuram	5
		Total	**30**

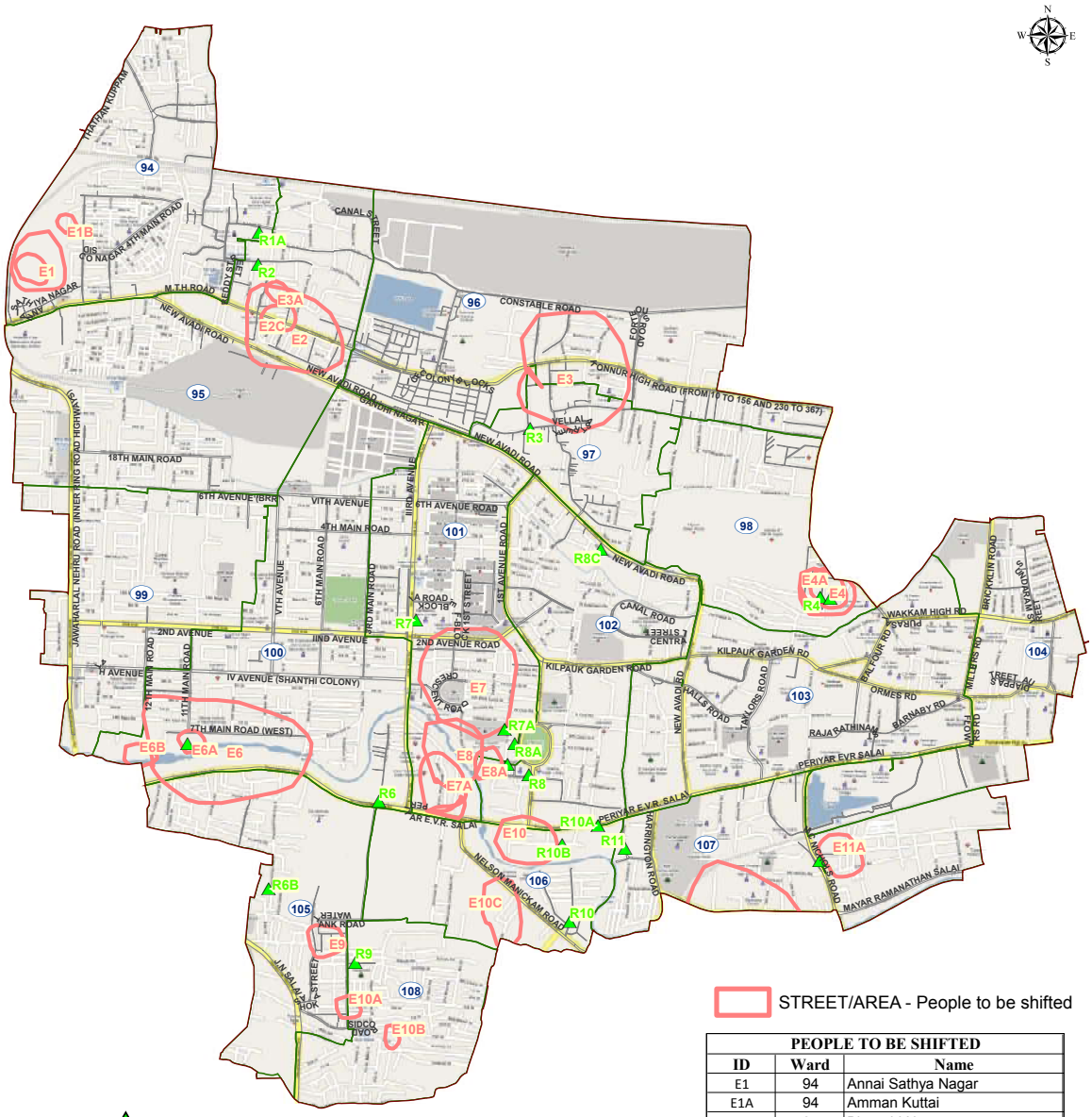
Relief Centres

There are 11 relief centres to a total capacity of 8435 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsi-bilities	Officer in-charge	Contact No.
1	94	850	Singaram Pillai school, CMS, West Mada Street, Villivakkam	Annai Sathya Nagar, Amman Kuttai and BharathiNagar	Yes	Yes	No	Sanitation, Medicine	SI	9003038046
								Evacuation	AE	9445190394
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190394
2	95	500	Kangadurga School	Vijayalakshmipuram, Welcome Colony, Bajanai koil street, Thanthoniamman koil street	Yes	Yes	No	Sanitation, Medicine	SI	9791023580
								Evacuation	AE	9445190395
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190395
3	98	1000	Lockma Nagar Church, Anganwadi, Samidosspuram	Lockma Nagar, Samidosspuram	Yes	Yes	No	Sanitation, Medicine	SI	9791023580
								Evacuation	AE	9445190398
								Food & Drinking water	ARO	9884474269
								Relief Materials	AE	9445190398
4	99	1000	CBHSS, Gangadeeshwar Koil Street	, Gangadeeshwar Koil Street	Yes	Yes	No	Sanitation, Medicine	SI	6381267340
								Evacuation	AE	8825892640
								Food & Drinking water	ARO	9444339144
								Relief Materials	AE	9445190399
5	99	300	CPS,NSK Nagar, Arumbakkam	NSK Nagar	Yes	Yes	No	Sanitation, Medicine	SI	8072464098
								Evacuation	AE	9445190403
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190403

Sl. No.	Ward	Capacity	Name & Address of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
6	101	800	Girls Hr Sec School, Pulla Avenue, Manjakollai Kathiravan Colony, Gujji Corporation Middle School	Manjakollai Kathiravan Colony, Gajalakshmi Colony	Yes	Yes	No	Sanitation, Medicine	SI	9600482735
								Evacuation	AE	9445190401
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190401
7	102	550	Thiru Vi Ka Higher Sec. School, Periakoodal Corporation School	Bharathipuram, Muthumariamman koil street	Yes	Yes	No	Sanitation, Medicine	SI	8072970991
								Evacuation	AE	9445190402
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190402
8	102	100	Gujji Corporation Middle School	Guji Street	Yes	Yes	No	Sanitation, Medicine	SI	8072970991
								Evacuation	AE	9445190402
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190402
9	100	750	Kamalammal Thirumana Mandapam, MGR Colony Anganwadi, Old Age Home	Dr. Radhakrishnan Nagar, MGR Colony, Melnaduvankarai,	Yes	Yes	No	Sanitation, Medicine	SI	8072464098
								Evacuation	AE	9445190400
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190400
10	104	200	Sathyasai nagar Church	Sathyasai nagar	Yes	Yes	No	Sanitation, Medicine	SI	7010614688
								Evacuation	AE	9445190404
								Food & Drinking water	ARO	9884474269
								Relief Materials	AE	9445190404
11	105	1000	C Block, MMDA Middle School	Ashoka Street	Yes	Yes	No	Sanitation, Medicine	SI	9543173714
								Evacuation	AE	9445190405
								Food & Drinking water	ARO	9445190088
								Relief Materials	AE	9445190405
12	106	1000	P Block Govt. School,	MMDA Colony	Yes	Yes	No	Sanitation, Medicine	SI	7397683880
								Evacuation	AE	9445190406
								Food & Drinking water	ARO	9884474269
								Relief Materials	AE	9445190406

ZONE VIII
EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

RELIEF SHELTER

Relief Centers		
ID	Ward	Name & Addres of relief centres available
R1	94	Sigaram Pillai School
R1A	94	CMS West Mada Street
R2	95	Kangadurga School
R3	96	CHS Vellala Street
R4	98	Lockma Nagar Church
R4A	98	Anganwadi Samidosspuram
R5	99	Sathyasai nagar Church
R6	100	Kamalammal Thirumana Mandapam
R6A	100	MGR Colony Anganwadi
R6B	100	Old Age Home
R7	101	Thiru Vi Ka Higher Sec School
R7A	101	Periakoodal Corporation School
R8	102	Girls Hr Sec School
R8A	102	Pulla Avenue
R8B	102	Manjakollai Kathiravan Colony
R8C	102	Gujji Corporation Middle School
R9	105	C Block MMDA Middle School
R10	106	Metha Nagar Hr Sec School
R10A	106	Corporation Middle School Aminjikarai
R10B	106	Amman Koil Mandapam
R11	107	CMS Mc Nichols Road
R11A	107	CHHS Subbarayan Street

PEOPLE TO BE SHIFTED		
ID	Ward	Name
E1	94	Annai Sathya Nagar
E1A	94	Amman Kuttai
E1B	94	Bharathi Nagar
E2	95	Vijayalakshmipuram
E2A	95	Welcome Colony
E2B	95	Bajanai koil street
E2C	95	Thanthoniamman koil street
E3	96	Kakkanji Nagar
E3A	96	Gandhi Nagar
E4	98	Lockma Nagar
E4A	98	Samidosspuram
E5	99	Sathyasai nagar
E6	100	Dr Radhakrishnan Nagar
E6A	100	MGR Colony
E6B	100	Melnaduvankara
E7	101	Bharathipuram
E7A	101	Muthumariamman Colony
E8	102	Manjakollai Kathiravan Colony
E8A	102	Gajalakshmi Colony
E9	105	Ashoka Street
E10	106	Kakkan nagar
E10A	106	Nalla Muthumariamman Nagar
E10B	106	Lime Klin Street
E10C	106	MH Colony
E11	107	Apparao Garden Avvaipuram
E11A	107	Jothiammal nagar

Subways

There are 2 subways in this zone namely Villivakkam and Harrington subway. The electrical pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Name	Length of the subway in "m"	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 94, Villivakkam Subway	650	SWD	1– 7.5 HP(Submergible) 3 –10 HP(Submergible) 1-10 HP(Monoblock)
2	Ward 108, Harrington Subway	300	Coovum River	1– 25 HP(Submergible 1 – 22 HP(Submergible) 1 – 7.5 HP (Diesel) 3– 10 HP(Submergible) 2- 10HP(Sentrifugal)



Ward 107, Harrington Road Subway



Ward 94, Villivakkam Subway

Tree fall

During the last monsoon, in Anna nagar zone totally 138 trees/ tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward No./Name	Name of the Streets
1	94/Villivakkam	North Red Hills Road, Baba Nagar, M.T.H. Road., Annai Sathya Nagar, North Sivan Koil Street, Baba Nagar 1st Main Road, North Jaganatha Nagar 2nd Street, North Jaganatha Nagar 8th Street, Valliammal Nagar, Bharathi Nagar
2	95/Villivakkam	20th Main Road, Agathiar Nagar 6th Street, Agathiar Nagar 3rd Street, Kumarasamy Nagar, I Block 36th Street, Thiruveethi-amman Koil Street, Sannathi Street, New Avadi Road, I Block 7th Street, 21st Main Road, 18th Main Road, Mullai Nagar 3rd Street, Rajiv Gandhi Nagar 2nd Street, Thanthoni Amman Koil Street, Narayana Maistry 2nd Street, Bajanai Koil Street, Vasantham Colony 1st Street, MTH Road
3	96/Ayanavaram	United India Nagar 1st Cross Street, V.P.Colony 1st Cross Street, Konnur High Road near Railway quarters, Gandhi Nagar, NMK Street
4	97/Ayanavaram	Thanthai Periyar Nagar, P.E.Koil Street, Palayam pilai Nagar, Vellala Street, Kamaraj Street, Chakravarthy Nagar
5	98/Ayanavaram	Police Manickam Street, VP Colony Extn.,, Aspiran Garden 1st Street
6	99/Anna Nagar	J Block 8th Street, J Block 4th Street, Z Block 13th Street, U Block 10th Street, NVN Nagar, TV Nagar, H Block 4th Street, Mangalam Colony, PWD Quarters, H Block 5th Street, School Road

Sl. No.	Ward No./Name	Name of the Streets
7	100/Anna Nagar	5th Avenue, S Block 21st Street, S Block 2nd Street, 5th Main Road, 2nd Avenue
8	101/Anna Nagar	6th Avenue, 2nd Main Road, Brewary Road, 3rd Avenue, R Block, T Block 1st Street, T Block 8th Street, F Block 20th Street, Q Block
9	102/Aminjikarai	Mandapam Road, Pulla Avenue, 1st Avenue, 1st Main Road, Kilpauk Garden Road, Jothiammal Nagar, TP Chatram Main Road, R.V.Nagar Main Road, RV Nagar 3rd Street, RV Nagar 4th Street, RV Nagar 5th Street, VOC Colony
10	103/Kilpauk	Kellys Road, Millers Road, Purasaiwalkam High Road (near Law College Hostel), Harleys Road (near Bala Vihar School), Dhamodaran Street
11	104/Pura-saiwalkam	Sundaram Lane, New Bhoopathy Nagar, Ozone kulam, Dr.Alagappa Road
12	105/Arumbakkam	Thirukumarapuram 3rd Street, Anna Street, Venkata Krishna Nagar, Water Tank Road, Annai Sathya Nagar, Kalki Nagar, Ashoka Street
13	107/Aminjikarai	Metha Nagar, Vallalar Street, Indira Gandhi Street
14	108/Chetpet	Dr.Gurusamy Bridge (Opposite to Ega Theatre), Mc Nichols Road
15	106/ MMDA Colony	MGR 4th Street & Andavar Street, Ko.Su.Mani Street, Periyar Pathai, Andavar Street, Kannagi Street, Kamaraj Nagar 4th Street, Sidco Street, Nehru Street

Streets -water entered houses - do not require evacuation

During the last monsoon, 27 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 27 locations were inundated for more than a day by which the normal day to day activity of 369 people were standstilled. Flood water from these areas were cleared by using 29 pumps ranging from 2 HP to 7.5 HP capacity. The identified vulnerable spots is as below,

Sl. No.	Ward No./Name	Streets where water enters house - not require evacuation
1	97/Ayanavaram	Veerasamy Main Street
2	97/Ayanavaram	P.E.Koil West Mada Street
3	97/Ayanavaram	Solai 3rd Street
4	103/Anna Nagar	AD Block
5	102/Anna Nagar	C Block
6	102/Anna Nagar	W Block
7	102/Anna Nagar	Bharathipuram Main Street
8	102/Anna Nagar	Bharathipuram 4th Street
9	102/Anna Nagar	F Block 2nd & 4th Street
10	102/Anna Nagar	Muthumariamman Colony
11	100/Kilpauk	Millers Road
12	100/Kilpauk	Purasaiwalkam High Road (near Law College)
13	100/Kilpauk	Rajarathinam Street
14	100/Kilpauk	Kellys Road
15	100/Kilpauk	Taylors Road
16	100/Kilpauk	Umayal Street
17	100/Kilpauk	Temple Street
18	99/Purasaiwalkam	Sundaram Lane
19	99/Purasaiwalkam	Osone Kulam Tenements
20	99/Purasaiwalkam	New Bhoopathy Nagar
21	99/Purasaiwalkam	Sastri Nagar
22	99/Purasaiwalkam	Lawders Gate Main Road
23	99/Purasaiwalkam	Shanmugarayan Street
24	105/Arumbakkam	Water Tank Road
25	108/Chetpet	MC Nichols 3rd Lane
26	106/MMDA Colony	Iyyappa Nagar
27	106/MMDA Colony	Periyar Pathai

Streets that require evacuation

During the heavy flood that occurred in 2015, in Anna nagar zone 20,555 people were evacuated from Arumbakkam, Aminjikarai, Anna nagar, Villivakkam, Chetpet and they were accomodated in Schools, Anganvadi and marriage hall. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below.

Sl No	Ward No./Name	Streets	No. of persons	Years	Relief centre
1	94/ Villivakkam	Annai sathya nagar, Amman kuttai and Bharathi Nagar	1600	2015-16	Singaram Pillai School, Jain Kalyana Mandapam, Chennai Middle School, West Mada Street, Villivakkam)
2	95/ Villivakkam	Vijayalakshmipuram, Welcome Colony, Bajanai Koil Street, Thanthoniamman Koil Street	1200	2015-16	Kanagadurga School
3	96/ Ayanavaram	Kakkanji Nagar, Gandhi Nagar	2000	2015-16	Chennai High School, Vellala Street
4	99/ Anna Nagar	Sathyasai Nagar	300	2015-16	Sathyasai Nagar Church
5	100/ Anna Nagar	Dr.Radha Krishnan Nagar, MGR Colony, Melnaduvankarai, Indira Nagar, Brewery Road, NSK Nagar	2870	2015-16	Kamalammal Thirumana Mandapam, MGR Colony , Anganwadi, Melnaduvankarai, Anganwadi, Old Age Home,Anna Adarsh College, Chennai Primary School, Nathamuni Street, Chennai Primary School, NSK Nagar)
6	101/ Anna Nagar	Bharathipuram, Muthumariamman Colony, Muthumariamman Koil Street, AB Block	585	2015-16	Thiru.Vi.Ka Higher Secondary School, Periakoodal Corporation School, Anna Sidha Hospital, Sundaravadanam School, Kandasamy Naidu College
7	102/ Aminjikarai	Manjakollai, Kathiravan Colony, Gajalakshmi Colony,	8000	2015-16	Girls Higher Secondary School, Pulla Avenue, Manjakollai, Kathiravan Colony Chennai Middle School, Gujji Corporation Middle School
8	105/ Arumbakkam	Ashoka Street	2000	2015-16	C Block , MMDA Middle School

Sl No	Ward No./Name	Streets	No. of persons	Years	Relief centre
9	106/ Aminjikarai	Kakkan Nagar	1000	2015-16	Metha Nagar Higher Secondary School,Corporation Middle School, Aminjikarai, Amman Koil Mandapam
10	107/Chetpet	Apparao Garden, Avvaipuram, Jothiammal Nagar	1000	2015-16	CMS, Mc Nichols Road, CHHS, Subbarayan Street
		Total	20555		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 12 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	94, 95P	Assistant Engineer	9445190935
2	96,97,98	Assistant Engineer	9445477697
3	95P,104	Lighting Inspector	9445191495
4	103 & 102	Assistant Engineer	9445190937
5	103 & 102	Lighting Inspector	9445477673
6	101 & 108	Junior Engineer	9445190938
7	101 & 108	Lighting Inspector	9445036530
8	99 & 100	Junior Engineer	9445191462
9	105,106,107	Assistant Engineer	9445190936
10	94 to 108	Additional divisional Engineer (Zone)	9445190048
11	94 to 108	Divisional Engineer (HQ)	9445190754

National Disaster Response Force(NDRF)

In Anna nagar zone, the NDRF to be stationed locations is given below,

Sl.No.	Ward No.	Where NDRF to be stationed and deployed
1	94	CMS,North Mada Street, Villivakkam
2	102	Amma Arangam

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



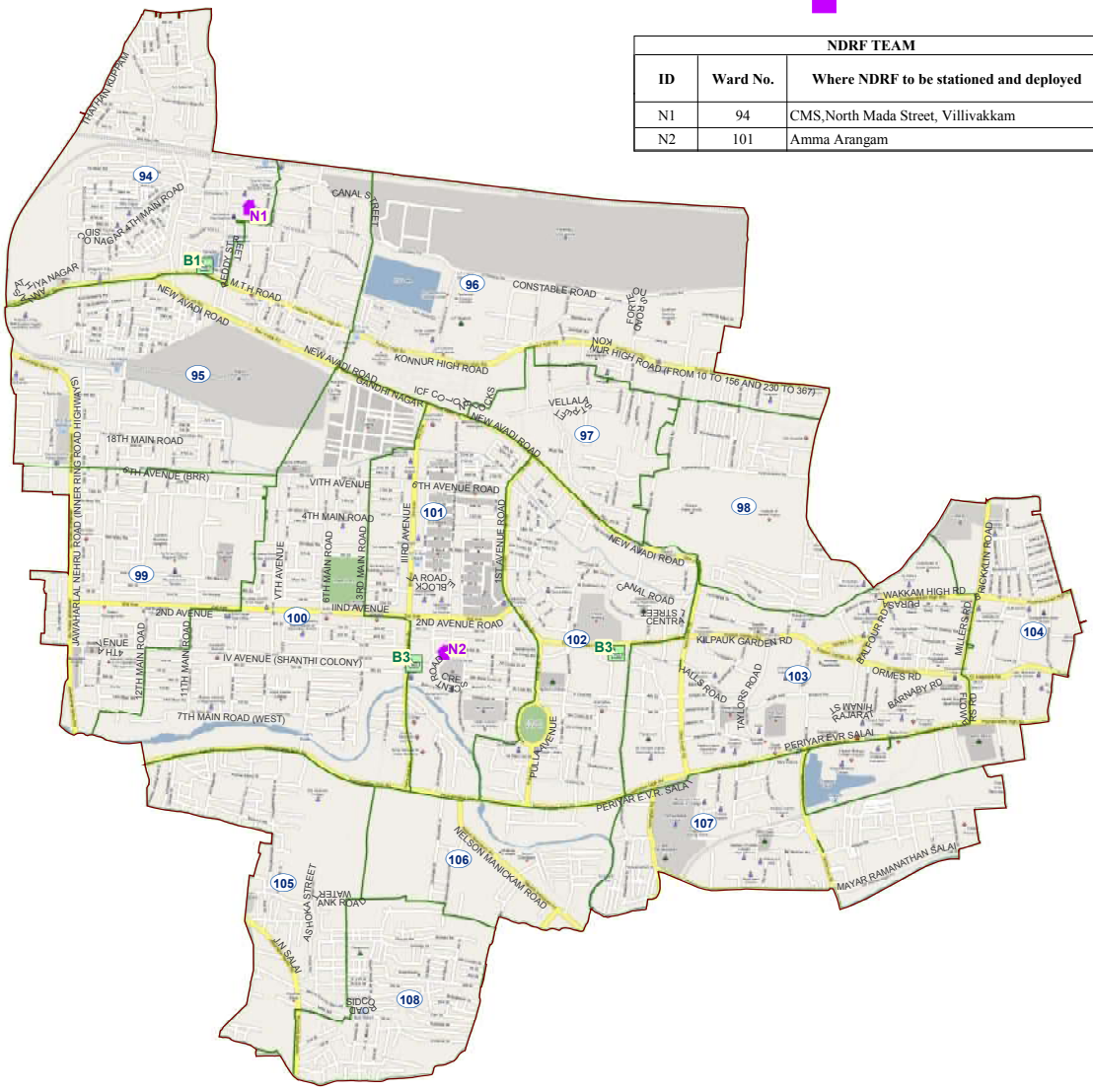
Ward 94, Sidco Nagar

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1	94	Sidco Nagar – 5 Nos.	MTH Road	Assistant Engineer 9445190394
2	102	Bharathipuram, PP Thottam, - 5 Nos.	3rd Avenue	Assistant Engineer 9445190402
3	101	Kathiravan Colony, Gajalakshmi Colony, Manjakollai, VOC Colony, - 5 Nos.	Kilpauk Garden	Assistant Engineer 9445190401

ZONE VIII
EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



NDRF TEAM

NDRF TEAM		
ID	**Ward No.**	**Where NDRF to be stationed and deployed**
N1	94	CMS,North Mada Street, Villivakkam
N2	101	Amma Arangam

EVACUATION AREA

BOAT LOCATION

EVACUATION AREA		
ID	**Ward**	**Number of boats required with location /evacuation areas / location**
E1	94	Sidco Nagar – 5 Nos.
E2	101	Bharathipuram, PP Thottam, - 5 Nos.
E3	102	Kathiravan Colony, Gajalakshmi Colony, Manjakollai, VOC Colony, - 5 Nos.

ID	Ward	Boats stationed Location
B1	94	MTH ROAD
B2	101	3RD AVENUE
B3	102	KILPAUK GARDEN

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 2 debris lorries, 3 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below

No. of lorries and type kept in readiness
Debris lorry -10
Skidsteerloaders(Bob cat)-5
(Frontendloader) JCB -1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445190494	1	3	6	1	-

Less than 2.5 m streets that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1.	101/Anna Nagar	PP Thottam
2	101/Anna Nagar	MM Colony

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 94 Ward Councillor - 9445467094

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190394
GCC - Electrical	Assistant Engineer	9445190935
GCC- Health	Sanitary Inspector	8072953367
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190594
GCC - Revenue	Tax Collector	9840389925
Revenue	Revenue Inspector	9384094057
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930094
TANGEDCO	Assistant Engineer	9445850869
BSNL	Assistant Engineer	9445390397
Fire service	Inspector	9941985545
Police station	Inspector	V1- 9444080989
PWD	Assistant Engineer	V4-9498140657
TNSCB	Assistant Engineer	8015396488
Highways	Executive Engineer	6381728841
Highways	Divisional Engineer	9566215665

Ward committee - 95 Ward Councillor - 9445467095

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190395
GCC - Electrical	Assistant Engineer	9445190935
GCC- Health	Sanitary Inspector	9940990134
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190595
GCC - Revenue	Tax Collector	9940499680
Revenue	Revenue Inspector	9384094057
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930095
TANGEDCO	Assistant Engineer	ICF-9445850866
BSNL	Assistant Engineer	9445390397
Fire service	Inspector	9941985545
Police station	Sub inspector	V1-9444080989 V5-9600000390
PWD	Assistant Engineer	K7- 9840213451
TNSCB	Assistant Engineer	8015396488
Highways	Executive Engineer	6381728841
Highways	Divisional Engineer	9566215665

Ward committee - 96 Ward Councillor - 9445467096

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190396
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	9940990134
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190596
GCC - Revenue	Tax Collector	7904025380
Revenue	Revenue Inspector	9384094058
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930096
TANGEDCO	Assistant Engineer	9445850870
BSNL	Assistant Engineer	9445850868
Fire service	Inspector	9444000567
Police station	Inspector	K7- 9840213451 K2- 9498193838(I/C)
PWD	Assistant Engineer	8015396488
TNSCB	Assistant Engineer	9791324160
Highways	Assistant Engineer	9566215665

Ward committee - 97

Ward Councillor - 9445467097

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190397
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	9445025907
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190597
GCC - Revenue	Tax Collector	9444249854
Revenue	Revenue Inspector	9384094058
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930097
TANGEDCO	Assistant Engineer	9445850868
BSNL	Assistant Engineer	9444000567
Fire service	Inspector	9941985545
Police station	Inspector	K2- 9498193838(I/C)
PWD	Assistant Engineer	8015396488
TNSCB	Assistant Engineer	9791324160
Highways	Assistant Engineer	9566215665

Ward committee - 98

Ward Councillor - 9445467098

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190398
GCC - Electrical	Junior Engineer	9445477697
GCC- Health	Sanitary Inspector	9445025907
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190598
GCC - Revenue	Tax Collector	9840189034
Revenue	Revenue Inspector	9384094058
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930098
TANGEDCO	Assistant Engineer	9445850868
BSNL	Assistant Engineer	9444000567
Fire service	Inspector	9445086070
Police station	Sub Inspector	K2- 9498193838(I/C)
PWD	Assistant Engineer	8015396488
TNSCB	Assistant Engineer	9791324160
Highways	Assistant Engineer	9566215665

Ward committee - 99 Ward Councillor - 9445467099

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190399
GCC - Electrical	Assistant Engineer	9445191462
GCC- Health	Sanitary Inspector	9445025900
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190599
GCC - Revenue	Tax Collector	9841429704
Revenue	Revenue Inspector	9384094028
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930099
TANGEDCO	Assistant Engineer	9445850725
BSNL	Assistant Engineer	9444000567
Fire service	Inspector	9445086065
Police station	Inspector	G3- 9994727274
PWD	Assistant Engineer	8015396488
TNUHDB	Assistant Engineer	6381728841
Highways	Executive Engineer	9566215665
Highways	Divisional Engineer	8754442222

Ward committee - 100 Ward Councillor - 9445467100

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190400
GCC - Electrical	Assistant Engineer	9445191462
GCC- Health	Sanitary Inspector	9445025900
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190600
GCC - Revenue	Tax Collector	.9043625295/ 7299336643
Revenue	Revenue Inspector	9499932744/ 9384094031
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930100
TANGEDCO	Junior Engineer	9445850722, 9445850723
BSNL	Assistant Engineer	9444000567
Fire service	Inspector	9444000567
Police station	Inspector	G3-9994727274 K6- 9840958356
PWD	Assistant Engineer	8015396488
TNSCB	Assistant Engineer	6381728841
Highways	Executive Engineer	9566215665

Ward committee - 101 Ward Councillor - 9445467101

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190401
GCC - Electrical	Assistant Engineer	9445190938
GCC- Health	Sanitary Inspector	9445025902
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190601
GCC - Revenue	Tax Collector	9941281407
Revenue	Revenue Inspector	9384094031
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930101
TANGEDCO	Junior Engineer	9445850296
BSNL	Assistant Engineer	9444000567
Fire service	Inspector	7639941189
Police station	Inspector	9840708060-K4, 9940574409-K3, 9840958356-K6
PWD	Assistant Engineer	8015396488 7305550924
TNSCB	Assistant Engineer	9940582769
Highways	Executive Engineer	9566215665

Ward committee - 102

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190402
GCC - Electrical	Assistant Engineer	9445190937
GCC- Health	Sanitary Inspector	9445025902
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190602
GCC - Revenue	Tax Collector	9444305316
Revenue	Revenue Inspector	9384094052
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930102
TANGEDCO	Junior Engineer	9445850296
BSNL	Assistant Engineer	9445390397
Fire service	Inspector	7639941189
Police station	Inspector	9840708060-K4, 9940574409-K3
PWD	Assistant Engineer	8015396488 7305550924
TNSCB	Assistant Engineer	9940582769 9791324160
Highways	Assistant Engineer	9566215665

Ward committee - 103

Ward Councillor - 9445467103

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190403
GCC - Electrical	Assistant Engineer	9445190937
GCC- Health	Sanitary Inspector	9445025903
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190603
GCC - Revenue	Tax Collector	7358643468
Revenue	Revenue Inspector	9384094052
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930103
TANGEDCO	Junior Engineer	9445850294/ 9445850295
BSNL	Assistant Engineer	9445390397
Fire service	Inspector	7639941189
Police station	Inspector	9840708060-K4, 9940574409-K3, K8- 9941310100
PWD	Assistant Engineer	8015396488 7305550924
TNSCB	Assistant Engineer	6381726841
Highways	Executive Engineer	9566215665

Ward committee - 104

Ward Councillor - 9445467104

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190404
GCC - Electrical	Assistant Engineer	9445026123
GCC- Health	Sanitary Inspector	9445025903
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190604
GCC - Revenue	Tax Collector	9380182879
Revenue	Revenue Inspector	9384094052
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930099, 8144930104
TANGEDCO	Junior Engineer	9445850294/ 9445850295
BSNL	Assistant Engineer	9445390397
Fire service	Inspector	7639941189
Police station	Inspector	V5-9600000390
PWD	Assistant Engineer	8015396488 7305550924
TNSCB	Assistant Engineer	9940582769
Highways	Executive Engineer	9566215665

Ward committee - 105

Ward Councillor - 9445467105

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190405
GCC - Electrical	Assistant Engineer	9445190936
GCC- Health	Sanitary Inspector	7904790033
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190605
GCC - Revenue	Tax Collector	9003066312
Revenue	Revenue Inspector	9384094054
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930105
TANGEDCO	Junior Engineer	9445850301
BSNL	Assistant Engineer	9445022403
Fire service	Inspector	7639941189
Police station	Inspector	K8– 9941310100 F5- 9498140577
PWD	Assistant Engineer	9047188751
TNSCB	Assistant Engineer	6381726841
Highways	Executive Engineer	9566215665

Ward committee - 106

Ward Councillor - 9445467106

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190406
GCC - Electrical	Assistant Engineer	9445190936
GCC- Health	Sanitary Inspector	7904790033
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190606
GCC - Revenue	Tax Collector	9941147937
Revenue	Revenue Inspector	9384094054
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930106
TANGEDCO	Junior Engineer	9445850301
BSNL	Assistant Engineer	9445022403
Fire service	Inspector	7639941189
Police station	Inspector	K8– 9941310100 F5- 9498140577 K3- 9940574409
PWD	Assistant Engineer	9047188751
TNSCB	Assistant Engineer	6381726841
Highways	Executive Engineer	9566215665

Ward committee - 107

Ward Councillor - 9445467107

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190407
GCC - Electrical	Assistant Engineer	9445190936
GCC- Health	Sanitary Inspector	7358517216
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190607
GCC - Revenue	Tax Collector	9176017058
Revenue	Revenue Inspector	9384094054
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930107
TANGEDCO	Junior Engineer	9445850427
BSNL	Assistant Engineer	9445022403
Fire service	Inspector	7639941189
Police station	Inspector	K3- 9940574409
PWD	Assistant Engineer	9047188751 7305550924
TNSCB	Assistant Engineer	9940582769
Highways	Executive Engineer	9566215665

Ward committee - 108

Ward Councillor - 9445467108

Name of the department	Designation	Contact Number
GCC -Engineering	Assistant Engineer	9445190408
GCC - Electrical	Assistant Engineer	9445190938
GCC- Health	Sanitary Inspector	7358517216
GCC - Veterinary	Veterinary Assistant Surgeon	9445200612
GCC - Solid waste management	Conservancy Inspector	9445190608
GCC - Revenue	Tax Collector	9789800407
Revenue	Revenue Inspector	9384094032
GCC - Park overseer	Park Supervisor	9445467388
CMWSSB	Assistant Engineer	8144930108
TANGEDCO	Assistant Engineer	9445850301
BSNL	Assistant Engineer	9444743742
Fire service	Inspector	9445086065
Police station	Inspector	G7- 9840669372 G3-9994727274
PWD	Assistant Engineer	7305550924
TNSCB	Assistant Engineer	9940582769 6381728841
Highways	Executive Engineer	9566215665

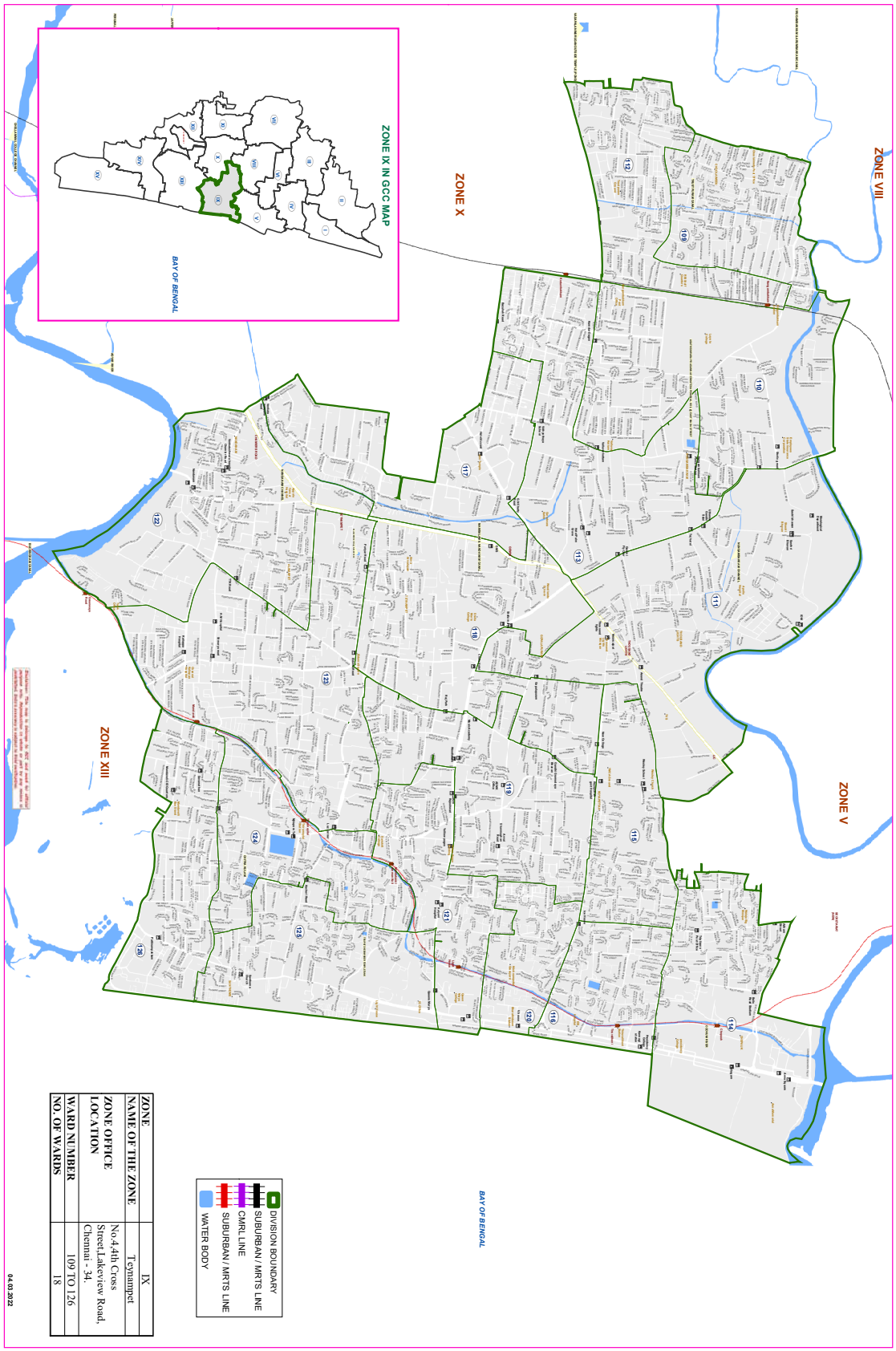
ZONE - IX

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TEYNAMPET

ZONE IX - WARD BOUNDARY



ZONE	IX
NAME OF THE ZONE	Teynampet
ZONE OFFICE LOCATION	No.4,4th Cross Street,Lakeview Road, Chennai - 34.
WARD NUMBER	109 TO 126
NO. OF WARDS	18

Profile

Teynampet zone lies in **Latitude 13.05495**°, Longitude **80.23922**° and covering an area of **25.19 Sq.km**.

There are 1784 roads, out of which 1699 roads to a length of 355.13 Km are Interior Roads, 83 Roads to a length of 70.679 Km are Bus Route Roads which are maintained by GCC and the remaining1 road is under the maintenance of Highways department.

The population is about 7.48 lakhs having Male population of about 50.48% and Female population of about 49.5 % In this zone, The most densed area in the zone is Satthyamoorthy nagar with a population of 46,922 and the least is Ammer Mahal with a population of 35,600. The Ward wise population is given below,

Sl. No	Ward. No/Name	Total House Holds	Total Population
1	109 - Choolaimedu	12000	45593
2	110 - Kosimani Nagar	7317	43899
3	111 – Thousand Light	9000	40232
4	112 -Pulyur	6272	37635
5	113 - Nakkeran Nagar	13000	41751
6	114 - Chepauk	3913	41116
7	115 - Ammer Mahal	4020	35600
8	116 - Triplicane	3500	40605
9	117-Sathyamoorthynagar	7820	46922
10	118 - Royapettah	8341	41706
11	119 - Azat Nagar	6754	40521
12	120 - Krishnamapet	2650	41223
13	121 - Vivekananda nagar	3800	38603
14	122 - Alwarpet	6890	41342
15	123- Beemanpet	9128	45642
16	124 - Mylapore	7348	44090
17	125 - Santhome	7456	44741
18	126 – Avvai Nagar	13735	37152
Total		**132944**	**748373**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	109 to 126	9445467114
2.	Zonal Officer	109 to 126	9445190009

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, fly overs, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Name	Designation	Unit/ Ward.No.	Office Mobile Number
1	Mr.Padmanaban	Executive Engineer 1	Z-9(Unit-25,26)	9445190029
2	Mr.Muthiah	Executive Engineer 2	Z-9(Unit-24,27)	9445190864
3	Mr. Mohan	Assistant Executive Engineer	Unit - 24	9445190124
4	Mr.Jayakumar	Assistant Executive Engineer	Unit - 25	9445190125
5	Mrs.Vidya	Assistant Executive Engineer	Unit - 26	9445190126
6	Mr.VenkateshSiva-nathan	Assistant Executive Engineer	Unit - 27	9445190127
7	Mr.Naveen Kumar	Additional Divisional Engineer, Electrical	109 to 126	9445190049

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl.No.	Name	Designation	Unit/ Ward. No.	Office Mobile Number
1	Mr.Raghu	Conservancy Supervisor	Unit - 24	9445191424
2	Mr.Sarangan	Conservancy Supervisor	Unit - 25	9445191425
3	Mr.Kothandam	Conservancy Supervisor	Unit - 26	9445191426
4	Mr.Parthipan	Conservancy Supervisor	Unit - 27	9445191427
5		Conservancy Inspectors	Div 109-126	9445190609 to 626

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No.	Name	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Dr.Ashalatha	ZonalHealthOfficer	Zone9	9445190069
2	Dr.Azhagarsamy Vijayakumar	Veterinary Surgeon	Zone 9	9445194746
3	Mr.VenkataSivara makumar	Senior Entomologist	Zone9	9841320440
4	Mr.Manjeer Hussain	Sanitary Officer	Unit - 24	9940335285
5	Mr.Selvaraj	Sanitary Officer	Unit - 25	9941052844
6	Mr.Srinivasan	Sanitary Officer	Unit - 26	9444221056
7	Mr,Gopala Krishnan	Sanitary Officer	Unit - 27	9884886066

Parks

There are 36 Parks available in Teynampet zone . These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Remarks
1	9445194729 Park Overseer	Generator Electrical Saw – 3 Nos Petrol Saw – 31Nos Tree Purner - 6 Nos	Mobile vehicle
2	For Emergency use in Div	1 purner	In each Divisions

S.No	Ward	Name Of Ward	Location of the Park
1	109	Choolaimedu	Gill Nagar Park, West Namachivayapuram Park
2	110	Kosimani Nagar	Harrington Road Park, Independence Day Park, Anna Park
3	111	Ayiram Vilakku	Binny Road - Spencer Plaza, Nungambakkam 4th Lane Park, Ko Su Mani Park, Whites Road Park (Sathyam), College Road Park 1, College Road Park 2, Haddows Road Park, College Lane Park
4	112	Pulyur	Anbalagan Park, Chitra Park - Railway Border Road
5	113	Nakkeran Nagar	Kodambakkam High Road Park - Dharmapuram (Lab), Sharma Park, Kodambakkam High Road
6	114	Chepauk	Nepier Bridge Park, Marina Beach
7	116	Triplicane	Dr. Annie Besant Park
8	117	Sathyamoorthynagar	Chari Street Park
9	118	Royapettah	Thiru-vi-ka-Park, G.N.Muthaiah Street Park

S.No	Ward	Name Of Ward	Location of the Park
10	119	Azat Nagar	Parthasarathy Park, C.I.T. Colony 5th Street Park
11	121	Vivekanda Nagar	Thiruvalluvar Park
12	122	Alwarpet	Turnbulls Road
13	123	Beemanpet	R.A.Puram 7th Main Road Park, Dimonte Colony Park, Thiruvalluvar Park, Nageswarao Park
14	125	125 - Santhome	City Centre (OSR)
15	126	126 – Avvai Nagar	Luz Church Road Park, Pattinambakkam Nursury Park
16	114,116, 120,121 &125		Marina Beach Park

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are eight pumping stations available in Teynampet Zone with average capacity of 24 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations aregiven below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps
1	Choolaimedu High Road, Sivan Koil South Street	12.50	280 HP – 4Nos
2	Thomas Road	12.50	280 HP – 3 Nos
3	Thiruvalluvar Salai, Nandanam extn 5th Street	12.50	280 HP – 4 Nos
4	Dr.Besant Road	50	65 Hp ,65 Hp ,75 Hp
5	P.Sivaswami Salai	50	65 Hp ,65 Hp ,75 Hp
6	St.Mary's Road	24	90 HP, 60 HP, 50 HP, 40 HP
7	Vada Aghram 1st Street, East Namachivayapuram	20	40 HP
8	Greams Road	15	125 HP, 75 HP-1, 90 HP-2 , 60 HP-1

Tamilnadu Urban Habitat Development Board

There are 17,008 TNUHDB tenements in 62 locations with a population of 68,032. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl.No.	Ward No	Tenement location	No. of tenement	Population
1	109	Appasamy Mudali Street	64	256
2	115	R.O.B.	16	64
3	119	Shaiva Muthaiah Street	40	160
4	114	Navalar Nagar (Lock Nagar)	304	1216
5	124	Pillaiyarkoil Thottam	240	960
6	125	Kuilthottam	348	1392
7	113	Karumankulam	24	96
8	117	Thiru vi Ka Kudiyurupu	636	2544
9	122	Baruva Nagar	340	1360
10	118	Periyapalayathamman Koil	32	128
11	124	Visalashiammal Estate	646	2584
12	125	EP&MP Street	188	752
13	125	Nochinagar	628	2512
14	113	Valluvar Kudiyiruppu	112	448
15	117	Thyagaraya Salai, Ph-II	72	288
16	117	M.K.Radha Nagar	128	512
17	111	Wallace Garden	128	512
18	118	Thomaiyappan Lane	60	240
19	121	PM Durgah	288	1152
20	123	Kabali Thottam Phase I	124	496
21	124	Sathyavanimuthu Nagar	168	672
22	125	Dooming kuppam	492	1968
23	126	Kuppaimedu	344	1376
24	117	S.S. Puram	256	1024
25	122	Jogi Thottam	256	1024
26	111	Swathanthra Nagar	576	2304
27	115	Nair Varadapillai	24	96
28	123	Pallakumaniyam	1272	5088

Sl.No.	Ward No	Tenement location	No. of tenement	Population
29	124	Mosque Street	100	400
30	125	Selvarajapuram (Salterpuram)	92	368
31	126	Fore Shore Estate	136	544
32	112	Subedar Garden	352	1408
33	113	Gangikaraipuram	176	704
34	117	Thyagaraya Salai, Ph-I	312	1248
35	117	Thyagaraya Salai, Ph-III	120	480
36	117	Thyagaraya Salai, Ph-IV	120	480
37	122	Sathyamoorthy Nagar, Ph-1	256	1024
38	122	Sathyamoorthy Nagar, Ph-1I	384	1536
39	122	Sathyamoorthy Nagar, Ph-1II	480	1920
40	124	Nattan Thottam	266	1064
41	125	Temporary Shelters	936	3744
42	126	Andimaniyam Thottam	522	2088
43	112	Trustpuram	40	160
44	113	Badrikarai	144	576
45	117	Dr. Thomas Road, Ph-I	300	1200
46	117	Dr. Thomas Road, Ph-II	348	1392
47	117	Dr. Thomas Road, Ph-III	464	1856
49	117	Dr. Thomas Road, Ph-IV	96	384
50	122	M.T.B.(R) 39 to 43	208	832
51	122	M.T.B.(R) (46 to 55)	212	848
52	122	M.T.B.(T) (4 to 14)	392	1568
53	122	M.T.B.(R) (15 to 20)	200	800
54	122	M.T.B. (REO) (1 TO 5)	84	336
55	122	M.T.B.(T) 1 to 3	128	512
56	110	Pushpa Nagar	1024	4096
57	117	Nakeerar Nagar	120	480
58	117	North Giriappa Road	208	832
59	117	Ramakamathpuram	426	1704
60	117	Ramakrishnapuram	184	736
61	123	Vanniarpuram	340	1360
62	123	Mudaliandan Thottam	32	128
Total			**17008**	**68032**

Contact details

Department	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	Unit 24	9445191424
Conservancy/GCC	Conservancy Supervisor	Unit 25	9445191424 9445191426 9445191427
Conservancy/GCC	Conservancy Supervisor	Unit 26	9445191426
Conservancy/GCC	Conservancy Supervisor	Unit 27	9445191427
Water Supply& Sewage /CMWSSB	Area Engineer	109 to 126	8144930109 to 126
TNUHDB	Executive Engineer	Slum ward-4,5&6	9445074774, 9445074776, 9842179008
TNUHDB	Executive Engineer	Chennai Spcial Ward-3, Marina Reconstruction	9444112678, 9445074838
Revenue	Tahsildhar	Guindy	9444942823
Revenue	Tahsildhar	Mylapore	9445000487
Fishery Department		109 to 126	9442179819

Water Bodies and Waterways

There are 6 Canals in this zone **(1) Virugambakkam Canal** maintained by PWD which travels for a length of 0.25 km in this zone from Vadaaghram Street to Metha Nagar Bridge and drains into Coovam river **(2)Trustpuram Canal** maintained by GCC travels to a length of 1.04 km from Aroct road to Vannier street junction and melds with Coovam river **(3) Nugambakkam Canal** maintained by GCC flows for a length of 1.43 km through Nugambakkam high road to Greams road and melds to Coovam river. **(4) Buckingam canal** maintained by PWD flows from Bharathi salai to Sringeri Mutt Road to a length of 6.61 km and melds into Adyar river **(5) Mambalam Canal** maintained by GCC flows for a length of 2.00 km througth Vidhyodhaya main road to Venkatanarayana road and drains into Adyar river **(6) Nadanam Canal** maintained by GCC travels to a length of 1.60 km from SM Nagar and reaches the Adyar river.

The Greater Chennai Corporation is doing a massive effort to remove hyacinth and also performing de-silting works in all the canals maintained by them. Storm water drain, rivers & lakes periodically as a precautionary measure for the upcoming monsoon.

Storm Water Drains were constructed by GCC for a distance of 155.97 km to ease the flow of rain water . Most of the Locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies.

The details of various water bodies in this zone is listed below,

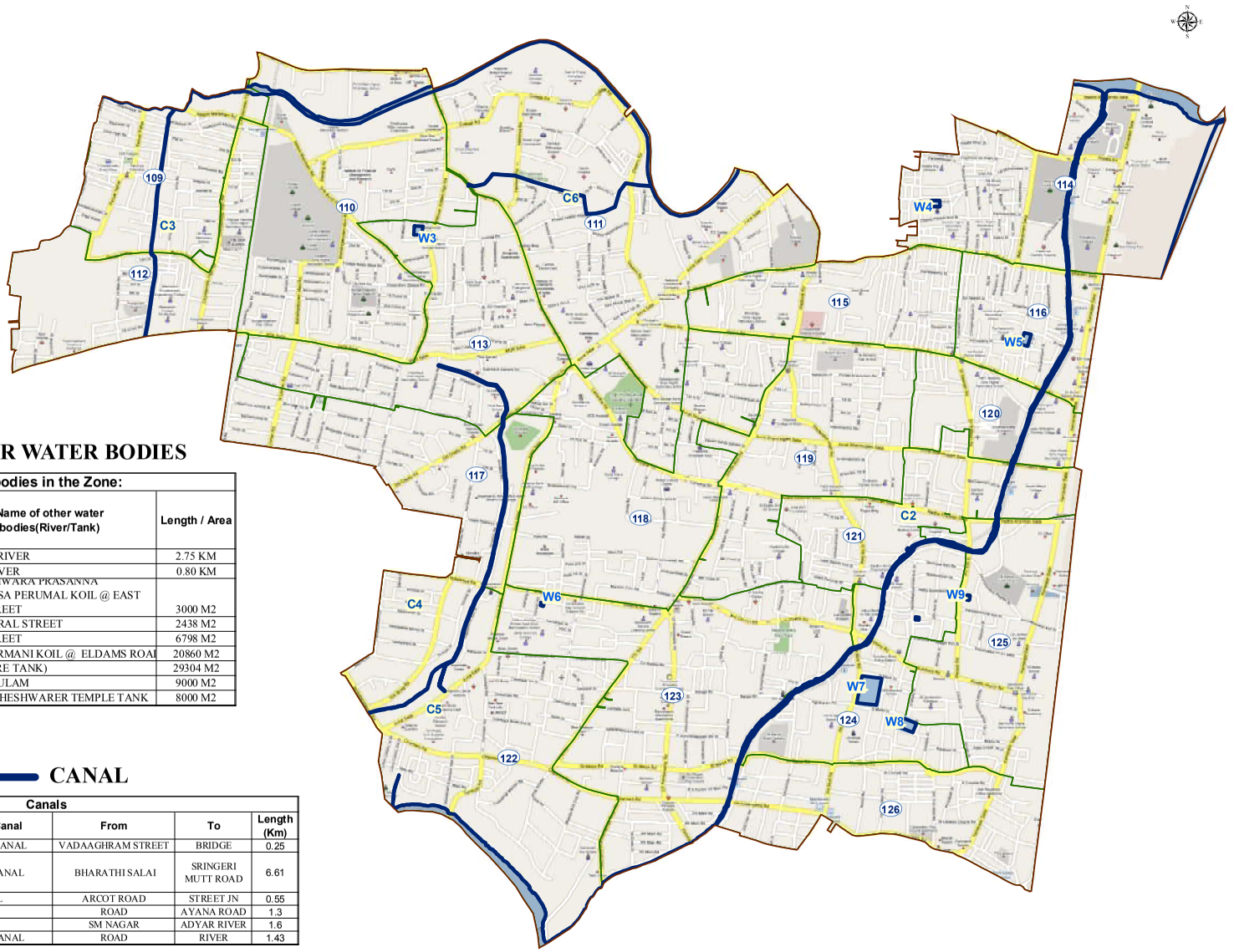
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Virugambakkam Canal	109	Vadaaghram Street	Metha Nagar Bridge	0.25
2	Trustpuram Canal	109, 112	Vannier Street	Coovam River	1.04
3	Nungambakkam Canal	111	Nungambakkam High Road	Coovanm River	1.43
4	Buckingam Canal	114,116,120, 121,122,123, 124,125,126	Bharathi Salai	Sringeri Mutt Road	6.61
5	Mambalam Canal	113, 117, 122	Vidhyodhaya Main Road	Venkat Narayana Road	2.00
6	Nadanam Canal	122	SM Nagar	Adyar River	1.60

Other water bodies

Sl No	Ward No	Name of other water bodies(River/Tank)	Length / Area
1	109 & 111	Coovum river	2.75 km
2	122	Adyar River	0.80 Km
3	113	Agathishwara prasanna Venkatesa Perumal Koil @ East Mada Street	3000 m2
4	114	Thiru Veethi Amman Koil @ Near Subatharal Street	2438 m2
5	116	Parthasarathi Koil @ South Mada Street	6798 m2
6	123	Balasubrmani Koil @ Eldams Road	20860 m2
7	124	Kabalishwarer Temple Tank (Mylapore Tank)	29304 m2
8	124	Chitra Kulam	9000 m2
9	125	Tirupatcheshwarer Temple Tank	8000 m2

ZONE IX - WATER BODIES



OTHER WATER BODIES

Other water bodies in the Zone:			
ID	Ward No	Name of other water bodies(River/Tank)	Length / Area
W1	109 & 111	COOVUM RIVER	2.75 KM
W2	122	ADYAR RIVER	0.80 KM
W3	113	AGATHISHWARA PRASANNA VENKATESA PERUMAL KOIL @ EAST MADA STREET	3000 M2
W4	114	SUBATHARAL STREET	2438 M2
W5	116	MADA STREET	6798 M2
W6	123	BALASUBRMANI KOIL @ ELDAMS ROAD	20860 M2
W7	124	(MYLAPORE TANK)	29304 M2
W8	124	CHITRA KULAM	9000 M2
W9	125	TIRUPATCHESHWARER TEMPLE TANK	8000 M2

CANAL

Canals					
ID	Wards	Name of the Canal	From	To	Length (Km)
C1	109	VIRUGAMBAKKAM CANAL	VADAAGHRAM STREET	BRIDGE	0.25
C2	114,116,120,121, 122,123,124,125, 126	BUCKINGAM CANAL	BHARATHI SALAI	SRINGERI MUTT ROAD	6.61
C3	112	TRUSTPURAM CANAL	ARCOT ROAD	STREET JN	0.55
C4	113,117,122	MAMBALAM CANAL	ROAD	AYANA ROAD	1.3
C5	122	NADANAM CANAL	SM NAGAR	ADYAR RIVER	1.6
C6	111	NUNGAMBAKKAM CANAL	ROAD	RIVER	1.43

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

618 storm water drains to a length of 160.91 km were constructed to ease the flow of rain water inTeynampet zone. The details of SWD are given below.

Sl. No.	Ward No	Total No. of SWDs	Length of SWDs in Km
(1)	(2)	(3)	(4)
1	109	43	10.68
2	110	63	12.10
3	111	52	13.82
4	112	42	7.35
5	113	58	16.36
6	114	27	7.67
7	115	16	3.90
8	116	16	3.60
9	117	37	11.91
10	118	49	16.85
11	119	41	9.91
12	120	9	2.09
13	121	20	6.89
14	122	47	13.01
15	123	45	12.70
16	124	25	5.13
17	125	15	2.27
18	126	13	4.67
Total		**618**	**160.91**

Water stagnated streets in the monsoon 2015 - heavy rain

During the last monsoon, 16 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnations and the actions taken to dispose the rain water in each location is as below,

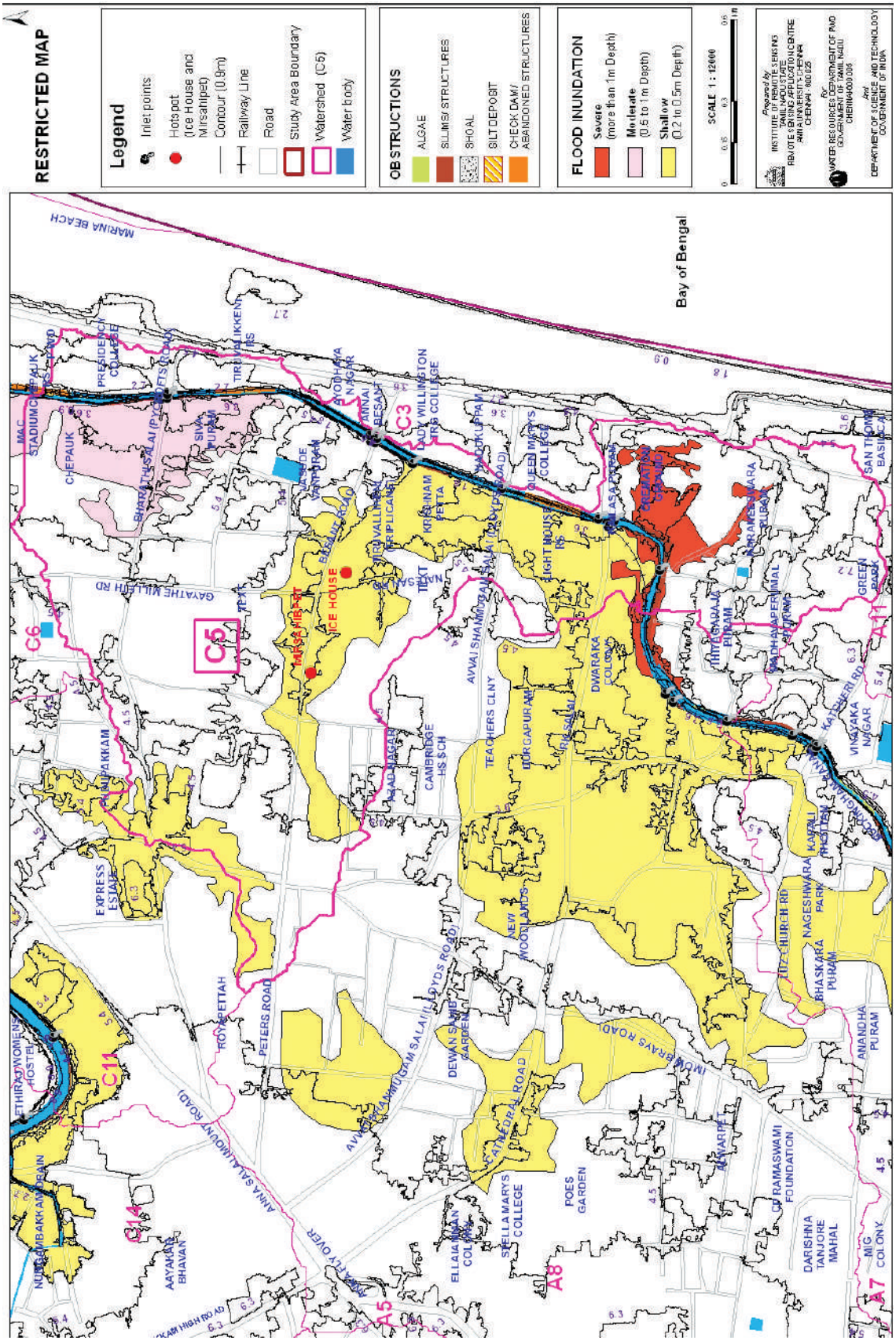
S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	113-Nakkeran Nagar	Habibullah Road	5 HP& 40HP	Habibullah Road	Mamabalam Canal
2	117-Sathyamoorthy Nagar	G.N.Chetty Road	5 HP& 40HP	G.N.Chetty Road	Mamabalam Canal
3	122- Alwarpet	PasumponMuthu Ramalinga (D) Salai	5HP	PasumponMuthu Ramalinga (D) Salai	Mamabalam Canal
4	114- Chepauk	Lock Nagar	5HP	Lock Nagar	B Canal
5	115-Ameer Mahal	Dr.Besant Road	5HP	Dr.Besant Road	B Canal
6	116-Triplicane	Dr.Besant Road	5HP	Dr.Besant Road	B Canal
7	120-Krishnamapet	Dr.Natesan Road	5HP	Dr.Natesan Road	B Canal
8	121- Vivekananda Nagar	Ganeshapuram	5HP	Ganeshapuram	B Canal
9	123- Beemanpet	T.T.K.Road, Seethammal Road	5HP	T.T.K.Road, Seethammal Road	B Canal
10	124- Mylapore	Ramakrishnapuram	5HP	Ramakrishnapuram	B Canal
11	125- Santhome	Karneeshwarer Pokoda Street	5HP	Karneeshwarer Pokoda Street	B Canal
12	126- Avvai Nagar	Santhome High Road	5HP	Santhome High Road	Loop Road

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
13	110- Kosimani Nagar	School Road, Lake Area	5HP	School Road, Lake Area	Jn of Tank bund Road SWD
14	111-Thousand Light	Whites Road, Pattulas Road	2 Nos 5HP	Whites Road, Pattulas Road	Pattulas Road SWD
15	118- Royapettah	Mayor Sundrarao Road, Kasthuri Rangan Road	5HP	Mayor Sundrarao Road, Kasthuri Rangan Road	Jn of G.N Chetty Road
16	119-Azat nagar	AvvaiShanmugam Salai, Lakshmipuram, Sivaswamy Street	5HP	Avvai Shanmugam Salai, Lakshmipuram, Sivaswamy Street	Royapettah High Road SWD

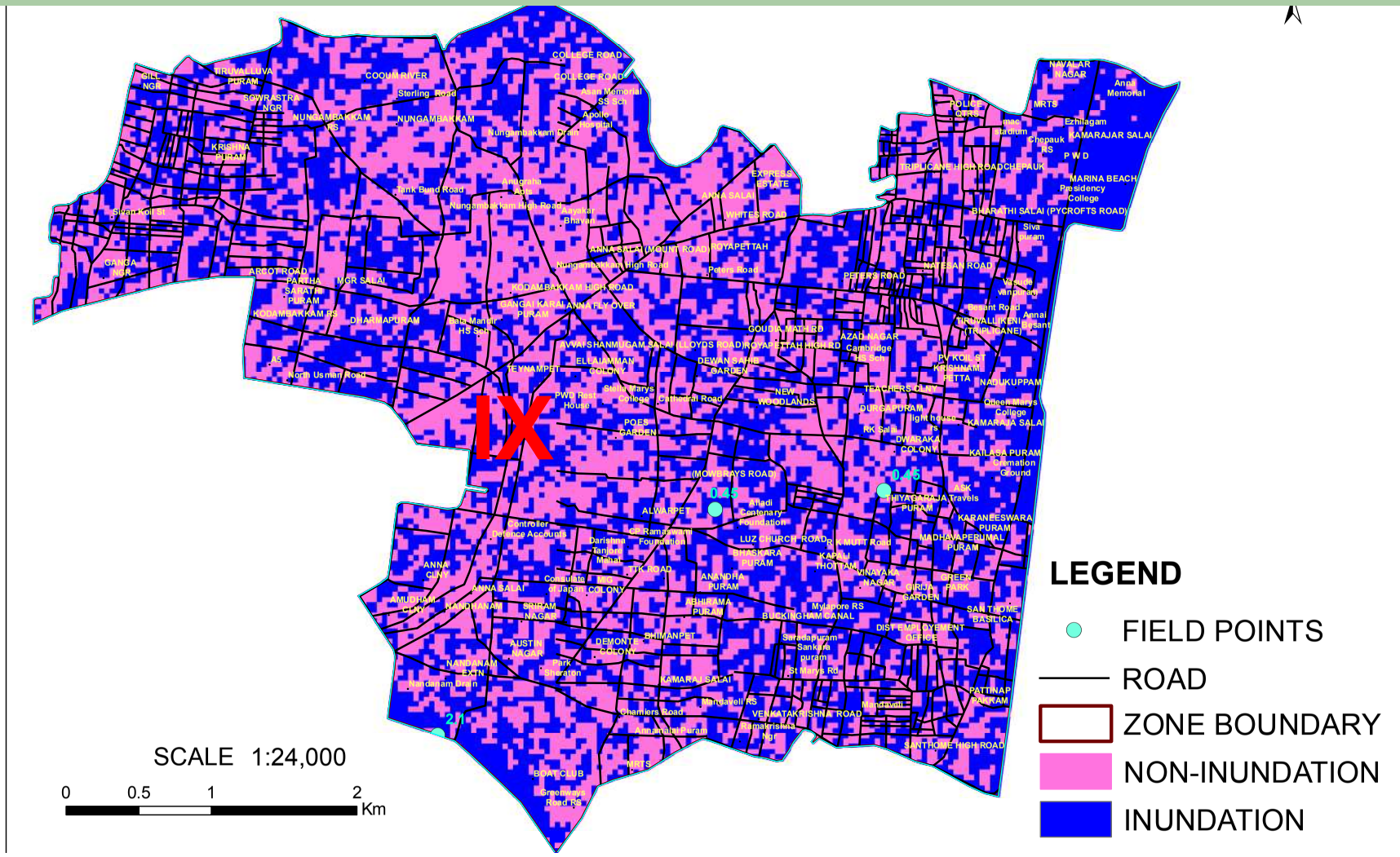


Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

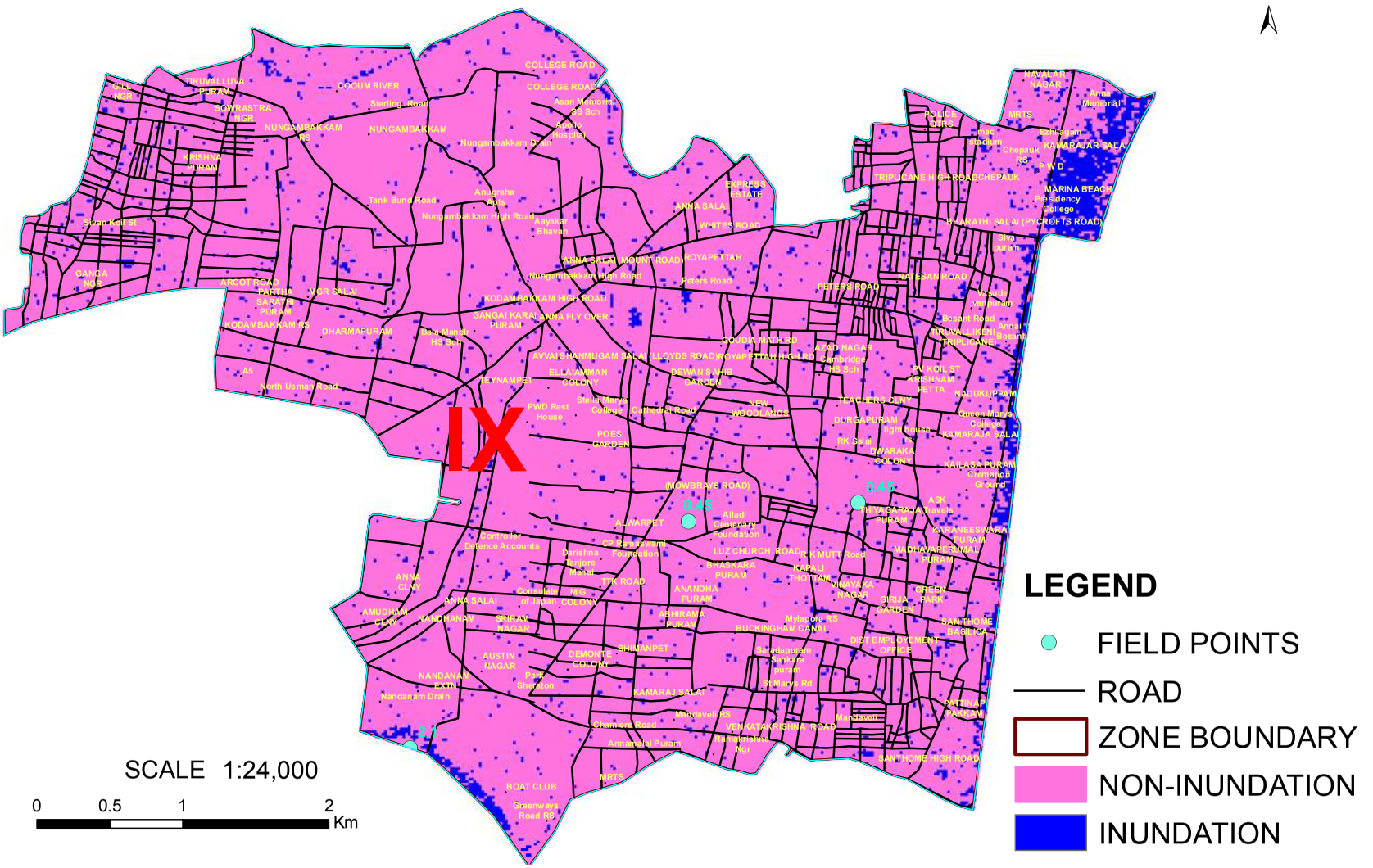
FLOOD INUNDATION MAP FOR TEYNAMPET IN 2005



INUNDATION EXTENT ON 3RD DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE

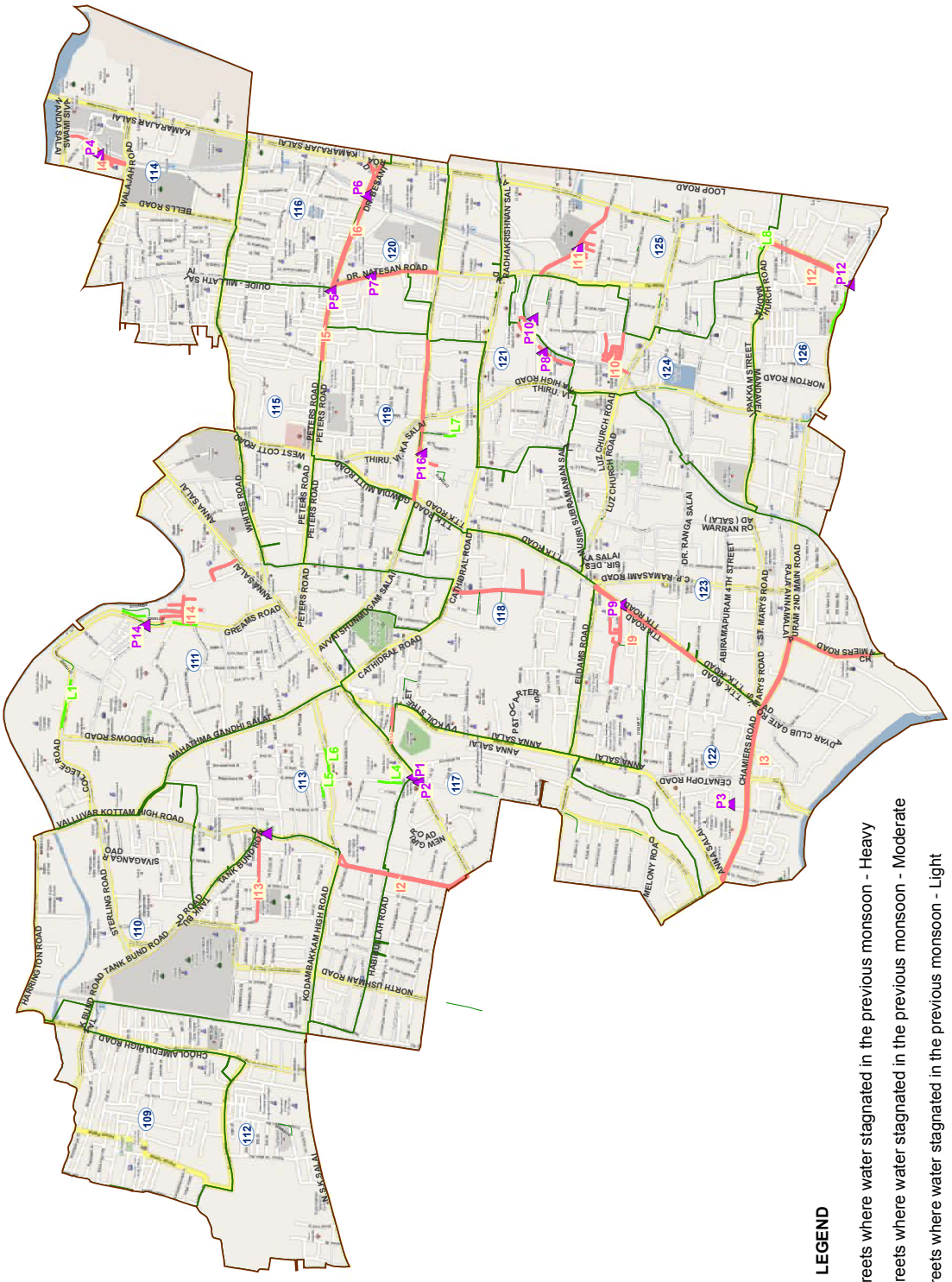


INUNDATION EXTENT ON 7TH DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE



ZONE IX

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Water stagnated streets in the monsoon 2015 - mild rain

S.No.	ward	Name of the Street
1	110	School Road
2	110	Sterling Road
3	111	Whites Road
4	113	Prakasam Salai
5	115	Dr.Besant road (Uruthu School)
6	119	Avvai Shanmugam Salai 1st lane
7	119	Lakshmipuram 2nd Street

Water stagnated streets in the monsoon 2015 -Moderate rain

S.No.	Ward	Name of the Street
1	110	Valluvar kottam High Road
2	110	Tank Bund Road
3	110	Sterling Road
4	110	School Road
5	111	Whites road
6	111	Pattulas Road
7	112	New Vellala Street
8	113	Nungambakkam High road
9	114	Sydoji street jn of bells road
10	115	Devaraj Street Back side Amman Koil
11	116	Dr.Besant Road, Jnc. Of T.P. Koil Street
12	116	Dr.Besant Road, Near Annie Besant Park
13	117	South boag road
14	117	Bharathi nagar Ist street
15	117	North Boag Road
16	118	Cathedral road (service Road)
17	119	Avvai Shanmugam Salai 1st lane
18	119	Lakshmipuram 2 nd street
19	119	P.S.Sivasamy Salai
20	120	Dr. Natesan Road
21	120	Irusappan street
22	121	Dr. R.K. Salai
23	122	Cenatoph road
24	122	Ganesapuram 2nd Street
25	124	R.K Mutt Road (opp to Kabaleeswarar koil tank to railway Station)
26	125	Karaneeswarar Pagoda Street

Stagnation of water in streets due to sewer blocks

Sl No	Ward No./ Name	Name of the Streets	No. of Manholes
1	113-NakkeranNagar	Habibullah Road	1
2	117- Sathyamoorthy Nagar	North Boag road, Cathedral Garden Road	5
3	122 - Alwarpet	Ratna Nagar	2
4	114 - Chepak	Sydoji Street, Abdul Kareem Street	2
5	115 – Ameer Mahal	Thangavelu Street, Shaik Dawood Street	2
6	120 - Krishnamapet	Dr. Natesan Road, V.R. Pillai Street	2
7	121- Vivekananda Nagar	Thiru-vi-ka 2nd Street, Thiru-vi-ka 3rd Street	3
8	112 - Puliyur	Sowrastra Nagar 1st Street, New Vellala street, Trustpuram 1st Cross Street, Sivan Koil South Street	5
9	123 - Beemanpet	Seethammal 1st Main Road, R.A.Puram 3rd Cross Street, R.A.Puram 1st Main Road, Periyar Salai	6
10	124 - Mylapore	Natton Thottam, South Mada Street, Sathiyavani Muthu Nagar, Sarathapuram	4
11	109 - Choolaimedu	Thiruvengadapuaram Main Road	2
12	110 -Kosimani Nagar	Jayalakshmipuram main road	2
13	111-Ayiram Vilakku	Anna Salai, Whites Road	4
14	118 - Royapettah	Chokalingam Colony, Elango Salai	4
15	119 - Azt Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1st Lane, Lakshmipuram 2nd Street	5
16	125 - Santhome	Karneeshwarer koil Street, Karneeshwarer Pogoda Street	4
17	126 – Avvai Nagar	Santhome High Road, 2nd Trust Road, Madha Church Road	4
		Total	**57**

Relief Centres

There are 5 relief centres to a total capacity of 4,450 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl No	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilet	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No
1	109	200	Chennai Primary School, No.35/4, Namashivayapuram, Choolaimedu, Chennai - 600 094	Namashivayapuram & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025909
								Evacuation & Relief Materials	AE	9445190409
								Food & Drinking water	ARO	9361278994
2	111	100	Chennai Middle School Model School Road Thousand Light, Chennai - 600 006	Suhandira Nagar & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025911
								Evacuation & Relief Materials	AE	9445190411
								Food & Drinking water	ARO	9361278994
3	112	150	Chennai Higher Secondary School Choolaimedu High Road, Choolaimedu, Chennai - 600 094	Sowrastra Nagar & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025912
								Evacuation & Relief Materials	AE	9445190411
								Food & Drinking water	ARO	9361278994
4	113	100	Chennai Middle School Dharmapuram T. Nagar, Chennai - 600 017	Dharmapuram surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025913
								Evacuation & Relief Materials	AE	9445190412
								Food & Drinking water	ARO	9361278994
5	114	100	CMS Bells Road, CMS Thyphoon Alikhan Street, Bangaru Street chepauk triplicane Chennai - 600005	Lock Nagar & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025914
								Evacuation & Relief Materials	AE	9445190414
								Food & Drinking water	ARO	9962480316
6	116	100	Chennai Corporation Community Hall, Div-116 V.R. Pillai Street, Triplicane, Chennai - 600 005	Ayothikuppam & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025916
								Evacuation & Relief Materials	AE	9445190416
								Food & Drinking water	ARO	9962480316
7	117	200	Community Hall Giriyappa Road T. Nagar, Chennai - 600 017	Thiru.Vi.Ka Kudiyiruppu & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025917
								Evacuation & Relief Materials	AE	9445190417
								Food & Drinking water	ARO	9361278994

8	118	150	Community Hall S.P.S Koil Sannathi 1st Street, Royapettah, Chennai - 600 018	Thomaiappan Street & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025918
								Evacuation & Relief Materials	AE	9445190418
								Food & Drinking water	ARO	9361278994

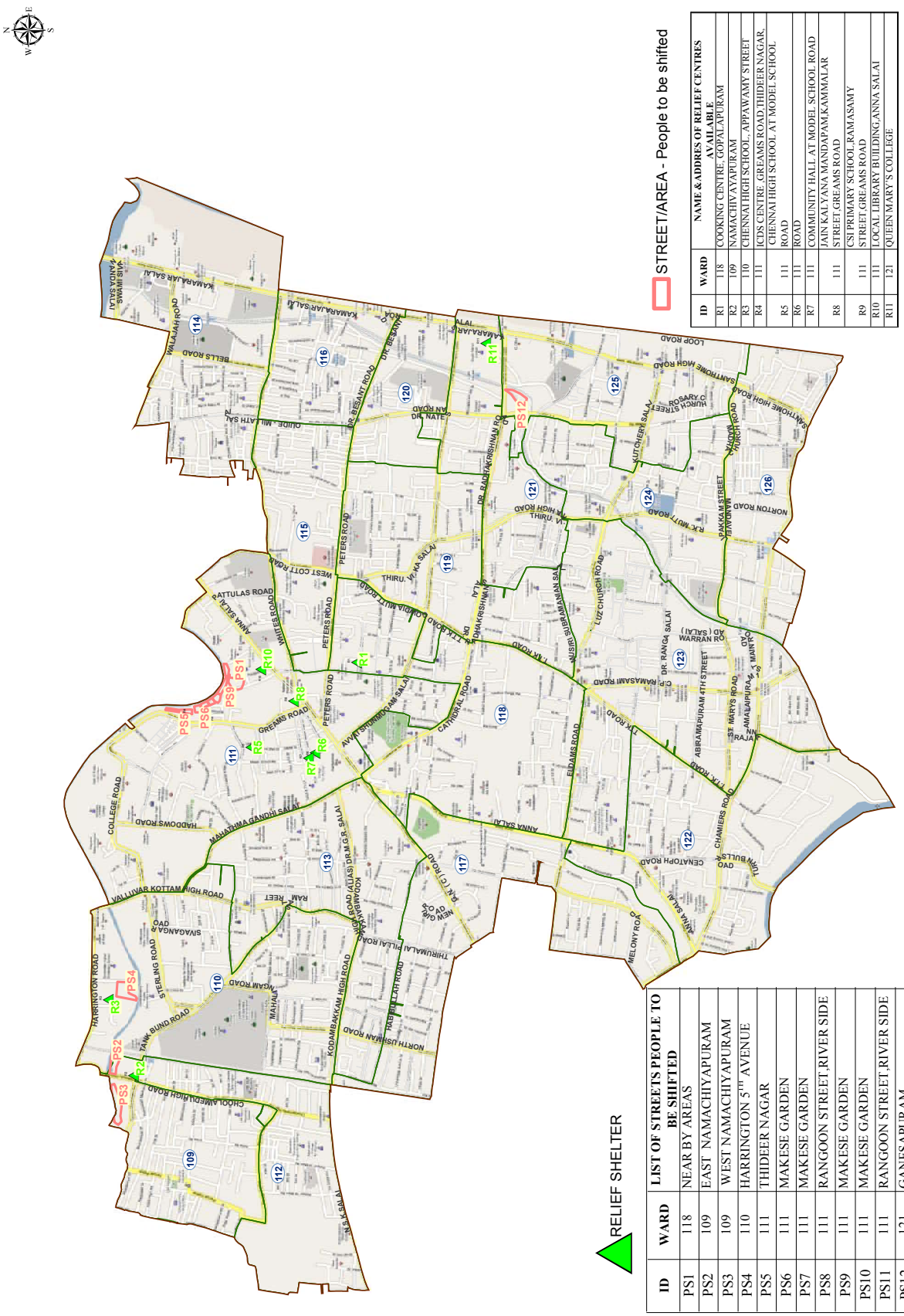
Sl No	Ward No	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilet	Cooking facilities	Responsibilities	Officer in-charge (Designation/	Contact No
9	121	150	Corporation School Veeraperumal Koil Street Mylapore, Chennai - 600 004	Dwaraga Nagar & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025921
								Evacuation & Relief Materials	AE	9445190421
								Food & Drinking water	ARO	9840337249
10	122	150	Community Hall K.B. Dasan Road, Teynampet, Chennai - 600 018	Ganesapuram & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025922
								Evacuation & Relief Materials	AE	9445190422
								Food & Drinking water	ARO	9840337249
11	123	150	Chennai Primary School Beemanna Garden Street, Alwarpet, Chennai - 600 018.	Kabalai Thotam & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025923
								Evacuation & Relief Materials	AE	9445190423
								Food & Drinking water	ARO	9840337249
12	124	150	Chennai Primary School Shanmugam Pillai Street, Mylapore, Chennai - 600 004.	Slaterpuram & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025924
								Evacuation & Relief Materials	AE	9445190424
								Food & Drinking water	ARO	9840337249
13	125	150	Chennai Primary School Kamaraj Salai, Mylapore, Chennai - 600 004.	Nochi Nagr & surrounding Places	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025925
								Evacuation & Relief Materials	AE	9445190425
								Food & Drinking water	ARO	9840337249

Zone-09 - North East Monsoon-2025 - Details of Relief Centres

Sl. No	Ward	Name of the Relief Centre & Address (Road/Street, Location, Area & Pincode)	Capacity of relief centre (No.of person)	Name of the Officials incharge Assr/LI/TC		Overall Supervising Officer (SRO)	
				Name	Mobile no.	Name	Mobile No.
1	109	Chennai Primary School, No.35/4, Namashivaya-puram, Choolaimedu, Chennai - 600 094	200	E. Ravichandran K. Dhatchana moorthy Tax Collector	9941428024 9566140150	M. Govindaraj - SRO	9962480316
2	111	Chennai Middle School Model School Road Thousand Light, Chennai - 600 006	100	K. Dhatchanamoorthy R.F. Nazeer Ahamed Tax Collector	9566140150 9444664578	B. Durairaj - SRO	9361278994
3	112	Chennai Higher Secondary School Choolaimedu High Road, Choolaimedu, Chennai - 600 094	150	N. Vinayagam Tax Collector	8248142376		
4	113	Chennai Middle School Dharmapuram T. Nagar, Chennai - 600 017	100	B. Srinivasan L.Muthukumaran Tax Collector	9042365309 9171832250		
5	117	Community Hall Giriyappa Road T. Nagar, Chennai - 600 017	200	P. Moorthy Tax Collector	9710093655		
6	118	Community Hall S.P.S Koil Sannathi 1st Street, Royapettah, Chennai - 600 018	150	M. Venkatesan Tax Collector	9940296575		
7	114	CMS Bells Road, CMS Thyphoon Alikhan Street, Bangaru Street chepauk trip-licane Chennai - 600005	100	S. Ramesh Tax Collector	9884891156	M. Govindaraj - SRO	9962480316
8	116	Chennai Corporation Com-munity Hall, Div-116 V.R. Pillai Street, Triplicane, Chennai - 600 005	100	P. Veerappan Tax Collector	9884375691		
9	121	Corporation School Veeraperumal Koil Street Mylapore, Chennai - 600 004	150	K. Mugilvannan Tax Collector	9551371401	B. Thirunavu-karasu - SRO	9840337249
10	122	Community Hall K.B. Dasan Road, Teynampet, Chennai - 600 018	150	M. Ranganathan Tax Collector	9080083366		
11	123	Chennai Primary School Beemanna Garden Street, Alwarpet, Chennai - 600 018.	150	V. Babu L.Dhanasekaran Tax Collector	9840293354 8667713415		
12	124	Chennai Primary School Shanmugam Pillai Street, Mylapore, Chennai - 600 004.	150	D. Mahalingam Tax Collector	9841605107		
13	125	Chennai Primary School Kamaraj Salai, Mylapore, Chennai - 600 004.	150	S. Munusamy Tax Collector	8825468892		

ZONE IX

EVACUATION & RELIEF SHELTERS



ID	WARD	NAME & ADDRES OF RELIEF CENTRES AVAILABLE
R1	118	COOKING CENTRE, GOPALAPURAM
R2	109	NAMACHIVAYAPURAM
R3	110	CHENNAI HIGH SCHOOL, APPAWAMY STREET
R4	111	ICDS CENTRE, GREAMS ROAD, THIDEER NAGAR, CHENNAI HIGH SCHOOL AT MODEL SCHOOL
R5	111	ROAD
R6	111	ROAD
R7	111	COMMUNITY HALL AT MODEL SCHOOL ROAD
R8	111	JAIN KALYANA MANDAPAM,KAMMALAR STREET,GREAMS ROAD
R9	111	CSI PRIMARY SCHOOL,RAMASAMY STREET,GREAMS ROAD
R10	111	LOCAL LIBRARY BUILDING,ANNA SALAI
R11	121	QUEEN MARY'S COLLEGE

ID	WARD	LIST OF STREETS PEOPLE TO BE SHIFTED
PS1	118	NEAR BY AREAS
PS2	109	EAST NAMACHIYAPURAM
PS3	109	WEST NAMACHIYAPURAM
PS4	110	HARRINGTON 5TH AVENUE
PS5	111	THIDEER NAGAR
PS6	111	MAKESE GARDEN
PS7	111	MAKESE GARDEN
PS8	111	RANGOON STREET,RIVER SIDE
PS9	111	MAKESE GARDEN
PS10	111	MAKESE GARDEN
PS11	111	RANGOON STREET,RIVER SIDE
PS12	121	GANESAPURAM

Subways

There are three subways in Teynampet zone. The electrical pumps (4HP-2 & 3HP-1) and diesel pumps (5HP -6) are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Name	Length of the subway	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward - 109 Nungambakkam Subway	320	SWD	9 Nos -5HP
2	Ward -114 Uzhaipalar Statue (Pedestrian Subway)	20m	Service Road (Sand Area)	2 Nos – 5HP
3	Ward 116 Kannagi Statue (Pedestrian Subway)	20m	Service Road (Sand Area)	1 No – 3HP (Electrical Motor)

Tree fall

During the last monsoon, in Teynampet zone totally 66 tree/branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	112	Trustpuram 1st to 10th Streets, Sowrastra Nagar
2	113	Kodambakkam High Road, Periyar Street, Josier Street, Habibullah Road
3	117	South Boag Road, G.N.Chetty Road, Thirumalai (P) Road, Thanickachalam Road
4	122	Nandanam Extn 1st to 10th Streets, Seethammal Colony, Seethammal Colony Extn, K.B.Dasan Road
5	114	Mayor Chittibabu Street, Walaja Road, Sivananda Salai
6	115	Soorappa Street
7	116	B.V. Naicken Street, T.P. Koil Street, Dr.Besant Road.
8	120	Illoyds Colony, V.R. Pillai Street, Natesan Road
9	121	V.M.Street, Royapettah Road, P.S.Sivaswami Salai
10	125	Santhome High Road, Kutcheri Road
11	123	Seethammal Main Road, Eldoms Road, C.P.Ram,aswamy Road, Dr.Ranga Road, R.A.Puram 1st & 2nd Main Road, St.Mary's Road
12	124	Kutcheri Road, R.K.Mutt Road, Rakkiappan Street
13	109	Namachivayapuram, Gill Nagar, Nelson Manickam Road in Dn

Sl.No.	Ward	Name of the Streets
14	110	School Road, Lake Area, Lakshmipuram, Kodambakkam High Road, 70ft Scheme Road
15	111	College Road, Greams Road, Modal School Road, Peters Road, Conron Smith Road, Pattulas Road, Whites Road, Aziz Mulk Street
16	118	Binny Road, Poes Garden, Kasthuri Rangon Road, Murreys Gate Road, Varatharajapuram, Rathinam Street, Besant Road,
17	119	Avvai Shanmugam Salai, C.I.T.Colony, V.M.Street

Streets -water entered houses - do not require evacuation

During the last monsson, 28 inundated spots where water entered houses but do nor require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 28 locations were inundated for more than a day by which the normal day to day activity of 4,310 people were standstilled. Flood water from these areas were cleared by using 32 pumps ranging from 5 HP to 30 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	113 - Nakkeran Nagar	Habibullah Road, Gangaikaraipuram, G.N.Chetty Road, Kodambakkam High road, Prakasam Street
2	117-Sathyamoorthy nagar	South Bogh Road, North Bogh Road, Thomas Road, North Giriappa Road, G.N.Chetty Road, Thirumalai (P) Road
3	122 - Alwarpet	Pughs Road, Dr.Radhakrishnapuram, Ganeshpuram, Tank bund Road
4	109 - Choolaimedu	Namachivayapuram in Dn -109
5	123- Beemanpet	R.A.Puram 1st to 7th Streets, Seethammal Road, Seethamal Main road, Seethammal 1st Main Road, Seethammal 2nd Main Road
6	111 – Thousand Light	Makkies Garden, Rangoon Street, Thideer Nagar
7	110 - Kosimani Nagar	Appaswamy Street
8	112 -Pulyur	Nehru Street, Subethar Garden
9	119 - Azat Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1st Lane, P.S.Sivswamy Street, Lakshmipuram 2nd street

Streets that require evacuation

During the heavy flood that occurred in 2015, in Teynampet zone 18,560 people were evacuated from below streets and they were accomodated in relief center are given below. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and location of relief centres are given below.

Sl. No.	ward /Name	Streets	No. of persons	Years	Relief centre
1	113 Nakkeran Nagar	Habibullah Road, Gangaikaraipuram, G.N.Chetty Road, Kodambakkam High road, Prakasam Street	1050	2015	Chennai Middle School Rama Street
2	117 Sathyamoorthy nagar	South Bogh Road, North Bogh Road, Thomas Road, North Giriappa Road, G.N.Chetty Road, Thirumalai (P) Road	1520	2015	Community Centre at Giriappa Road
3	122 Alwarpet	Pughs Road, Dr.Radhakrishnapuram, Ganeshpuram,Tank bund Road	2500	2015	Community Centre at K.B.Dasn Rosd
4	125 Santhome	Ekambaram Street	200	2015	Chennai Middle School at Prof. Sanjeev Street
5	114 Chepauk	Lock Nagar	250	2015	Chennai Middle School – Bangaru Street
6	115 Ameer Mahal	Jaane Jahan Khan 1st street	270	2015	Chennai Middle School – Soorappa Street
7	116 Triplicane	Mattan Kuppam - Canal Street	265	2015	Chennai Middle School – Venkatrangam Street
8	120 Krishnamapet	Hanumanthapuram	350	2015	Chennai Girls High School – Irusappan Street
9	121 Vivekananda Nagar	Ganesapuram North, Ganesapuram South, Balakrishna Street ,	375	2015	Savithri Ammal Oriental school & Chennai High School, V.P.Koil street

Sl. No.	ward /Name	Streets	No. of persons	Years	Relief centre
10	109 Choolaimedu	Namachivayapuram	1800	2015	East Namachivayapuram at Chennai Primary School
11	123 Beemanpet	R.A.Puram 1st to 7th Streets, Seethammal Road, Seethamal Main road, Seethammal 1st Main Road, Seethammal 2nd Main Road	2680	2015	C.P.Ramaswamy Salai at Community Hall
12	111 Thousand Light	Makkies Garden, Thideer Nagar, Rangoon Street	3600	2015	Modal School Road at Chennai High School
13	110 Kosimani Nagar	AppaSwamy Street	300	2015	Appaswamy Street at Chennai Middle School
14	119 Azat Nagar	Avvai Shanmugam Salai, Avvai Shanmugam Salai 1st Lane, P.S.Sivswamy Street, Lakshmipuram 2nd street	3400	2015	Balaji Nagar 3rd Street at Chennai Middle School
		Total	**18560**		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward No	Contact person	
		Designation	Phone number
1	109 to 126	Additional divisional Engineer (Zone)	9445190049
2	109 to 126	Divisional Engineer (HQ)	9445190754
3	118,123	Junior Engineer	9445190943

Sl. No.	Ward No	Contact person	
		Designation	Phone number
4	124,125,126	Junior Engineer	9445190941
5	111,119,121	Junior Engineer	9445190916
6	110,113	Junior Engineer	9445190942
7	109,112	Junior Engineer	9445477694
8	114,115,116,120	Junior Engineer	9445191452

National Disaster Response Force (NDRF)

In Teynapet zone, the NDRF to be stationed locations are given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	109	Thiruvenkatapuam main rd
2	119	Balaji nagar 3rd street,Royapettah,Chennai-600014

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

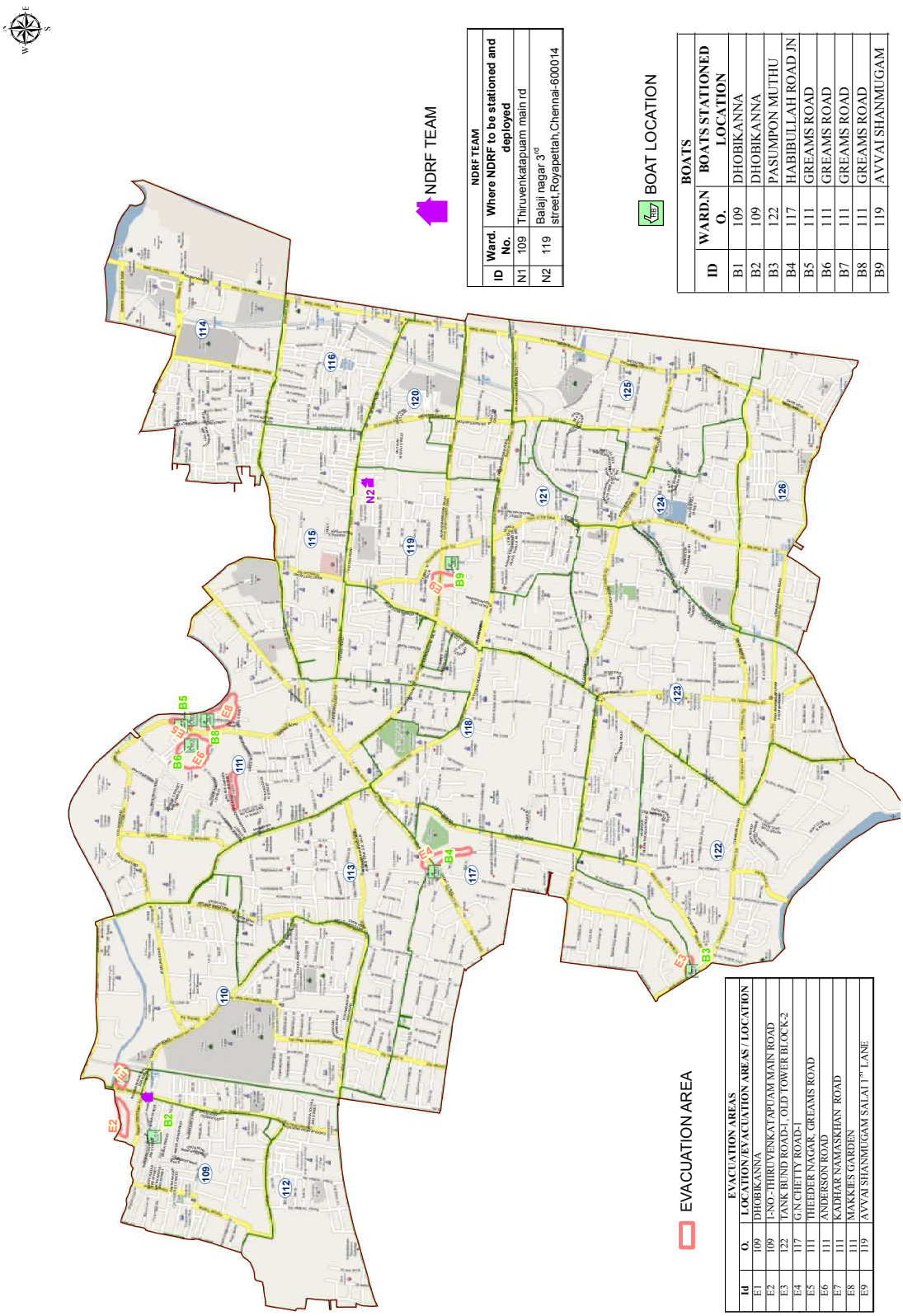
Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	Ward. No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1.	109	1-no.-West Namachivayapuram-Dhobikanna	Dhobikanna	Assistant Engineer 9445190409
2.	109	1-no.-Thiruvenkatapuam main road	Dhobikanna	Assistant Engineer 9445190409
3	122	Tank Bund Road-1, Old Tower Block-2	Pasumpon Muthu Ramalinga Devar Street	Assistant Engineer 9445190422
4	117	G.N.Chetty Road-1	Habibullah Road jn	Assistant Engineer 9445190417
5	111	Theeder nagar, Greams Road	Greams Road	Assistant Engineer 9445190411
6	111	Anderson Road	Greams Road	Assistant Engineer 9445190411
7	111	Kadhar namaskhan Road	Greams Road	Assistant Engineer 9445190411
8	111	Makkies garden	Greams Road	Assistant Engineer 9445190411
9	119	Avvai shanmugam salai 1st lane	Avvai shanmugam salai	Assistant Engineer 9445190419



ZONE IX

NDRF TEAMS & BOAT LOCATIONS



NDRF TEAM		
ID	Ward. No.	Where NDRF to be stationed and deployed
N1	109	Thiruvenkatapuam main rd
N2	119	Balaji nagar 3rd street,Royapettah,Chennai-600014

BOATS		
ID	WARD.NO.	BOATS STATIONED LOCATION
B1	109	DHOBIKANNA
B2	109	DHOBIKANNA
B3	122	PASUMPON MUTHU
B4	117	HABIBULLAH ROAD JN
B5	111	GREAMS ROAD
B6	111	GREAMS ROAD
B7	111	GREAMS ROAD
B8	111	GREAMS ROAD
B9	119	AVVAI SHANMUGAM

EVACUATION AREAS		
Id	O.	LOCATION /EVACUATION AREAS / LOCATION
E1	109	DHOBIKANNA
E2	109	1-NO :-THIRUVENKATAPUAM MAIN ROAD
E3	122	TANK BUND ROAD-I, OLD TOWER BLOCK-2
E4	117	G.N.CHETTY ROAD-I
E5	111	THELDER NAGAR, GREAMS ROAD
E6	111	ANDERSON ROAD
E7	111	KADHAR NAWASKHAN ROAD
E8	111	MAKKIES GARDEN
E9	119	AVVAI SHANMUGAM SALAI 1ST LANE

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 8 debris lorries, 4 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in the zone is given below

No. of lorries and type kept in readiness
Debris lorry - 8 Nos
Skid steer loaders (Bob cat) - 4 Nos
(Front end loader) JCB - 1No

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445190495	1	5	7	4

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1	Zone-9	NIL

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 109
Ward Councillor - 9445467109

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190409
GCC - Electrical	Assistant Engineer	9445191492
GCC- Health	Sanitary Inspector	9445025910
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190609
GCC - Revenue	Tax Collector	9841249399, 9840017368
Revenue	Revenue Inspector	9444299152
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930109
TANGEDCO	Junior Engineer	9445850214
BSNL	Assistant Engineer	9445018645
Fire service	Inspector	9840743100
Police station	Inspector	9498143582
PWD	Assistant Engineer	9884219380
TNUHDB	Assistant Engineer	9444612219
Highways	Divisional Engineer	044 23635123

Ward committee - 110

Ward Councillor - 9445467110

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190410
GCC - Electrical	Assistant Engineer	9445190942
GCC- Health	Sanitary Inspector	9445025910
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190610
GCC - Revenue	Tax Collector	9840552973
Revenue	Revenue Inspector	9677247073
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930110
TANGEDCO	Junior Engineer	9445950297
BSNL	Assistant Engineer	9444933222
Fire service	Inspector	9840743100
Police station	Inspector	9442641913
PWD	Assistant Engineer	9884219380
TNUHDB	Assistant Engineer	9894576761
Highways	Divisional Engineer	9080141819

Ward committee - 111

Ward Councillor -9445467111

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190411
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	9445025911
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190611
GCC - Revenue	Tax Collector	9884804510, 9176134900
Revenue	Revenue Inspector	8838688805
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930118
TANGEDCO	Junior Engineer	9445850758, 9445850759 9445850760
BSNL	Assistant Engineer	9444056413
Fire service	Inspector	9840743100
Police station	Inspector	9940652990
PWD	Assistant Engineer	9884219380
TNUHDB	Assistant Engineer	7845667415
Highways	Divisional Engineer	9789965555

Ward committee – 112
Ward Councillor -9445467112

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190412
GCC - Electrical	Assistant Engineer	9445477694
GCC- Health	Sanitary Inspector	9445025912
GCC - Veterinary	Veterinary Assistant Surgeon	9445025913
GCC - Solid waste management	Conservancy Inspector	9445190612
GCC - Revenue	Tax Collector	7200338299
Revenue	Revenue Inspector	9444299152
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930112
TANGEDCO	Junior Engineer	9445850213 9445850215
BSNL	Assistant Engineer	9445017081
Fire service	Inspector	9944508412
Police station	Inspector	9840864764
PWD	Assistant Engineer	044-28523007
TNUHDB	Assistant Engineer	9095146146
Highways	Divisional Engineer	044-24330008 28525351

Ward committee - 113
Ward Councillor -9445467113

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190413
GCC - Electrical	Assistant Engineer	9445190942
GCC- Health	Sanitary Inspector	9445025912
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190613
GCC - Revenue	Tax Collector	9710680940
Revenue	Revenue Inspector	9840258713
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930113
TANGEDCO	Junior Engineer	9445850756
BSNL	Assistant Engineer	9444970157
Fire service	Inspector	9498129629
Police station	Inspector	9894641919
PWD	Assistant Engineer	9498129626
TNUHDB	Assistant Engineer	9498126850
Highways	Divisional Engineer	044 – 28525351

Ward committee - 114
Ward Councillor -9445467114

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190414
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9080306614
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190614
GCC - Revenue	Tax Collector	9382171451
Revenue	Revenue Inspector	9003011922
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930114
TANGEDCO	Junior Engineer	9445850703
BSNL	Assistant Engineer	9445035599
Fire service	Inspector	9498129626
Police station	Inspector	9498127127
PWD	Assistant Engineer	044 – 28525351
TNUHDB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 115
Ward Councillor -9445467115

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190415
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9080306614
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746, 8682997846
GCC - Solid waste management	Conservancy Inspector	9445190615
GCC - Revenue	Tax Collector	9841896119
Revenue	Revenue Inspector	7845187905
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930120
TANGEDCO	Junior Engineer	9445850755
BSNL	Assistant Engineer	044-28605200
Fire service	Inspector	9498129626
Police station	Inspector	9498113890
PWD	Assistant Engineer	044-28523007
TNUHDB	Assistant Engineer	8838403494
Highways	Divisional Engineer	044-23635123

Ward committee - 116
Ward Councillor -9445467116

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190416
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9445025915
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190615
GCC - Revenue	Tax Collector	9884375691
Revenue	Revenue Inspector	9444339144
GCC - Park overseer	Park Supervisor	9445194753
CMWSSB	Assistant Engineer	8144930116
TANGEDCO	Junior Engineer	9445850752
BSNL	Assistant Engineer	044 – 28605200
Fire service	Inspector	9498129626
Police station	Inspector	9498126052
PWD	Assistant Engineer	044 – 28525351
TNUHDB	Assistant Engineer	9444123957
Highways	Divisional Engineer	044 – 23635123

Ward committee – 117
Ward Councillor -9445467117

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190417
GCC - Electrical	Assistant Engineer	9445191492
GCC- Health	Sanitary Inspector	9445825922
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190617
GCC - Revenue	Tax Collector	9710093655
Revenue	Revenue Inspector	9445190709
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930117
TANGEDCO	Junior Engineer	9445850764, 9445850765 9445850763, 9445850756
BSNL	Assistant Engineer	9444975200
Fire service	Inspector	9445086045
Police station	Inspector	9498143421, 9498143386
PWD	Assistant Engineer	9840624481
TNUHDB	Assistant Engineer	9486543733
Highways	Divisional Engineer	9789965555

Ward committee - 118

Ward Councillor -9445467118

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190418
GCC - Electrical	Assistant Engineer	9445191452
GCC- Health	Sanitary Inspector	9445025921
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190618
GCC - Revenue	Tax Collector	9841429704
Revenue	Revenue Inspector	9444379899
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930118
TANGEDCO	Junior Engineer	9445850773
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086048
Police station	Inspector	9498143421
PWD	Assistant Engineer	9840624481
TNUHDB	Assistant Engineer	9842182553
Highways	Divisional Engineer	044 – 23637008

Ward committee - 119

Ward Councillor -9445467119

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190419
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	9445025919
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190619
GCC - Revenue	Tax Collector	9042365309
Revenue	Revenue Inspector	9087178677
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930119
TANGEDCO	Junior Engineer	9445850751
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9445086047
Police station	Inspector	7904639011
PWD	Assistant Engineer	044 – 28410402
TNUHDB	Assistant Engineer	8838403494
Highways	Divisional Engineer	044 – 23635123

Ward committee - 120
Ward Councillor -9445467120

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190420
GCC - Electrical	Assistant Engineer	9445191521
GCC- Health	Sanitary Inspector	9445025920
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190620
GCC - Revenue	Tax Collector	9444442278
Revenue	Revenue Inspector	7845187905
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930120
TANGEDCO	Junior Engineer	9445850753
BSNL	Assistant Engineer	044 – 28605200
Fire service	Inspector	9445086047
Police station	Inspector	9840450400
PWD	Assistant Engineer	044 – 2852351
TNUHDB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 121
Ward Councillor -9445467121

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190421
GCC - Electrical	Assistant Engineer	9445190916
GCC- Health	Sanitary Inspector	8825640520
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	8637496456
GCC - Revenue	Tax Collector	8124554242
Revenue	Revenue Inspector	9003011922
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930121
TANGEDCO	Junior Engineer	9445850742
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086047
Police station	Inspector	9498126549
PWD	Assistant Engineer	044 – 28525351
TNUHDB	Assistant Engineer	044 – 28441430
Highways	Divisional Engineer	044 – 23635123

Ward committee - 122
Ward Councillor -9445467122

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190422
GCC - Electrical	Assistant Engineer	9445191492
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445194746
GCC - Solid waste management	Conservancy Inspector	9445190622
GCC - Revenue	Tax Collector	9080728941
Revenue	Revenue Inspector	9962024401
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930122
TANGEDCO	Junior Engineer	9445820772
BSNL	Assistant Engineer	9444918877
Fire service	Inspector	9445086048
Police station	Inspector	9498143421
PWD	Assistant Engineer	044 – 28525351
TNUHDB	Assistant Engineer	9894576761
Highways	Divisional Engineer	044 – 23635123

Ward committee - 123
Ward Councillor -9445467123

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190423
GCC - Electrical	Assistant Engineer	9445190943
GCC- Health	Sanitary Inspector	9445025923
GCC - Veterinary	Veterinary Assistant Surgeon	9445190913
GCC - Solid waste management	Conservancy Inspector	9445190623
GCC - Revenue	Tax Collector	988701988
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930123
TANGEDCO	Junior Engineer	9445850743, 9445850744, 9445850773
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9445086048
Police station	Inspector	9498126549, 9498195919, 9840223452
PWD	Assistant Engineer	9444487385
TNUHDB	Assistant Engineer	9444015401
Highways	Divisional Engineer	044 – 23635123

Ward committee - 124
Ward Councillor -9445467124

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190424
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190624
GCC - Revenue	Tax Collector	9884701988
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930124
TANGEDCO	Junior Engineer	9445850749
BSNL	Assistant Engineer	9444979329
Fire service	Inspector	9791290456
Police station	Inspector	044 – 23452562
PWD	Assistant Engineer	9444487385
TNUHDB	Assistant Engineer	9444123957
Highways	Divisional Engineer	044 – 23635123

Ward committee – 125
Ward Councillor -9445467125

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190425
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025922
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190625
GCC - Revenue	Tax Collector	9381203115
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930125
TANGEDCO	Junior Engineer	9445850748, 9445850741, 9445850746
BSNL	Assistant Engineer	9444377799
Fire service	Inspector	9445086047
Police station	Inspector	9498179971
PWD	Assistant Engineer	9444487385
TNUHDB	Assistant Engineer	9484063099
Highways	Divisional Engineer	044 – 23635123

Ward committee - 126
Ward Councillor -9445467126

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190426
GCC - Electrical	Assistant Engineer	9445190941
GCC- Health	Sanitary Inspector	9445025925
GCC - Veterinary	Veterinary Assistant Surgeon	9445190689
GCC - Solid waste management	Conservancy Inspector	9445190625
GCC - Revenue	Tax Collector	9884498321
Revenue	Revenue Inspector	9791290456
GCC - Park overseer	Park Supervisor	9445194729
CMWSSB	Assistant Engineer	8144930126
TANGEDCO	Junior Engineer	9445850741, 9445850746, 9445850746
BSNL	Assistant Engineer	9445010819
Fire service	Inspector	9791290456
Police station	Inspector	044 – 23452575
PWD	Assistant Engineer	9444487385
TNUHDB	Assistant Engineer	9445074843, 9445074844
Highways	Divisional Engineer	044 – 23635123

ZONE - X

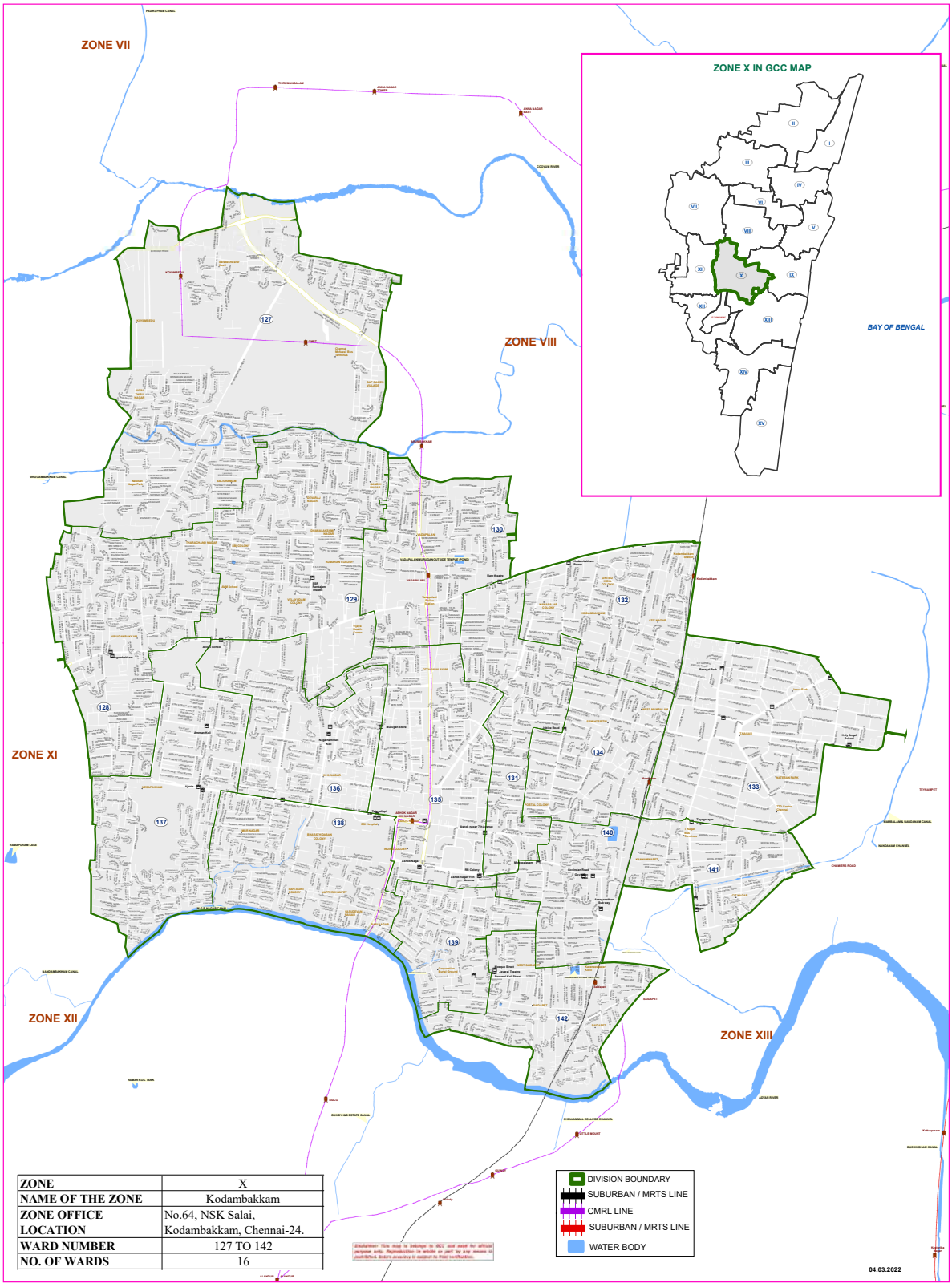
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KODAMBAKKAM

ZONE X - WARD BOUNDARY

GREATER CHENNAI CORPORATION
ZONE - X
TN GOVT. GAZATTE NO.408 DATED:14.12.2018



ZONE	X
NAME OF THE ZONE	Kodambakkam
ZONE OFFICE LOCATION	No.64, NSK Salai, Kodambakkam, Chennai-24.
WARD NUMBER	127 TO 142
NO. OF WARDS	16

Profile

The Kodambakkam zone lies in **Latitude** 13.0481°, Longitude **80.2267**° and covering an area of **22.40 Sq.km**.

There are 2402 roads, out of which 2,305 roads to a length of 393.29km are Interior Roads, 88 Roads to a length of 46.52Km are Bus Route Roads which are maintained by GCC and the balance 6 roads are under the maintenance of Highways Department.

The population is about 8.79 lakhs having Male population of 50.41% and Female population of 49.59 %. In this zone, the most densed area is ward 138 with a population of 59,900 and the least is ward 137 with a population of 47,620. The Ward wise population are listed below,

Sl.No.	Ward No/Name	Total House Holds	Total Population
1	127/Koyambedu	14306	57224
2	128/Virugambakkam	14125	56500
3	129/Saligramam	14491	57964
4	130/Vadapalani	14958	59832
5	131/ K.K.Nagar	14125	56500
6	132/Ashok Nagar	13675	54700
7	133/ Ram Colony	14233	56932
8	134/ Kodambakkam	13156	52624
9	135/ThambaiahRaod	12784	51136
10	136/ T.Nagar	14055	56220
11	137/ K.K.Nagar	11905	47620
12	138/Jafferkhanpet	14975	59900
13	139/R.R.Colony	13423	53692
14	140/Saidapet	12377	49508
15	141/V.O.C.Nagar	14399	57596
16	142/ Saidapet	12911	51647
	TOTAL	**219898**	**879595**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by Two Executive Engineers, Two Assistant Revenue Officers and one Zonal Health officer. They are equipped with supporting sub-ordinate staff. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them. The Zonal officer contact number is below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	127 to 142	9445190010

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	127 to 130 & 131,132,134 & 135	9445190030
2	Executive Engineer-2	133, 136 to 142	9445191466
3	Assistant Executive Engineer	137, 138,	9445190128
4	Assistant Executive Engineer	127, 129, 130	9445190129
5	Assistant Executive Engineer	133, 140 & 141	9445190130
6	Assistant Executive Engineer	132 & 135	9445190131
7	Assistant Executive Engineer	128, 136	9840224810
8	Assistant Executive Engineer	134 & 142	8072873216
9	Assistant Executive Engineer	131 & 139	7299382267
10	Additional Divisional Engineer, Electrical	127 to 142	9445190050
11	Assistant Executive Engineer, Mechanical	127 to 142	9894333506

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservancy supervisor	133,141,142,	9445191430

Public Health & Disease Control

The Public Health department at Zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners..

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Sanitary Inspectors , Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staffs to report on complaints on any such issues is given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone X	9445190070
2	Veterinary Surgeon	Zone X	9445026045
3	Junior Entomologist	Zone X	9962371157
4	Sanitary Officer	U-28	9445190468
5	Sanitary Officer	U-29	9445190469
6	Sanitary Officer	U-30	9445190470
7	Sanitary Officer	U-31	9445025471

Parks

There are 52 Parks available in Koyembedu, Virugambakkam, Saligramam, K.K.Nagar, Ashok Nagar, T.Nagar and Kodambakkam. These parks are serve as buffer Zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone are given below,

Sl. No.	Team member contact No.	Equipment available	Area of operation
1	Park Overseer 9445194751	4 Nos - Power Saw (petrol engine Motorised), 2-Stick saw (Manual)	Kodambakkam& Vadapalani Koyambedu, T.Nagar & K.K.Nagar

S.No	WardNo	WardName	Name/LocationofthePark
1	127	Koyambedu	SAF Games Village (12 Parks),NatesanNagar Park, Jai Nagar Park
2	128	Virugambakkam	Annaji Nagar 2nd Main Road, Lambert NagarII Main Road
3	129	Saligaramam	Abusali Road, Arcot Road, PillaiyarKoil Street,K.R.Nagar, Bhaskar Colony, Navalar Park, Navalar Street
4	132	Kodambakkam	Corporation Colony Main Road, United IndiaColony Park View Road,
5	133	T.Nagar	Jeeva Park, G.N.Chetty Road; Natesan Park, Venkatnarayana Road; Panagal Park,Bashyam Road
6	135	Ashok Nagar	1st Avenu Park, 12th Avenue, 14th Sector,15th Sector, 53rd Street
7	136	K.K.Nagar	P.T.Rajan Salai(Sivan park)
8	137	K.K.Nagar	4th Sector K.K.Nagar, 11th Sector K.K.Nagar,Errikarai Street, 12th Sector
9	138	Jafferkhanpet	Bharathidasan Colony 5th Street,Bharathidasan Colony 6th Street
10	139	R.R.Colony	CIT Nagar 3rd Main Road
11	140	Saidapet	EllaiammanKoil Street, Kodambakkam Road(Amma Park)
12	141	V.o.c Nagar	CIT Nagar 3rd Main Road
13	142	Saidapet	West Jones Road, ThadiRathinam Street

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are 24 pumping stations available in this Zone with different pumping capacity for each pumping station. These sewage pumping stations are being maintained by CMWSSB. The details of the sewage pumping stations are given below,

Sl. No.	Pumping Station	Capacity MLD	No. of pumps	
			H P	Nos
1	Nesapakkam(Relay)	120	430 215 125	2 2 1
2	T.Nagar (Relay)	24	100/200 175 75	1 2 1
3	CIT Nagar	14	215 100	1 1
4	Kodambakkam	13	100 75	2 1
5	Saidapet (Section- B)	20	150	3
6	West Arumbakkam	12.10	90 50 75	1 1 1
7	Jafferkhanpet	12	120 70	1 1
8	Saligramam	24	40 60 95 55	1 2 2 1
9	Saidapet (Section- A)	6.50	70 75	3 1
10	JaiBalaji Nagar	4.00	40 20	1 2
11	K.K Nagar (Section – B)	14.40	50	2
12	Virugambakkam	17.00	60 40	2 2
13	Ashok Nagar	4.10	12	2
14	Sathyamoorthy Block	6.90	7	3

Sl. No.	Pumping Station	Capacity MLD	No. of pumps	
			H P	Nos
15	Bharathidasan colony	6.90	7.5 10	1 2
16	ThiruNagar	8.00	10	3
17	Gothamedu	1.60	15 15	11
18	Kulasekarapuram	2.50	25	2
19	Gandhi Nagar	1.40	12	3
20	Alagiri Nagar	6.90	10	1
21	Abith colony	0.86	5	2
22	VOC Nagar	2.42	15 7.5	1 1
23	Annaisathya Nagar	2.00	7	2
24	SamiyarThotam	0.86	7	2
		Total		**77Nos**

Tamilnadu Urban Habitat Development Board

There are 15 TNUHDB tenements in K.K.Nagar, Ashok Nagar & Saidapet with a population of 39,098. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and sewage issues inside these tenements. The respective officers may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No./Name	Tenement location	No. of tenements	Population
1	131/ K.K.Nagar	Rani Anna Nagar	1750	6600
2	131/ K.K.Nagar	Sivalingapuram	400	1600
3	132/ Ashok Nagar	Ottagapalayam	195	780
4	132/ Ashok Nagar	Pudur	4125	16000
5	133/ RamColony	Nallankuppam	456	2000
6	133/ RamColony	Ashok Nagar 10Th & 14Th Street	448	1350
7	135/ Thambaiah Road	Brindavan Street	190	760
8	137/ K.K.Nagar	Thiruvalluvar Colony	160	640
9	139/ R.R.Colony	R.V Nagar	64	260
10	140/ Saidapet	VazhaiThoppu	328	1320
11	140 / Saidapet	AdhikesavaPerumalThottam	112	448
12	141/V.O.C.Nagar	Kamaraj Colony	365	1460
13	141/V.O.C.Nagar	Lalithapuram	112	450
14	142/Saidapet	Kothavalchavadi Slum Board	448	1790
15	142/Saidapet	Godhamedhu Slum Board	910	3640
		Total	**10063**	**39098**

Contact details

Name of the Organisation	Designation	Area	Contact No.
Conservancy/GCC	Conservancy Supervisor	Zone10	9445191430
Water Supply& Sewage /CMWSSB	Assistant Engineer	Area Engineer	8144930910
TNUHDB	Executive Engineer	Zone 10	9445074776

Water Bodies and Waterways

There are 4 Canals , (1) Virugambakkam canal is being maintained by PWD which enters this zone through Natesan Nagar travels about 5 Km within the zone upto Vadapalani Thiru nagar and disposes at Coovam river via Choolaimedu. (2) M.G.R. canal is being maintained by GCC having a length of 1.60 km originates from Ramaswamy salai and drains water mainly from K.K.Nagar, Virugambakkam and Valasaravakkam areas to Adyar river through Chulai pallam. (3) Jafferkhanpet canal is being maintained by GCC commences from R.V.Nagar Slum Clearance Board and travels about 0.80 km and drains rainwater from saidapet and Ashok Nagar areas through Muthurangam block to Adayar river. (4) Part of Mambalam Canal is being maintained by GCC to a length of.0.90 km,are travels from venkatnarayana road to CIT Nagar main road which disposes the rain water from CIT Nagar,T.Nagar ,Saidapet and part of Nungambakkam areas into Adyar river..

Greater Chennai Corporation is doing a massive work to remove hyacinth and de-silting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure.

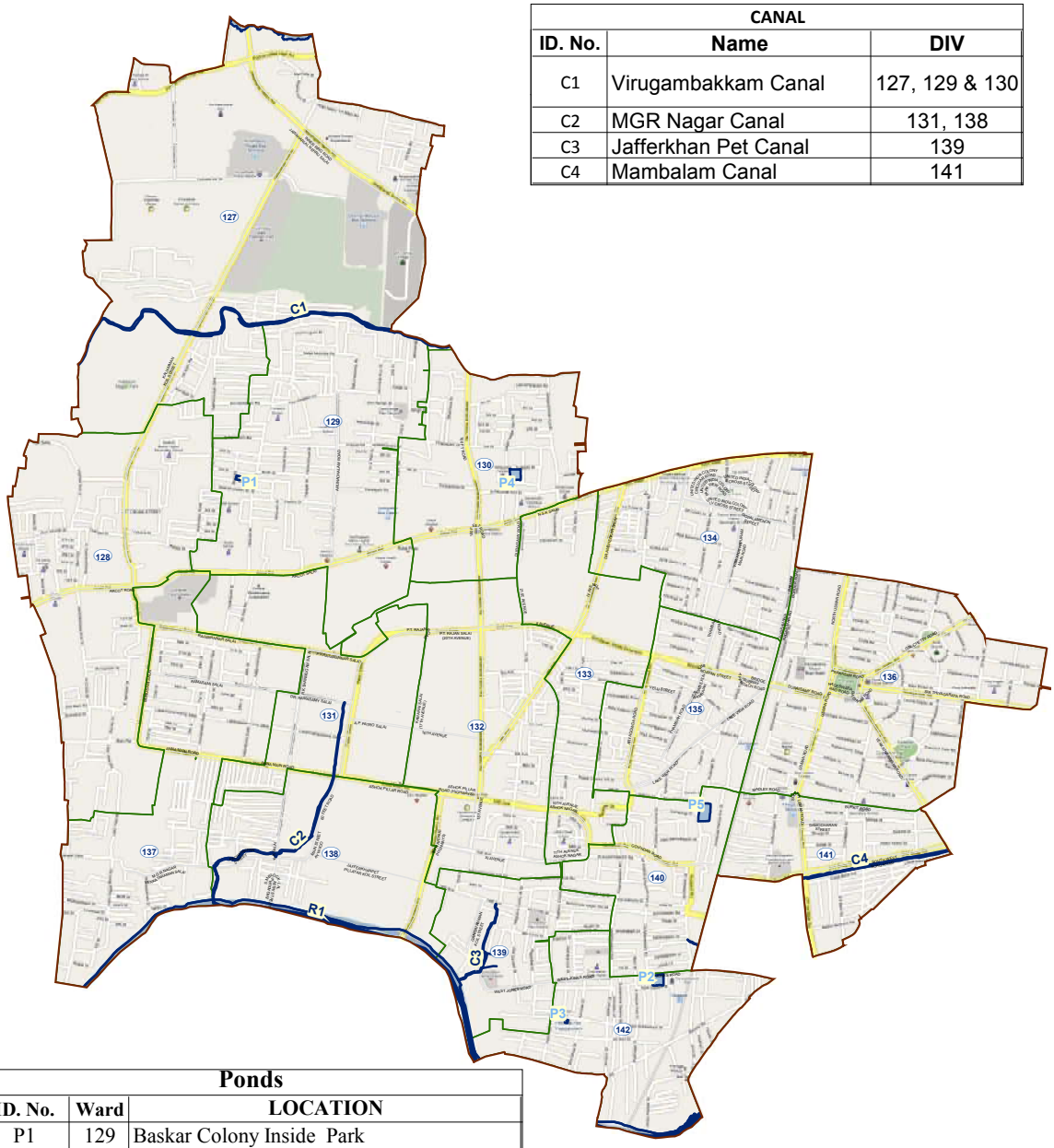
Storm Water Drains were constructed by GCC for a distance of 195.93 km to ease the flow of rain water. The details of various water bodies in this zone is listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length (Km)
1	Virugambakkam Canal	127, 129 & 130	Natesan nagar	Vadapalani,Thiru Nagar	1.65
2	MGR Nagar Canal	131, 138	RamasamySalai	Adyar River	1.60
3	Jafferkhan Pet Canal	139	R.V.Nagar SCB	Muthurangam Block	0.80
4	Mambalam Canal	141	Venkatnarayana Road Bridge	CIT Nagar 1st Main Road	0.90
Total					**4.95**

ZONE X - WATER BODIES

CANAL		
ID. No.	Name	DIV
C1	Virugambakkam Canal	127, 129 & 130
C2	MGR Nagar Canal	131, 138
C3	Jafferkhan Pet Canal	139
C4	Mambalam Canal	141



Ponds		
ID. No.	Ward	LOCATION
P1	129	Baskar Colony Inside Park
P2	142	Karaneeswarar Koil inside Temple
P3	142	Perumal Koil Inside Temple
P4	130	VadapalaniMuruganOutside Temple
P5	140	EllaiammanKoil inside Temple

RIVER		
ID. No.	Ward	Name of the River
R1	137, 138, 139 & 142	Adayar River

OTHER WATER BODIES

CANAL/RIVER

Other water bodies: River

Sl. No.	Name of the River	Wards Covered	From	To	Length of River (Km)
1	Adayar River	137, 138, 139 & 142	Khan Nagar 12th street	Saidapet Bridge	4.20

Ponds

S. No	Ward No.	Ward Name	Location	Area in M^2
1	129	Saligramam	Baskar Colony Inside Park (Pond)	1600
2	142	Saidapet	Karaneeswarar Koil inside Temple (pond)	4900
3	142	Saidapet	Perumal Koil Inside Temple (pond)	900
4	130	Vadapalani	VadapalaniMuruganOutside Temple (Pond)	4733.35
5	140	Saidapet	EllaiammanKoil inside Temple (pond)	6181.04

Storm water Drains

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

720 storm water drains to a length of 195.08 km were constructed to ease the flow of rain water in Kodambakkam zone. The details of SWD are given below.

Sl. No.	Ward No./ Name	No. of Drains	Length in km
1	127/Koyambedu	90	26.36
2	128/Virugambakkam	65	14.73
3	129/Saligramam	67	15.05
4	130/Vadapalani	33	7.17

Sl. No.	Ward No./ Name	No. of Drains	Length in km
5	131/ K.K.Nagar	41	9.66
6	132/Ashok Nagar	62	16.52
7	133/ Ram Colony	50	17.34
8	134/ Kodambakkam	53	13.39
9	135/ThambaiahRaod	36	16.78
10	136/ T.Nagar	36	10.59
11	137/ K.K.Nagar	50	12.26
12	138/Jafferkhanpet	14	5.42
13	139/R.R.Colony	41	6.17
14	140/Saidapet	23	5.71
15	141/V.O.C.Nagar	32	11.61
16	142/ Saidapet	27	6.29
	Total	**720**	**195.08**

Water stagnated streets in the monsoon 2015- heavy rain fall

During the last monsoon, 8 inundated vulnerable spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this zone.

The identified water stagnation and the actions taken to dispose the rain water in each location is as below.

S. No	Ward/Name	Streets where inundationseen	Capacity of pumps	Locationof pumps	Disposal point
1	127/ Koyambedu	100 feet road (junction of KaliammanKoil Street)	10H.P-2	KaliammnKoil street	Virugambakkam Canal
2	127/ Koyambedu	Kaliamman Koil Street (infrontof police station)	10H.P	K10Police Station	Highways SWD

3	127/ Koyambedu	Kaliamman Koil Street(from CMWSSB STP to Sainagar annex)	10H.P	KaliammanKoil Bus Stand	Virugambakkam Canal
4	128/ Virugambakkam	Vembuliamman Koil street	10H.P	Vembuliamman Koil street	Vembuliamman Koil Swd
5	130/ Vadapalani	100feetRoad (junction of periyarpathai)	10H.P	Periyar Pathai	100FeetRoad Highway Swd
6	136/ K.K.Nagar	RajamannarSalai	2Nosof 10.H.p	Rajamannar Salai	Rajamannar Salai
7	132/ Kodambakkam	Rangarajapuram	10H.P	Rangarajapuram	Rangarajapuram Swd
8	133/T.Nagar	NorthUsman Road	3Nosof H.P	NearViveks&Co	BazullaRoad Swd



Ward 136, North Usman Road

Water stagnated streets in the monsoon 2015 -Heavy Rainfall

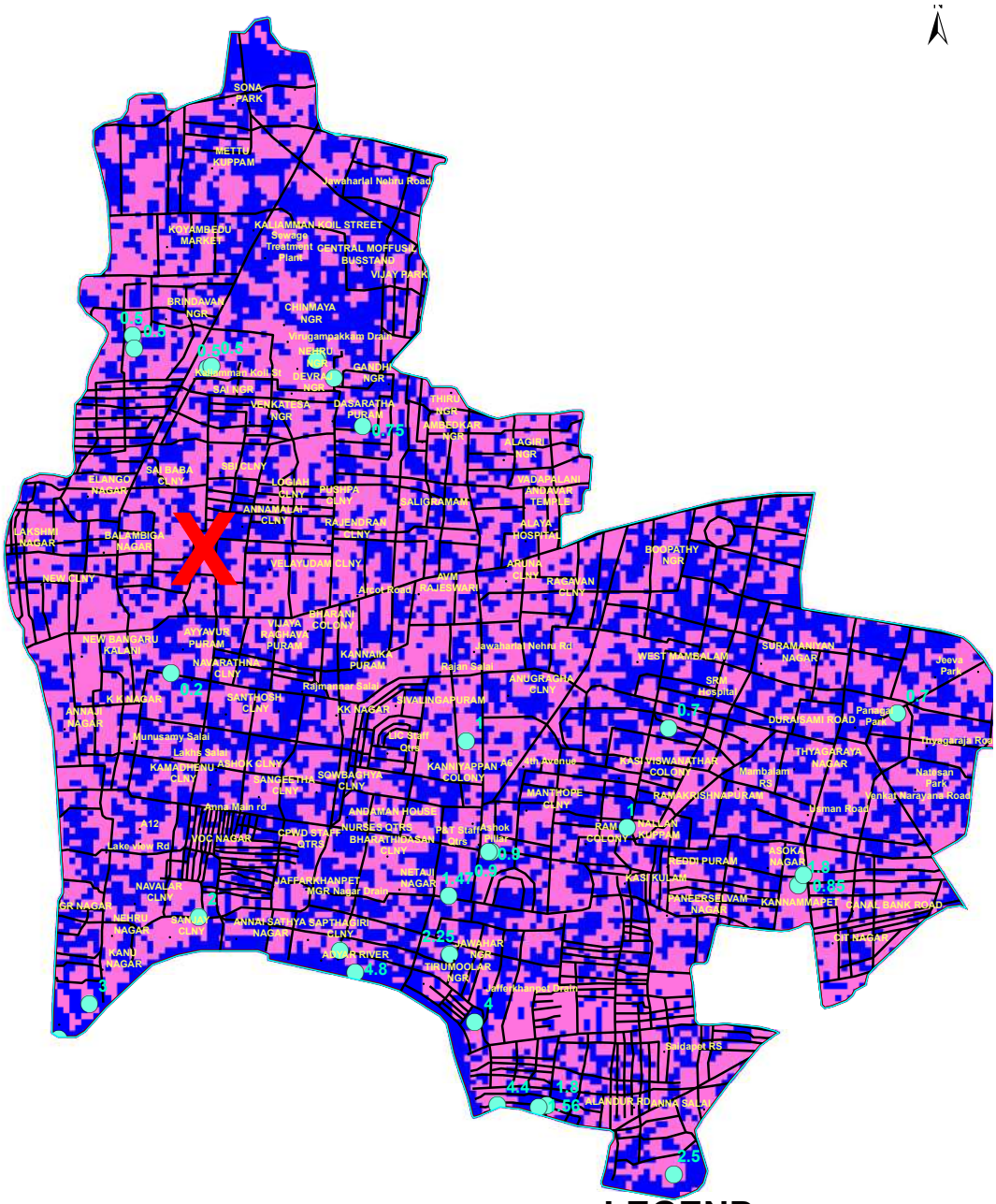
S. No	Ward/Name	Streets where inundationseen	Capac-ity of pumps	Locationof pumps	Disposal point
1	127/ Koyambedu	Kaliammankoil street	10 H.P	Kaliamman koil street	SWD
2		100 Feet Road	10 H.P	100 FeetRoad	SWD
3	128 & 129	Arcot Road	2- 10 H.P	Arcot Road	SWD
4	128/ Virugambak-kam	Lambet Nagar	10 H.P	Lambet Nagar	SWD

5	129/ Saligramam	K.K.Salai	5 H.P	K.K.Salai	SWD
6	130/ Vadapalani	Nerkundrum pathaieast	10 H.P	Nerkundrum pathai east	SWD
7	130/ Vadapalani	Alaghiri Nagar 1st cross street	5H.P	Alaghiri Nagar1st cross street	SWD
8	130/ Vadapalani	Kanniappa street	5 H.P	Kanniappastreet	SWD
9	130/ Vadapalani	Valliammal street	10 H.P	Valliammalstreet	SWD
10	135/ AshokNagar	4th Avenu	-	-	Natural drain through SWD
11	135/ AshokNagar	18th Avenu & 19th Avenu	2- 10 H.P	18th Avenu & 19th Avenu	SWD
12	135/ Ashok Nagar	Kamaraj Salai	-	-	Natural drain through SWD
13	131/ Ram Colony	Postal Colony 4th street	10 H.P	Postal Colony4th street	SWD
14	131/ Ram Colony	Postal Colony 2nd street	10 H.P	Postal Colony 2nd street	SWD
15	131/ Ram Colony	4th Avenu	-	-	Natural drain through SWD
16	131/ Ram Colony	Duraisamy Road	-	-	Natural drain through SWD
17	131/ Ram Colony	21st Avenu	-	-	Natural drain through SWD
18	132/ Kodambakkam	Rangarajapuram main road	10 H.P	Rangarajapuram main road	SWD
19	132/ Kodambakkam	Parangusapuram	10 H.P	Parangusapuram	SWD
20	134/ Kodambakkam	Aziz nagar Main road, 1st , 2nd & 3rdstreet	10 H.P	Aziz nagar Main road, 1st, 2nd & 3rdstreet	SWD
21	135/ WestMam-balam	Station Road	10 H.P	Station Road	SWD
22	135/ WestMam-balam	Sathyanarayanan Street	-	-	Natural drain through SWD
23	135/ WestMam-balam	Lake View Road	10 H.P	Lake ViewRoad	SWD
24	131/K.K.Nagar	R.K.Shanmugam salai	2 - 10 H.P	R.K.Shanmugam salai	SWD

25	131/K.K.Nagar	Sathyagarden	10 H.P	Sathyagarden	SWD
26	131/K.K.Nagar	BharaniColony	10 H.P	BharaniColony	SWD
27	137/ K.K.Nagar	Rajamannar Salai	2- 10 H.P	Rajamannar Salai	SWD
28	137/ K.K.Nagar	8th Sector	-	-	Natural drain through SWD
29	137/ K.K.Nagar	7th Sector 37th street	-	-	Natural drain through SWD
30	136/ T.Nagar	Northusman Road	3- 10 H.P	Near Viveks& Co	SWD
31	136/ T.Nagar	Thukaram Street,1st, 2nd street	-	-	Natural drain through SWD
32	140/ Saidapet	Kodambakkam Road	-	-	Natural drain through SWD
33	141/ V.O.C. Nagar	Southusman Road	10 H.P	Southusman Road	SWD
34	141/ V.O.C. Nagar	Gopal Street	-	-	Natural drain through SWD
35	138/ Jaf-ferkhan pet	Ambedkar Col-ony	2- 10 H.P	Ambedkar Colony	Bazulla Road Swd

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



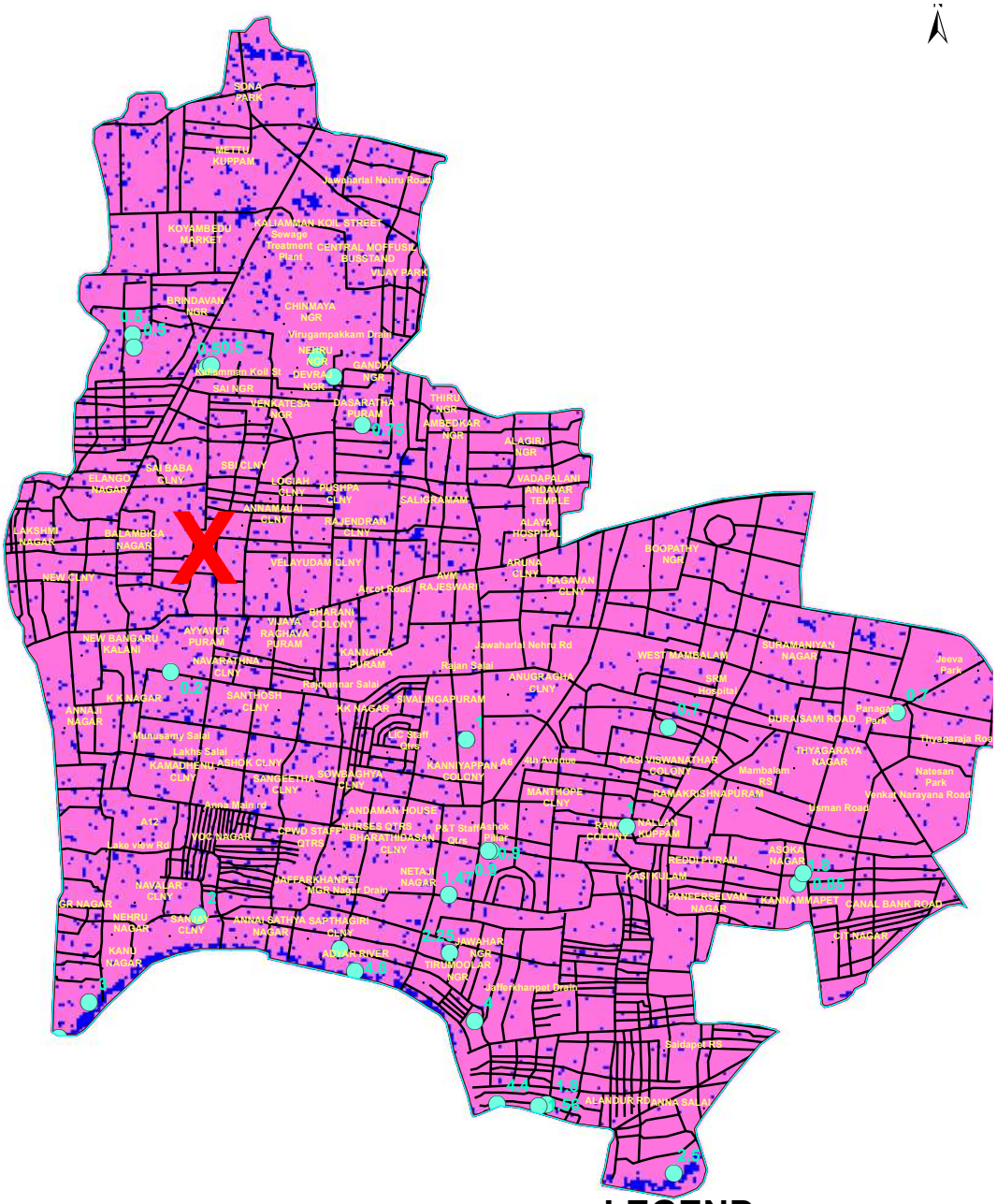
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:24,000

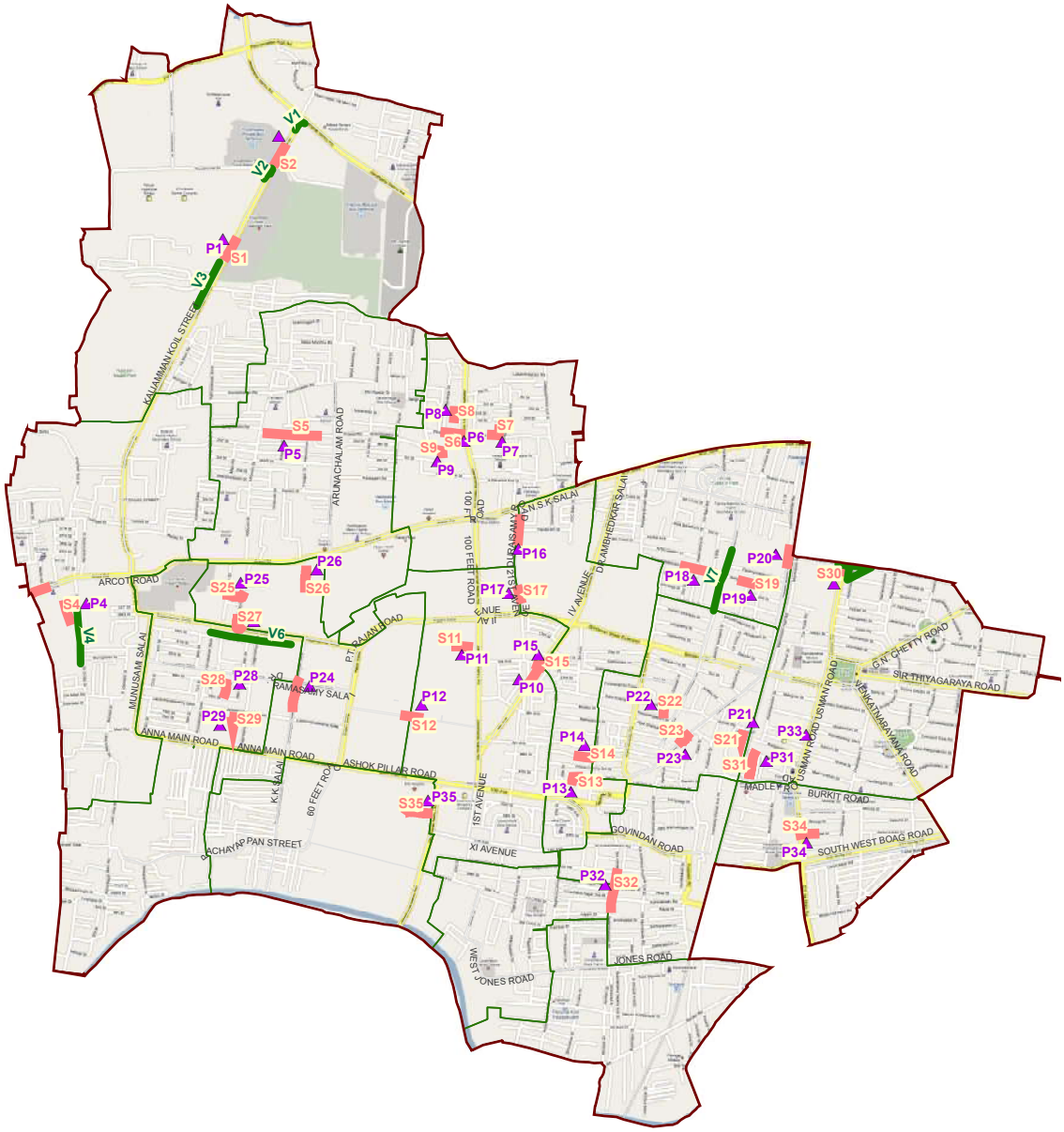
0 0.5 1 2 Km

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE


X
0.5
0.5
0.5
0.75
0.2
0.2
1
0.5
1.4
0.5
0.5
0.5

ZONE X

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Vulnerable spots for water stagnation

Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

Stagnation of water in streets due to sewer blocks

Sl. No.	Ward No./ Name	Name of the Streets	No. of Man holes
1	127/ Koyambedu	Srinivasa Nagar 1 to 6, Magamma Nagar, KaliammanKoil street ,Sriayyappa Nagar 1st Main Road, North Mada street Brindavan Nagar, Kumaran Nagar 3rd Main Road, Kumaran Nagar 1st Cross street, Natesan Nagar, Jai Nagar 2nd Main Road, Jai Nagar 11thm street&Nerkundram Road	47
2	128/ Virugambakkam	Elango Nagar, OttaipillaiyarKoil street, AnnaiSathya Nagar, Tarachand Nagar, ThangalUvlvayil street, &Venkatesh NagarMain Road	19
3	129/ Saligramam	Vinayagam Street, Kamaraj street, Logaiah street, Gangappan street PonniammanKoil street Majeeth Nagar , Kumaran Colony Main Road, Velayutham Street, S.S.R.Pankajam Road, Kaveri street, State Bank Colony 2nd& 3rd street &Mathiazhagan Nagar	57
4	130/ Vadapalani	Alagirinagar 1st& 2nd street, BajanaiKoil 1st& 2nd street, Kumaran Colony Main Road&NerkundramPathai East	16
5	135/ Ashok Nagar	2nd Avenu,4thAvenu, 6thAvenu, 7th Ashok Nagar,9th Avenu,10th Avenu,12th Avenu,18thAvenu,48th Street &KamarajSalai	40
6	131/ RamColony	Postal Colony 3rd Street, R.N.Nambiar Street, Mahadevan Street Ext & AshokNagar 15th Street	14
7	132/ Kodambakkam	Vishwanathapuram 1st Main Road &Rangarajapuram Main Road Near School	9
8	133/ T.Nagar	Bazulla Road, Usman Road, Ragaviah Road, G.N.ChettyRoad,RangabashyamStreet,Guild street, Natesan Street, Muthu Krishnan Street, Rameshwaram Road & Lakshmi Narasimman Street	38

Sl. No.	Ward No./ Name	Name of the Streets	No. of Man holes
9	137/ K.K.Nagar	RajamannarSalai, 10th Sector59,61,64, & 65th street, 9th sector,8th Sector,7th Sector, 4th Sector, RamasamySalai,LakshmansamySalai, AlagirisamySalai, Kamaraj Street, Jaibalaji Nagar, Vannier Street, M.G,R Nagar Periyar Street, ChoolaiPallam& Rajiv Gandhi Nagar	60
10	138/Jafferkhanpet	SM Block GurushaveStreet,SM Block John Kennedy Street, Pari Nagar All street Bharathidasan Colony Main Road,Thiru Nagar Kabilan Street, MGR Nagar Palai Street, MGR Nagar Sanjai Gandhi Street MGR Nagar V.N.Janaki Street, MGR Nagar Palai Street &AnnaiSathya Nagar	41
11	139/ R.R.Colony	Jothiramalingam Nagar, Sarathi Nagar &Muthurangam Block	12
12	140/ Saidapet	Old MambalamRoad,Sadaiyappan Street Dhanapal Street, VazhaiThoppu Pushpavathiammal Street&Vandikaran Street	24
13	141/ V.O.C.Nagar	VaradarajanKoilstreet,South West BoagRoad,SouthDhandapani Street, MaduraiveeranKoil Street&Madley 2nd Street	19
14	142/ Saidapet	Jayaramstreet,Narayanasamy street DuraisamyThottam,KothavalChavadi Street&Godhamedu	17
		Total	437

Relief Centres

There are 7 relief centres to a total capacity of 3250 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.



Sl. No.	Ward No/ Name	Capacity	Name &Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
1	127/ Koyambedu	500	Chennai Higher Secondary School, Koyambedu and Chennai Primary School, Koyambedu, school street	New Colony, Mettukulam	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025927
								Evacuation	Assistant Engineer	9445190427
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190427
2	128/ Virugambakkam	500	Chennai Higher Secondary School , School street, Virugambakkam	Lambert Nagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025928
								Evacuation	Assistant Engineer	9445190428
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190428
3	137/ K.K. Nagar	500	Chennai Middle School at Kamarajar st.	Choolai pallam, Dr.Khanu Nagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025940
								Evacuation	Assistant Engineer	9445190437
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190437
4	138/ Jafferkhanpet	300	Chennai Higher Secondary School govindasamy street& Chennai Primary School govindasamy street	Jaffer khanpet, Pari Nagar, Thiru Nagar , SM Block,	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9791772493
								Evacuation	Assistant Engineer	9445190438
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190438

Sl. No.	Ward No/ Name	Capacity	Name &Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge (Designation/	Contact No.
5	139/ R.R.Colony	400	Chennai High School, Jafferkhanpet main road	Jothirama lingam Nagar, Muthurangam block & Sarathinagar	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025939
								Evacuation	Assistant Engineer	9445190439
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190439
6	141/ V.O.C. Nagar	50	Chennai High School , CIT Nagar 4 th main road	Canal Bank Road	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025941
								Evacuation	Assistant Engineer	9445190441
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190441
7	142/ Saidapet	1000	Chennai Primary School, BazaarRoad, Chennai Middle School& Chennai Girls Higher Secondary School	Thideer Nagar & Godhamedu	YES	YES	NO	Sanitation, Medicine	Sanitary Inspector	9445025940
								Evacuation	Assistant Engineer	9445190442
								Food & Drinking water	Assistant Revenue Officer	9445190090
								Relief Materials	Assistant Engineer	9445190442

ZONE X

EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	127	New Colony,
S1a	127	Mettukulam
S2	128	Lambert Nagar
S3	137	Choolai pallam,
S3a	137	Dr.Khanu Nagar
S4	138	Jafferkhanpet
S4a	138	Pari Nagar
S4b	138	Thiru Nagar
S4c	138	SM Block
S5	139	JothiramalingamNagar
S5a	139	Muthurangamblock
S5b	139	Sarathinagar
S6	141	Canal Bank Road
S7	142	Thideer Nagar
S7a	142	Godhamedu

RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R1	127	Chennai Higher Secondary School, Koyambedu &Chennai Primary School, Koyambedu, school street
R2	128	Chennai Higher Secondary School , School street, Virugambakkam
R3	137	Chennai Middle School at Kamarajar st.
R4	138	Chennai Higher Secondary School govindasamy street& Chennai Primary School govindasamy street
R5	139	Chennai High School, Jafferkhanpet main road
R6	141	Chennai High School , CIT Nagar 4 th main road
R7	142	Chennai Primary School, BazaarRoad, Chennai Middle School& Chennai Girls Higher Secondary School

Subways

There are 5 subways in this zone namely Rangarajapuram, Madley, Duraisamy, Alandur and Jones road subways. The electrical pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No	Location	Length in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Ward 132 Rangarajapuram	146.3	Railway Border Road Storm Water Drain	12.5 HP -2 , 10HP -2 & 25 HP -2
2	Ward 134 Madley	317	Madley Service Road	25 H.P -1, 12 H.P-2 & 7.5 H.P-4
3	Ward 133 Duraisamy	293.5	Duraisamy Road Storm Water Drain	25 H.P -2 & 12.5 H.P-3
4	Ward 142 Alandur road	313.5	Alandur Road Storm Water Drain	25 H.P -1, 7.5 H.P-2 & 10.00 H.P-2
5	Ward 142 Jones road	309	Jones Road Storm Water Drain	25 H.P -1 & 7.5 H.P -6



Ward 142, Jones Road Subway

Tree fall

During the last monsoon, in this zone totally 66 tree branches/trees were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl. No.	Ward No.	Ward Name	Name of the Streets
1.	127	Koyambedu	Karumariannankoil street, Natesan Nagar, Sri ayy-appanagar, SaiNagar,NorthMada street&Ragaven-dra Colony
2	128	Virugambakkam	Kamaraj Colony, SaibabaColony, UdhayamColony, AnnajiColony, Reddy Street &Thangal street
3	129	Saligramam	DasarathaPuram, Logaiya Colony , Kuma-ranColony & SBI Colony
4	130	Vadapalani	Karumari Amman Koil street, KumaranVolony, & 100 Feet Road
5	131	Ram Colony	12thAvenu, Kavarai street, Karnan street ,Mahadevan street& 50TH Street Ashok Nagar
6	132	Kodambakkam	Rangarajapuram, Posal Colony, VishvwanapuramP uram&Vishwanathapuram
7	133	T.Nagar	Dr.Nair Road, G.N.Chetty Road, Bazulla Road, So-masundram Street, Coats Road &Ragaviah Road
8	136	K.K.Nagar	Ranjanna Nagar, RajamannarSalai, P.t.RajanSalai, & 6th Sector K.K.Nagar
9	134	T h a m b a i a h Road	Posatal Colony &Kirupasankarai street
10	136	K.K.Nagar	Ranjanna Nagar, RajamannarSalai, P.t.RajanSalai, & 6th Sector K.K.Nagar
11	137	K.K.Nagar	RajamannarSalai, MunusamySalai, 4th Sector, 12thSector &R.K.ShanmugamSalai.
12	138	Jafferkhan Pet	Bharathidasan Colony, & 4th Sector
13	139	R.R.Colony	R.R.Colony
14	140	Saidapet	Rajaji street, Sambagi street &VadivelPuram
15	141	V.O.C.Nagar	C.I.T.Nagar, Canal Bank Road &Burkit Road
16	142	Saidapet	Subramani street &Jennis Road

Streets - water entered houses - do not require evacuation

During the last monsson, 5 inundated spots where water entered houses but do not require evacuation were identified and actions were taken to bale out the rain water. During NEM 2022 the under mentioned 6 locations were inundated for more than a day by which the normal day to day activity of 540 people were standstilled. Flood water from these areas were cleared by using 9 pumps ranging from 10 HP & 22 HP capacity. The identified vulnerable spots and the action taken to dispose the rain water in each location is as below,

Sl. No	Ward No./Name	Streets where water enters house - not require evacuation
1	128/ Virugambakkam	Ganapathraj Nagar
2	136/K.K.Nagar	Bharani Colony
3	140/ Saidapet	K.R.Koil street

Streets that require evacuation

During the heavy flood that occurred in 2015, in this zone 2195 people were evacuated from Jaferkhanpet, Koyembedu, K.K.Nagar, Virugambakkam and Saidapet and they are accomodated in 12 Chennai Primary, Middle & Higher Secondary Schools. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below.

Sl.No.	Ward No./ Name	Streets	No. of persons	Years	Relief centre
1	127 Koyambedu	Kannaki Nagar , Arumbakkam	150	2015-2016	Chennai Middle School, TSD Nagar
2	127 Koyambedu	New Colony	200	2015-2016	Chennai High School,Koyambe-du
3	128 Virugambakkam	Elango Nagar, Ganapath Raj Nagar	25	2015-2016	Commmunity Hall , KamarajSalai, Virugambakkam

Sl.No.	Ward No./ Name	Streets	No. of persons	Years	Relief centre
4	128 Virugambakkam	Annai Sathya Nagar	75	2015-2016	Chennai Primary School, Nesapakkam
5	137 K.K.Nagar	Choolaipallam	500	2015-2016	Chennai Middle School, Kamaraj Street
6	137 K.K.Nagar	Khau Nagar	450	2015-2016	Chennai High Secondary School, Erikkarai Street
7	138 Jafferkhanpet	Jafferkhanpet, Pari Nagar,	25	2015-2016	Chennai Primary School, GovidasamyStreet Mgr Nagar
8	138 Jafferkhanpet	Thiru Nagar , SM Block	75	2015-2016	Chennai High Secondary School, Govidasamy Street Mgr Nagar
9	139 R.R.Colony	othiramalingam Nagar, Muthurangam block &Sarathinagar	450	2015-2016	Chennai High School, Jafferkhanpet, Chennai
10	141 V.O.C.Nagar	Canal Bank Road	20	2015-2016	Chennai High School, C.I.T.Nagar4th Main Road
11	142 Saidapet	Thideer Nagar	125	2015-2016	Chennai Middle School, - Thideer Nagar
12	142 Saidapet	Godhamedu	100	2015-2016	Chennai Primary School, - Bazaar Road
		Total	**2195**		

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one battery powered light available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

S.No	Ward No.	Contact person	
		Designation	Contact No.
1	131, 138, 139	Assistant Engineer	94451 91453
2	130, 134	Junior Engineer	94454 77683
3	133,135	Junior Engineer	9445091456
4	129, 132, 137	Junior Engineer	9941222906
5	127, 128	Junior Engineer	94451 91458
6	140, 142	Electrical Junior Engineer	94451 91457
7	136, 141	Lighting Inspector	9445191454
8	127 to 142	Additional Divisional Engineer (Zone)	9445190050
9	127 to 142	Divisional Engineer (HQ)	9445190754

National Disaster Response Force (NDRF)

In this zone, the NDRF to be stationed locations is given below,

Sl.No.	Ward No.	Where NDRF to be stationed and deployed
1	138	Nsk Salai Corporation Mandabam to Pari Nagar
2	139	NskSalai Corporation Mandabam, Jothiramalingam Nagar, Sarathi Nagar, Muthurangam Block
3	142	Cps School at Bazzar Road to Godhamedu, &Thideer Nagar

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



Ward 138, Pari Nagar

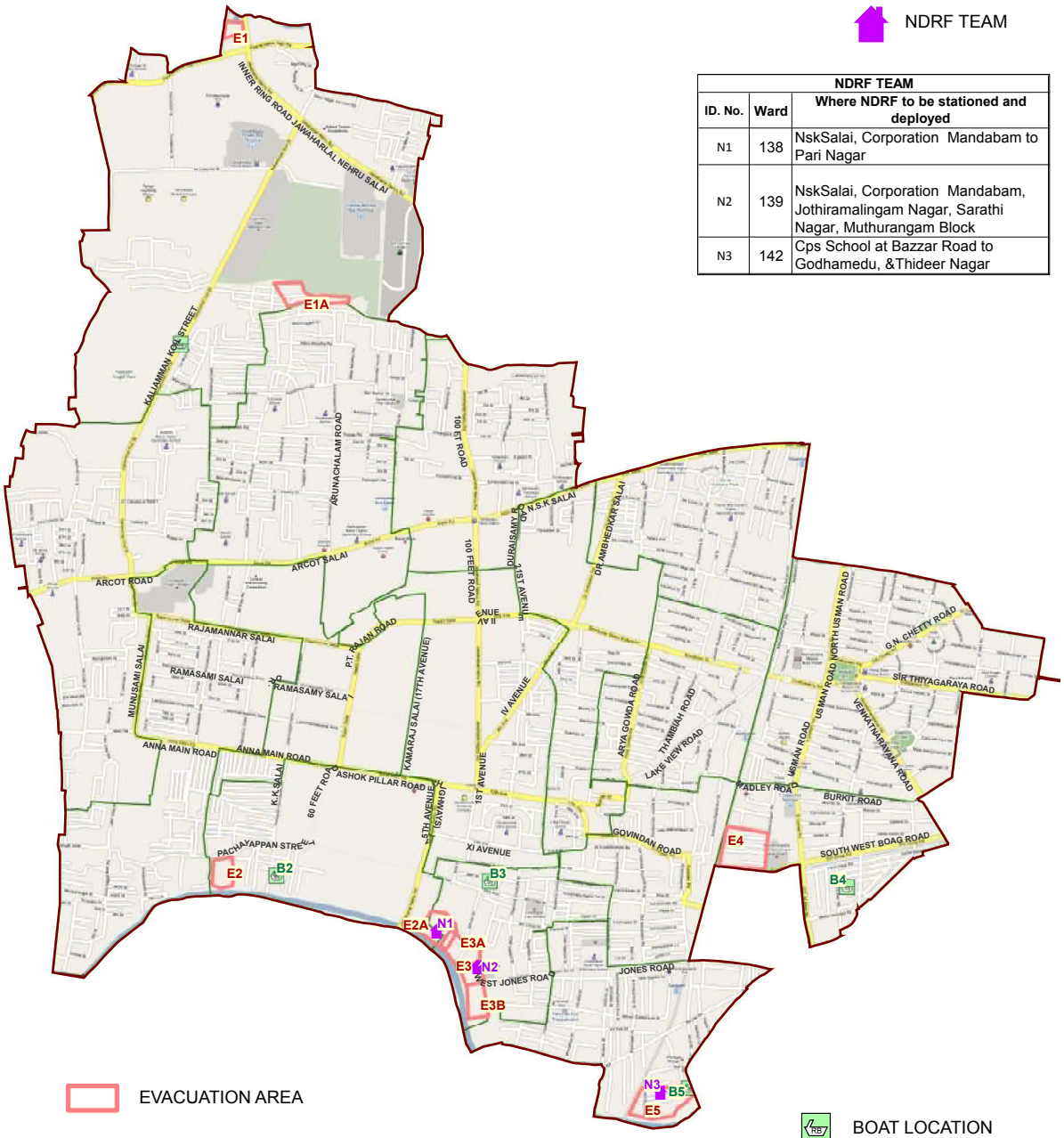
Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl.No.	Ward No.	Number of boats required with location /evacuation areas / location	Boats stationed Location	Contact No
1	127	New Colony & Kulasekarapuram -1 No	Ragavendra Colony main Road	Assistant Engineer 9445190427
2	138	Annaisathya Nagar, Pari Nagar- 2 No	VM Balakrishnana Street	Assistant Engineer 9445190438
3	139	Jothiramalingam Nagar , Sarathinagar & Muthurangan Block -6 Nos	Ragavareddi colony	Assistant Engineer 9445190439
4	141	C.I.T.Nagar 1st Main Road -1 No	C.I.T.Nagar 4th Main Road	Assistant Engineer 9445190441
5	142	Godhamedu -3 Nos	Godhamedu	Assistant Engineer 9445190442

ZONE X

EVACUATION AREA, NDRF TEAM & BOAT LOCATION



NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	138	NskSalai, Corporation Mandabam to Pari Nagar
N2	139	NskSalai, Corporation Mandabam, Jothiramalingam Nagar, Sarathi Nagar, Muthurangam Block
N3	142	Cps School at Bazzar Road to Godhamedu, &Thideer Nagar

EVACUATION AREAS		
ID. No.	Ward	EVACUATION_LOCATION
E1	127	New Colony
E1A	127	Kulasekarapuram
E2	138	Pari Nagar
E2A	138	Annaisathya Nagar
E3	139	Jothiramalingam Nagar
E3A	139	Sarathinagar
E3B	139	Muthurangan Block
E4	141	C.I.T.Nagar 1st Main Road
E5	142	Godhamedu

Boats		
ID. No.	Ward	Boats stationed Locations
B1	127	Ragavendra Colony main Road
B2	138	VM Balakrishnana Street
B3	139	Ragavareddi colony
B4	141	C.I.T.Nagar 4th Main Road
B5	142	Godhamedu

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 8 debris lorries,5 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in the zone is given below

No. of lorries and type kept in readiness
Open Debris lorry - 4 Nos
Skid steer loaders (Bob cat) - 2 Nos
(Front end loader) JCB - 1 No.

Assistant Engineer contact No.	JCB	Bob cat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445190690	1	2	4	2	2

Less than 2.5 m streets that cannot be accessed by Vehicles

Sl.No.	Ward No./Name	Name of the Streets
1.	129/Saligramam	Thamba street, V.P.Agilan street, Shanmugasundaram Street 1st Lane, Shanmugasundaram Street 3rd Lane &Shanmugasundaram Street 4th Lane
2	130/Vadapalani	Bakthavatchalam Colony 4th Lane
3	131/Ram Colony	Appasamy Lane, R.N.Nambiar Lane &Kasikulam Slum Ten Lanes
4	135/Ashok Nagar	Ottagapalayam I to 13 street
5	136/K.K.Nagar	MGR Nagar Nedunchezian lane 1 to 10 lanes, MGR Nagar Anjugam cross street, Vijayaragavapuram Cross Street 1st Lane &Vijayaragavapuram 2nd lane
6	137/K.K.Nagar	MGR Nagar Ponmanachemmal Street, Anbanandam 1st Street, Anbanandam 2nd Street,Anbanandam 3rd Street,Misha Abraham Cross Street,Choolai Street &MuthuramalingaDevar 1st and 2nd Street
7	138/Jafferkhan-pet	JafferkhanpetKanni 2nd Street,Pachaiappan 1st cross lane, MGR Nagar ZakirHussain 1st lane,MGRNagar Pu-lithevan 1st cross lane,MGR Nagar Pulithevan 2nd cross lane,JafferkhanpetAyyavoo cross lane&Jafferkhanpet Gandhi 1st lane
8	139/R.R.Colony	Elangovadigal street
9	141/V.O.C.Nagar	SouthDhandapaniStreet Lane

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of ward committee and other line departments are as follows.

Ward committee - 127
Ward Councillor - 9445467127

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190427
GCC - Electrical	JuniorEngineer	9445191458
GCC- Health	Sanitary Inspector	9944669224
GCC – Veterinary	VeterinaryAssistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	9445190627
GCC - Revenue	TaxCollector	9789844898
Revenue	RevenueInspector	9384094040
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	AssistantEngineer	8144930127
TANGEDCO	Junior Engineer	9445850219 9790922126 9445850207 9445850207
BSNL	AssistantEngineer	9444979668
Fire service	Inspector	944510090
Police station	Inspector	7603894015 9840946887 9962622043
PWD	AssistantEngineer	9976083628
TNUHDB	ExecutiveEngineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 128
Ward Councillor - 9445467128

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190428
GCC - Electrical	Assistant Engineer	9445191458
GCC- Health	Sanitary Inspector	9445025927
GCC – Veterinary	Veterinary Assistant Surgeon	9677029726
GCC - Solid waste management	Conservancy Inspector	9445190628
GCC - Revenue	Tax Collector	9841429704
Revenue	Revenue Inspector	9384094040
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930127
TANGEDCO	Junior Engineer	9445850219/210
BSNL	Assistant Engineer	9444213464
Fire service	Inspector	9444510090
Police station	Inspector	8754555999
PWD	Assistant Engineer	7010622932
TNUHDB	Executive Engineer	6381840263
Highways	Assistant Engineer	7708022297

Ward committee – 129
Ward Councillor - 9445467129

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190429
GCC - Electrical	Assistant Engineer	9445191455
GCC- Health	Sanitary Inspector	9445025930
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	9894333506
GCC - Revenue	Tax Collector	9080728941
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930129
TANGEDCO	Junior Engineer	9445850207
BSNL	Assistant Engineer	044-23762344
Fire service	Inspector	9445086067
Police station	Inspector	9751516706
PWD	Assistant Engineer	9976083628
TNUHDB	Executive Engineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 130
Ward Councillor - 9445467130

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190430**
GCC - Electrical	Assistant Engineer	**9445477683**
GCC- Health	Sanitary Inspector	**9445025930**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190630**
GCC - Revenue	Tax Collector	**8838285226**
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	**9445194751**
CMWSSB	Assistant Engineer	**8144930130**
TANGEDCO	Junior Engineer	**94458 50214** **9445850225** **9445850223 94458 50205**
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	9444772010
Police station	Inspector	**6381249608**
PWD	Assistant Engineer	**9445190430**
TNUHDB	Executive Engineer	**9445477683**
Highways	Assistant Engineer	**9445025930**

Ward committee – 131
Ward Councillor - 9445467131

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190431**
GCC - Electrical	Assistant Engineer	**9445191456**
GCC- Health	Sanitary Inspector	**9445190931**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190631**
GCC - Revenue	Tax Collector	**7395979897**
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	**9840551284**
CMWSSB	Assistant Engineer	**8144930131**
TANGEDCO	Junior Engineer	**9445850204**
BSNL	Assistant Engineer	9445884422/9486108393
Fire service	Inspector	**9445086046**
Police station	Inspector	**9498100182**
PWD	Assistant Engineer	9444165367
TNUHDB	Executive Engineer	8072380917
Highways	Assistant Engineer	8072380917

Ward committee – 132
Ward Councillor - 9445467132

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190432**
GCC - Electrical	Assistant Engineer	**9445477683**
GCC- Health	Sanitary Inspector	**9445190932**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190632**
GCC - Revenue	Tax Collector	**9884346863**
Revenue	Revenue Inspector	**9384094033**
GCC - Park overseer	Park Supervisor	**9840551284**
CMWSSB	Assistant Engineer	**8144930132**
TANGEDCO	Junior Engineer	**9445850216**
BSNL	Assistant Engineer	
Fire service	Inspector	**9445086046**
Police station	Inspector	**9498100185** **9498100182**
PWD	Assistant Engineer	9976083628
TNUHDB	Executive Engineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 133
Ward Councillor – 9445467133

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190433**
GCC - Electrical	Assistant Engineer	**9445191454**
GCC- Health	Sanitary Inspector	**9445025933**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190633**
GCC - Revenue	Tax Collector	**9841249399, 9941856100**
Revenue	Revenue Inspector	8838234547
GCC - Park overseer	Park Supervisor	**9445036588**
CMWSSB	Assistant Engineer	**8144930133**
TANGEDCO	Junior Engineer	**9445850763**
BSNL	Assistant Engineer	9445884422/9486108393
Fire service	Inspector	9445086046
Police station	Inspector	**9840619597,** **7904468289**
PWD	Assistant Engineer	7904960896
TNUHDB	Executive Engineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 134
Ward Councillor - 9445467134

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190434
GCC - Electrical	Assistant Engineer	9445477683
GCC- Health	Sanitary Inspector	9445190932
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	9445190634
GCC - Revenue	Tax Collector	9789905841
Revenue	Revenue Inspector	9384094042
GCC - Park overseer	Park Supervisor	9840551284
CMWSSB	Assistant Engineer	8144930134
TANGEDCO	Junior Engineer	9445850770
BSNL	Assistant Engineer	9445884422/9486108393
Fire service	Inspector	9445086046
Police station	Inspector	9498100182 9498100166
PWD	Assistant Engineer	7904960896
TNUHDB	Executive Engineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 135
Ward Councillor - 9445467135

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190435
GCC - Electrical	Assistant Engineer	9445191455
GCC- Health	Sanitary Inspector	9445025935
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	9445190635
GCC - Revenue	Tax Collector	8754570336
Revenue	Revenue Inspector	9384094042
GCC - Park overseer	Park Supervisor	9840551284
CMWSSB	Assistant Engineer	8144930135
TANGEDCO	Junior Engineer	9445850204 & 9445850205
BSNL	Assistant Engineer	9445884422/9486108393
Fire service	Inspector	9445086046
Police station	Inspector	9498100182
PWD	Assistant Engineer	7010622932
TNUHDB	Executive Engineer	9444165367
Highways	Assistant Engineer	8072380917

Ward committee – 136
Ward Councillor - 9445467136

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190436**
GCC - Electrical	Assistant Engineer	**9445191453**
GCC- Health	Sanitary Inspector	**9445025936**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190636**
GCC - Revenue	Tax Collector	**9043853058**
Revenue	Revenue Inspector	**9384094040**
GCC - Park overseer	Park Supervisor	**9840551284**
CMWSSB	Assistant Engineer	**8144930136**
TANGEDCO	Junior Engineer	**9445850210,9445850209,9445850205,**
BSNL	Assistant Engineer	**9444213464**
Fire service	Inspector	**9445086046**
Police station	Inspector	**9962278609**
PWD	Assistant Engineer	9444313022
TNUHDB	Executive Engineer	7598343853
Highways	Assistant Engineer	8072380917

Ward committee – 137
Ward Councillor - 9445467137

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190437**
GCC - Electrical	Assistant Engineer	**9445850209**
GCC- Health	Sanitary Inspector	**9445625937**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190637**
GCC - Revenue	Tax Collector	**6374002058**
Revenue	Revenue Inspector	**9384094040**
GCC - Park overseer	Park Supervisor	**9445194751**
CMWSSB	Assistant Engineer	**8144930137**
TANGEDCO	Junior Engineer	**9444512712**
BSNL	Assistant Engineer	**9444961176**
Fire service	Inspector	**9445086046**
Police station	Inspector	**8072141335**
PWD	Assistant Engineer	9884219380
TNUHDB	Executive Engineer	9942773961
Highways	Assistant Engineer	9841184976

Ward committee – 138

Ward Councillor – 9445467138

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190438**
GCC - Electrical	Assistant Engineer	**9445191453**
GCC- Health	Sanitary Inspector	**9445025936**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190638**
GCC - Revenue	Tax Collector	**8838005959**
Revenue	Revenue Inspector	**9384094040**
GCC - Park overseer	Park Supervisor	**9445194751**
CMWSSB	Assistant Engineer	**8144930138**
TANGEDCO	Junior Engineer	**9444512712**
BSNL	Assistant Engineer	**9444961176**
Fire service	Inspector	**9445086046**
Police station	Inspector	**8072141335**
PWD	Assistant Engineer	9443130220
TNUHDB	Executive Engineer	9445802633
Highways	Assistant Engineer	8072380917

Ward committee – 139

Ward Councillor - 9445467139

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190439**
GCC - Electrical	Assistant Engineer	**9445191453**
GCC- Health	Sanitary Inspector	**9445025939**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190638**
GCC - Revenue	Tax Collector	**9444057321**
Revenue	Revenue Inspector	**9384094042**
GCC - Park overseer	Park Supervisor	**9445194751**
CMWSSB	Assistant Engineer	**8144930139**
TANGEDCO	Junior Engineer	**9445850780**
BSNL	Assistant Engineer	**9444961176**
Fire service	Inspector	**9629960903**
Police station	Inspector	**4423452629**
PWD	Assistant Engineer	**9789846616**
TNUHDB	Assistant Engineer	**9444154235**
Highways	Assistant Engineer	**97898233456**

Ward committee – 140
Ward Councillor - 9445467140

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190440
GCC - Electrical	Assistant Engineer	9445191457
GCC- Health	Sanitary Inspector	9445025940
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	9445190640
GCC - Revenue	Tax Collector	9943743091
Revenue	Revenue Inspector	8148893229
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930140
TANGEDCO	Junior Engineer	9445850770/9445850778/ 9445850780
BSNL	Assistant Engineer	9444961176
Fire service	Inspector	9445086046
Police station	Inspector	7708542609
PWD	Assistant Engineer	**9789846616**
TNUHDB	Assistant Engineer	**9444154235**
Highways	Assistant Engineer	**97898233456**

Ward committee – 141
Ward Councillor - 9445467141

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190441**
GCC - Electrical	Assistant Engineer	**9445191454**
GCC- Health	Sanitary Inspector	**9445025941**
GCC – Veterinary	Veterinary Assistant Surgeon	**9524374705**
GCC - Solid waste management	Conservancy Inspector	**9445190641**
GCC - Revenue	Tax Collector	**9176675553**
Revenue	Revenue Inspector	**99414428371**
GCC - Park overseer	Park Supervisor	**9840551284**
CMWSSB	Assistant Engineer	**8144930141**
TANGEDCO	Junior Engineer	**9445850781 9445850766**
BSNL	Assistant Engineer	**9445010411**
Fire service	Inspector	9445086046
Police station	Inspector	**7010447115 9840989097**
PWD	Assistant Engineer	**9789846616**
TNUHDB	Assistant Engineer	**9444154235**
Highways	Assistant Engineer	**97898233456**

Ward committee – 142
Ward Councillor – 9445467142

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	**9445190442**
GCC - Electrical	Assistant Engineer	**9445191457**
GCC- Health	Sanitary Inspector	**9445025942**
GCC – Veterinary	Veterinary Assistant Surgeon	9940431973
GCC - Solid waste management	Conservancy Inspector	**9445190642**
GCC - Revenue	Tax Collector	**8056219483**
Revenue	Revenue Inspector	**99414428371**
GCC - Park overseer	Park Supervisor	**9840551284**
CMWSSB	Assistant Engineer	**8144930142**
TANGEDCO	Junior Engineer	**9445850776**
BSNL	Assistant Engineer	**9449813373**
Fire service	Inspector	**9445086048**
Police station	Inspector	**J1-9840989097**
PWD	Assistant Engineer	**9444027947**
TNUHDB	Assistant Engineer	**9445802633**
Highways	Assistant Engineer	**8903050707**

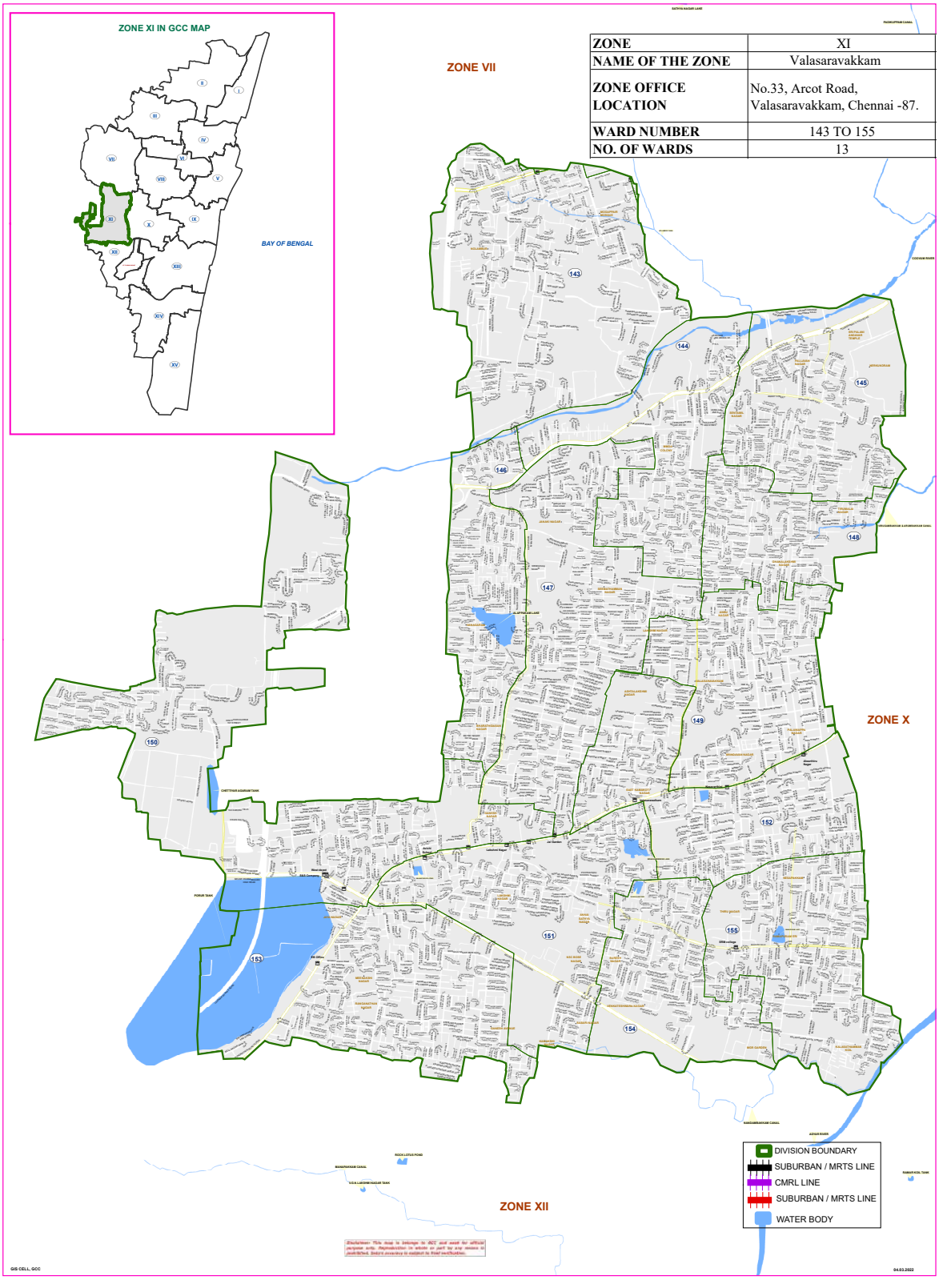
ZONE - XI

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ZONE XI - WARD BOUNDARY

GREATER CHENNAI CORPORATION
ZONE - XI
TN GOVT. GAZATTE NO.408 DATED:14.12.2018



ZONE	XI
NAME OF THE ZONE	Valasaravakkam
ZONE OFFICE LOCATION	No.33, Arcot Road, Valasaravakkam, Chennai -87.
WARD NUMBER	143 TO 155
NO. OF WARDS	13

Profile

The Valasaravakkam zone lies in Latitude 13.04094°, Longitude 80.17215° covering an area of 31.61Sq.km.

There are 3172 roads, out of which 3149 roads to a length of 401.32 Km are Interior Roads, 9 Roads to a length of 6.06 Km are Bus Route Roads which are maintained by GCC and the remaining 13 roads to length of 24.76 Km are under the maintenance of Highways department and 1 Road to a length of 4.00 Km are NHAI .

The population is about 3.83 Lakhs that has Male population of 50.48% and Female population of 49.5 % in this zone. The most densed area is Maduravoyal Div. 147 with a population of 46,364 and the least is Nerkundram Div. 148 with a population of 20,819. The Ward wise population is given below,

Sl.No.	Ward. No/Name	Total House Holds	Total Population
1	143 Nolambur	9850	24623
2	144 Madhuravoil	5817	22630
3	145 Nerkundram	5710	40165
4	146 Madhuravoil	7387	25623
5	147 Madhuravoil	8929	46364
6	148 Nerkundram	5645	20819
7	149 Valasaravakkam	8365	31146
8	150 Karambakkam, Sivabootham	6199	25795
9	151 Porur	7274	22331
10	152 Valasaravakkam	8070	26186
11	153 Porur	8477	34365
12	154 Ramapuram	4486	25296
13	155 Ramapuram	7577	37893
Total		**93786**	**383236**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Chairman	143 to 155	9444015565
2	Zonal Officer	143 to 155	9445190011

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	U-32 & U-33	9445477702
2	Executive Engineer-2	U-33 A & U-34	94451 90031
3	Assistant Executive Engineer	U-32 (143,144,146,147)	9445190132
4	Assistant Executive Engineer	U-33 (145,148,149,152)	9445190133
5	Assistant Executive Engineer	U-34 (150,151,153,154, 155)	9445190134
6	Additional Divisional Engineer, Electrical	143 to 155	9445190051
7	Assistant Executive Engineer, Mechanical	143 to 155	9840230256

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservany supervisor	Unit-32	9445191433
2	Conservany supervisor	Unit-33	
3	Conservany supervisor	Unit-34	

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staffs to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone XI	9445190071
2	Veterinary Surgeon	Zone XI	9445026043
3	Junior Entomologist	Zone XI	7449195461
4	Sanitary Officer	Unit-32	9445467335
5	Sanitary Officer	Unit-33	9445190691
6	Sanitary Officer	Unit-34	9445190691

Parks

There are 46 Parks available in various locations like Nolambur, Madhuravoil, Karambakkm, Porur & Ramapuram etc. in this zone. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9941433821 Park Overseer	Power saw – 13	Valasarvakkam

Sl.No	Ward	Name Of Ward	Location of the Park
1	143	Nolambur	Phase-I 7th Main Road
2	143	Nolambur	Phase-I 3rd Main Road
3	143	Nolambur	Phase-I 9th Main Road (New)
4	143	Nolambur	Phase-II, 7th Cross Street
5	143	Nolambur	Phase-II ,3rd Cross Street
6	143	Nolambur	Phase-2 ,13th cross street
7	143	Nolambur	Phase-1,9th main road
8	143	Nolambur	Channal Road
9	143	Nolambur	Phase-I 13th Cross Street
10	143	Nolambur	MCK Layout Park
11	143	Nolambur	phase -1, 1st main road park
12	143	Nolambur	phase -1, 6th main road (road side park)
13	143	Nolambur	phase -1, 6th cross street park
14	143	Nolambur	S&P Garden 1st main road
15	143	Nolambur	VGN Monte carlo, Garden street
16	143	Nolambur	VGN Monte carlo, Park street
17	143	Nolambur	VOC Salai Park
18	143	Nolambur	S&P Garden 8th Cross Street park
19	144	Maduravoyal	VGP Amutha Nagar park
20	147	Maduravoyal	Pallavan Nagar main road
21	147	Maduravoyal	Arignar Anna park
22	147	Maduravoyal	Bharthi nagar Park
23	149	Valasaravakkam	Periyar park, Dr. Radhakrishnan Salai
24	149	Valasaravakkam	Thiru.vi.ka Gandhi Road
25	149	Valasaravakkam	Varadha park , Brindhavan Nagar 5th Street
26	149	Valasaravakkam	Alsa park Arcot Road (Near Kesavardhini Bus Stop)
27	149	Valasaravakkam	Ceebros park , Neithal Street
28	149	Valasaravakkam	Brindhavan Nagar park, Venkateshwara nagar main road
29	150	Karambakkam	Metro nagar 4th Avenue
30	150	Karambakkam	Ponni Amman Koil Street
31	150	Karambakkam	Sri Parasnath Nagar Samulal Street
32	150	Karambakkam	Maruthi Nagar Bharathiyar Street
33	150	Karambakkam	Maruthi Nagar Phase - 3 1st Main Road

34	150	Karambakkam	Subagiri Nagar Park
35	151	Porur	Lakshmi Nagar 40 feet
36	151	Porur	Sabari Nagar
37	153	Porur	Kanniappan Salai
38	153	Porur	Ramakrishna Nagar
39	153	Porur	Ramaswami Nagar
40	153	Porur	Udaya Nagar
41	153	Porur	Steriling Avenue Park
42	154	Ramapuram	Kurinji Nagar park
43	154	Ramapuram	Giri nagar park
44	155	Ramapuram	Eswaran nagar 3rd street
45	155	Ramapuram	Jai Balaji nagar 1st main road
46	155	Ramapuram	Azhagapuri nagar 6th avenue
47	155	Ramapuram	KP nagar main road
48	155	Ramapuram	Royala nagar 1st main road

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are three pumping stations available in Valasaravakkam Zone with average capacity of 6MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	Kambar street	6 MLD	20HP – 2 , 22.5HP – 2
2	Thirunagar annex	8 MLD	20HP - 3 22.5HP – 2
3	Kadamban street	6 MLD	20HP – 3 22.5HP – 2

Tamilnadu Urban Habitat Development Board

There are 4 TNUHDB tenements in Nerkundram, Ramapuram & karambakkam with a population of 6410. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers sas given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No./Name	Tenement location	No. of tenement	Population
1	148 Nerkundram	Periyar nagar Thankal karai	40	160
2	155 Ramapuram	Thirumalai nagar VOC Street	250	1000
3	150 Karambakkam, Sivabootham	Gandhi nagar	150	750
4	150 Karambakkam, Sivabootham	Thundalam anna nagar	500	1500
		Total	**940**	**3410**

Contact details

Department	Designation	Area	Contact No.
TNUHDB	Executive Engineer	14	044- 28444973
Conservancy/ GCC	Conservancy Supervisor	Unit-32	9445191432
Conservancy/ GCC	Conservancy Supervisor	Unit-33	9445191433
Conservancy/ GCC	Conservancy Supervisor	Unit-34	9445191434
Water Sup-ply& Sewage / CMWSSB	Area Engineer	Area - 11	044-24867244

Water Bodies and Waterways

There are 3 Canals passing in this Zone, **(1) Nolambur canal,** maintained by PWD which originates from Nolambur travel about 4 Km in the zone and disposes via Gangaiamman koil street and then melds at Coovum river, **(2) Virugambakkam canal,** maintained by PWD which touches the zone at Bhuvaneswari nagar travels about 1.5 Km in the zone and disposes through Spurtank road and connects Coovum river and **(3) Nandambakkam canal,** maintained by PWD which touches the zone at Subhasree nagar travels about 1.42 Km in the zone and disposes at the rear side of MIOT hospital and drain into Adyar river.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canals maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness

measure. Storm Water Drains were constructed by GCC for a distance of 130 km to ease the flow of rain water .The details of various water bodies in this zone are listed below,

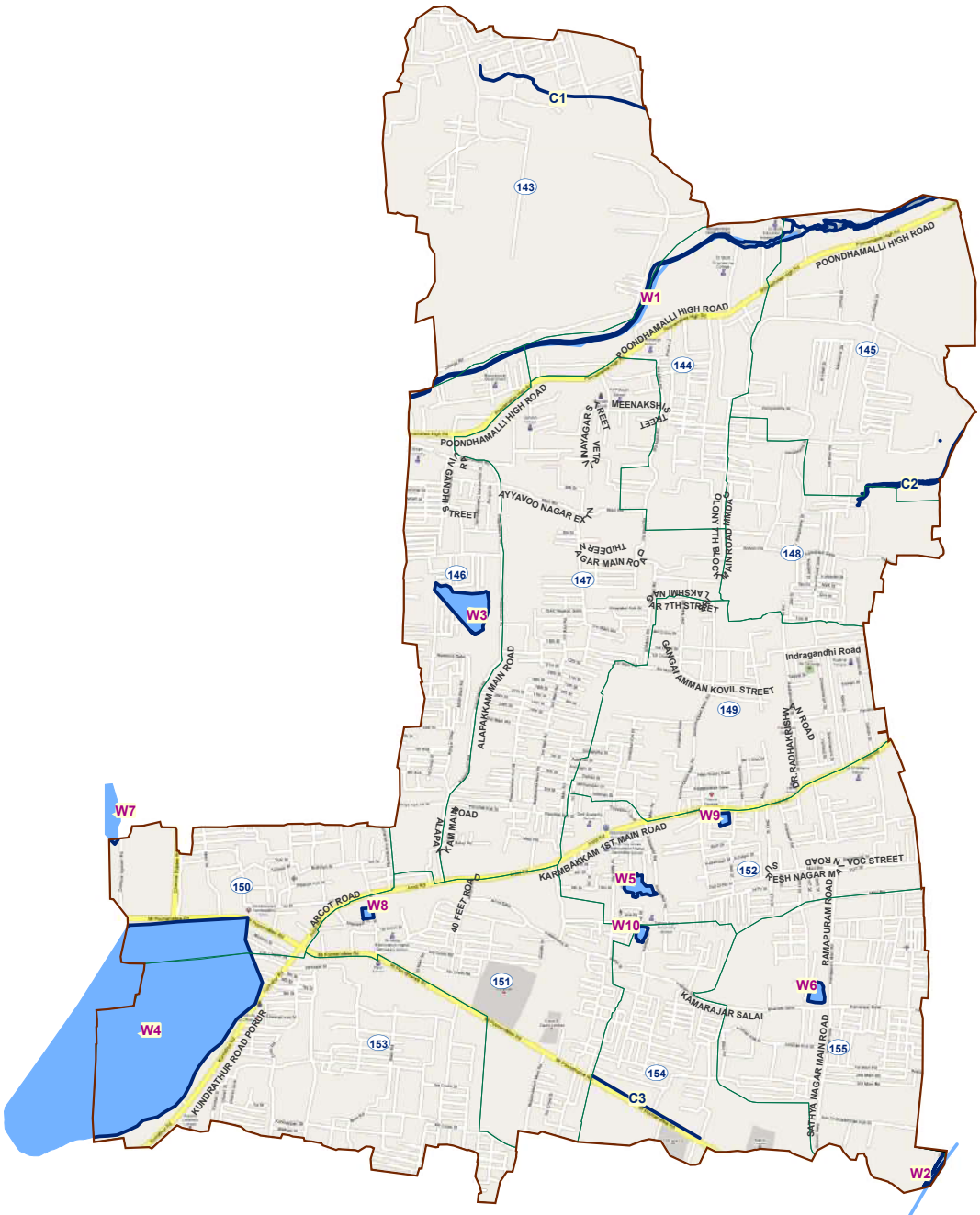
Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Nolambur canal	143	Nolambur	Cooum	4.0
2	Virugambakkam canal	148	Bhuvaneshwari Nagar	Cooum	1.5
3	Nandambakkam canal	154	Subhasree Nagar	Adyar	0.6

Other water bodies

Sl No	Ward No	Name of other water bodies	Length / Area
1	144 & 150	Coovum river	3 km
2	155	Adyar River	1 Km
3	146	Alappakkam lake	10 acre
4	150	Porur lake	69000 m^2
5	152	Valasaravakkam lake (Mohan breweries lake)	1.4 acre
6	155	Ramapuram lake	1.5 hec
7	150	Chettiyar agaram Tank	84900 m^2
8	151	Anjaneyar koil pond	4220 m^2
9	152	Sivan koil pond	1.5 acre
10	154	Alangulam pond	580 m^2

ZONE XI - WATER BODIES



CANAL

OTHER WATER BODIES

Canals

ID	Name of the Canal	Wards	From	To	Length of Canal (Km)
C1	Nolambur canal	143	Nolambur	Cooum	4
C2	Virugambakkam canal	148	Bhuvaneshwari Nagar	Cooum	1.5
C3	Nandambakkam canal	154	Subhasree Nagar	Adyar	0.6

Other Water Bodies

ID	Ward	Name of other water bodies	Length / Area
W1	144	Coovum river	3 km
W2	155	Adyar River	3 Km
W3	146	Alappakkam lake	10 acre
W4	150 & 153	Porur lake	69000 m^2
W5	152	Mohan breweries lake	1.4 acre
W6	155	Ramapuram lake	7 acre
W7	150	Chettiyar agaram Tank	84900 m^2
W8	151	Anjaneyar koil pond	4220 m^2
W9	152	Sivan koil pond	2 acre
W10	154	Alangulam pond	580 m^2

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, Integrated Storm water drain to a length of 248.22 Km was constructed to ease the flow of rain water in Valasaravakkam zone. The details of existing SWD, Side drain are given below..

Sl. No	Dn. No.	Total SWD	
		No of Drain.	Length in Km
1	143	24	7.95
2	144	62	8.90
3	145	139	23.78
4	146	107	16.44
5	147	79	17.73
6	148	190	26.32
7	149	139	23.78
8	150	119	24.71
9	151	133	10.06
10	152	46	9.32
11	153	179	45.42
12	154	99	17.07
13	155	77	16.74
Total		**1393**	**248.22**

Water stagnated streets in the monsoon 2015 - heavy rainfall

During the last monsoon, 84 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified vulnerable spots and the actions taken to dispose the rain water in each location are as below,

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	143 Nolambur	Gajalakshmi nagar	5 HP	Gajalakshmi nagar 5th street	Disposed to Coovum river
2	143 Nolambur	VG-N nagar(Phase-III)	7.5 HP	VG-N nagar(Phase-III) 2nd cross street	Disposed to service road
3	143 Nolambur	Sakthi nagar	5 HP	Sakthi nagar 2nd avenue	Disposed to sriram nagar
4	143 Nolambur	VGN nagar	5 HP	Pada salai cross street	Disposed to sriram nagar
5	143 Nolambur	Vembuli amman koil street	5 HP	Vembuli amman koil street	Disposed toPhase I 8th main road
6	144 Madhuravoil	MMDA Colony 4th , 5th & 6th block	5 HP	MMDA Colony 4th , 5th & 6th block	MMDA Colony SWD
7	144 Madhuravoil	Varalakshmi nagar	10 HP	Varalakshmi nagar	Varalakshmi nagar SWD
8	144 Madhuravoil	Nagathamman koil street	5 HP	Nagathamman koil street	Varalakshmi nagar SWD
9	144 Madhuravoil	VGP Amudha nagar	5 HP	VGP Amudha nagar	-
10	144 Madhuravoil	MSP nagar	5 HP	MSP nagar	-
11	144 Madhuravoil	Om sakthi nagar	5 HP	Om sakthi nagar	-
12	144 Madhuravoil	PH road	5 HP	PH road	-
13	144 Madhuravoil	Abirami nagar main road	5 HP & 10 HP	Abirami nagar main road	-
14	145 Nerkundram	Pallavan Nagar	5 HP, 7HP & 10 HP	Pallavan Nagar	-
15	145 Nerkundram	Ambiga nagar	100 HP, 80 HP & 10 HP	Ambiga nagar	-
16	145 Nerkundram	Sakthi nagar	10 HP	Sakthi nagar	-

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
17	145 Nerkundram	Krishna nagar	80 HP, 10 HP	Krishna nagar	-
18	145 Nerkundram	Palvadi street	5 HP	Palvadi street	-
19	145 Nerkundram	Alagammal nagar	5 HP	Alagammal nagar	-
20	145 Nerkundram	Janakiram colony	5 HP	Janakiram colony	-
21	146 Madhuravoil	Ganapathi nagar	5 HP	Ganapathi nagar	-
22	146 Madhuravoil	Dhanalakshmi nagar	5 HP	Dhanalakshmi nagar	-
23	147 Madhuravoil	Krishna nagar	5 HP	Krishna nagar	-
24	147 Madhuravoil	Pallvan nagar	5 HP	Pallvan nagar	-
25	147 Madhuravoil	Alapakkam main road	10 HP	Alapakkam main road	-
26	147 Madhuravoil	Vetri vinayagar koil	5 HP	Vetri vinayagar koil	-
27	148 Nerkundram	NSK street	5 HP	NSK salai	Disposed to Thiruvalluvar salai SWD
28	148 Nerkundram	VOC Street	5 HP	VOC Street	Disposed to Thiruvalluvar salai SWD
29	148 Nerkundram	Gandhi street	5 HP	Gandhi street	Disposed to Thiruvalluvar salai SWD
30	148 Nerkundram	Anbu nagar	5 HP, 10 HP, 25 HP, & 15 HP	Anbu nagar 6th,7th street & Near 5th street vacant land	Disposed to Pond
31	148 Nerkundram	Balaji nagar	5 HP	Balaji nagar	Pillayar koil street SWD
32	148 Nerkundram	Saraswathi nagar	5 HP	Saraswathi nagar	Thiruvalluvar salai SWD

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
33	148 Nerkundram	Balavinayagar street	5 HP, 8 HP & 10 HP	Balavinayagar , Thankal karai	Jayaram nagar 1st main road SWD
34	148 Nerkundram	CDN nagar	5 HP & 10 HP	CDN nagar	NT patel road ,CDN SWD
35	148 Nerkundram	Periyar nagar thankal karai	8 HP & 10 HP	Periyar nagar thankal karai	Mettukuppam salai SWD
36	149 Valasaravakkam	Velan nagar	8 HP & 10 HP & 25 HP	Radha avenue 4th , 5th, 3rd street	Indra gandhi salai SWD
37	149 Valasaravakkam	Radha avenue	10 HP motor	Srilakshmi nagra 3rd , 5th,11th street	Anbu nagar 2nd street SWD
38	149 Valasaravakkam	Anbu nagar	10 HP & 8 HP motor	Anbu nagar 2nd street	Anbu nagar main road SWD
39	149 Valasaravakkam	Sri Lakshmi nagar	10 HP	Srilakshmi nagra 3rd , 5th,11th street	Radha avenue main roadSWD
40	150 Karambakkam, Sivabootham	Doss main road	5 HP	Near by TVK 2nd street	Disposed to By pass service road
41	150 Karambakkam, Sivabootham	Sannathi street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
42	150 Karambakkam, Sivabootham	Bharathiyar street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
43	150 Karambakkam, Sivabootham	Natarajan street	5 HP	Near by TVK 2nd street	Disposed to By pass service road
44	150 Karambakkam, Sivabootham	Thiruveethiamman koil st	7.5 HP	Moorthy nagar	Disposed to By pass service road
45	150 Karambakkam, Sivabootham	Thundalam perumal koil street	7.5 HP	Moorthy nagar	Disposed to By pass service road
46	150 Karambakkam, Sivabootham	Sri Parasnath nagar main road	20 HP	Maruthi nagar 3rd street	Disposed to By pass service road

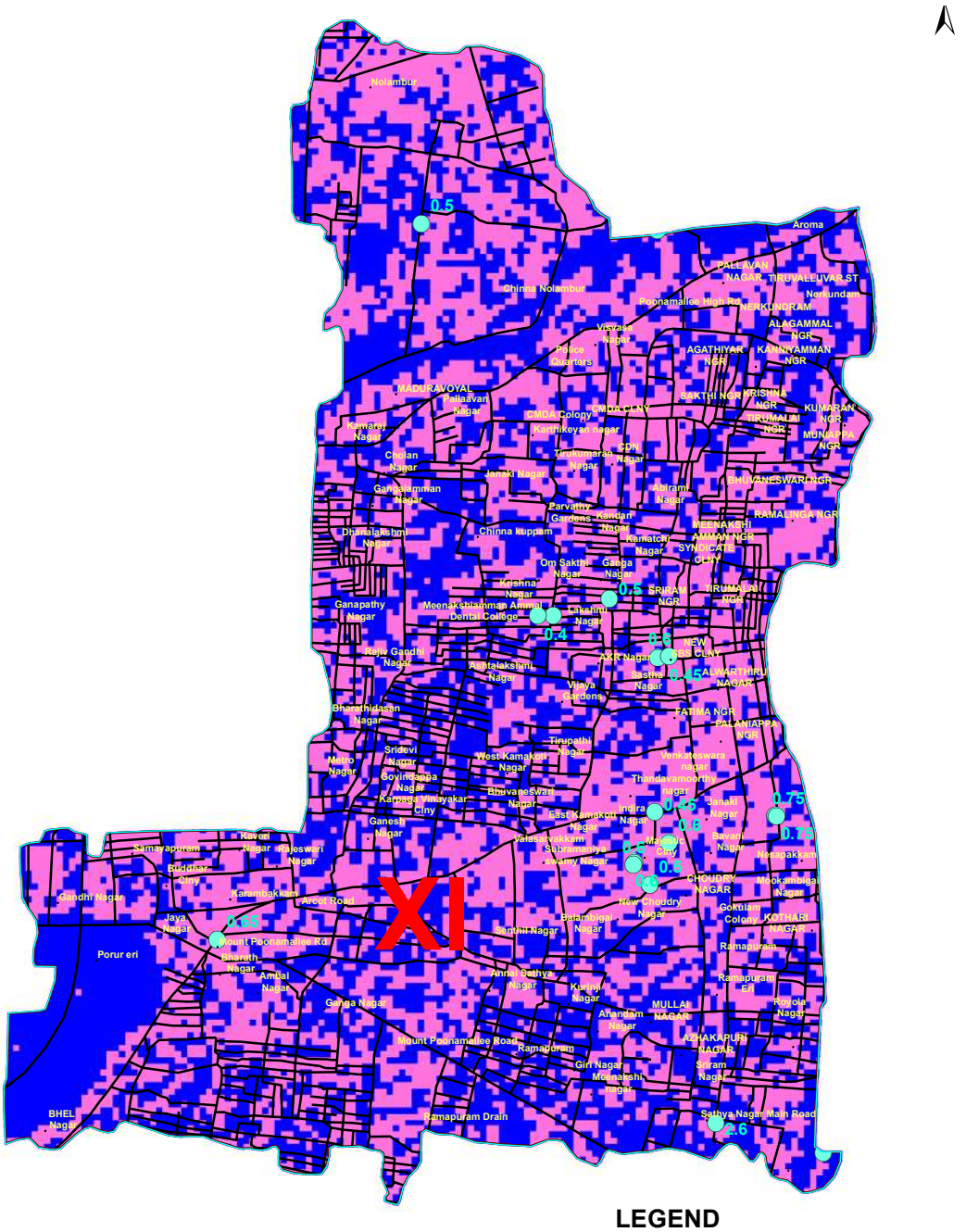
S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
47	150 Karambakkam, Sivabootham	Punniyakkotti nagar main road	-	Maruthi nagar 3rd street	Disposed to By pass service road
48	150 Karambakkam, Sivabootham	Avvai street	5 HP	Samayapuram 5th street	Disposed to By pass service road
49	150 Karambakkam, Sivabootham	Mullai street	7.5 HP	Samayapuram 5th street	Disposed to By pass service road
50	150 Karambakkam, Sivabootham	Arcot road	7.5 HP and 10.5 HP	Kanna street	A1 Mutton stall
51	150 Karambakkam, Sivabootham	Sai karna villa	10 HP	-	Disposed to By pass service road
52	150 Karambakkam, Sivabootham	Moorthi nagar	10 HP and 7.5 HP	-	Disposed to By pass service road
53	151 Porur	Arcot road (ETA Building)	5 HP and 7 HP	In front of ETA Building	Disposed to Lakshmi nagar 40 feet road SWD
54	152 Valasaravakkam	Sairam avenue	10 HP	Sairam avenue 1st & 2nd st	Arcot road
55	152 Valasaravakkam	SVS nagar main road	30 HP	SVS nagar main road	Disposed to Kambar street dn 151
56	152 Valasaravakkam	SVS nagar annex	20 HP	SVS nagar annex	Disposed to Kambar street dn 151
57	152 Valasaravakkam	Janakiram 6th street	5 HP	Janakiram 6th street	SWD Prakasam street
58	152 Valasaravakkam	Veerappa nagar	5 HP	Veerappa nagar	Arcot road
59	152 Valasaravakkam	Om Sakthi nagar 3rd,4th street	10 HP	Om Sakthi nagar 3rd,4th street	Omsakthi nagar main road SWD
60	152 Valasaravakkam	Majestic colony	10 HP	Jn of Chowdry nagar & Alagiri street	Chowdry nagar 5th street SWD

S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
61	152 Valasaravakkam	Madurai meenatchi nagar	10 HP	Madurai meenatchi nagar main road	Majestic colony main road SWD
62	152 Valasaravakkam	Subramaniya swamy nagar	30 HP	Subramaniya swamy nagar	Dr,Ambedkar road SWD
63	153 Porur	Ganesh avenue 1st to 10th street	10 HP	Ganesh avenue 9th street Corner	Ganesh avenue 8th street SWD
64	153 Porur	Ramakrishna nagar 6th avenue	5 HP	Ramakrishna nagar 6th avenue centre	Udaya nagar SWD
65	153 Porur	RE nagar 1 & III street (East)	10 HP	RE nagar 1 street (East)	Eswaran koil street SWD
66	153 Porur	Ekambaram street	10 HP	Ekambaram street centre	Suresh nagar 4th street
67	153 Porur	R.K.Nagar 6th Avenue	5 HP	Ramakrishna nagar 6th avenue centre	Udaya nagar SWD
68	153 Porur	Suresh nagar 4th street	5 HP	Suresh nagar 4th street middle	Udaya nagar SWD
69	153 Porur	Ramasamy nagar main road	5 HP	Ramasamy nagar main road middle	Udaya nagar SWD
70	153 Porur	Kundrathur main road	10 HP	RE nagar 1st street	RE nagar 1st street SWD
71	154 Ramapuram	Kurinji nagar 2nd street	5 HP	Kurinji nagar 2nd street	Bharathi salai
72	154 Ramapuram	Bharathi salai	10 HP	Bharathi salai	Disposed to Bharathi salai SWD
73	154 Ramapuram	Balambigai nagar 5th street	10 HP	Balambigai nagar 5th street	Disposed to Balambigai nagar 5th streetSWD
74	154 Ramapuram	Kulakarai south street	10 HP	Kulakarai south street	Disposed to Kambar salai Side drain

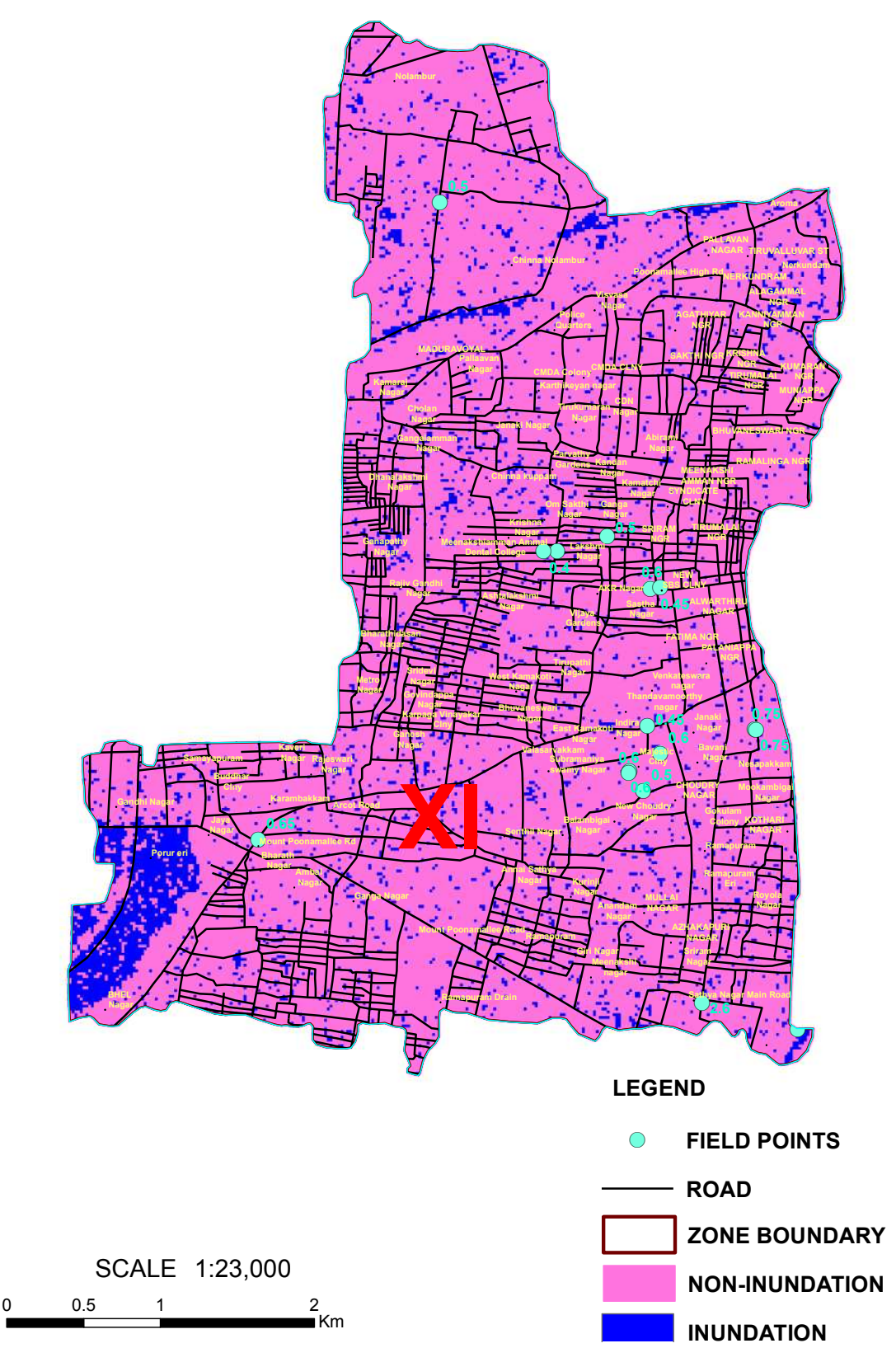
S. No	Ward/Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
75	155 Ramapuram	Amman nagar	When Adayar river level decreased automatically went to storm water drains.	-	-
76	155 Ramapuram	Royala nagar		-	-
77	155 Ramapuram	Kalasathamman koil street		-	-
78	155 Ramapuram	Chellammal nagar		-	-
79	155 Ramapuram	Michel garden		-	-
80	155 Ramapuram	Thiruvalluvar salai (Part)		-	-
81	155 Ramapuram	Bakthi vedhandha avenue		-	-
82	155 Ramapuram	Kothari Nagar	10 HP	Kothari nagar 1st main road , 9th ,8th street	Disposed to Thiruvalluvar salai SWD, Senthamil nagar SWD
83	155 Ramapuram	Thirumalai Nagar	10 HP	Angel street	Disposed to Balakrishna nagar main road
84	155 Ramapuram	Gangaiya avenue	10 HP	Gangaiah avenue 1st street	Kamarajar salai

Anna University has mapped the areas inundated in this zone during 2005 flood by crowd source method.The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

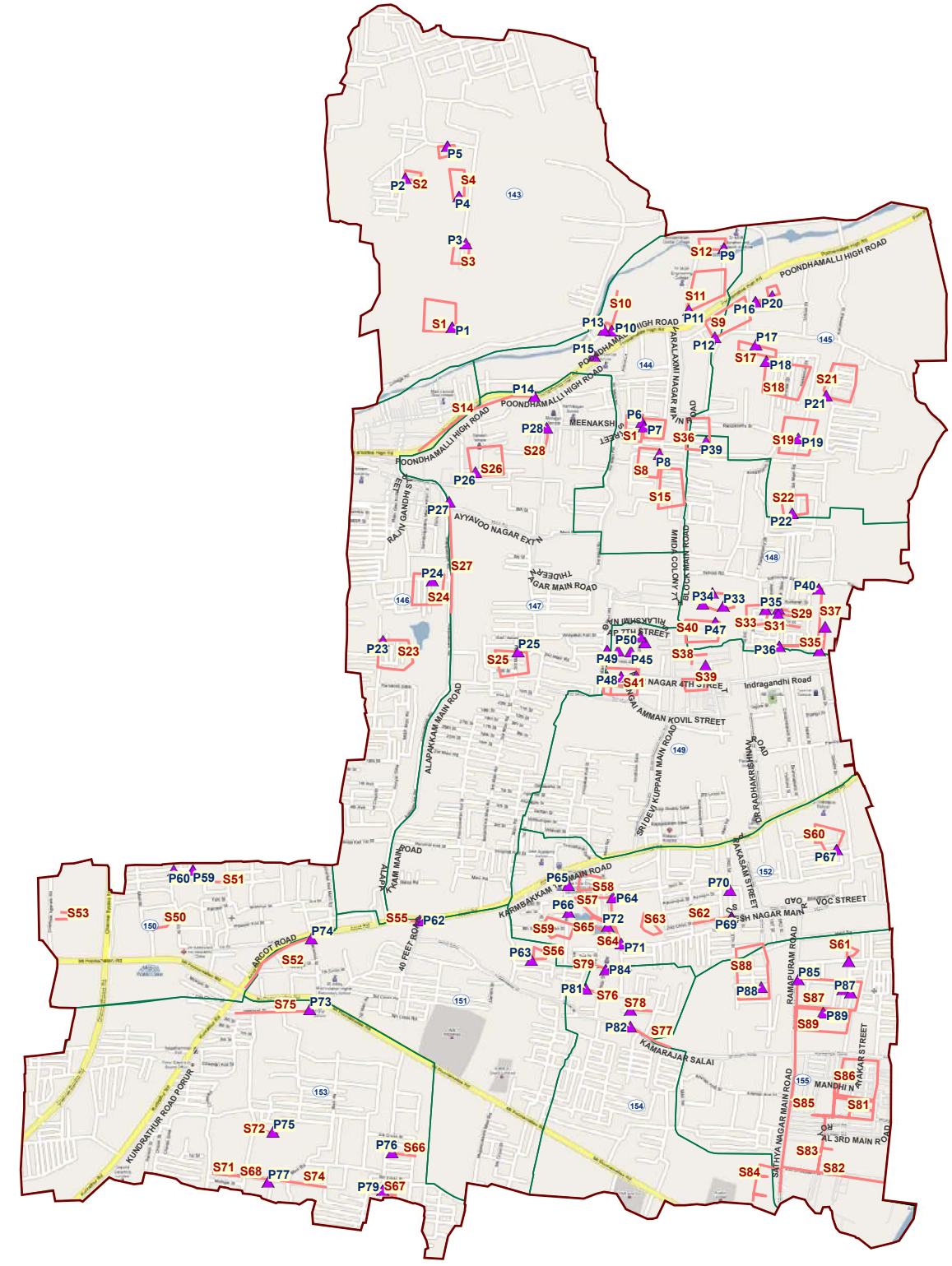

XI
0.5
0.4
0.5
0.45
0.46
0.75
0.6
0.6
0.6

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE XI

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

ZONE XI

EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

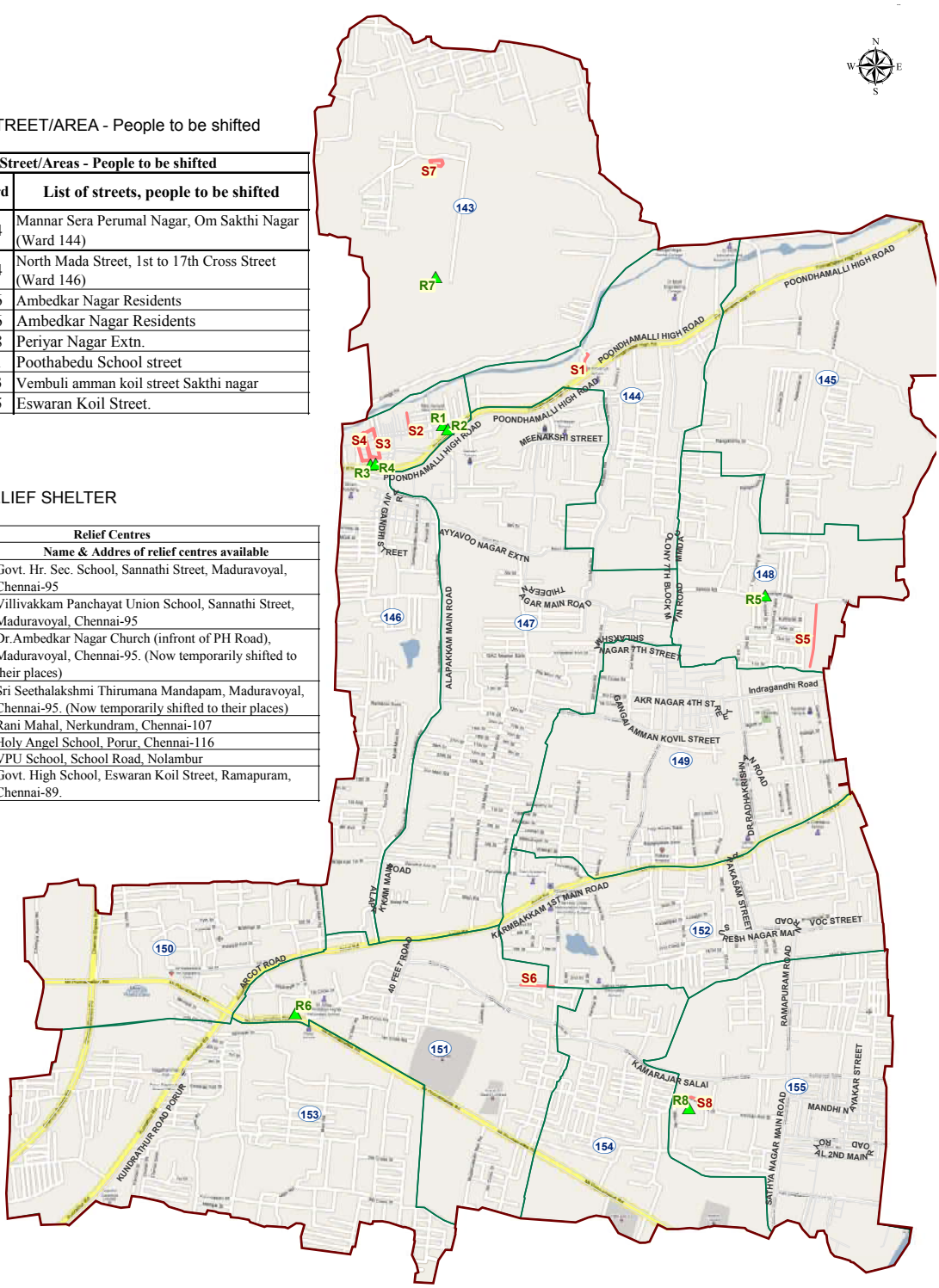
Street/Areas - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	144	Mannar Sera Perumal Nagar, Om Sakthi Nagar (Ward 144)
S2	144	North Mada Street, 1st to 17th Cross Street (Ward 146)
S3	146	Ambedkar Nagar Residents
S4	146	Ambedkar Nagar Residents
S5	148	Periyar Nagar Extn.
S6	151	Poothabedu School street
S7	143	Vembuli amman koil street Sakthi nagar
S8	155	Eswaran Koil Street.

RELIEF SHELTER

Relief Centres

ID. No.	Ward	Name & Addres of relief centres available
R1	144	Govt. Hr. Sec. School, Sannathi Street, Maduravoyal, Chennai-95
R2	144	Villivakkam Panchayat Union School, Sannathi Street, Maduravoyal, Chennai-95
R3	146	Dr.Ambedkar Nagar Church (infront of PH Road), Maduravoyal, Chennai-95. (Now temporarily shifted to their places)
R4	146	Sri Seethalakshmi Thirumana Mandapam, Maduravoyal, Chennai-95. (Now temporarily shifted to their places)
R5	148	Rani Mahal, Nerkundram, Chennai-107
R6	151	Holy Angel School, Porur, Chennai-116
R7	143	VPU School, School Road, Nolambur
R8	155	Govt. High School, Eswaran Koil Street, Ramapuram, Chennai-89.



Water stagnated streets in the monsoon 2015 - mild rainfall

S.No.	ward	Name of the Street
1	145	Sivanthi Avenue
2	147	Thiraviyam Nagar 1st Street
3	147	27th Street
4	150	Mullai Street
5	150	Thundalam Anna Nagar
6	150	Ponni Nagar
7	151	Anna Salai (Highways)
8	151	Arcot Road (Jn. of Thirumurugan Nagar) (High-ways)
9	151	Arcot Road (Porur Junction)(Highways)
10	151	Kuppusamy Street (Highways)
11	152	Majestic Colony
12	152	Veerapa Nagar
13	152	Janaki Nagar
14	155	Bharathi Salai
15	155	Thiruvalluvar salai
16	155	Kamarajar salai

Water stagnated streets in the monsoon 2015 - moderate rainfall

S.No	ward	Name of the Street
1	149	Palaniappa Nagar Main Road
2	150	Arunachalam Nagar
3	150	Rajeshwari Nagar
4	150	Mothi Nagar
5	150	Padmavathy Nagar
6	150	Sivaboothamedu
7	151	Anna Salai (Highways)
8	151	Arcot Road (Jn. of Thirumurugan Nagar) (Highways)
9	151	Arcot Road (Porur Junction)(Highways)

S.No	ward	Name of the Street
10	151	Kuppusamy Street (Highways)
11	151	Arcot Road (infront of ETA)
12	153	Kundrathur Main Road (Porur Junction)(Highways)
13	153	Kundrathur Main Road (EB Office Opposite)
14	153	Ganesh Avenue 8th Street
15	153	Ganesh Avenue 9th Street
16	153	Sterling Avenue Main Road
17	153	Subashree Nagar Main Road
18	155	Gangaiya avenue 1st St
19	155	Gangaiya avenue 2nd St
20	155	KP Nagar 2nd Cross street
21	155	Sriram Nagar 3rd Street
22	155	Kothari Nagar 1st main road
23	155	Kothari Nagar 9th Street
24	155	Kothari Nagar 10th Street
25	155	Kothari Nagar 11th Street
26	155	Thirumalai Nagar Angel Street
27	155	Thirumalai Nagar Angel Street lane
28	155	KarpagambalNagar 2nd Street

Water Stagnation during monsoon (2022-23)

S.No	Dn	Water Stagnation Location
1	150	Arcot road near Mahalakshmi nagar
2	151	Mount poonamallee high road, service road
3	151	Arcot road, Arasu TVS
4	151	Arcot road near A1 Mutton stall
5	152	Thiruvalluvar salai

S.No	Dn	Water Stagnation Location
6	155	Bakthivedhantha avenue
7	155	Ramapuram lake
8	155	Rayala nagar 2nd street
9	143	Padasalai cross street
10	143	VGN Nagar phase I, 2nd cross street
11	145	Chelliamman koil street
12	145	Sakthi nagar 8th street
13	146	Srilakshmi nagar, MGR Street
14	146	Bharathidasan Nagar 10th street
15	146	Bharathidasan Nagar 2nd main road
16	147	Perumal koil street
17	147	Ganga nagar Gandhi street
18	151	SVS Nagar 1st main road
19	153	Ganesh Avenue 8th street
20	153	Subasree Nagar Extn main road
21	155	Kothari Nagar 6th street
22	143	Tatia nagar phase – III
23	143	Tatia nagar phase – II
24	145	Pallavan Nagar
25	144	Madha koil street
26	144	MMDA colony 7th blcok main road (Part)
27	146	Rajiv gandhi nagar , MGR Street

S.No	Dn	Water Stagnation Location
28	146	Rajiv gandhi nagar, Periyar street
29	150	Indira Nagar
30	150	Ponniyamman koil street
31	150	Thiru.vi.ka nagar main road
32	151	Ambedkar road
33	151	School street
34	155	Jai balaji nagar

Stagnation of water in streets due to sewer blocks

Sl. No.	ward /Name	Name of the Streets	No. of manholes
1	149, Valasaravakkam	Velan Nagar, Lakshmi nagar,Radha nagar,Radha avenue	13
2	152, Valasaravakkam	Janaki nagar 6th street,Omsakthi nagar 3rd & 4th street,Sairam avenue 1st & 2nd street,Kadambadiamman sannathi street,SVS nagar annex 1st , 2nd & 3rd street	31
		Total	**44**

Relief Centres

There are 8 relief centres to a total capacity of 1920 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
1	144	711	Govt. Hr. Sec. School, Sannathi Street, Maduravoyal, Chennai-95	Mannar Sera Perumal Nagar, Om Sakthi Nagar (Ward 144)	Yes	Yes	No	Sanitation, Medicine	SI	9445025945
								Evacuation	AE	9445190444
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190444
2	144	301	Villivakkam Panchayat Union School, Sannathi Street, Maduravoyal, Chennai-95	North Mada Street, 1st to 17th Cross Street (Ward 146),	Yes	Yes	No	Sanitation, Medicine	SI	9445025945
								Evacuation	AE	9445190444
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190444
3	146	289	Dr.Ambedkar Nagar Church (infront of PH Road), Maduravoyal, Chennai-95. (Now temporarily shifted to their places)	Ambedkar Nagar Residents	Yes	Yes	No	Sanitation, Medicine	SI	9445025946
								Evacuation	AE	9445190446
								Food& Drinking water	ARO	9445190091
								Relief Materials	AE	9445190446

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
4	146	266	Sri Seethalakshmi Thirumana Mandapam, Maduravoyal, Chennai-95. (Now temporarily shifted to their places)	Ambedkar Nagar Residents	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025946
								Evacuation	AE	9445190446
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190446
5	148	184	Rani Mahal, Nerkundram, Chennai-107	Periyar Nagar Extn., Mettukuppam high Road.	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025948
								Evacuation	AE	9445190448
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190448

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
6	151	69	Holy Angel School, Porur, Chennai-116	Poothabedu School street	Yes	Yes	No	Sanitation, Medicine	SI	9445025951
								Evacution	AE	9445190451
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190451
7	143	51	VPU School, School Road, Nolambur	Vembuli amman koil street Sakthi nagar	Yes	Yes	No	Sanitation, Medicine	SI	9445025944
								Evacuation	AE	9445190445
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190445
8	155	49	Govt. High School, Eswaran Koil Street, Ramapuram, Chennai-89.	Eswaran Koil Street.	Yes	Yes	No	Sanitation, Medicine	SI	9445025953
								Evacuation	AE	9445190455
								Food & Drinking water	ARO	9445190091
								Relief Materials	AE	9445190455

Subway

There is no subway as of now available in this zone.

Tree fall

During the last monsoon, in valasaravakkam zone totally 54 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

S.No	Ward	Name of the Street
1	143	Gajalakshmi nagar 4th street
2	144	Poonamallee high Road near UPHC
3	145	Karuneegar Street
4	147	Janaki Nagar 5th Street
5	149	Murlikrishna nagar main road
6	149	Velan nagar 9th street
7	149	Velan nagar 5th street
8	149	AKR nagar 1st main road
9	150	Maruthi Nagar
10	151	Chinna Porur
11	152	Thirupathi Nagar 2nd Cross Street
12	154	Shanthi Nagar Kannappan Street
13	155	Kothari Nagar 7th Street and 8th Street
14	155	Annai Sathya Nagar

Streets - where water entered houses - do not require evacuation

During the last monsoon, 36 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 36 locations were inundated for more than a day by which the normal day to day activity of 2500 people were stand-stilled. Flood water from these areas were cleared by using 75 pumps rangining from 5 HP to 100 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward/Name	Name of the area/ streets
1	145 Nerkundram	Pallavan nagar
2	145 Nerkundram	Sakthi nagar
3	145 Nerkundram	Krishna nagar
4	145 Nerkundram	Palvadi street
5	145 Nerkundram	Janakiraman colony
6	147 Madhuravoil	Krishna nagar 1st , 10th, 28th 7th street
7	147 Madhuravoil	Pallvan nagar ext
8	147 Madhuravoil	Pallvan nagar 1st main road
9	148 Nerkundram	NSK street
10	148 Nerkundram	VOC Street
11	148 Nerkundram	Anbu nagar
12	150 Karambakkam, Sivabootham	Doss main road
13	150 Karambakkam, Sivabootham	Sannathi street

Sl.No.	Ward/Name	Name of the area/ streets
14	150 Karambakkam, Sivabootham	Bharathiyar street
15	150 Karambakkam, Sivabootham	Natarajan street
16	150 Karambakkam, Sivabootham	MGR salai
17	150 Karambakkam, Sivabootham	Thiruvalliamman koil st
18	150 Karambakkam, Sivabootham	Mullai st
19	150 Karambakkam, Sivabootham	Moorthi nagar main road
20	150 Karambakkam, Sivabootham	Moorthi nagar 1st
21	150 Karambakkam, Sivabootham	Moorthi nagar 3rd st
22	150 Karambakkam, Sivabootham	Moorthi nagar 2nd st
23	152 Valasaravakkam	Kadambadiamman koil sannathi st
24	152 Valasaravakkam	Janaki nagar 6th street
25	152 Valasaravakkam	Sairam avenue
26	152 Valasaravakkam	Majestic colony
27	152 Valasaravakkam	Veerappa nagar
28	154 Ramapuram	Gangai amman koil street

Sl.No.	Ward/Name	Name of the area/ streets
29	154 Ramapuram	Chinna street
30	155 Ramapuram	Gangaiya avenue
31	155 Ramapuram	Amman nagar
32	155 Ramapuram	Royala nagar
33	155 Ramapuram	Kalasathamman koil street
34	155 Ramapuram	Michel garden
35	155 Ramapuram	Thiruvalluvar salai (Part)
36	155 Ramapuram	Bajanai Kovil Street

Streets that require evacuation

During the heavy flood that occurred in 2015, in valasaravakkam zone there were 195 people were evacuated from Periyar nagar and Chinna porur and they were accomodated in Rani Mahal and Gym building. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below.

Sl. No.	ward /Name	Streets	No. of persons	Year	Relief centre
1	148 Nerkundram	Periyar nagar	160	2015	Rani mahal
2	151 Porur	Chinna porur	35	2015	Gym building
		Total	**195**		

Flood relief centres identified for previous monsoon(2022-23)

S. No.	Zone	Div.	Name ot the Relief Centre
1	11	143	V.P.U. Pallikudda Salai, Nolambur.
2	11	144	Govt.Hr Sec. School, Shannathi St, Maduravoyal

S. No.	Zone	Div.	Name ot the Relief Centre
3	11	146	Shri Seethalakshmi Thirumana Mandapam, Maduravoyal
4	11	148	Rani Mahal, Nerkundram
5	11	155	Govt.High School, Easwaran Koil St, Ramapuram.

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 8 battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	143,144 & 146	Junior Engineer	9445477687
2	149,152&147	Junior Engineer	9445191459
3	150,151&153	Junior Engineer	9445477684
4	145 &148	Assistant Engineer	9445477685
5	154&155	Assistant Engineer	9445477686
6	143 to 155	Additional divisional Engineer (Zone)	9445190051
7	143 to 155	Divisional Engineer (HQ)	9445190752

National Disaster Response Force (NDRF)

The NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	149	Radhar avenue and velan nagar
2	155	Amman nagar and Royala nagar (1Team -28 Nos)

NDRF

The Commandant,
04, Battalion (NDRF)
Suraksha Campus,Takkolam,
Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



LAKSHMI NAGAR 3RD MAIN ROAD

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Locations	Contact person & Number
1	146	SVS Nagar	SVSNagar1st Main Road	AssistantEngineer 9445190451
2	149	AmmanNagar	Amman Nagar vimalaconvent matriculation school	AssistantEngineer 9445190455

ZONE XI

EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS

EVACUATION AREA

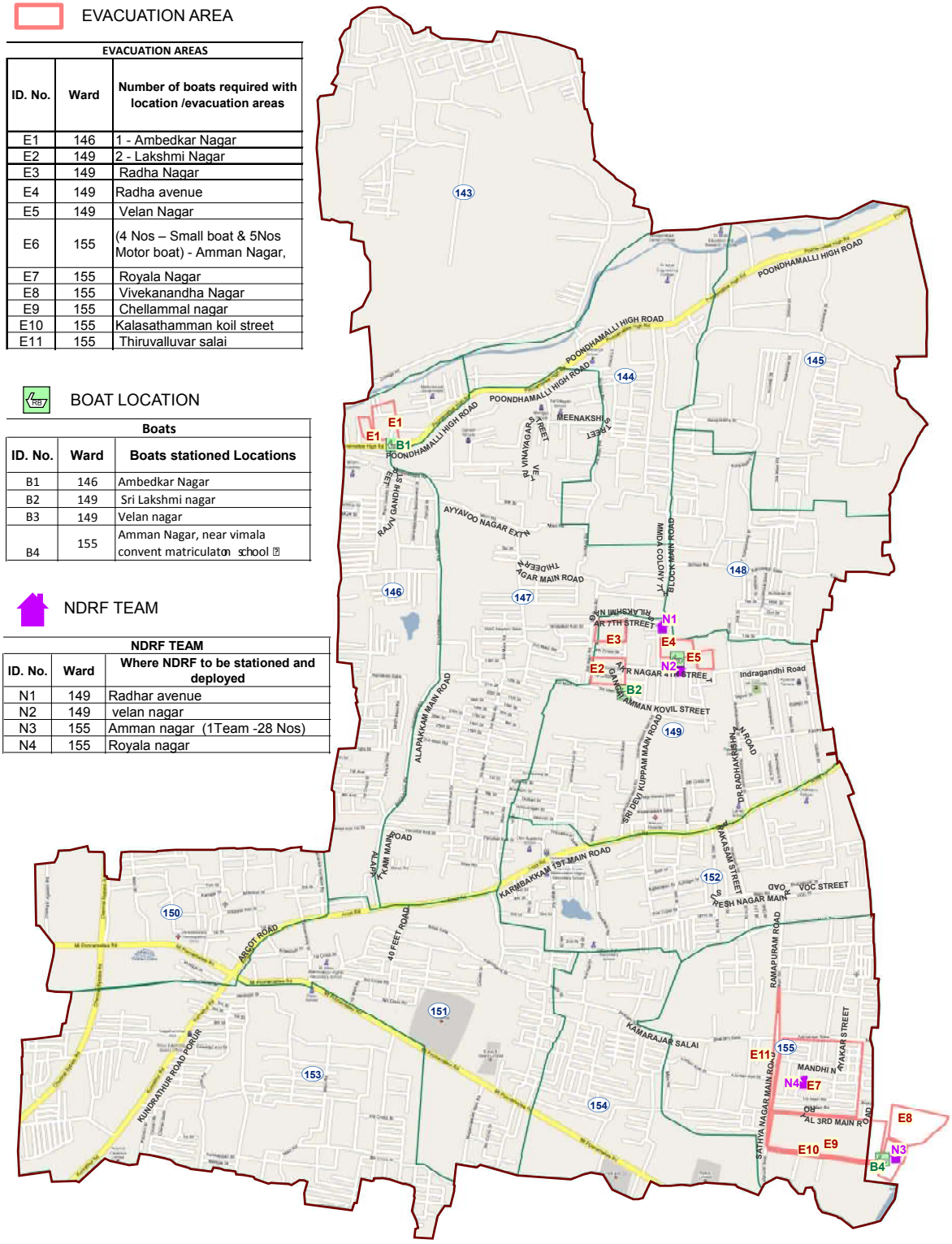
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	146	1 - Ambedkar Nagar
E2	149	2 - Lakshmi Nagar
E3	149	Radha Nagar
E4	149	Radha avenue
E5	149	Velan Nagar
E6	155	(4 Nos – Small boat & 5Nos Motor boat) - Amman Nagar,
E7	155	Royala Nagar
E8	155	Vivekanandha Nagar
E9	155	Chellammal nagar
E10	155	Kalasathamman koil street
E11	155	Thiruvalluvar salai

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	146	Ambedkar Nagar
B2	149	Sri Lakshmi nagar
B3	149	Velan nagar
B4	155	Amman Nagar, near vimala convent matriculaton school

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	149	Radhar avenue
N2	149	velan nagar
N3	155	Amman nagar (1Team -28 Nos)
N4	155	Royala nagar



Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 3 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below.

No. of lorries and type kept in readiness
Debrislorry -5
Skidsteerloaders(Bobcat) - 4
(Frontendloader)JCB -1
BOV -2
Dog & Cattle Catcher -2
Water tanker Lorry -1
Ambulance -1

Mechanical Department	contact No
Assistant Engineer.	9445190491 / 9043361361

Less than 2.5m streets / lanes that cannot be accessed by Vehicles

Sl.No	ward /Name	Street Names
1	143 Nolambur	Gajalakshmi nagar Main Road,Padasalai Street,Perumal Koil street,TNHB IV Block
2	144 Madhuravoil	Nagathamman koil street,VGP Amudha nagar,MSP nagar,Om sakthi nagar
3	145 Nerkundram	Pallavan Nagar, Sakthi nagar, Krishna nagar
4	149 Valasaravakkam	Velan nagar, Radha avenue,Syndicate Colony,Sri Lakshmi nagar
5	152 Valasaravakkam	SVS nagar main road,Veerappa nagar

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 143
Ward Councillor - 9445467143

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190443
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025949
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190643
GCC - Revenue	Tax Collector	9884224053
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930143
TANGEDCO	Junior Engineer	9445850336/5
BSNL	Assistant Engineer	9445010700
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	9498100117
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 144
Ward Councillor -9445467144

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190443
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025946
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190643
GCC - Revenue	Tax Collector	7395979897
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930144
TANGEDCO	Junior Engineer	9445850304/5/7
BSNL	Assistant Engineer	9444953548
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	4423452766
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 145
Ward Councillor -9445467145

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190445
GCC - Electrical	Assistant Engineer	9445477685
GCC- Health	Sanitary Inspector	9445025949
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190645
GCC - Revenue	Tax Collector	6374002058
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930268
TANGEDCO	Junior Engineer	9445850307
BSNL	Assistant Engineer	9444965556
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04424873820 / 9498113857
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 146
Ward Councillor -9445467146

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190446
GCC - Electrical	Assistant Engineer	9445477687
GCC- Health	Sanitary Inspector	9445025946
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190646
GCC - Revenue	Tax Collector	7395979897
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930146
TANGEDCO	Junior Engineer	9445850304/5/7
BSNL	Assistant Engineer	9444000272
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	4423452766
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 147
Ward Councillor -9445467147

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190447
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025947
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190647
GCC - Revenue	Tax Collector	9444415714
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930147
TANGEDCO	Junior Engineer	9445850304/5/7
BSNL	Assistant Engineer	9444993300
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	4423452766
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 148
Ward Councillor -9445467148

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190448
GCC - Electrical	Assistant Engineer	9445477685
GCC- Health	Sanitary Inspector	9445025952
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190648
GCC - Revenue	Tax Collector	8122946727
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930148
TANGEDCO	Junior Engineer	9445850307
BSNL	Assistant Engineer	9444979396
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04424873820
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 149
Ward Councillor -9445467149

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190449
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025952
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190649
GCC - Revenue	Tax Collector	9380182879
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930149
TANGEDCO	Junior Engineer	9445850218/20
BSNL	Assistant Engineer	9445392328
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04422496189
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 150
Ward Councillor -9445467150

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190450
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9445025950
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190650
GCC - Revenue	Tax Collector	9790779925
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930150
TANGEDCO	Junior Engineer	9445850263
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04423452767
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9791734587
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 151
Ward Councillor -9445467151

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190451
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9445025951
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190651
GCC - Revenue	Tax Collector	9444806952
Revenue	Revenue Inspector	9444511421
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930151
TANGEDCO	Junior Engineer	9445850259
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04423452767
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9791734587
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 152
Ward Councillor -9445467152

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190452
GCC - Electrical	Assistant Engineer	9445191459
GCC- Health	Sanitary Inspector	9445025951
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190652
GCC - Revenue	Tax Collector	9710879159
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930152
TANGEDCO	Junior Engineer	9445850218/20
BSNL	Assistant Engineer	9445392328
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04422496189
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9790850998
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 153
Ward Councillor -9445467153

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190453
GCC - Electrical	Assistant Engineer	9445477684
GCC- Health	Sanitary Inspector	9840094340
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190653
GCC - Revenue	Tax Collector	9791182959
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930153
TANGEDCO	Junior Engineer	9445850260/1
BSNL	Assistant Engineer	9445026657
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04423452767
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9791734587
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 154
Ward Councillor -9445467154

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190454
GCC - Electrical	Assistant Engineer	9445477686
GCC- Health	Sanitary Inspector	9445025947
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190654
GCC - Revenue	Tax Collector	9499932851
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930154
TANGEDCO	Junior Engineer	9445850263
BSNL	Assistant Engineer	9444482692
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04422496189
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9791734587
Highways	Assistant Divisional Engineer	9444254404

Ward committee – 155
Ward Councillor -9445467155

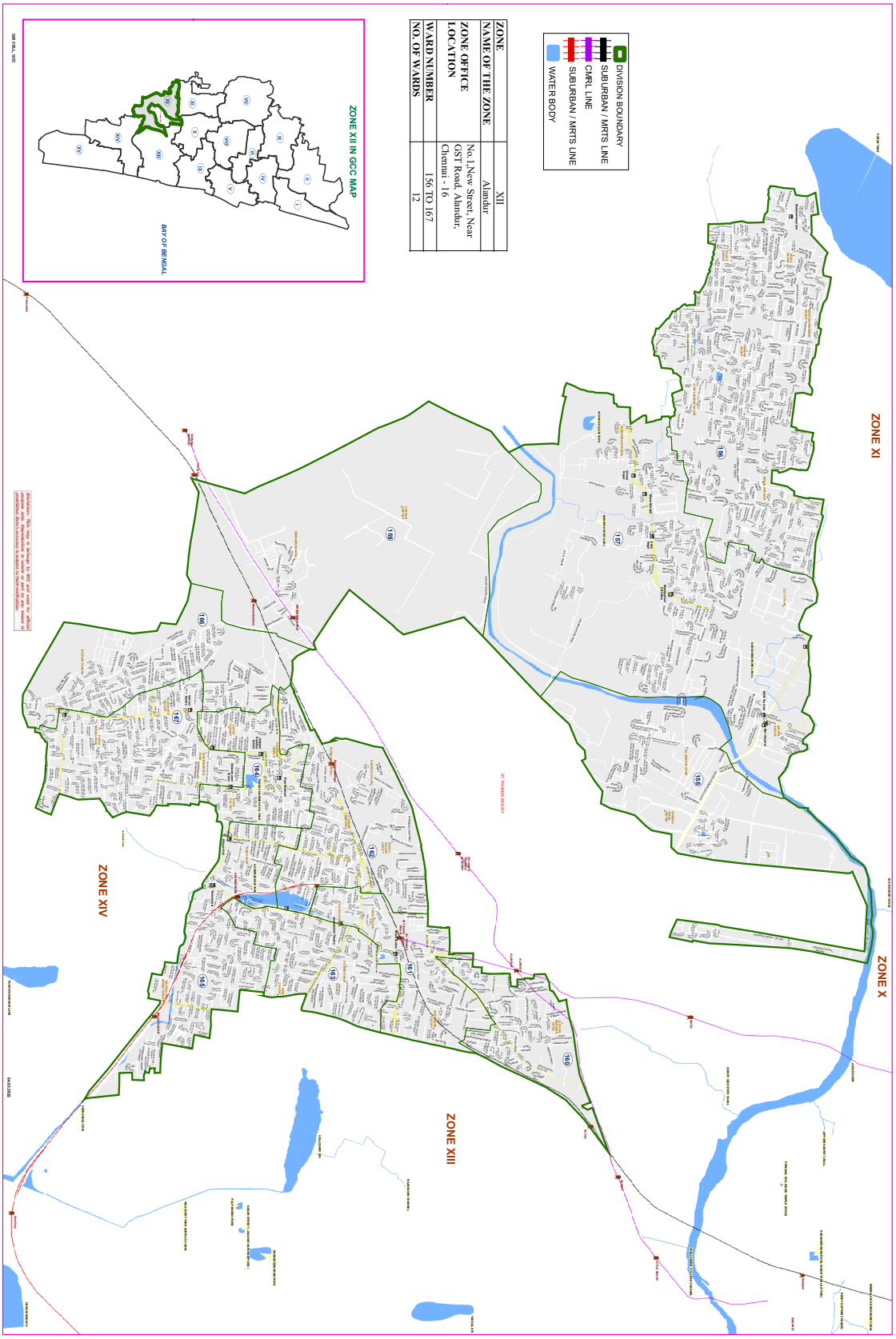
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190455
GCC - Electrical	Assistant Engineer	9445477686
GCC- Health	Sanitary Inspector	9840094340
GCC - Veterinary	Veterinary Assistant Surgeon	9445194745
GCC - Solid waste management	Conservancy Inspector	9445190655
GCC - Revenue	Tax Collector	9499932851
Revenue	Revenue Inspector	8680973846
GCC - Park overseer	Park Supervisor	9445194751
CMWSSB	Assistant Engineer	8144930155
TANGEDCO	Junior Engineer	9445850263
BSNL	Assistant Engineer	9444482692
Fire service	Inspector	04424769101 / 86670767785
Police station	Inspector	04422496189
PWD	Assistant Engineer	04424864626
TNUHDB	Assistant Engineer	9445074764
Highways	Divisional Engineer	9791734587
Highways	Assistant Divisional Engineer	9444254404

ZONE - XII

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ZONE XII - WARD BOUNDARY



ZONE	XII
NAME OF THE ZONE	Alandur
ZONE OFFICE LOCATION	No.1,New Street, Near GST Road, Alandur, Chennai - 16
WARD NUMBER	156 TO 167
NO. OF WARDS	12

Profile

The Alandur zone lies in Latitude 13.0052°, Longitude 80.20248° covering an area of 20.24 Sq.km.

There are 1762 roads, out of which 236.73 Km roads are Interior Roads, 29 Roads are Bus Route Roads which are maintained by GCC and the remaining 24 roads are under the maintenance of Highways department.

The population is about 2.65 lakhs that has Male population of 50.19% and Female population of 49.81 % In this zone, the most densed area in the Ward 156 with a population of 37147 and the least ward 159 with a population of 3350 The Ward wise population of the zone is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	156	8125	37147
2	157	11121	24027
3	158	4100	11612
4	159	1100	3350
5	160	4305	30615
6	161	4750	20740
7	162	5000	32281
8	163	4250	27359
9	164	5500	19389
10	165	5579	25229
11	166	6250	22734
12	167	6053	29730
Total		**66133**	**284213**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Chairman	156 - 167	9445467166
2	Zonal Officer	156 to 167	9445190012

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	156 to 161	Vacant
2	Executive Engineer-2	162 to 167	9445190037
3	Assistant Executive Engineer	Unit -35	9445190135
4	Assistant Executive Engineer	Unit -36	9445190136
5	Assistant Executive Engineer	Unit -37	9445190137
6	Assistant Divisional Engineer, Electrical	156 to 167	9445190052
7	Conservancy Inspector (Lorry Station)	Zone XII	9445455779
8	Assistant Executive Engineer (SWD)	Zone XII	9445191465

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing of garbage, maintenance of conservancy, Micro Compost Centre, Resource Recovery Centre and garbage transit stations and the contact details of the officials/staff to report on complaints on any such issues are as below.

Sl. No.	Designation	Office Mobile Number
1	Conservancy supervisor (Div. 156-167)	9445191435

Public Health & Disease Control

The Public Health Department is headed by Zonal Health Officer at zonal level who carries out all the Covid-19 pandemic precaution and control activities, vector control activities, Dog menace, Cattle menace and reports to Deputy Commissioner (Health) through their respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise and co-ordinate with Entomologist, Veterinary Officer, Sanitary Officers, Sanitary Inspectors for general maintenance of health at zonal level.

The Zonal Health Officer also supervises the functioning of UPHC & UCHC at zone which is administered by Zonal Medical Officer who carries out activities like vaccination, allocation of staffs for Medical Camps, procurement of medicine & vaccine.

The contact details of the officials/staff to report on complaints on any such issues are as below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	Zone XII	9445190072
2	Zonal Medical Officer	Zone XII	9445402934
3	Veterinary Doctor	Zone XII	9445026049
4	Junior Entomologist	Zone XII	9445025793
5	Sanitary Officer	Unit -35	9962604721
6	Sanitary Officer	Unit -36	9940026757
7	Sanitary Officer	Unit -37	9994845747

Parks

There are 70 Parks available in Mugalivakkam, Manapakkam, Nandambakkam, Alandur, Thillai Ganga Nagar, Palavanthangal, Nanganallur & Adambakkam. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	7639523299 Park Overseer	21 Nos of Power saw	Alandur (Division 156 – 167)
2		14 Nos of Tree Pruner	
		1 No. of Sakthiman Vehicle	

S.No	Ward	Name / Location of the Park
1	156	Sabari nagar 5th street, Mary gold street,AGS Colony, Sabari Nagar 2nd Main road,V.N.D. Rajeswari Avenue Vaigai street,SSI Green Park, Madhanandhapuram Main road,Annai Velankanni Nagar Phase I 2nd Street,Annai Velankanni Nagar Phase I 5th Street,Madha Nagar 2nd street,Gurusamy Nagar Devadoass Street,V.N.D. Rajeswari Avenue Sindu street,Kumudam nagar,Ramamoorthy avenue sarajini street,AGS Colony phase -3,Nathamuni street park,AGS Colony Sabari nagar1st main road,Kundrathur main road,VGN Laksmi nagar Viswanathan Palani,Kalaimagal nagar park,Subhasri Nagar Extn ,Santhosh Nagar Park,XS Real Park,Annai Velankanni Park,Shanthinekathan Park,Miyawaki forest
2	157	River view colony Phase II,River view colony Phase I,BHEL nagar,Kavya garden,Macro marvel river county,Manappakkam Arcot Salai park,River view colony park, Sethulakshmi avenue park, CRR puram L&T park
3	158	Sundar 3rd Avenue nagar
4	160	New street
5	161	Officers Colony,TNGO Colony,Murugan Nagar,Jeevan nagar,
6	162	Thiruvalluvar nagar 1st street, Thiruvalluvar nagar 3rd street ,T.G. nagar 33rd street, Morrison 5th street, Nehru street
7	163	Shanthi nagar 3rd street, Surendhar nagar 3rd street
8	164	Nanganallur 29th street,Nehru street,
9	165	South sector II nd street,Balaji nagar, Nethaji street,Lakshmi nagar, Bharath nagar
10	166	Anna Park

S.No	Ward	Name / Location of the Park
11	167	Independence day park,Nanganallur 46th street,Lakshmi nagar 7th street,Vijay Avenue,Hindu colony,Jain staff colony,MMTC Colony , Eswaran street,Kanniga colony,Voltas colony 1st street,Voltas colony 3rd street,Lakshmi nagar 4th street,Kannan nagar 1st main road,SBI Colony Main Road ,Kannan nagar 1ST cross street,Civil aviation colony, Nanaganallur 100 feet road, East main road

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There is one pumping stations available in Alandur Zone with capacity of 50 MLD for pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping station are given below,

Sl. No.	Pumping Station	Category	Capacity
1	Nilamangai Nagar Pumping Station at Rajaram Street	HT	25 MLD
2	Kannan Colony Pumping Station at Kannan Colony 3rd Street	LT3	3 MLD
3	Meenambakkam Pumping Station at Kamaraj Street	LT2	2.5 MLD
4	Morrison Pumping Street at Morrison 5th Street	LT2	2.5 MLD
5	Madhavaperumal west street	Road side	0.5 MLD

Tamilnadu Urban Habitat Development Board

There are no TNUHDB tenements in Alandur Zone.

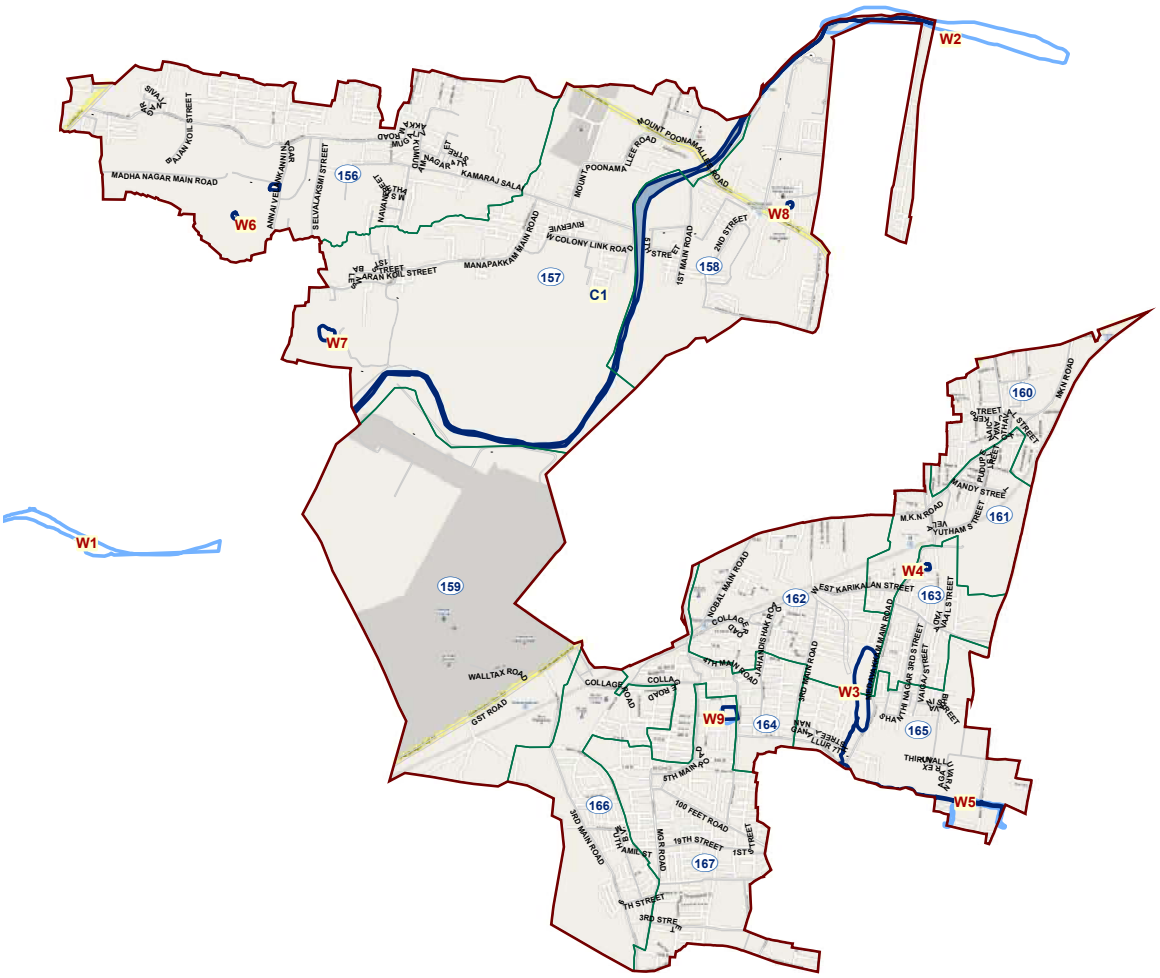
Water Bodies and Waterways

There is one canal passing in this zone **Manapakkam canal**, maintained by PWD which originates from Mugalivakkam and travels about 3 Km in the zone and disposes via MGR Nagar and then melds at Adyar river.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 121.03 km to ease the flow of rain water. .

The details of various water bodies in this zone are listed below,

ZONE XII - WATER BODIES



OTHER WATER BODIES

Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length / Area
W1	157	Manapakkam Adyar River	3km
W2	158	Nandambakkam Adyar River	2km
W3	162	Adambakkam Lake	1.20km
W4	163	Nandeeswaran Koil Kulam in East Karikalan 1st street near S.P Hospital (Kulam)	1930m^2
W5	165	Veerangal Odai	1.50 Km
W6	156	Alwanchery, V.G.N. Lakshmi nagar (Tank)	3 Km
W7	157	Dharumarajpuram, MGR road (Vannan Kulam Tank)	1972 m^2
W8	158	Ramar Koill Tank	1296 m^2
W9	164	Pannachiamman koil tank	10000 m^2

CANAL

Canals					
ID. No.	Wards	Name of the Canal	From	To	Length of Canal (Km)
C1	157	Manapakkam Canal	Mugalivakkam	Adyar river	3

Canals

Sl. No.	Name of the Canal	Ward covered	From	To	Length of Canal (Km)
1	Manapakkam Canal	156 & 157	Mugalivakkam	Adyar river	3
2	Nandhampakkam canal	156 & 157	Mugalivakkam	Adyar river	2

Other water bodies

19S. No	Ward no.	Name of other water bodies	Length/Area in M^2
1	156	Panichathamman Koil Kulam	825
2	156	Alwanchery (pond)	861.25
3	156	Vannankulam in Othavadi street	4281.57
4	157	Dharmarajapuram koil kulam	3 Km
5	157	Thithi kulam, M.G.Road	1972
6	157	Ramar koil (Pond)	3000
7	157 158	Adyar river	Fully Covered with Building(Casa Grand)
8	160	Subramaniya swamy koil street (Pond)	Fully Covered with huts
9	163	Nandeeswaran Koil Kulam at East karikalan 1st street	1296
10	163	Ramakrishnapuram 3rd street inbetween new colony main road (Canal)	2 km
11	162, 163, 165	Adambakkam Lake	3 km
12	164	Panichiamman Koil Pond (Nanganallur 4th main road)(Pond)	618
13	165	Veerangal odai	1930

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, Construction of New Integrated Storm Water Drain to a length of 30.27 Km at a cost of Rs.138.39.

Totally 939 storm water drains to a length of 185.6 Km were constructed to ease the flow of rain water in Alandur zone. The details of SWD and instructions to be followed before and during rain are given below..

Sl.No	Ward	Total no of SWD	Length of SWD in "m"
1	156	192	39259.70
2	157	85	11939.00
3	158	73	10067.00
4	159	15	2970.00
5	160	48	12893.00
6	161	50	9310.00
7	162	64	13006.00
8	163	62	10020.00
9	164	65	14860.00
10	165	82	12830.00
11	166	75	15510.00
12	167	118	26600.00
	Total	**929**	**179264.70**

Streets - water stagnated on 2023 monsoon during heavy rain

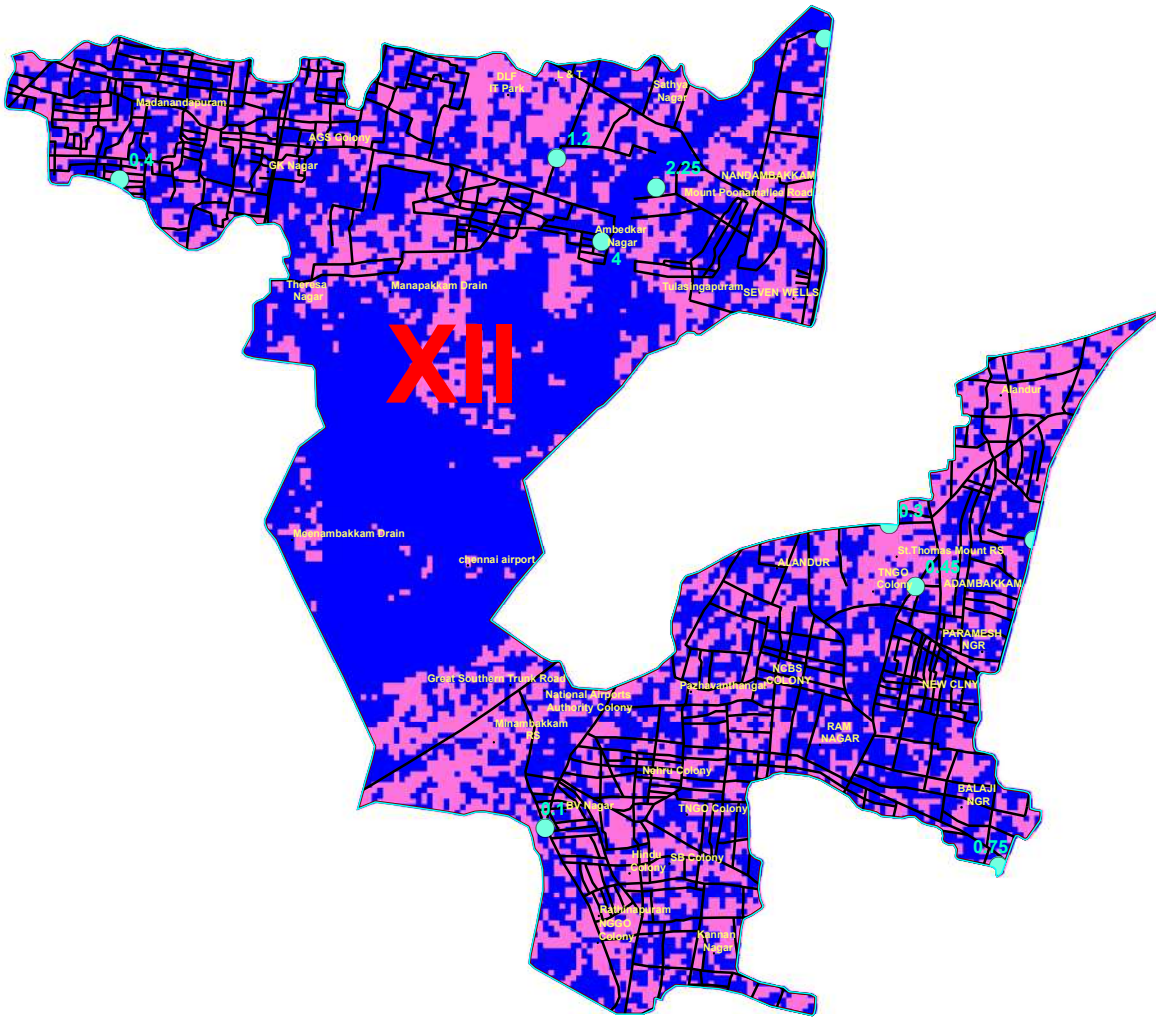
During the year 2023 monsoon, 31 inundated spots in this zone were identified and actions were taken to bail out the rain water. Most of the locations were flooded during the North- East Monsoon 2023 due to heavy rain and overflow of upstream water in the canals and Water bodies in this Zone..

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	156	Thiruvalluvar	5 HP	Street corner	Near by drain
2	156	VGNlaxmi nagar		Street corner	Near by drain
3	156	Bhell nagar		Street corner	Near by drain
4	156	Gowri nagar		Street corner	Near by drain
5	156	Shanmuga nagar		Street corner	Near by drain
6	157	River view colony	25 HP & 100HP	Street corner	Near by drain
7	157	Bell nagar	100 HP & 25 HP	Street corner	Near by drain
8	157	Kavya garden	10 HP	Street corner	Near by drain
9	157	Sathya nagar	10 HP	Street corner	Near by drain
10	158	Woodgreek county 2 nd main road	1 HP	Street corner	Near by drain
11	158	Woodgreek county 3rd cross street		Street corner	Near by drain
12	158	Burma colony		Street corner	Near by drain
13	160	Madavapuram east street	2HP	Street corner	Near by drain
14	160	Madavapuram north street		Street corner	Near by drain
15	160	Madavapuram west street		Street corner	Near by drain
16	161	Raja street	5HP and 10 HP	Street corner	Near by drain
17	161	V O C nagar		Street corner	Near by drain
18	162	Thillai Ganga nagar 27 th street	10 HP and 15 HP	Street corner	Near by drain

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
19	162	Thillai ganga nagar 28th street		Street corner	Near by drain
20	162	Kannan colony		Street corner	Near by drain
					Near by drain
21	163	Shanthi nagar 7th street	5HP	Street corner	Near by drain
22	163	Shanthi nagar 7th street extn		Street corner	Near by drain
23	164	Nehru colony 21st street	10HP and 15 HP	Street corner	Near by drain
24	164	Brindavan nagar		Street corner	Near by drain
25	165	Vallalar street	5 HP, 6HP and 7.5 HP and 10 HP.	Street corner	Near by drain
				Street corner	Near by drain
26	165	Bhuvaneshwari nagar 3rd street			Near by drain
27	165	Bharathidasan nagar main road , 2nd street		Street corner	Near by Through vacant land
28	167	Nanganallur 44th street		Jn of nanga-nallur 4th main road	Near by drain
29	167	Lakshmi nagar 3rd stage 2nd street	2.5 HP	Voltas colony 5th street	Near by drain
30	167	East main road (Lakshmi nagar 4th stage)		Street corner	Near by drain

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



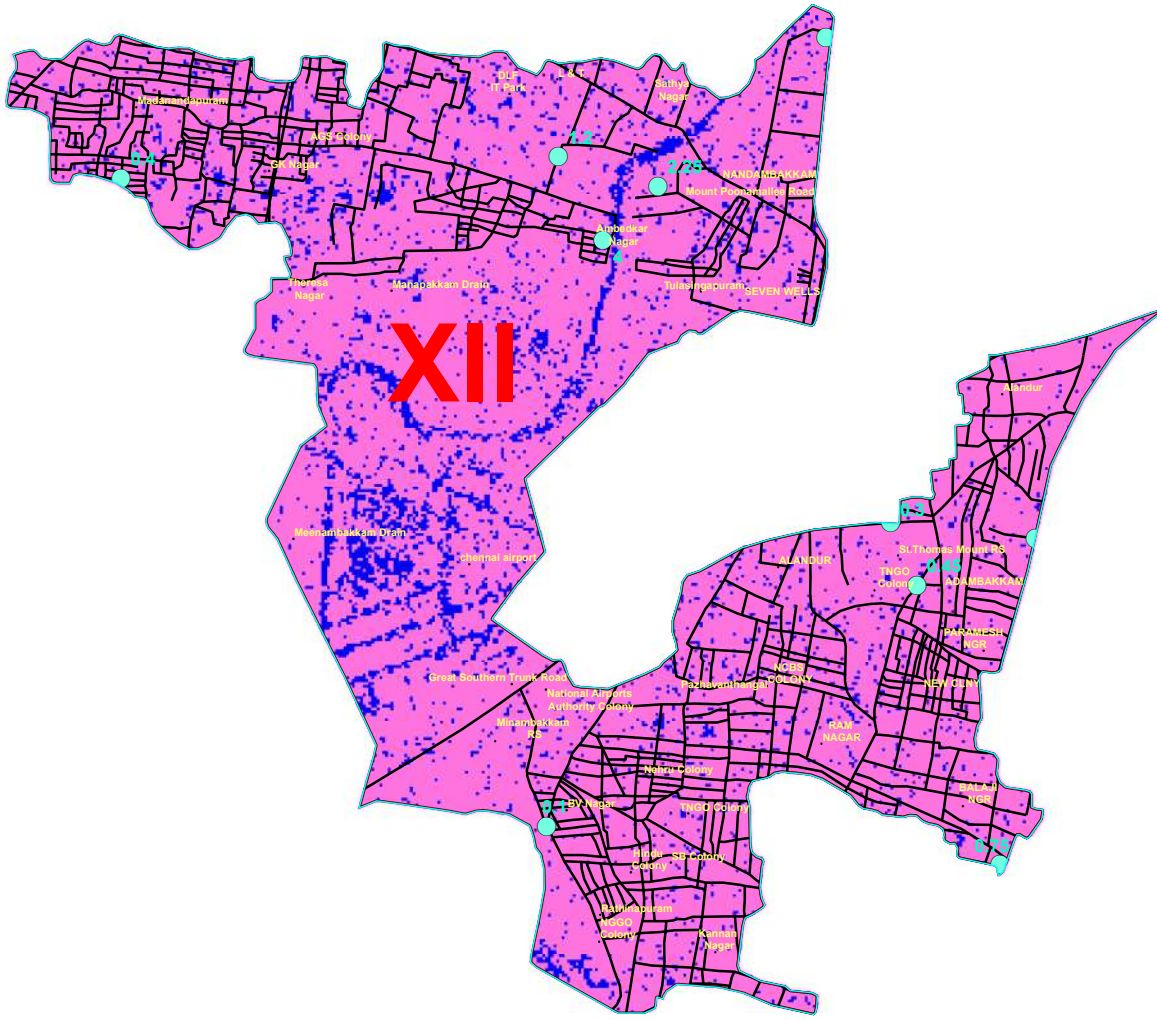
LEGEND

- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:28,000

0 0.5 1 2 Km

INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



LEGEND

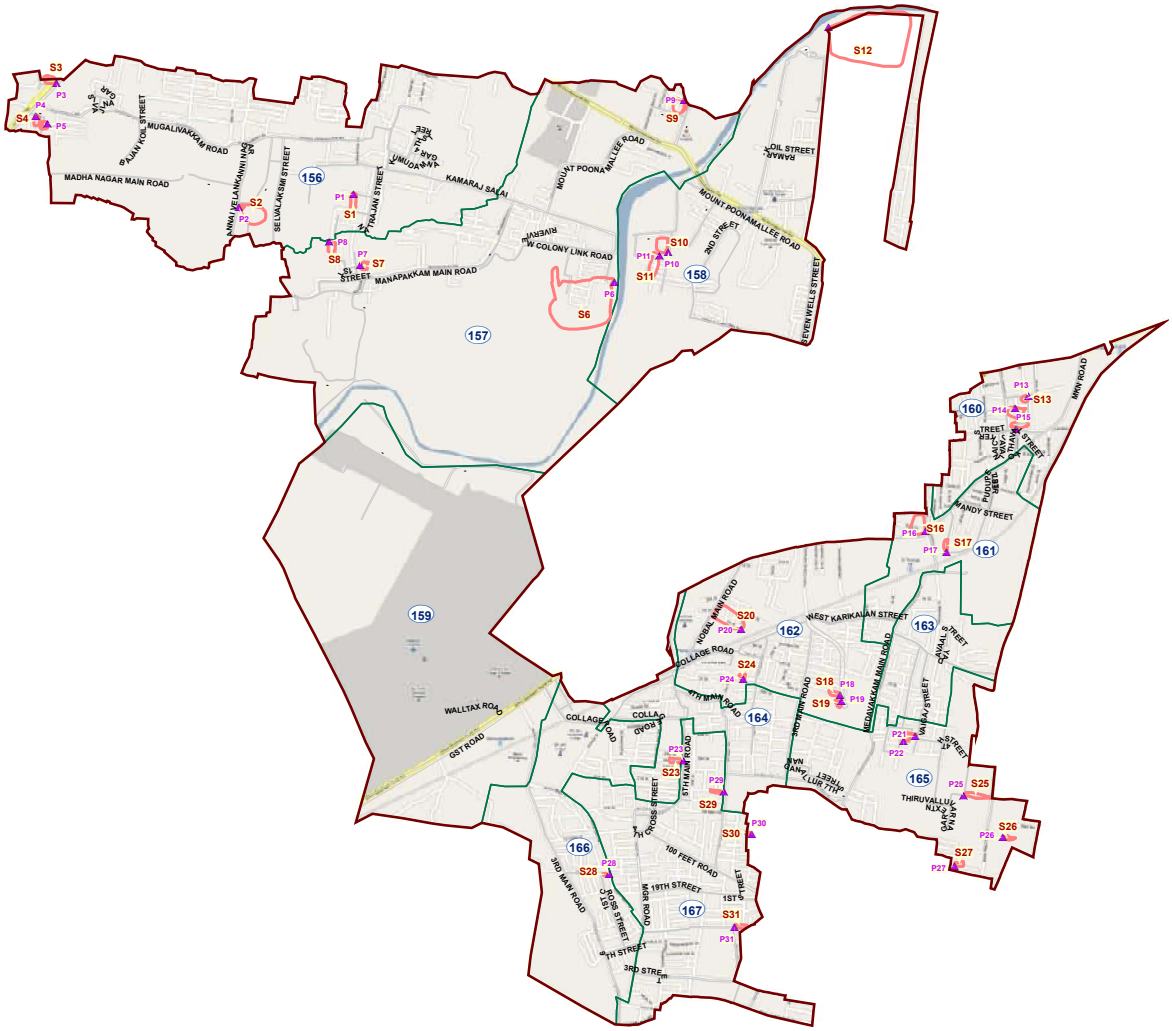
- FIELD POINTS
- ROAD
- ZONE BOUNDARY
- NON-INUNDATION
- INUNDATION

SCALE 1:28,000

0 0.5 1 2 Km

ZONE XII

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

Streets - water stagnated in the previous monsoon during - mild rain

S.No.	ward	Name of the Street
NIL		

Streets - water stagnated in the previous monsoon during- moderate rain

S.No.	ward	Name of the Street
NIL		

Stagnation of water in streets due to sewer blocks

In Alandur Zone, the following were the streets which had sewer blocks.

Sl.No.	Ward	Streets	No. of manholes
NIL			

Relief Centres

There are 9 relief centres to a total capacity of 2450 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

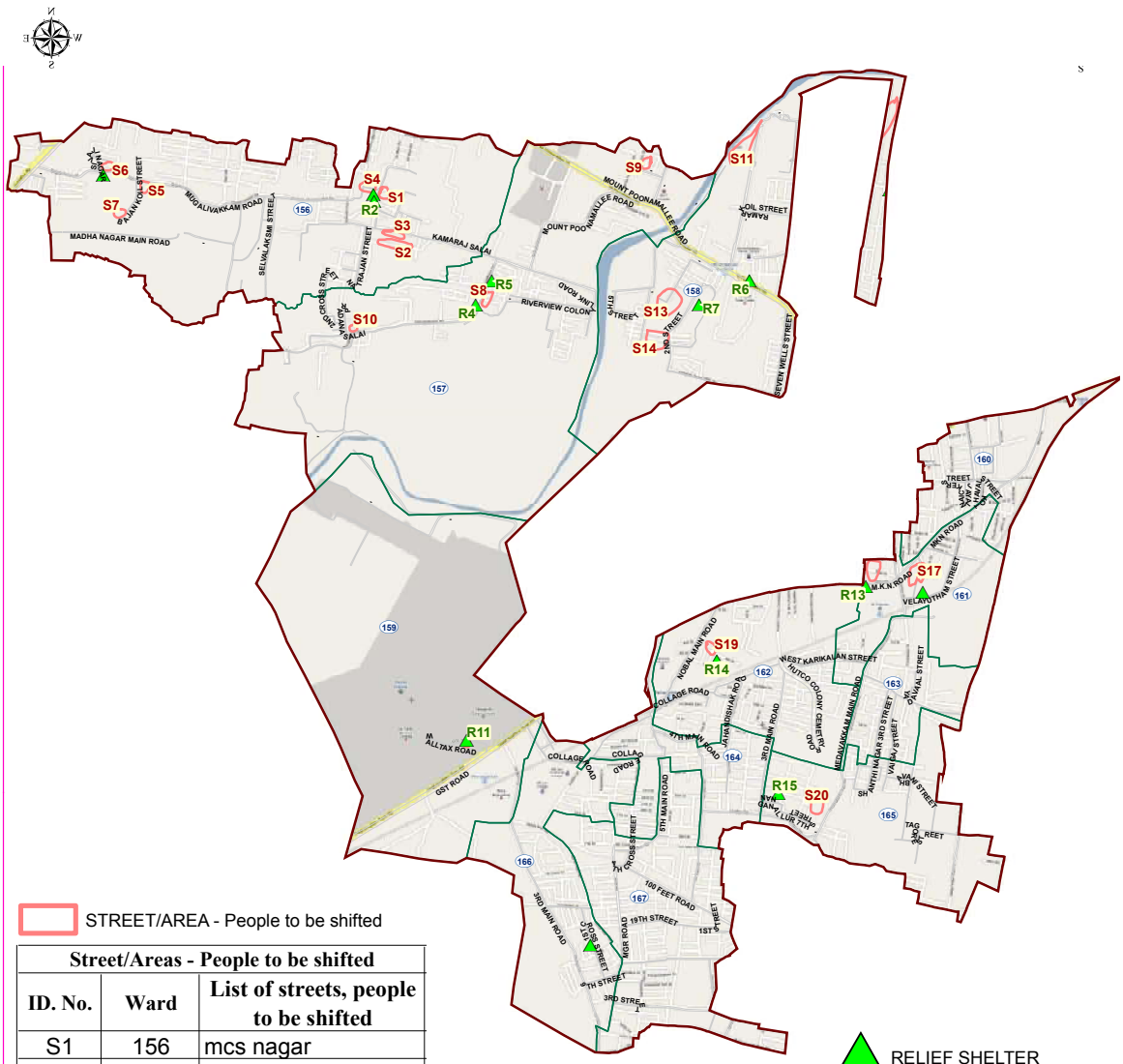
Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
1	156	500	1. Govt. High School, Padasalai Street	MCS nagar, Pajanai kovil steer, Thuluka thamman koil street, padasalai street				Sanitation, Medicine	SI	94450 25956
			2. Corporation Primary School, Padasalai Street					Evacuation	AE	94451 90756
			3. Corporation Middle School, Madanana dhapuram Main Road Ch- 600125	Kumari nagar, OM sakthi nagar, Bungalow thope.				Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90756

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
2	157	550	2.Community Hall	Sathiya nagar, Bell nagar				Sanitation, Medicine	SI	97863 01769
								Evacuation	AE	94451 90757
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90757
3	158	400	1.Corporation Primary School, Mount Poonamallee 2.IDPL Primary School 3. Kuthallamman Temple Kalyana Mandabam 4. Cantonment School, Mount Poonamallee	MGR Nagar Burma colony				Sanitation, Medicine	SI	94450 25956
								Evacuation	AE	94451 90758
								Food& Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90758
4	159	100	Adi Dravidar School, Kamarajar street, Meenam bakkam, Chennai - 600 027	Kamarajar street				Sanitation, Medicine	SI	94450 25956
								Evacuation	AE	96773 40896/ 94451 90759
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	96773 40896/ 94451 90759

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
5	161	200	Nidhi School - ponniamman kovil street	VOC street				Sanitation, Medicine	SI	94450 25962
								Evacuation	AE	94451 90761
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90761
6	161	200	CPS school ,MKN road	VOC street, Raja street				Sanitation, Medicine	SI	94450 25962
								Evacution	AE	94451 90761
								Food & Drinking water	ARO	944519 0092
								Relief Materials	AE	94451 90761
7	162	150	Community Hall & Gym Building	Kannan Colony	Yes	Yes	No	Sanitation, Medicine	SI	94450 25962
								Evacuation	AE	94451 90762
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90762

Sl. No.	ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
8	165	250	Corporation School Nanganallur 8th street -	Indira Nagar				Sanitation, Medicine	SI	94450 25965
								Evacuation	AE	94451 90765
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90765
9	166	100	Corporation Primary school					Sanitation, Medicine	SI	82205 60026
								Evacuation	AE	94451 90767
								Food & Drinking water	ARO	94451 90092
								Relief Materials	AE	94451 90766

ZONE XII
EVACUATION & RELIEF SHELTERS



STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	156	mcs nagar
S2	156	pajanai kovil street
S3	156	Thulukathamman
S4	156	padasalai street
S5	156	Kumari nagar
S6	156	OM sakthi nagar
S7	156	Bungalow thope
S8	157	M.G.Salai
S9	157	sathiyanagar
S10	157	bell nagar
S11	158	MGR nagar
S12	158	Burma colony
S13	158	Dulasingapuram
S14	158	Ganapthy colony
S15	159	Kamarajar street
S16	161	VOC street
S17	161	VOC street
S18	161	Raja street
S19	162	Kannan colony
S20	165	Indira nagar

RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R1	156	Govt. High School, Padasalai Street
R2	156	Corporation Primary School, Padasalai Street
R3	156	Corporation Middle School, Madananadhapuram Main Road
R4	157	Corporation Middle School, M.G.Salai
R5	157	Community Hall
R6	157	Corporation Primary School, Mount Poonamallee
R7	157	IDPL Primary School
R8	157	Kuthallamman Temple Kalyana Mandabam
R9	157	Cantonment School, Mount Poonamallee
R10	157	Cantonment Community Hall
R11	157	Adi Dravidar School, Kamarajar street, Meenambakkam
R12	157	Nidhi School, ponniamman kovil street
R13	157	CPS school, MKN road
R14	157	Community Hall & Gym Building
R15	157	Corporation School Nanganallur 8th street
R16	157	Corporation Primary school

Subway

There are five subways available in this zone namely Meenambakkam Subway, Mount subway, Thillai Ganga Nagar subway and pazhavanthangal subway. The electrical pumps and diesel pumps installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl. No.	Ward.	Location	Length of the subway	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	160	Kathipara urban square	150m	Adyar river	Submersible (20HP – 2, Diesel 10HP – 1, Petrol 5 HP – 1)
2	161	Mount Subway	300m	Velachery Lake	Submersible (50Hp-2, 25Hp-1, 10Hp-1), Electric (25Hp-1, 10Hp-1), Disel (25Hp-1, 10Hp-2)
3	162	Thillai Ganga Subway	455m	Adambakkam Lake	Subermersible (50Hp-3, 25Hp- 3, 15Hp-1), Disel (25 Hp-4, 16Hp-1, 13Hp-2)
4	164	Phazhavanthangal subway	300m	Adambakkam Lake	Submesible (50Hp-2, 25Hp-1, 10Hp-1) Disel (25Hp-1, 12.5Hp-1, 12Hp-1, 5Hp-1)
5	166	Meenambakkam Subway	411m	Veerangal Oodai	Submersible (50Hp-1, 15Hp-2) Disel (32Hp-1, 16Hp-2)

Tree fall

During the last monsoon, in Alandur zone totally 12 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward	Name of the Streets
1	156	Othavadai Street Mugalivakkam
2	157	Manapakkam Lakshmi nagar Main road

Sl.No.	Ward	Name of the Streets
3	164	Nanganallur 3rd Main Road
4	165	Nanganallur2nd Main Road
5	167	Nanganallur 100 Feet Road
6	165	Balaji Nagar 14th Street
7	165	Ram Nagar 2nd Main Road
8	156	Kumutham Nagar Padmavathi Street
9	157	Ashram Avenue Phase 1

Streets where water entered houses - do not require evacuation

During the last monsoon, 9 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 25 locations were inundated for more than a day by which the normal day to day activity of 913 people were stand-stilled. Flood water from these areas were cleared by using 10 pumps rangining from 1 HP to 15 HP capacity. The identified vulnerable spots is as below,

Sl.No.	Ward	Name of the Area/Streets
1	156	Kumari Nagar
2	160	Venu street

Sl.No.	Ward	Name of the Area/Streets
3	160	Sowri street
4	160	Abraham Street
5	162	Thillai Ganga Nagar 26th Street
6	163	Ramakrishnapuram 3rd Street
7	164	Nehru Colony 16h street
8	165	Saraswathi Nagar
9	166	Poonthottam 1st Street

Streets that require evacuation

During the heavy flood that occurred in 2015, Alandur zone there were 2150 people were evacuated from Thiruvalluvar nagar, MCS nagar, Dharmarajapuram, Puratchi thalaivi nagar, etc and they were accomodated in Government schools. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations of relief centres are given below,

Sl. No.	Ward	Streets	No. of persons	Years	Relief centre
1	156	Thiruvalluvar nagar	100	2015	1. Govt. High School, Padasalai Street 2. Corporation Primary School, Padasalai Street 3. Corporation Middle School, Madananadhapuram Main Road Chennai-600 125
2	156	MCS nagar	100	2015	
3	157	Dharmarajapuram, Puratchi Thalaivi Nagar	450	2015	1.Corporation Middle School - M.G.Salai 2.Community Hall
4	157	Dr. Ambedkar Nagar	150		

Sl. No.	Ward	Streets	No. of persons	Years	Relief centre
5	158	Burma Colony	400	2015	1.Corporation Primary School, Mount Poonamallee 2.IDPL Primary School 3. Kuthallamman Temple Kalyana Mandabam 4. Cantonment School, Mount Poonamallee 5. Cantonment Community Hall
6	159	Kamarajar street	100	2015	Adi Dravidar School, Kamarajar street, Meenambakkam, Chi-27
7	161	V.O.C. Nagar	200	2015	Nidhi School - ponniamman kovil street
8	161	Raja Street	200	2015	CPS school ,MKN road
9	162	Kannan colony	100	2015	Community Hall & Gym Building
10	165	Indra nagar 1st and 2nd streets	250	2015	Nanganallur 8th street - C.P.S South new street
11	166	K.K. Nagar	100	2015	Corporation Primary school

During the Monsoon in 2024, no flood occurred and evacuation was not required, but food and relief materials were provided for 2 days and over 71,500 people got benefitted from that.

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There is one number of 5 KVA mobile Highmast and one number of 1 KVA portable Highmast available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staffs.

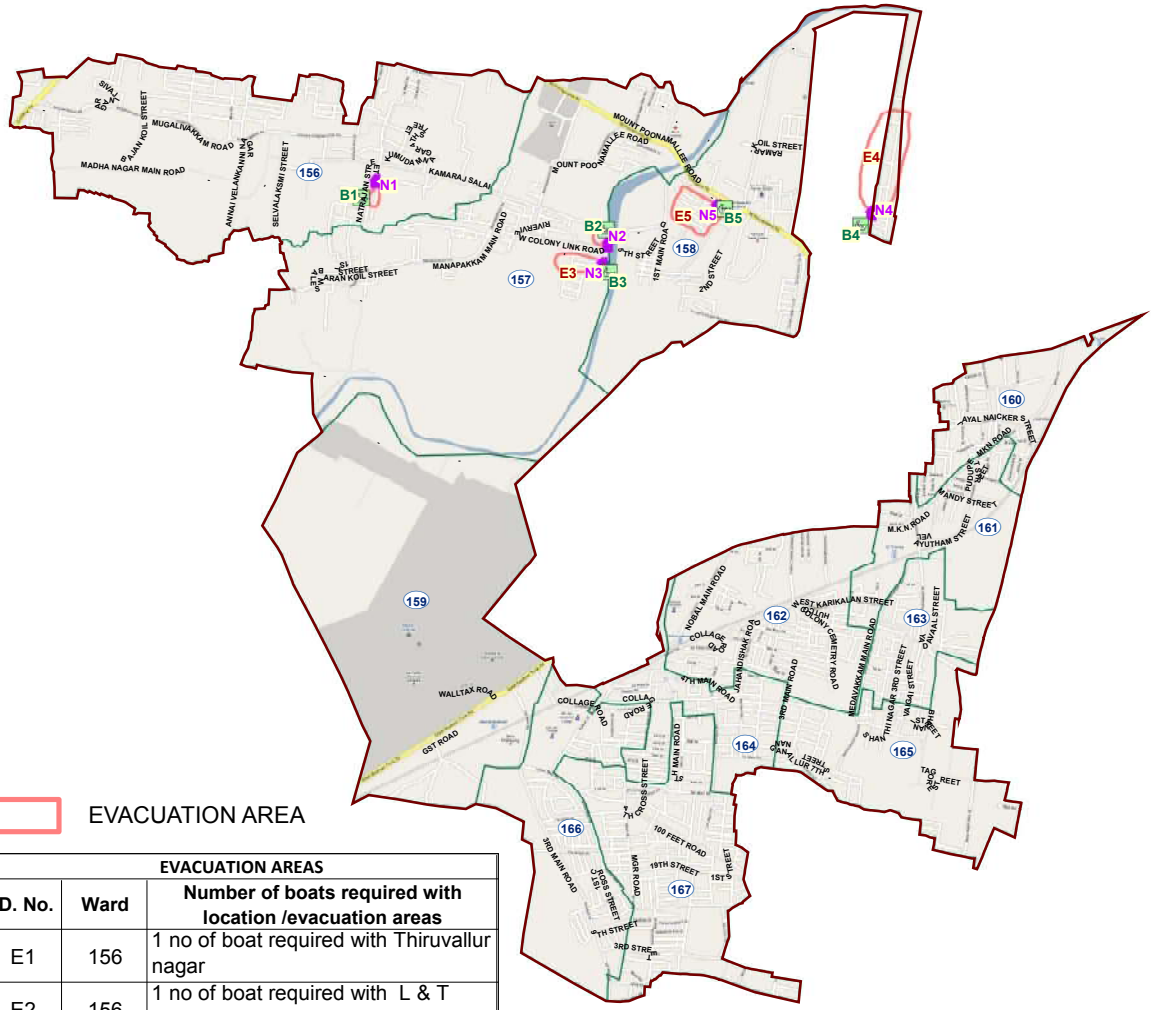
Sl. No.	Ward	Contact person	
		Designation	Phone number
1	156	Assistant Engineer	9445191463
2	157 & 158	Junior Engineer	9445026090
3	159,161,162	Junior Engineer	9445910960
4	160,163,165	Assistant Engineer	9445477682
5	164,166,167	Assistant Engineer	9445191464

National Disaster Response Force (NDRF)

In Alandur zone, the NDRF to be stationed locations is given below,

S.No	Div. No.	Where NDRF to be stationed and deployed
1	156	Thiruvallur nagar
2	156	L and t CRR puram
3	157	River view colony

ZONE XII
EVACUATION , NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	156	1 no of boat required with Thiruvallur nagar
E2	156	1 no of boat required with L & T CRR Puram
E3	157	2 nos of boats required with river view colony
E4	158	2 nos of boats required with IDPL
E5	158	2 nos of boatsrequired with defence officer colony

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	156	Thiruvalluvar Nagar
B2	156	CRR Puram
B3	157	River View Colony
B4	158	Nandambakkam
B5	158	Defence Colony

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	156	Thiruvallur nagar
N2	156	L and t CRR puram
N3	157	Defence officer colony
N4	157	River view colony
N5	158	IDPL

NDRF

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below

Sl.No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Location	Contact Number
1	157	1 nos of boats required with river view colony	River View Colony	9445190758
2	158	1 nos of boats required with IDPL	Burma tamizhar colony	9445190758

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 3 debris lorries, 3 skid steer loaders and 1 front end loader are stationed for performing the job. The details of the lorries available in the zone are given below

No. of lorries and type kept in readiness
Debris lorry 4
Bob cat (Skid steer loaders) 4
JCB (Front end loader) 1
Tata Ace - Closed van 1
Mini Tipper (CNG Gas) 1
HMV Water Tanker 1
LMV Water Tanker 1
Dog Van 2
Cattle Catcher 1
Ambulance

Sl. No.	Depot A.E Contact No.	Availability of Lorries						
		JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder	Debris lorry	TATA ACE
1	9445026094	1	3	2	1	1	3	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

In Alandur Zone there are no streets which are less than 2.5 m width. All the Zones are accessible with vehicles.

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details of other line departments and the measures and actions to be taken before and during the rain is given below,

Ward committee - 156
Ward Councillor - 9445467156

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190756
GCC - Electrical	Assistant Engineer	9445191463
GCC- Health	Sanitary Inspector	9791096272
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190806
GCC - Revenue	Tax Collector	9941290401
Revenue	Revenue Inspector	9791196542
GCC - Park overseer	Park Supervisor	9445036544
CMWSSB	Assistant Engineer	8144930156
TANGEDCO	Junior Engineer	9445850193
BSNL	Assistant Engineer	9445010432
Fire service	Inspector	8300063745
Police station	Inspector	9500125466
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	7010523262
Highways	Divisional Engineer	9443070816

Ward committee – 157
Ward Councillor - 9445467157

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190757
GCC - Electrical	Assistant Engineer	9445026090
GCC- Health	Sanitary Inspector	9943229223
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190807
GCC - Revenue	Tax Collector	9941625179
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930157
TANGEDCO	Junior Engineer	9445850197
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9445086050
Police station	Inspector	8903401666
PWD	Assistant Engineer	9443130220
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8667059699

Ward committee – 158
Ward Councillor - 9445467158

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190758
GCC - Electrical	Assistant Engineer	9445026090
GCC- Health	Sanitary Inspector	9445025950
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190808
GCC - Revenue	Tax Collector	9441625179
Revenue	Revenue Inspector	9791196542/ 9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930158
TANGEDCO	Junior Engineer	9445850190
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9865862993/ 9445086050
Police station	Inspector	8903401666
PWD	Assistant Engineer	9443227382
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9944180602

Ward committee – 159
Ward Councillor - 9445467159

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190759
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	8428446379
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9710675931
GCC - Revenue	Tax Collector	9884759276
Revenue	Revenue Inspector	9791196542
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	9445850194
TANGEDCO	Junior Engineer	9445850190
BSNL	Assistant Engineer	9445172226
Fire service	Inspector	9865862993
Police station	Inspector	9498142686
PWD	Assistant Engineer	9486693837
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

Ward committee – 160
Ward Councillor - 9445467160

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190760
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	9944000557
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9884230741
GCC - Revenue	Tax Collector	7010523262
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930160
TANGEDCO	Junior Engineer	9445850196
BSNL	Assistant Engineer	9444713742
Fire service	Inspector	9445086050
Police station	Inspector	9840987231
PWD	Assistant Engineer	9790730856
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 161
Ward Councillor - 9445467161

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190761
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	9445025962
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190811
GCC - Revenue	Tax Collector	8664418200
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930161
TANGEDCO	Junior Engineer	9445850194
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9444970835
PWD	Assistant Engineer	9790730856
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 162
Ward Councillor – 9445467162

Name of the department	Designation	Contact Number
GCC - Engineering	Junior Engineer	9445190762
GCC - Electrical	Assistant Engineer	9445910960
GCC- Health	Sanitary Inspector	9445025962
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190812
GCC - Revenue	Tax Collector	9884759276
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144960162
TANGEDCO	Junior Engineer	9445850187
BSNL	Assistant Engineer	9444979384/ 9486104010
Fire service	Inspector	9445083053
Police station	Inspector	9498141371 9840540362
PWD	Assistant Engineer	9444266697 7200027050
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 163
Ward Councillor - 9445467163

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190763
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	9884696404
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190813
GCC - Revenue	Tax Collector /Aessesor	9789874309
Revenue	Revenue Inspector	9444876623
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930163
TANGEDCO	Assistant Engineer	9445850185
BSNL	Assistant Engineer	9445850179
Fire service	Inspector	9445083053
Police station	Inspector	9498141371
PWD	Assistant Engineer	7200027050
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9443132839

Ward committee – 164
Ward Councillor - 9445467164

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190764
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	9940643013
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190814
GCC - Revenue	Tax Collector	9380815146
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8939730164
TANGEDCO	Junior Engineer	9445191464
BSNL	Assistant Engineer	9444979384
Fire service	Inspector	9445083053
Police station	Inspector	9840923652
PWD	Assistant Engineer	7200027050
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	9840568582

Ward committee – 165
Ward Councillor - 9445467165

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190765
GCC - Electrical	Assistant Engineer	9445477682
GCC- Health	Sanitary Inspector	9940643013
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190815
GCC - Revenue	Tax Collector	8667718200
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930165
TANGEDCO	Junior Engineer	9445850186
BSNL	Assistant Engineer	9445013210
Fire service	Inspector	9445083053
Police station	Inspector	9498141371
PWD	Assistant Engineer	9443227382
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

Ward committee – 166
Ward Councillor - 9445467166

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190766
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	8220560026
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190816
GCC - Revenue	Tax Collector	9884759276
Revenue	Revenue Inspector	9962228549
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8144930315
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	22502255
Fire service	Inspector	9445083053
Police station	Inspector	9840540362
PWD	Assistant Engineer	9443227382
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

Ward committee – 167
Ward Councillor - 9445467167

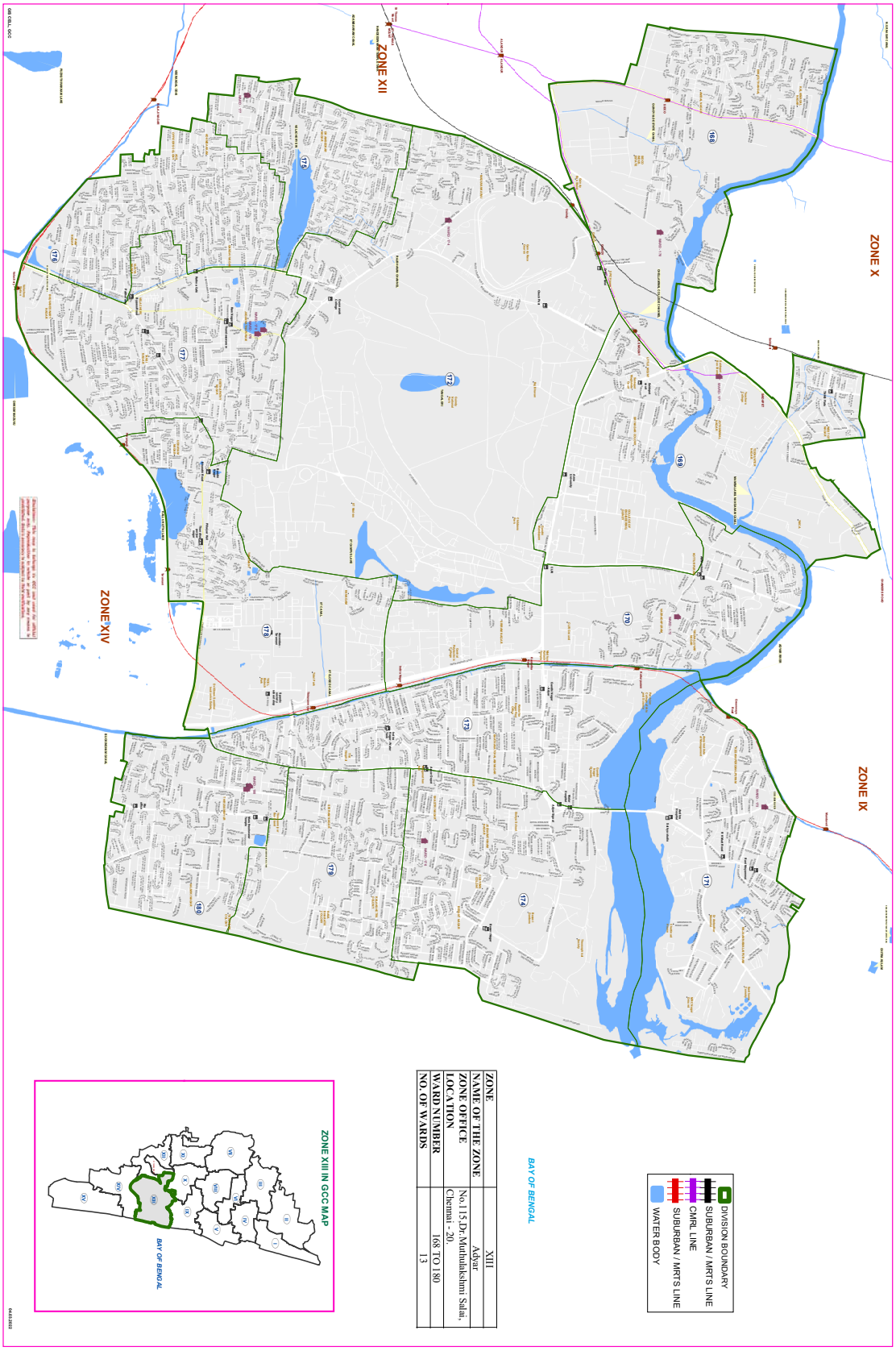
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190767
GCC - Electrical	Assistant Engineer	9445191464
GCC- Health	Sanitary Inspector	8220560026
GCC - Veterinary	Veterinary Assistant Surgeon	9445026049
GCC - Solid waste management	Conservancy Inspector	9445190817
GCC - Revenue	Tax Collector	9789874309
Revenue	Revenue Inspector	8056494720
GCC - Park overseer	Park Supervisor	9790830380
CMWSSB	Assistant Engineer	8939870166
TANGEDCO	Junior Engineer	9445850131
BSNL	Assistant Engineer	9445014944
Fire service	Inspector	9445083053
Police station	Inspector	9840540362
PWD	Assistant Engineer	9790730856
TNUHDB	Assistant Engineer	9445074956
Highways	Divisional Engineer	8754442222

ZONE - XIII

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ZONE XIII - WARD BOUNDARY



ZONE	XIII
NAME OF THE ZONE	Adyar
ZONE OFFICE LOCATION	No.115,Dr.Muthulakshmi Salai, Chennai - 20.
WARD NUMBER	168 TO 180
NO. OF WARDS	13

Profile

Adyar zone lies in Latitude 13.00501°, Longitude 80.25714° covering an area of 40.35 Sq.km.

There are 2995 roads, out of which 2936 roads to a length of 448.29 Km are Interior Roads, 49 Roads to a length of 38.187 Km are Bus Route Roads which are maintained by GCC, 9 roads to a length of 20.760 Km are under the maintenance of Highways department and 1 road to a length of 4.50 Km is under the maintenance of TNRDC department

The population is about 6.67 lakhs having Male population of 50.90% and Female population of 49.10 % in this zone. The most densed area in this zone is 170 ward with a population of 78333 and the least is 178 with a population of 32844. The Ward wise population is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	168	17549	70196
2	169	10474	41896
3	170	19583	78333
4	171	9673	38691
5	172	8660	34640
6	173	13346	53385
7	174	13044	52175
8	175	14450	57798
9	176	14392	57567
10	177	14443	57772
11	178	8211	32844
12	179	11427	45706
13	180	11424	45697
Total		166676	666700

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, 3 Assistant Revenue Officers, Zonal Health Officer, Zonal Medical Officer, Administrative Officer, Assistant Executive Engineer (Electrical), Assistant Executive Engineer (Mechanical) and Park Overseas. They are equipped with supporting sub-ordinate officers. The following are contact details of the officials/elected members. The respective officers/staff may be taken on board to address the issues pertaining to them..

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	168 to 180	9445467172
2	Zonal Officer	168 to 180	9445190013

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer - I	169,170,171,173, 174, 179 & 180	9445190033
2	Executive Engineer - II	168, 172, 175, 176, 177,178	9445910926
3	Assistant Executive Engineer	U-38	9445190138
4	Assistant Executive Engineer	U-39	9445190139
5	Assistant Executive Engineer	U-40	9445190140
6	Assistant Executive Engineer	U-40A	9445026116
7	Additional Divisional Engineer, Electrical	168 to 180	9445190053
8	Assistant Executive Engineer, Mechanical	South Region	9840230256

Solid Waste Management

There is a dedicated team in each zone that will look after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Conservancy Supervisor	Unit 38 & 39	9445191438
3	Conservancy Supervisor	Unit 40 & 40A	8838398964

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and coordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues is given below.

Sl. No	Designation	Zone/ Unit/Ward. No.	Office Mobile Number
1	Zonal Health Officer	Zone 13	9445190073
2	Senior Entomologist	Zone 13	9445036578
3	Sanitary Officer	U 38	9790015945
4	Sanitary Officer	U 39	9444292124
5	Sanitary Officer	U 40	8608730123
6	Sanitary Officer	U 40A	9940026757

Parks

There are 97 Parks available in Saidapet, Kotturpuram, Adyar , Thiruvanmiyur etc. in this zone. These parks may serve as buffer zone to assemble and alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

S.No	Ward	Name Of Ward	Location of the Park
1	168	Guindy - West	Central Excise Colony Park Customs Colony Park Olympia Tech Park Thamarai Tech Park Temple step Park Anna Salai Labour Colony Park ITC OSR land Park Anna Salai Olympia Cyber Tech
2	169	Saidapet	Chinnamalai Park (Halda) Velachery Main Road (Near A2B Hotel) Bharthidasan Street (Appavvo Nagar LDG Road park
3	170	Kottur-puram	Dhandapani Park Senior citizen Park Govindaswamy Park NSK Park Kottur Villa River View Park Kottur Garden 1st Cr. St., Infinity Park Chitra Nagar Park
4	171	Raja Anna-malaipuram	Dharmambal Park Kesavaperumal Puram East Avenue Park Kesavaperumal Puram central Avenue Park Krishnapuri Main Road Park M.R.C Nagar extn. Park Vasantha Avenue Park May Flower Garden Park R.K. Nagar 2nd Main Road Sathyadev Avenue Extn park (Rani meiyammai Tower) M.R.C Nagar South Beach road Park Sathyadev Avenue Extn. Park (Jain Sakarika) The Lords Park, Sathyadev Avenue Ceebros Apartment Park MRC Nagar TVH Belicia Tower, MRC Nagar extn Chaitanya Park, Janaki Avenue Extn Leela Palace Park Sathyadev Avenue Karpagam Avenue 1st street, Raheja Regency

S.No	Ward	Name Of Ward	Location of the Park
5	172	Maduvankarai (Guindy East)	Pandian Street (Pheonix Mall Park) City Limit Road (Secretariate Colony Park)
6	173	Adyar	Indira Nagar 4th Cross Street Park Indira nagar 26th cross street Park Kamaraj nagar 4th West Street Park Kamaraj nagar 13th West Street Park Kotturpuram,Gandhi NagarCanal Bank Road OMR Park Reach 1 & Reach 2 Kamaraj nagar 2nd West Street Park Dense Forest Adyar River Bank
7	174	Besant Nagar	Besant Nagar 1st Cross Street Padmanabha Nagar Park Aavin Park (Dr Muthulakshmi Park) – under the control of CMRL Project Besant Nagar 21st Cross Street
8	175	Adambakkam	New NGO Colony II main road Park TNHB Colony 4th street Park Mahalakshmi Nagar 1st main road LH Nagar IV cross street Park
9	176	Velachery - West	Gangai Nagar II main road Park AGS Colony 4th cross street Park (Alacrity) AGS Colony 4th Main Road Park MRTS Parks AGS Colony 5th cross street Park
10	177	Velachery - East	Thiruvalluvar Park Bharathiar Park V.G.P Selva Nagar II main road Park Bethel Avenue Main Road Park (New) VGP Selva nagar 4th Main road Park Subramaniam Colony Park Velachery Main Road (Cee Bros Apts.) Velachery Main Road (Ramaniyam Apts.) Velachery Main Road (Tulive Developers Ltd) Velachery Tambaram main road (Grand Residency & Grand Mall) Velachery - Tambaram Main Road (Cee Dee Yes Apartments)

S.No	Ward	Name Of Ward	Location of the Park
11	178	Taramani	Ramagiri nagar I street Park Kanagam Nehru street Park CSIR Road, Ticel park Taramani, Chennai-113 Ramanujam IT City, Taramani National Institute of Fashion Technology (NIFT) Asscendas Park, IT Park World Bank Park IIT Madras Research Park
12	179	Thiruvanmi-yur	M.G.R Road Park-1 Gangai Street (Arupadai Veedu) Park Tiger Varathachari Park Yamuna Street Park CGE colony Park
13	180	Thiruvanmi-yur	Valmiki Nagar - 69th Cross Street Park Journalist Colony 2nd Street Park Thiruvalluvar Nagar II main road Park Thiruvalluvar Nagar 43rd Cross Street Park Thiruvalluvar Nagar 7th Cross Street Park Kannappa Nagar Park AIBEA Nagar (Devandra Nagar) Park 1st seaward road Park Thiruvalluvar Nagar 1st Avenue Park

Sl. No.	Team member contact No.	Equipment available (Tree cutting machine)	Area of operation
1	Park overseer 9445194728 Park Superintendent 7418787998	Electrical saw-1 Petrol saw - 16 Telescopic Pruner – 5 Telescopic stick-1 Manual – 2	Zone-13 (Div 168 to 180) Guindy (East & West), Saidapet, Kotturpuram, Raja Annamalaipuram, Maduvinkarai, Adyar,Besant nagar,

Sewage Pumping Stations

The sewer and drinking water services are being provided by the CMWSSB in Chennai city. There are Fifty Three pumping stations available in Adyar zone with average capacity of 3.68 MLD for each pumping station. These sewage pumping stations are maintained by CMWSSB. All the sewage pumping stations are equipped with different capacity of pumps in working condition. The details of the sewage pumping stations are given below,

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
1	Adyar Old & New	45.00	9
2	LIC Colony	25.00	4
3	Indira Nagar	10.00	3
4	Thiruvanmiyur	12.50	4
5	Gandhi Nagar	7.50	2
6	Velachery	12.50	5
7	Kottupuram	3.50	2
8	Guindy	2.50	2
9	Ekkattuthangal	4.10	3
10	Saidapet 'D'	3.50	2
11	Taramani	3.20	2
12	Thiruvalluvar Nagar	4.25	3

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
13	B.V.Nagar	2.20	3
14	512 HIG	0.80	2
15	Thanthai periyar Nagar	2.20	2
16	Velachery Sector - V	3.20	2
17	Murughu Nagar	8.30	2
18	P.T.C.Colony	1.00	3
19	Kalachetra Colony	1.25	2
20	Seethabathi Nagar	2.50	2
21	Periyar Nagar	1.80	2
22	Orrandiamman Koil Street	3.10	2
23	Saidapet - C	3.50	3
24	Sidco Main	1.50	2
25	Pallipattu	1.00	2
26	AGS Colony	9.50	2
27	Velachery Lakshmi Nagar	2.50	3
28	RA Puram	0.60	2
29	Besant Nagar - I	1.50	2
30	Besant Nagar - II	4.00	2
31	Fore Shore Estate	0.90	3
32	Sidco Lift	0.75	2
33	SKP Puram	0.50	2
34	Govinda Sami Nagar	0.50	2
35	Brahmin Street	1.20	3
36	Kalaimagal nagar	0.60	2

Sl.No.	Pumping Station	Capacity MLD	No. of pumps
37	Sidco (Adyar CRRT)	0.50	2
38	Kanagam	0.35	2
39	Valluvar Nagar	0.25	2
40	Rajaji Nagar	0.75	2
41	Bharathi Nagar	0.40	2
42	Suriya Nagar	0.02	2
43	Bharathi Avenue	0.30	2
44	Neruppumedu	0.04	2
45	Nagi Reddy Thottam	0.02	2
46	Baby Nagar	0.80	2
47	Maanjolai	0.02	1
48	Urrur kuppam	0.80	2
49	Narasingapuram	0.02	1
50	Kotturpuram puducherry	1.00	2
51	Jothiammal Nagar	0.50	2
52	Mosque Colony	0.5	1
53	Arasupannai	0.50	2

Tamil Nadu Urban Habitat Development Board tenements -(TNUHDB)

There are 6736 TNUHDB tenements in the following location with a population of 19744.

Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so.

The details of tenements and the contact details of the officials are given below,

Sl. No.	Ward No.	Tenement location	No. of tenement	Population
1	169 - Saidapet	Venkatapuram	836	3344
2	170 - Kotturpuram	Kotturpuram 128	128	512
3		Chitra nagar	460	1840
4		West Canal Bank	432	1728
5		Kotturpuram (LGGS)	140	560
6		Kotturpuram (EWS)	40	160
7		Kotturpuram 1800	1800	Construction under progress
8		Vombay Scheme	195	780
9	171 - Raja Annamalaipuram	Rajamuthaiahpuram	272	1088
10	173 - Adyar	Rukmani nagar	100	400
11		Indira nagar I	644	2576
12		Indira nagar II	100	400
13		Indira nagar III	96	384
14	174 - Besant Nagar	Kakkan colony (TN-HUDB)	304	1216
15		Sastri Nagar 3rd Cross Street (TNHUDB)	80	320
16		Thiruvalluvar Nagar	40	160
17		Thiruvalluvar Nagar Shed	101	404
18	178- Taramani	Kanagam	480	1920
19	179 – Thiruvanmiyur	Rajiv Gandhi Nagar	128	512
20		Singaravelan nagar	360	1440
		Total	6736	19744

Contact details:

Department	Designation	Area	Contact No.
TNUHDB	Executive Engineer	Division - 7	9444724812
Conservancy/GCC	Conservancy Supervisor	Unit-38 & 39	9445191438
Conservancy/GCC	Conservancy Supervisor	Unit-40 &40A	8838398964
Water Supply& Sewage /CMWSSB	Area Engineer	Area - 13	8144930913

Water Bodies and Waterways

There are 4 Canals passing in this zone (1) Guindy Industrial canal is maintained by GCC which originates from kathipara bridge travel about 1.90 Km in the zone and disposes via Nagi (R) Garden street and then melds at Adyar river, (2) Rajbhavan canal is maintained by GCC which touches the zone at Rajbavan compound wall near Raj bahavan colony travel about 1.00 Km within the zone and disposes through Velachery main road and joins Velachery lake and (3) Mambalam canal is maintained by GCC which touches the zone at West CIT Nagar travel about 0.850 Km in the zone and disposes through the Toddhunter nagar and drain into Adyar River. (4) Buckingham Canal is maintained by PWD which touches the zone at Kotturpuram near railway station travel about 2.50 Km in the zone and disposes through the SRP Tools and drain into Okkiyam Canal – joined into Muttukadu Lake. Raj bavan Canal which touches the zone at Chellammal college travel about 2.50 Km within the zone and disposes through the Adyar River and drain into Adyar River.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and de-silting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 16.99 km to ease the flow of rain water.

The details of various water bodies in this zone is listed below,

Canals

Sl. No.	Name of the Canal	Wards Covered	From	To	Length of Canal (Km)
1	Guindy Industrial canal	168	Kathipara bridge	Nagi Reddy Thottam	1.900
2	Rajbhavancanal	172&175	Rajbavan compound wall near Raj bahavan colony	Velachery main road	1.040
3	Mambalamcanal	169	CIT Nagar 1st Main Road	Adyar River	0.850
4	South B. Canal	170, 173, 178 & 180	Adyar River	SRP Tools	4.020
5	Central B. Canal	171	RK Nagar	Adyar River	1.540
6	Chellammal Drain	168	Chellammal college	Adyar River	0.400
7	Reddy Kuppam Canal	169	Railway Track near Appavu Nagar	Mambalam Canal	0.500
8	Veerangal Odai	176	Reddington Tower	Velachery Railway Station	1.200

Other water bodies

Sl No	Ward No	Name of other water bodies	Length / Area
1	168,169,170,171, 173 & 174	Adyar River	10.700 Km
2	177	Puliyenkeni Pond - Brahmin street	4896.00 Sqm
3	177	Dhandeeswaram - Pond	829.7 Sqm
4	178	Taramani - Opp to 5 C bus stand - Pond	1508.23 Sqm
5	180	Marundeeswarar koil tank, West Mada street - Pond	8254.18 Sqm

6	175	Velachery lake - Pond	225931.42 Sqm
7	177	Nadar street (Jaganathapuram) - Pond	1720.59 Sqm
8	180	Ganesh Nagar Kulam	210.00 Sqm
9	177	MRTS Pond (near 6 Vent Culvert) (Temporary Pond)	3800.00 Sqm
10	177	MRTS Pond (near 6 Vent Culvert) (Temporary Pond)	10000.00 Sqm

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off the rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

826 storm water drains to a length of 195.495 Km were constructed to ease the flow of rain water in Valasaravakkam zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward/Name	Total No. of SWDs	Length of SWDs(in Km)
1	168 - Guindy - West	49	11.45
2	169 - Saidapet	35	6.78
3	170 - Kotturpuram	53	14.36
4	171 - Raja Annamalaipuram	53	18.60
5	172 - Maduvankarai (Guindy East)	18	8.26
6	173 - Adyar	121	44.24
7	174 - Besant Nagar	42	10.15
8	175 - Adambakkam	63	11.53
9	176 - Velachery - West	152	23.91
10	177 - Velachery - East	132	22.63
11	178 - Taramani	27	8.46
12	179 - Thiruvanmiyur	30	6.47
13	180 - Thiruvanmiyur	51	8.60
		826	**195.49**

Water stagnated streets in the monsoon 2015 - heavy rain (only over-flow of Adyar river)

During the last monsson, 4 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone. The identified vulnerable spots and the actions taken to dispose the rain water in each location is as below,

Sl.No	Ward/ Name	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	168	Nagi (R) Thottam Chetti thottam Neruppumedu Vinayagapuram Anusuyamandapam	5HP-2 10HP-1	Nagi (R) Garden & Neruppumedu	Adyar River
2	170	Chitra nagar - Kotturpuram	5HP-2 10HP-1	Near bridge	Adyar River
3	175	Lakshmi nagar	5HP-2 10HP-1		Rajiv Nagar main road - SWD
4	176	Kalki nagar	12HP – 1 6HP - 1	Vacant land	Veerangal Odai

Anna University has mapped the areas inundated in this zone during 2015 flood by crowd source method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

Water stagnated streets in the monsoon 2015 - Mild rain

Sl No	Ward No	Name of the street
1	Nill	

Water stagnated streets in the monsoon 2015 - Moderate rain

Sl No	Ward No	Name of the street
1	168 – Guindy – West	Jawaharlal Nehru Road
2	172 Maduvankarai (Guindy East)	Cart track road
3	173 - Adyar	Kamaraj Avenue 2nd Street JN of KB Nagar 2nd Cross street KB Nagar 3rd Cross street (Near Nilgiris)
4	175- Adambakkam	TNHB Colony 10th street Andal Nagar 1st main road
5	176 – Velachery	A.G.S Colony Vijayanagar area Ram Nagar area
6	177 – Velachery	Udayam nagar Main road Dhandeeswaram 7th main road
7	178 – Taramani	Kennady street Raniyammal street
8	180- Thiruvanmiyur	I Sea Ward road Balakrishna Road JN

Stagnation of water in streets due to sewer blocks

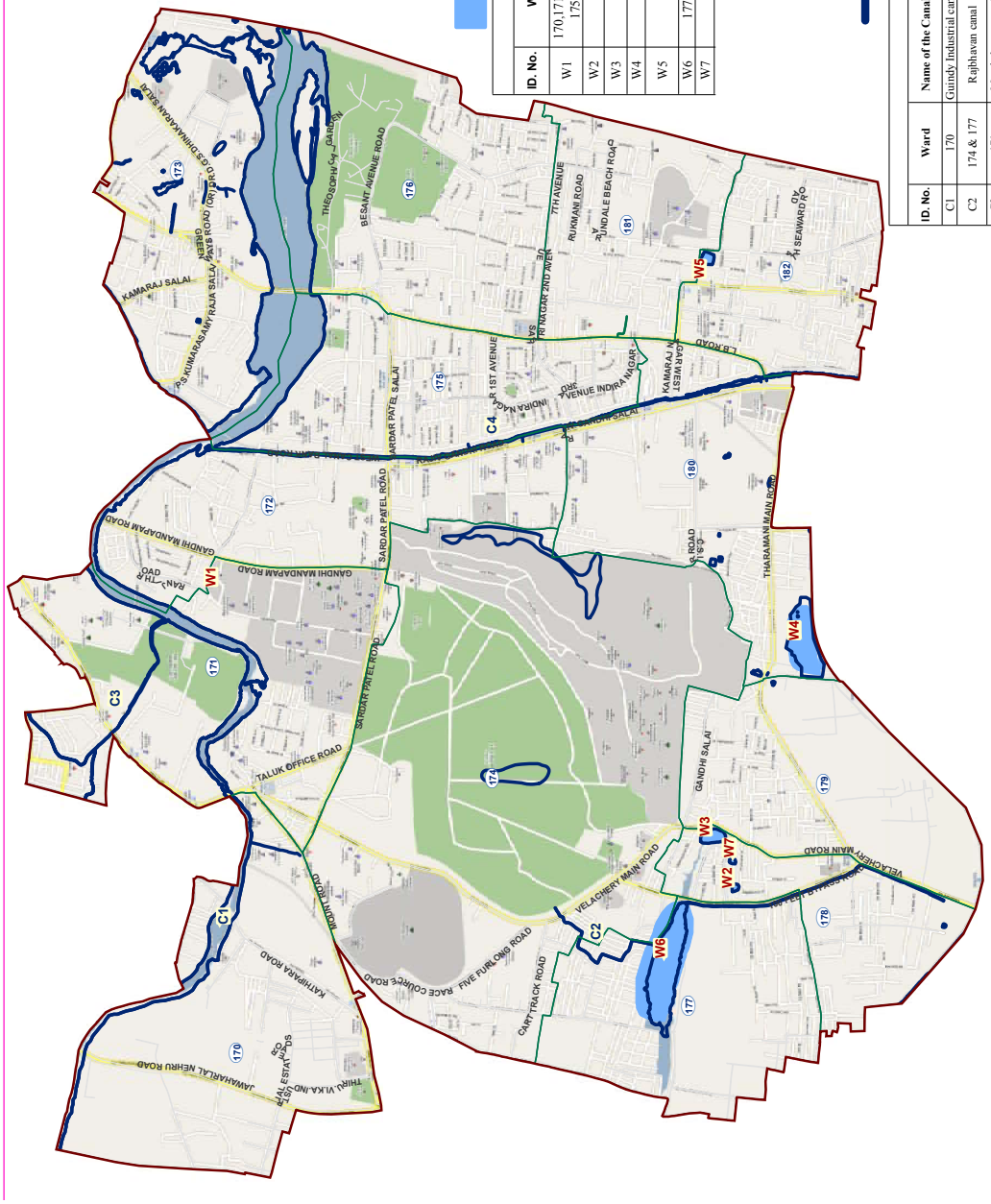
In Adyar zone, the following were the streets which had sewer blocks.

Sl. No.	ward /Name	Name of the Streets	No. of man-holes
1	170-Kotturpuram	New Street LakeView Street Kotturpuram 2nd main road Sriram Colony Main road Yadaval Street Thulukanathamman Koil Street	2 2 2 10 2 2
2	172-Maduvankarai Guindy East	Mosque Colony -New street City Link Road Cart Track Road Sathanipet 1st Street	5 2 2 1
3	174 – Besant Nagar	Sastri Nagar 11th Cross Street Jeevarathinam Nagar	3 4

4	176- Velachery West	MGR Nagar Devi Karumari Amman 9th Street Ram nagar Murugu Nagar	3 2 3 2
5	177 -Velachery	Lakshmi nagar 3rd Cross Street Lakshmipuram Throwapathy Amman Koil street Jagannadhapuram Orandiammankoil Street Celliamman Nagar	1 3 4 2 1 1
6	178 - Taramani	TP Nagar – Bharathiyar street, Budhar Street, Pattukottai Alagari Street MG Nagar – Pilliyar Koil Street, TK Kabali Street, Rajaji Street, Antoniyar Koil Street	3 4

ZONE XIII- WATER BODIES

ZONE XIII - WATER BODIES



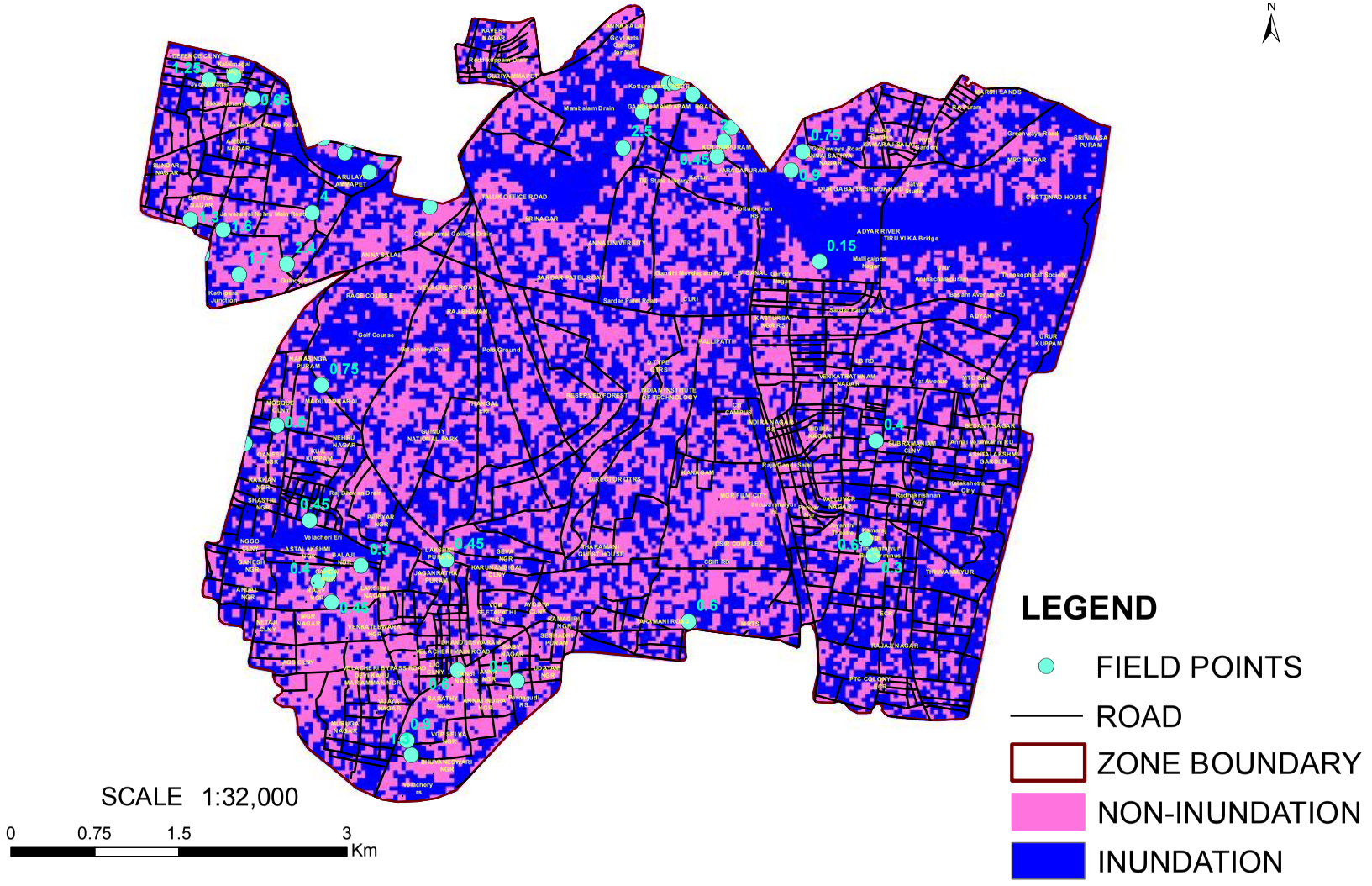
Other Water Bodies

ID. No.	Ward	Name of other water bodies	Length/Area in M^2
W1	170,171, 172,173, 175 & 176	Adyar River	3.500 Km
W2	178	Puliyenkeni Pond - Brahmin street	5225.00 Sqm
W3	179	Dhandeeswaram - Pond	2348.25 Sqm
W4	180	Taramani - Opp to bus stand -	1730.00 Sqm
W5	182	Marundeeswarar koil tank, West Mada street - Pond	3000.00 Sqm
W6	177 & 178	Velachery lake - Pond	404685.64 Sqm
W7	178	Nadar street (Jaganathapuram) -	2433.00 Sqm

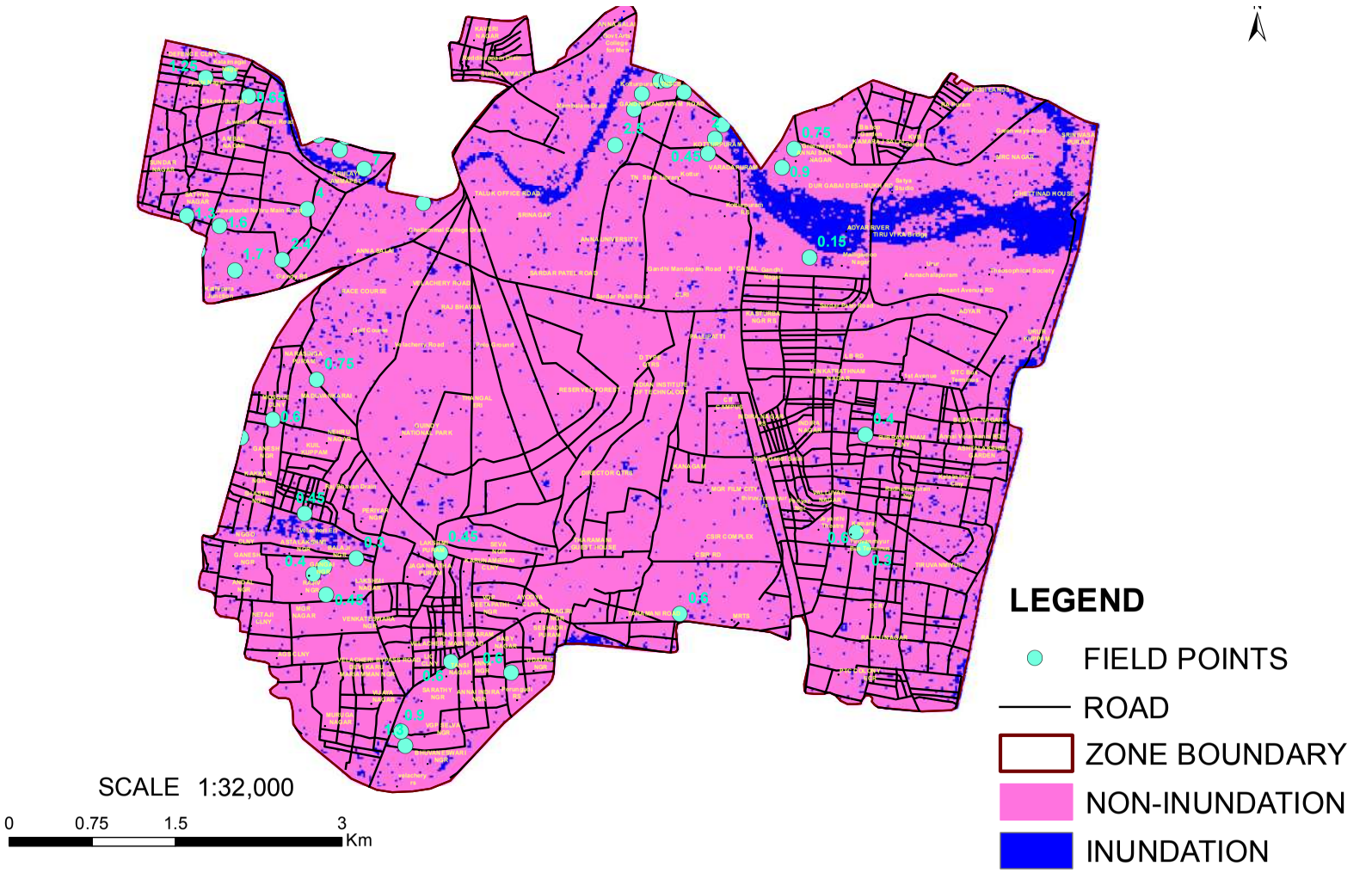
Canals

ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	170	Guindy Industrial canal	Kathipara bridge	Nagi (R) Garden	1.900
C2	174 & 177	Rajbhavan canal	Rajbavan compound wall near Raj bahavan colony	Velachery main road	1.000
C3	171	Mambalam canal	West CIT Nagar	Toddhunter nagar	0.850
C4	172,175 & 180	Buckingham canal	Kotturpuram near railway station	SRP Tools	2.500
C5	170	Raj bavan Canal	Chellammal college	Adyar River	0.400

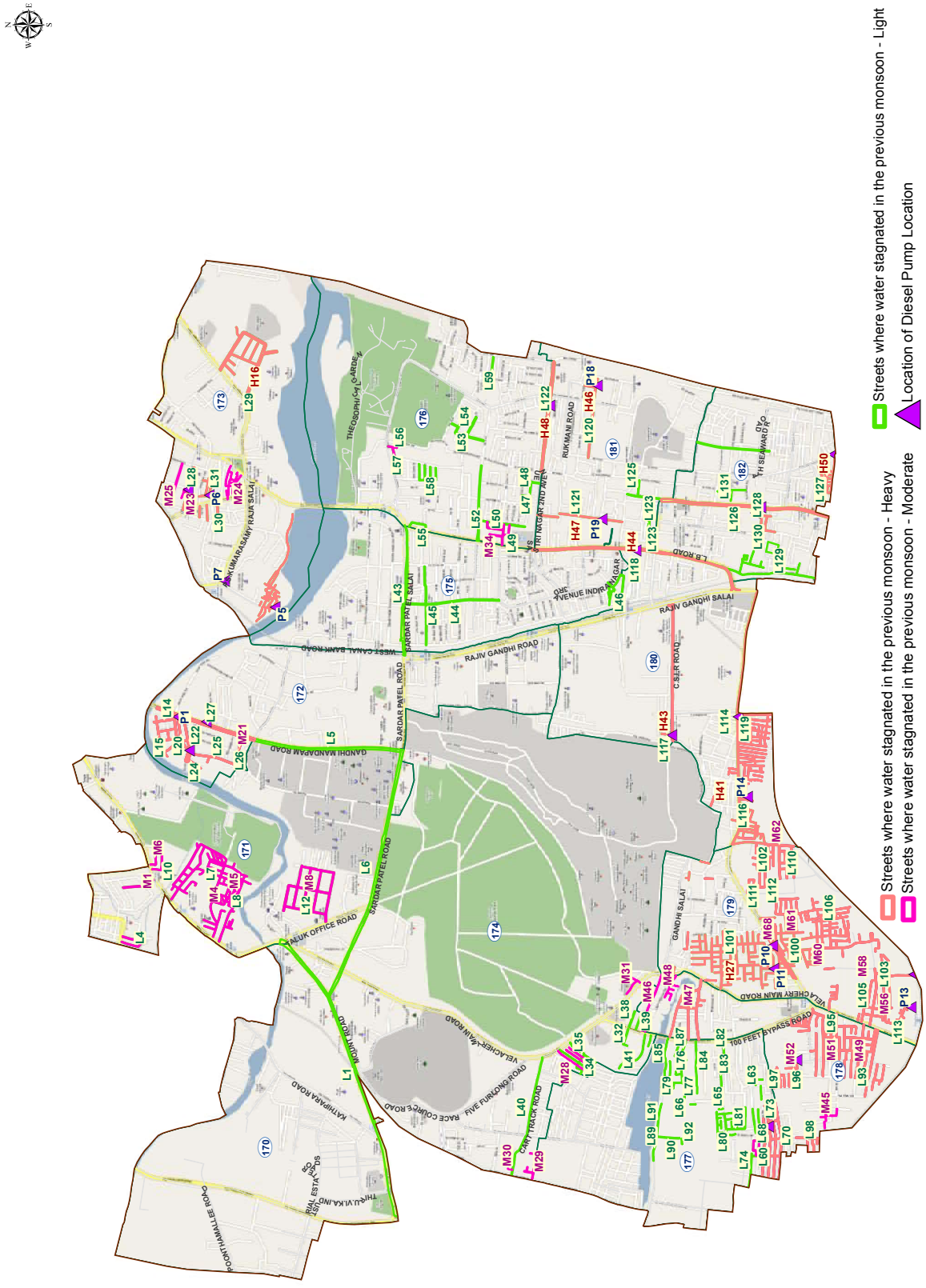
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE XIII- ROAD/STREETS PRONE TO INUNDATION & LOCATION OF PUMPS



Relief Centres

During last monsoon no relief centres were opened

There are 15 relief centres to a total capacity of 5450 that are readily available with cooking, drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
1	168 Guindy	500	Annai Velankanni school, Hospital road	Vinayaga puram, Chetti thottam, Neruppumedu, Alachiamman	Yes	Yes	No	Evacuation	Assistant Engineer	9445190768
2		700	Infant Jesus school, Labour colony	Nagi reddi thottam, Arulayammanpet	Yes	Yes	No	Food	Assessor	9444840800
3		750	Chennai Higher Secondary School Little Mount Annai Velankanni school, Hospital road Govt ITI	Arulayammanpet	Yes	Yes	No	Relief Materials	Sanitary Officer	9445025964
								Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025970
4	**169 Saidapet**	400	Model Higher secondary school	Arasupannai, Jothiammal Nagar	*Yes*	*Yes*	*No*	Evacuation	Assistant Engineer	9445190769
								Food	Assessor	9445025971
								Relief Materials	Sanitary Officer	9941224142
								Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025895
5	170 – Kottur puram	250	Anna Gem	T.N.H.B, T.N.U.H.D.B, Kotturpuram and Kottur	Yes	Yes	No	Sanitation, Medicine & Drinking water	Assistant Engineer	9940085267
									Assessor	9445190770
6			CPS, New street	T.N.H.B, T.N.U.H.D.B, Kotturpuram and Kottur	Yes	Yes	No	Sanitary Inspector	Sanitary Officer	9884221360
									Sanitary Inspector	9445025895

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
7	172 Velach-ery	1000	Chennai Hr. Sec. School	Maduvinkarai	Yes	Yes	No	Evacuation	Assistant Engineer	9445190772
								Food	Assessor	9940133353
								Relief Materials	Sanitary Officer	9445025964
								Sanitation, Medicine & Drinking water	Sanitary Inspector	8498301858
8	170 - Kottur puram	300	Chennai School Kamaraj Avenue	Adyar	Yes	Yes	No	Evacuation	Assistant Engineer	9445190773
								Food	Assessor	9884045959
9		100	Chennai School Indhira nagar					Relief Materials	Sanitary Officer	9445025895
								Sanitation, Medicine & Drinking water	Sanitary Inspector	7395948700
10	174 - Besant nagar	250	Anna School - Besant Nagar	Arunachalapuram	Yes	Yes	No	Evacuation	Assistant Engineer	9445190774
								Food	Assessor	9884045959
								Relief Materials	Sanitary Officer	9962355827
								Sanitation, Medicine & Drinking water	Sanitary Inspector	9445025878
11	175 Adam-bakkam	200	Britto school, Nethaji salai, Nehru nagar	Ambedkar nagar,	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445190775
12		100	CPS- Housing Board	Periyar Nagar				Evacuation	Assistant Engineer	9444101255
								Food	Assistant Revenue Officer	9445025964
								Relief Materials	Sanitary Officer	9445025977

S.No	Ward/ Name	Capacity	Name of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No.
13	176176 Velach-ery West	1000	Murugan kalyanaman-dapam	Erikkarai Salai	Yes	Yes	Yes	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445190776
								Evacuation	Assistant Engineer	9677081338
								Food	Assistant Revenue Officer	9445025961
								Relief Materials	Sanitary Officer	9092416543
14	177 Velach-ery East	300	Govt Higher Secondary School,	Throwpathyam-man koil Street	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445190777
								Evacuation	Assistant Engineer	9445025979
								Food	Assistant Revenue Officer	9444101255
15		300	CPS, CHS Rajalakshmi nagar	Velachery				Relief Materials	Sanitary Officer	9445025961
16	178 - Taram-ani	200	Chennai School	Udhayam Nagar	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445190778
								Evacuation	Assistant Engineer	9445025981
17		350	CPS, CHS - Peeliamman Koil Street, Taramani	Thanthai periyar nagar				Food	Assistant Revenue Officer	9677081338
								Relief Materials	Sanitary Officer	9445025961
18	180-- Thiru-vanmi-yur	200	Thiruvanmiyur - Shakthi nilayam	Ranganatha-puram	Yes	Yes	No	Sanitation, Medicine & Drinking water	Sanitary Inspector	9445190780
								Evacuation	Assistant Engineer	9445025982
								Food	Assistant Revenue Officer	9566270882
								Relief Materials	Sanitary Officer	9445025878

ZONE XIII - EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

Street/Areas - People to be shifted			
ID. No.	Ward	List of streets, people to be shifted
S1	170	New anusuya mandapam
S2	170	Vinayaga puram,
S3	170	Chetti thottam
S4	170	Nagireddi thottam
S5	170	Arulayammanpet
S6	171	Athuma nagar, Kalvi karai
S7	171	L.D.G Road, MGR nagar, Arockiamadha nagar
S8	172	Kottupuram
S9	172	Surya nagar
S10	172	Chitra nagar
S11	172	T.N.H.B.Slum Board, Kottupuram
S12	175	Mallipoo nagar
S13	176	Arunachalapuram
S14	177	Ambedkar nagar
S15	177	Kalkkan nagar and
S16	177	Periyar nagar
S17	180	Thanthai periyar nagar
S18	182	Ranganathapuram

RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R1	170	CHS, Little mount
R2	170	Annai Velankanni school, Hospital road
R3	170	Infant Jesus school, Labour colony
R4	170	Govt ITI
R5	170	Chennai Higher Secondary School Little Mount
R6	171	Teachers Training Institute
R7	171	Model Higher secondary school
R8	171	St.Francis Xavier school, Little Mount
R9	171	CHS Annasalai
R10	172	Anna Gem
R11	172	Gandhimandapam
R12	172	Rajaji Mandapam
R13	172	ABCD Park stadium
R14	172	CPS, New street
R15	173	CMS - NS Garden
R16	173	J.J Kalyanamandapam (Community Centre)
R17	175	CPS, CHS, Kamaraj avenue I street
R18	176	Avvai Home Primary school, Arunachalapuram
R19	177	Multipurpose hall - Ambedkar nagar 18th cross street
R20	177	Britto school, Nethaji salai, Nehru nagar
R21	180	CHSS - Peelamman Koil Street, Taramani
R22	182	Thiruvanmiyur - Shakthi nilayam



Subway

There are 2 subways available at Guindy and Thiyagaraya nagar in Adyar zone. The submersible pumps and diesel pumps are installed permanently to pump out the stagnated water. The respective Assistant Engineer of ward shall be called for any issue if so.

Sl.No	Ward / Location	Length of the subwayin 'm'	Pumped water disposal point	Number of pump setsinstalled - regular/ standby to pump out water
1	Pedestrian subway, Guindy, ward-168	25m	Guindy industrial drain	25 HP – 1 Nos. (Maintained by Highways)
2	Aranganathan subway, ward-169	500m	Mambalam canal	1 Nos - 25HP(Diesel), 1 Nos - 13HP(Diesel), 1 Nos - 25HP(Electrical), 1 Nos - 20HP(Electrical), 1 Nos - 10HP(Electrical), 1 Nos - 7.5HP(Electrical) 1 Nos - 5 HP (Electrical) 1 Nos - 22 HP (Electrical) 1 Nos -35 HP (Electrical)

Sl. No	Ward / Location	Length of the subway in 'm'	Pumped water disposal point	Number of pump sets installed - regular/ standby to pump out water
1	Pedestrian subway, Guindy, ward-168	25m	Guindy industrial drain	15 HP – 2 Nos. (Maintained by Highways) 15 HP – 2 Nos.(Spare)
2	Aranganathan subway, ward-169	207m	Mambalam canal	1-25HP(Diesel), 1-13HP(Diesel), 1-10HP(Diesel), 1-7.5HP(Electrical), 1-25HP(Electrical), 1-10HP(Electrical) 1-22HP(Electrical) 1-5HP(Electrical) 1-20HP(Electrical)

Tree fall

During the last monsoon - 2024 in Adyar zone totally 192 tree & branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl No	Ward	Name of the Street
1	168 Guindy - West	Alandur road
2	169 *Saidapet*	Kotturpuram Main road
3	170 Kotturpuram	Kotturpuram Main road, SP Road
4	171	DGS Dinakaran Salai RK Mutt road
5	172 Maduvankarai (Guindy East)	Velachery Main road
6	173 Adyar	Indra nagar II avenue Kasthuri bai nagar III main road
7	174 Besant Nagar	Padmanabha nagar V main road Besant Avenue Karpagam garden V cross street Sastri nagar I main road
8	175 Adambakkam	Brindhavan Nagar Mainb road
9	176 - Velachery - West	Vijaya Nagar
10	177 - Velachery - East	Velachery Main road
11	178 Taramani	Kamaraj Nagar
12	179 Thiruvanmiyur	Arundel beach road - Kalakshetra colony Rukmani street
13	180 - Thiruvanmiyur	Kamaraj nagar , ECR

Streets where water enter houses - does not require evacuation

During the last monsoon, inundated spots where water entered houses but doesn't

require evacuation were identified and actions were taken to bail out the rain water. During NEM 2017 the under mentioned location was inundated for more than a day by which the normal day to day activity of 15 families were standstilled. Flood water from this area was cleared by using 12HP & 10HP pumps (2 Nos) The identified vulnerable spot is as below.

Sl No	Ward /Name	Streets
1	177 Velachery - East	Udayam Nagar

Streets that require evacuation

During the heavy flood that occurred in 2017, in Adyar zone, No evacuation was done.

Sl No	Ward /Name	Streets	No of persons	Year	Relief centre
1	168 - 180	Nil			

Lighting Facilities

Establishing alternate sources of lighting is a pre-requisite. There are 20 battery powered lights are available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	168	Assistant Engineer	9445191494
2	169,170	Assistant Engineer	9445026101
3	171	Assistant Engineer	9445190854
4	172	Assistant Engineer i/c LI	9445190804
5	173,174	Assistant Engineer	9445191469
6	175	Assistant Engineer	9445191494
7	176,177	Assistant Engineer	9445191467
8	178	Assistant Engineer	9445191470
9	179,180	Assistant Engineer	9445191468

National Disaster Response Force

In Adyar zone, for the last monsoon No NDRF was stationed.

For – 2018 – informed to NDRF

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	170	KotturpuramTenements &Chithra Nagar
2	173	Mallipoonagar
3	176	AGS colony IV main road
4	176	Ramnagar
5	176	TambaramVelacherymainroad
6	176	Vijayanagar
7	177	Tansinagar
8	178	Bharathiyar Street

NDRF_

The Commandant
04, Battalion(NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

Rescue Boats

No boats were used in the previous monsoon – NEM 2017

For 2018, in the following locations were identified for precautionary measures

Sl.No	Ward	Number of boats required with location /evacuation areas / location	Boats stationedLocation	Contact person & Number
1	169	1 No / Srinagar Colony	Rangarajapuram	Dn.183 – Private Boat Owner : Kuppam / Kottivakkam 9383677999 9941156796 & Muttukadu boat club - 9176995860
2	170	2 Nos / Adyar River bund / Gandhi Mandapam Road	Chitra Nagar & Kotturpuram	
3	176	4 Nos / Ram nagar North Extn 6th Main road	Ram nagar,Murugu nagar,Shankar nagar,Padmavathi nagar,Srinivasa nagar, Guberan Nagar	
4	176	4 Nos / Vijaya nagar 13th Main road	Vijaya nagar,Devi Karumariyamman nagar,M.G.R nagar,Golden avenue	
5	176	2 Nos / AGS Colony 4th main road	AGS colony,Kaliki nagar,Chokkalingam nagar	
6	177	5 Nos / Tansi Nagar 15th Street (Jn. of Velachery - Taramani 100 feet road)	Tansi Nagar, Annai Indira Nagar, Anna Nagar, Baby Nagar, Balakrishna Nagar, Venus Colony, Balamurugan Nagar, V.G.P. Selva Nagar, Bhuvaneswari Nagar	
7	178	2 Nos – Udhyam Nagar 3 Nos - Thanthai Periyar Nagar	Udhayam Nagar 1st, 2nd Main Road, Undhayam Nagar 1st, 2nd ,3rd & 4th Cross Street, Anna Thidal Salai, Ramasamy Street, Buddhar Street, Pattukottai Alagiri Street.	

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 5 debris lorries, 3 skid steer loaders and 1 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below

No. of lorries and type kept in readiness	
Open lorry	- 5
Skid steer loaders (Bob cat)	- 3
(Front end loader) JCB	- 1

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry	Tele handler
AE-9445026115 AEE-9445190489	2	3	5	1	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

In Adyar Zone the following zones where not accessible by vehicles

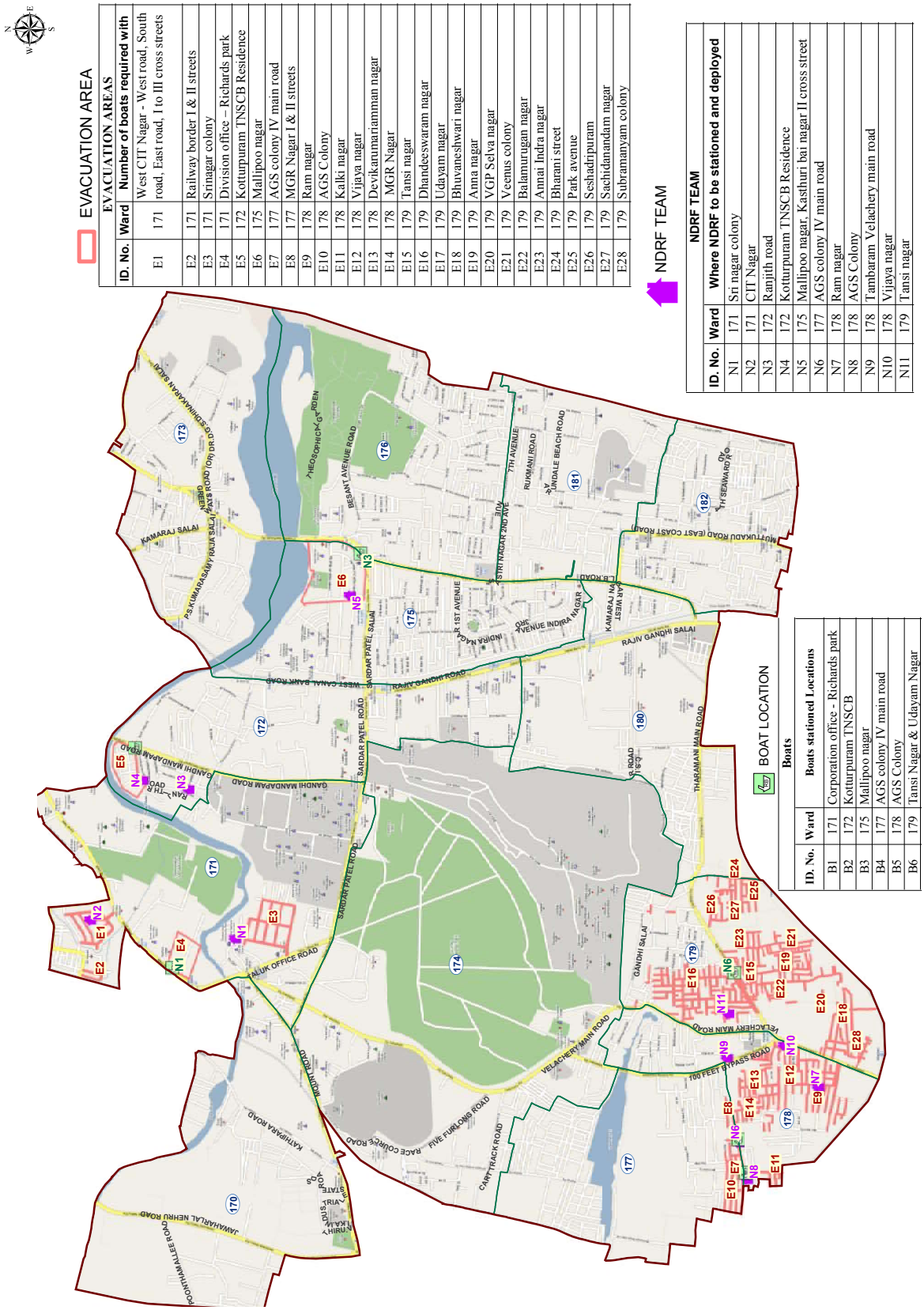
Sl.No	ward /Name	Street Names
1	170 - Kotturpuram	Chitra nagar
2	177 – Velachery East	Tansi nagar, Lakshmipuram

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

The contact details of other line departments and the measures and actions to be taken before and during the rain is given below,

ZONE XIII - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREAS		
ID. No.	Ward	Number of boats required with
E1	171	West CIT Nagar - West road, South road, East road, I to III cross streets
E2	171	Railway border I & II streets
E3	171	Srinagar colony
E4	171	Division office – Richards park
E5	172	Kotturpuram TNSCB Residence
E6	175	Mallipoo nagar
E7	177	AGS colony IV main road
E8	177	MGR Nagar I & II streets
E9	178	Ram nagar
E10	178	AGS Colony
E11	178	Kalki nagar
E12	178	Vijaya nagar
E13	178	Devikarumariamman nagar
E14	178	MGR Nagar
E15	179	Tansi nagar
E16	179	Dhandeeswaram nagar
E17	179	Udayam nagar
E18	179	Bhuvaneshwari nagar
E19	179	Anna nagar
E20	179	VGP Selva nagar
E21	179	Veenus colony
E22	179	Balamurugan nagar
E23	179	Annai Indra nagar
E24	179	Bharani street
E25	179	Park avenue
E26	179	Seshadripuram
E27	179	Sachidanandam nagar
E28	179	Subramanyam colony

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	171	Sri nagar colony
N2	171	CIT Nagar
N3	172	Ranjith road
N4	172	Kotturpuram TNSCB Residence
N5	175	Mallipoo nagar, Kasthuri bai nagar II cross street
N6	177	AGS colony IV main road
N7	178	Ram nagar
N8	178	AGS Colony
N9	178	Tambaram Velachery main road
N10	178	Vijaya nagar
N11	179	Tansi nagar

Boats		
ID. No.	Ward	Boats stationed Locations
B1	171	Corporation office - Richards park
B2	172	Kotturpuram TNSCB
B3	175	Mallipoo nagar
B4	177	AGS colony IV main road
B5	178	AGS Colony
B6	179	Tansi Nagar & Udayam Nagar

Ward committee – 168

Ward Councillor -9445467168

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190768
GCC - Electrical	Assistant Engineer	9445191494
GCC- Health	Sanitary Inspector	9445025970
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid wastemanagement	Conservancy Inspector	9789837519
GCC - Revenue	Tax Collector	7395956435
Revenue (Thasildhar)	Revenue Inspector	9940242798
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930168
TANGEDCO	Assistant Engineer	9445850183
BSNL	Assistant Engineer	044 22501444
Fire service	Inspector	9445086050
Police station	Inspector	8754943339
WRD	Executive Engineer	9884114458
TNUHDB	Executive Engineer	9840712579
Highways	Executive Engineer	8754442222

Ward committee – 169

Ward Councillor - 9445467169

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190769
GCC - Electrical	Assistant Engineer	9445026101
GCC- Health	Sanitary Inspector	9445025971
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9884538348
GCC - Revenue	Tax Collector	6381506918
Revenue (Thasildhar)	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930169
TANGEDCO	Assistant Engineer	9445850183
BSNL	Assistant Engineer	9445011101
Fire service	Inspector	9445086040 / 9445086052 9566012733
Police station	Inspector	9498131600
WRD	Executive Engineer	9597249929 / 8122286242
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 170
Ward Councillor -9445467170

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190770
GCC - Electrical	Assistant Engineer	9445026101
GCC- Health	Sanitary Inspector	9444955188
GCC - Veterinary	VeterinaryAssistantSurgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9445190820
GCC - Revenue	Tax Collector	9790779925
Revenue (Thasildhar)	Revenue Inspector	7010887760
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930170
TANGEDCO	Assistant Engineer	9445850152 / 9445850153
BSNL	Office	044-2855 0432
Fire service	Inspector	9445086040 / 9445086052 9566012733
Police station	Inspector	9080199490
WRD	Executive Engineer	9597249929 / 8122286242
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 171
Ward Councillor -9445467171

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190771
GCC - Electrical	LI/JE	9445190854
GCC- Health	Sanitary Inspector	9444955188
GCC - Veterinary	VeterinaryAssistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9445190821
GCC - Revenue	Tax Collector	9840661625
Revenue (Thasildhar)	Revenue Inspector	9003592461
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930171
TANGEDCO	Junior Engineer	9445850774 / 9445850746
BSNL	Office	9445011101
Fire service	Inspector	9445086040 / 9445086052 9566012733
Police station	Inspector	9344705584
WRD	Assistant Engineer	9443130220
TNUHDB	Executive Engineer	9840680953

Ward committee – 172
Ward Councillor -9445467172

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190772
GCC - Electrical	LI/JE	9445190804
GCC- Health	Sanitary Inspector	7871399131
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9445190824
GCC - Revenue	Tax Collector	9940375445
Revenue (Thasildhar)	Revenue Inspector	9384094059
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930172
TANGEDCO	Junior Engineer	9445850182 / 9445850163
BSNL	Office	044 22501444
Fire service	Inspector	9445086050 / 9940843817
Police station	Inspector	8754943339
WRD	Executive Engineer	9884114458
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 173
Ward Councillor -9445467173

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190773
GCC - Electrical	Assistant Engineer	9445191469
GCC- Health	Sanitary Inspector	9444955188
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9445190823
GCC - Revenue	Tax Collector	8778262314
Revenue (Thasildhar)	Revenue Inspector	8870158508
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930173
TANGEDCO	Assistant Engineer	9445850146
BSNL	Assistant Engineer	9445011101
Fire service	Inspector	9445086040 / 9445086052 / 9566012733
Police station	Inspector	94454 65145 / 70105 14558
WRD	Executive Engineer	9597249929 / 8122286242
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 174

Ward Councillor -9445467174

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190774
GCC - Electrical	Assistant Engineer	9445191469
GCC- Health	Sanitary Inspector	9445025982
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9080738155
GCC - Revenue	Tax Collector	9840634744
Revenue (Thasildhar)	Revenue Inspector	9384094065
GCC - Park overseer	Park Supervisor	9092519361
CMWSSB	Assistant Engineer	8144930174
TANGEDCO	Assistant Engineer	9445850146 / 9445850148
BSNL	Office	9445015181
Traffic	Inspector	9080353566
Fire service	Inspector	9445086040 / 9445086052
Police station	Inspector	8903401666
WRD	Executive Engineer	8122286242
TNUHDB	Executive Engineer	9962510417
Highways	Executive Engineer	8754442222

Ward committee – 175

Ward Councillor -9445467175

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190775
GCC - Electrical	Assistant Engineer	9445191494
GCC- Health	Sanitary Inspector	9445025977
GCC - Vetenary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9444249554
GCC - Revenue	Tax Collector	9940160944
Revenue (Thasildhar)	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930175
TANGEDCO	Junior Engineer	9445850160
BSNL	Assistant Engineer	9445015181
Fire service	Inspector	-
Police station	Inspector (Adambakkam)	9944024247
WRD	Executive Engineer	9952046172
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 176
Ward councillor – 9445467176

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190776
GCC - Electrical	Assistant Engineer	9445191467
GCC- Health	Sanitary Inspector	9944517045
GCC - Vetenary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste manage ment	Conservancy Inspector	7708069009
GCC - Revenue	Tax Collector	9940160944
Revenue (Thasildhar)	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930176
TANGEDCO	Junior Engineer	9445850162 / 9445850186
BSNL	Assistant Engineer	9445015181
Fire service	Inspector	9445086527
Police station	Inspector	9444714222
WRD	Executive Engineer	9952046172
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee –177
Ward councillor 9445467177

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190777
GCC - Electrical	Assistant Engineer	9445191467
GCC- Health	Sanitary Inspector	9445025979
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste man-age-ment	Conservancy Inspector	9445190827
GCC - Revenue	Tax Collector	9962666842
Revenue (Thasildhar)	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930177
TANGEDCO	Assistant Engineer	9445850161 / 9445850163
BSNL	Assistant Engineer	9445015181
Fire service	Inspector	9445086527
Police station	Inspector	9444714222
WRD	Executive Engineer	9952046172
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward councillor –178

Ward councillor 9445467178

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190778
GCC - Electrical	Assistant Engineer	9445191470
GCC- Health	Sanitary Inspector	8344016892
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	8072594494
GCC - Revenue	Tax Collector	9566056440
Revenue (Thasildhar)	Revenue Inspector	9841338589
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930178
TANGEDCO	Junior Engineer	9445850161 / 9445850152
BSNL	Assistant Engineer	9445013210
Fire service	Inspector	9445086527
Police station	Inspector	9840970834
WRD	Executive Engineer	9952046172
TNUHDB	Executive Engineer	9840680953
Highways	Executive Engineer	8754442222

Ward committee – 179

Ward councillor – 9445467179

Name of the de-partment	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190779
GCC - Electrical	Assistant Engineer	9445191468
GCC- Health	Sanitary Inspector	9944517045
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid wastemanage-ment	Conservancy Inspector	9962376686
GCC - Revenue	Tax Collector	9710602288
Revenue (Thasildhar)	Revenue Inspector	9384094066
GCC - Park overseer	Park Supervisor	9445194728
CMWSSB	Assistant Engineer	8144930179
TANGEDCO	Junior Engineer	9445850148 / 9445850156
BSNL	Office	9423993294
Fire service	Inspector	9445086040 / 9445086052
Police station	Inspector	7010514558
TNUHDB	Executive Engineer	9940498952
Highways	Executive Engineer	9361600039

Ward committee – 180

Ward councillor – 9445467180

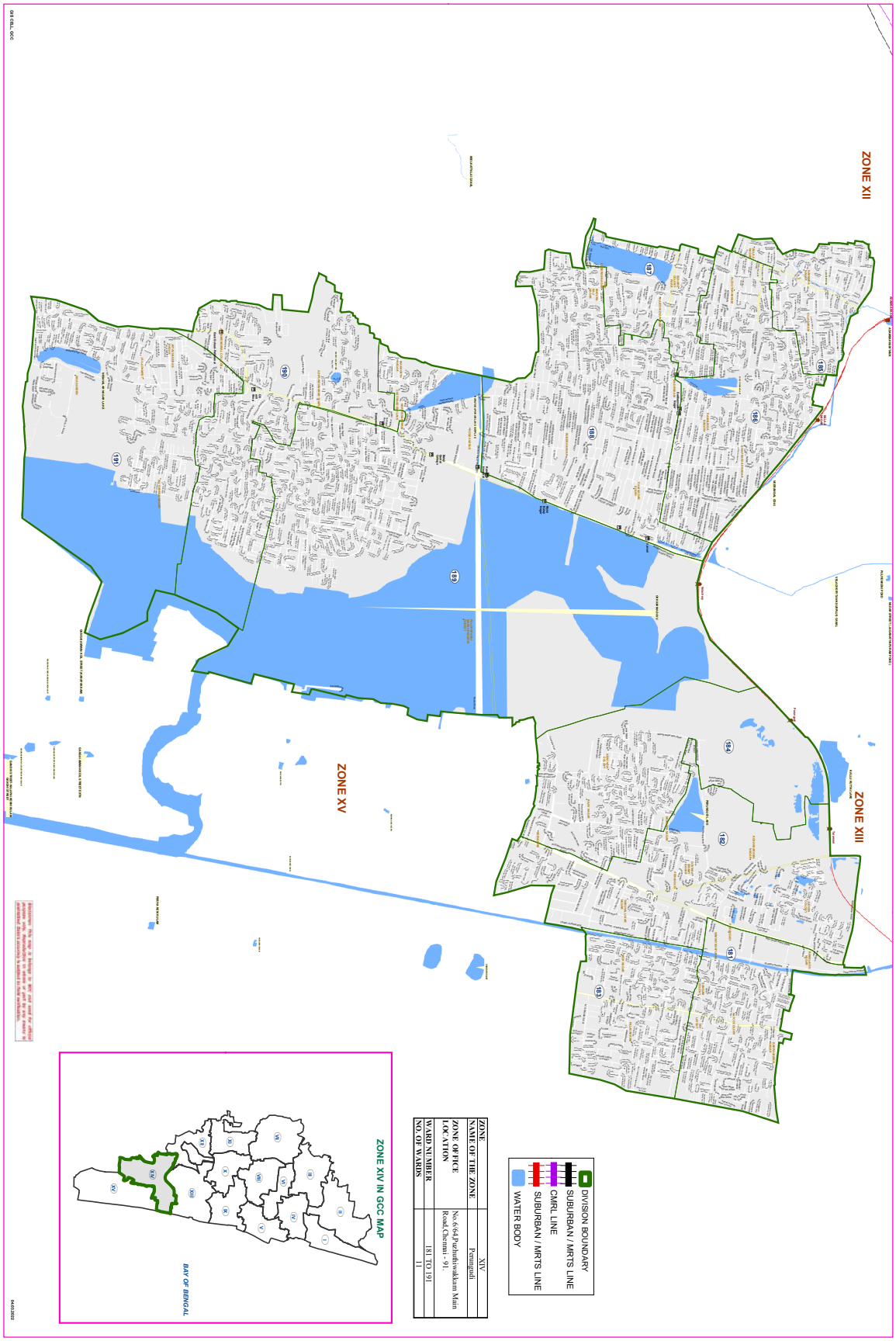
Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190780
GCC - Electrical	Assistant Engineer	9445191468
GCC- Health	Sanitary Inspector	9566113565
GCC - Veterinary	Veterinary Assistant Surgeon	9940040737
GCC - Solid waste management	Conservancy Inspector	9380893023 / 9791066522
GCC - Revenue	Tax Collector	9789519276
Revenue (Thasildhar)	Revenue Inspector	9384094066
GCC - Park overseer	Park Supervisor	9445194728 / 9444044174
CMWSSB	Assistant Engineer	8144930180
TANGEDCO	Junior Engineer	9445850156 / 9445850149 / 9445850148
BSNL	Assistant Engineer	9423993294
Fire service	Inspector	9445086040 / 9445086052
Police station	Inspector	7010514558
PWD	Executive Engineer	9597249929
Highways	Executive Engineer	9361600039

ZONE - XIV

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ZONE XIV - WARD BOUNDARY



Profile

The Perungudi zone lies in Latitude 13.0052°, Longitude 80.20248° and covering an area of 476.96km.

There are 3199 roads, out of which 3187 roads to a length of 458.15 km are InteriorRoads,whicharemaintainedbyGCCandtheremaining11roadsareunderthe maintenance of Highways department and 1 road belongs to TNRDC.

The population is about 4.68lakhs that has Male population of 50.58%and Female population of 49.42 % In this zone, the most densed area is Ward 188 with a population of 64,764 and the least is Ward 187 with a population of 24,312. The Ward wise populations are given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	181	7673	30692
2	182	9784	39136
3	183	8509	34036
4	184	14479	57916
5	185	7561	30244
6	186	14580	58320
7	187	6078	24312
8	188	16191	64764
9	189	10108	40432
10	190	11261	45044
11	191	10926	43704
TOTAL		**117150**	**468600**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, 2 Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Zonal Officer	41,42,43/181-191	9445190014

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation are jurisdiction with contact details are given below.

Sl.No.	Zone/Unit/ Ward	Designation	Phone/ Mobile No.
1.	14	Zonal Officer	9445190014
2.	14	ExecutiveEngineer–I	9445190034
3.	14	ExecutiveEngineer–II	9445026083
4.	41	Assistant Executive Engineer	9445190141
5.	42	Assistant Executive Engineer	9445190142
6.	43	Assistant Executive Engineer	9445190143
7.	SWM	Assistant Executive Engineer	9445910971
8	Special Projects	Assistant Executive Engineer	9445026079
9	14	AdditionalDivisionalEngineer,Electrical	9445190054
10	14	AssistantExecutiveEngineer,Mechanical	9445190484,9445190490, 9094046132,9094046132

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl.No.	Designation	Zone/Unit/Div.	Phone/Mobile No.
1.	Conservancy Supervisor	U-41	9445191441
2	Conservancy Supervisor	U-42	9445191442
3	Conservancy Supervisor	U-43	9445191443

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl.No.	Designation	Zone/Unit/Div.	Phone/Mobile No.
1.	Zonal Health Officer	14	9445190074
2.	Sanitary Officer	U-41,	9445025985
3	Sanitary Officer	U-42	9445191400
4	Sanitary Officer	U-43	9445190841
5	Vetinary surgeon	Z-14	9445026043
6	Junior Entomologist	Z-14	9445190475

Parks

There are 75 Parks available in Lakshmi Nagar, Balaji Nagar, Ramappa Nagar, Govindan Nagar, Venkatesan Nagar, Karthikeyapuram, Ramamurthy Nagar, Kamakotti Nagar, Dr.Ambedhkar Nagar. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl.No.	Team member contact No.	Equipment available	Area of operation
1.	Park Overseer 9445071062	Tree cutting saw Manual-5 Power saw-10	Perungudi

S.No	Ward	Name/Location of the Park
1.	181	KarpagambalNagar3rdStreet,Netcocolony,RajivGandhiSalaitrue Value Homes, Prince InfoTech park, Rajiv Gandhi Salai HCL
2.	182	Thiruvalluvar street, Ramappa nagar 1st cross street,CBIColony2nd main road, Anna nedunsalai ferrai house park, Anna nedunsalai twin court park,MGR Salai (Ramaniyan Kudirupu),Sathyamoorthy road Lakshmanan Nagar, Anna Nedunsalai, Jain House, RMZ Phase I, Varalakshmi Tech, OMR Apollo Hospital, OMR Proton
3.	183	Vgplayout4thmainroad,PalavakkaECR(amara)park,Kandasamy Nagar 3rd street,Govindhan Nagar 1st street (Poomalai Street)
4.	184	Omathurai park, Thirumalai nagar Park, Vengateswara nagar park, Rajiv nagar, Anna nedunchalai, Telephone nagar 2ndcross street, Rajiv Nagar 1stMain Road Doshi flat park, Panchayat road jain anumitha flat Park,Corporationroadpark,WTC,CorporationRoad,PeriyarSalai.
5.	185	Lakshmi nagar 10thstreet
6.	186	Balaji nagar extn south, Iyyan thiruvalluvar park, Balaji nagar 19thstreet, Ags col-ony 2nd Street, Annai therasa 14th street, Epr nagar, Hindu colony 2nd MainRoa dpark,VelacheryInnerringRoad,Andavarstreet,BalajiNagar24th Street.
7.	187	Park square colony park,Karhtikeyapuram 6thstreet, Mahatma ganthi park
8.	188	Rajalakshmi nagar 1st Main Road, Anna nagar 5th main road, Dr Rama-moorthy nagar park 1st Main Road, JV Nagar, Ram Nagar 8th cross stree t,BajanaiKovilStreet,Naickar Kuttai Mahalakshmi Nagar MainRoad,SenthilNagarMainRoad,MeenatchiNagar
9.	189	Astalakshmi avenue,VGP shanthi nagar, Arumugam nagar, IIT col-ony 3rd main road,Kamakotti nagar 1st main road,Thamaraikulam park,Herbal park,Chettinadu housing park1,Chettinadu housing park3,Kamakoti Nagar 4th&5thStreet Junction, Kamakotti Nagar 9th cross Street, Rajesh nagar, Kamakoti Nagar 6th Street North, Jones foundation east (near Max worth Nagar), Chetti Nadu Housing Park 2, Jones foundation west(near Maxworth Nagar), ChettinadEnclave
10.	190	Ambal Nagar Pond Park
11.	191	Jaya chandran nagar 5thmain road, Jayachandran nagar 1stmain road,SeleneEstate,KrishnaNagar3rdCrossstreet,MuthuNagarOSRPark,G Square Synergy,JayachandranNagar1stmainroadpondpark,Casagrand Tranquil 1 & 2.

Sewage Pumping Stations

Pumpingstationsavailable at Dn 184 in Perungudi Zone.

Tamilnadu Urban Habitat Development Board

There are no TNUHDB tenements in Perungudi Zone.

Water Bodies and Waterways

There are 3 Canals passing in this zone **(1) Buckingham canal,** maintained by PWD which originates from Thiruvanmiyur and Kottivakkam about 2.80 Km in the zone and disposes via Palavakkam and Neelangarai and then melds at sea (Bay of Bengal),**(2) Narayanapuram lake canal,** maintained by PWD which touches the zone at Kovilambakkam travels about 0.8 Km in the zone and disposes through Marsh Land and joins at sea (Bay of Bengal) and **(3) Mylai Balaji Nagar Canal,** maintained by GCC which touches the zone at Ramnagar, 16th street travel about 0.8 Km in the zone and disposes through the marsh land and drain at sea (Bay of Bengal)

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 55.94 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Divisions Covered	From	To	Length of Canal (Km)
1	B Canal	181	Avvai Nagar	Kamarajar Salai	1.3
2	B Canal	183	Kamaraj Salai	govindan nagar 1st main road	1.09
3	Veerangal Odai (MGR Street to Vanuvampet)	185	MGR Street	Vanumpet	0.92
4	Veerangal Odai	188	Ram nagar 16th street	marsh land	0.8
5	Veerangal odai (South Side)	186	Puzhuthivakkam MRTS	Velachery MRTS	2.8
6	Iyappa Nagar	187	Medavakkam-Mount Highways	Lakeview main road	0.38

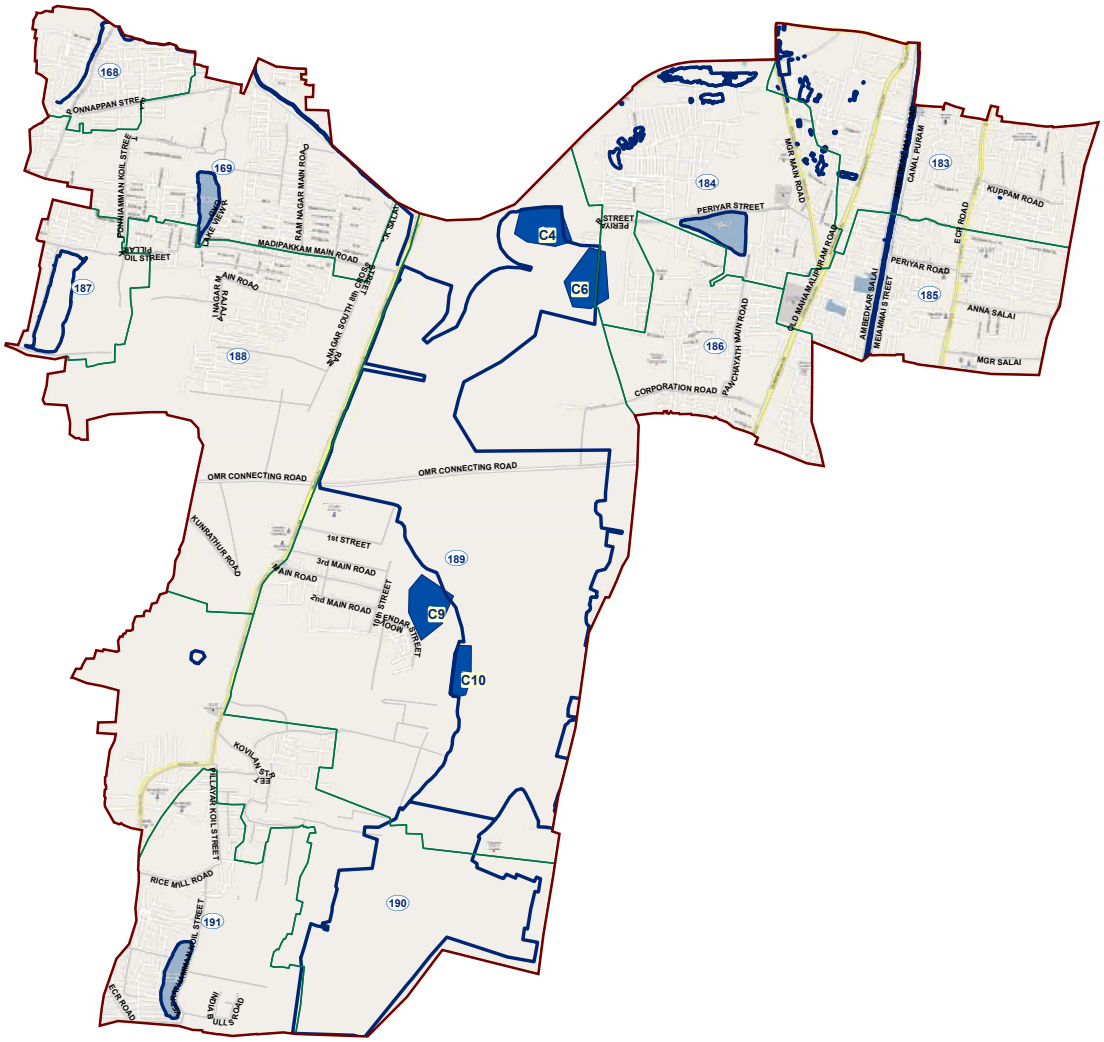
7	Pilliyar Koil Street	187	Pillaiyar koil street	Kulakkarai 2nd cross street	0.12
8	Veerangal odai	188	Velachery Inner ring road	Marsh Land	0.15
9	Mylai Balaji Nagar 1st Block Canal	188	Ram Nagar South 16th Main Road	Marsh Land	0.21
10	Mylai Balaji Nagar 4th Block Canal	188	Govindan Street	Marsh Land	0.24
11	Narayanapuram Vaikal	189	Narayanapuram Lake	Marsh Land	0.45
11	Narayanapuram Vaikal	189	Narayanapuram Lake	Marsh Land	0.45

Other water bodies

S. No	Ward	Location	Length/Area in M^2	Maintenance
1	181	Thamarai Keni Kulam	2576.37	GCC
2	182	Anna Nedunsalai,Lake	159700.00	PWD
3	183	Amara Park, Jaishankar Nagar	2517.00	GCC
4	184	Vembuliamman Street	2025.00	GCC
5	184	Panchayat Main Road	2250.00	GCC
6	184	Veerapandiakattabomman Street(Kilinjal Kulam)	3600.00	GCC
7	186	Puzhuthivakkam Chitheri	111372.00	GCC
8	186	Gangaiamman Kulam (Annai Therasa Nagar 10th Street)	2050.00	GCC
9	186	Rettai Kuttai (Annai Therasa Nagar 14th Street)	750.00	GCC
10	186	Sadai Kuttai (Annai Therasa Nagar 14th Street)	500.00	GCC
11	186	Mandapa Kuttai (Ramalingam Nagar Main Road)	1850.00	GCC
12	187	Madipakkam Iyappa nagar lake	205500.00	PWD
13	187	Gangai Amman Kulam (Kulakarai 2nd Street)	187000.00	GCC

S. No	Ward	Location	Length/Area in M^2	Maintenance
14	188	Naickar Kuttai (Dr. Ambedkar Salai Mahalakshmi Nagar Jn.)	4170.00	GCC
15	189	Narayanapuram Lake	227250.00	PWD
16	189	Tambaram Velachery Main Road,Thamaraikulam	14811.49	GCC
17	189	Thulukanathamman Koil Main Road,Nasan Kulam	600.00	GCC
18	189	Ayyan Kulam (Salpan Kuttai)	21100.00	GCC
19	190	Periya Eri (PWD) (Bhavani Amman Koil street)	60780.00	PWD
20	190	Anai Eri (PWD) (Ambal Nagar)	121561.00	PWD
21	190	Citheri (Kovalan Nagar) (PWD) Thulukathamman main road)	76200.00	GCC
22	190	Amman Kulam (Ambal nagar)	7300.00	GCC
23	190	Pillaiyar Koil (Tambaram Velachery Main Road)	9500.00	GCC
24	190	Varadharajapuram Kulam	2400.00	GCC
25	190	Thandukkarai Kulam (Vivekanandar 1st Main Road)	10500.00	GCC
26	191	Jalladianpet Lake, Periya Eri (Veerathamman Koil Street) (PWD)	273900.00	PWD
27	191	Anchaneyar Nagar(Vannan kuttai)	101171.00	GCC
28	191	Gandhi Street(Uthukulam)	3600.00	GCC
29	191	Thiruvalluvar Nagar Kuttai	1150.00	GCC
30	191	Paladiyamman Koil Street (Kuttai)	176.00	GCC
31	191	Jayachandiran Nagar 1st Main Road pond	5880.00	GCC

ZONE XIV - WATER BODIES



CANAL/OTHER WATER BODIES

Canal/Other water bodies		
ID	Ward	Name of the Canal/Other water bodies
C1	168	Veerangal Odai
C2	169	Veerangal Odai
C3	183	B'Canal
C4	184	Perungudi Marsh Land
C5	185	B'Canal
C6	186	Pallikaranai Marsh Land
C6A	186	B'Canal
C7	187	canal located at the back side of Mylai Balaji Nagar
C8	188	canal located at the back side of Mylai Balaji Nagar
C9	189	Pallikaranai Marsh Land
C10	190	Pallikaranai Marsh Land
C11	191	PWD Lake

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone.

702 storm water drains to a length of 158.34 Km were constructed to ease the flow of rain water in Perungudi zone. The details of SWD and instructions to be followed before and during rain are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs Km
1.	181	15	2.35
2.	182	108	23.96
3.	183	16	3.09
4.	184	50	11.07
5.	185	65	12.01
6.	186	107	24.15
7.	187	42	7.90
8.	188	109	39.07
9.	189	96	20.32
10.	190	62	8.92
11.	191	32	5.39
Total	188	**702**	**158.34**

Water stagnated streets in the monsoon 2015 - heavy rain fall

During the last monsoon, 86 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identified water stagnation and actions taken to dispose the rain water in each location are as below,

S. No	Div	Location	Reasonfor inundation	Motordetails (Hp,Diesel/ Petrol, Tractor)
1	181	L.PNagar	Low lying area	5 HP/ Diesel
2	181	Jaganathan Street	Low lying area	5 HP/ Diesel
3	181	Lakshmi Vathana Street	Low lying area	7.5HP/ Diesel
4	181	SriVenkateshwara Nagar9$_{th}$St	Low lying area	25HP/ Diesel
5	181	Kalyani Nimalan Street	Low lying area	5 HP/ Diesel
6	181	Kaveri Nagar6$_{th}$Street	Low lying area	45HP/ Diesel
7	181	Kaveri Nagar5$_{th}$Street	Low lying area	45HP/ Diesel
8	181	Bay Watch Road	Low lying area	100HP/ Elec 45HP/ Diesel
9	181	SwaminathanNagar Streets	Duetoraising of B CanalWaterlevel back flow Duetoraising of B	5 HP/ Diesel
10	181	Natco Colony	Canal Waterlevel back flow	5 HP/ Diesel
11	182	MaruthiNagar1$_{st}$main road	SWDIssue	25HP/ Diesel
12	182	MaruthiNagar2$_{nd}$Main road	SWDIssue	5 HP/ Diesel
13	182	MaruthiNagar5$_{th}$cross street	SWDIssue	25HP/ Diesel
14	182	SenthilNagar5$_{th}$cross street	SWDIssue	2 HP/ Diesel
15	182	OMR(JunctionofMGR Sala i)	Low Lying area	45HP/ Diesel
16	183	VGPNagar	Low Lying area	25HP/ Elec
17	183	Palakalai Nagar	SWDIssue	50HP/Tractor
18	183	Jaishanakar Nagar	SWDIssue	10HP/ Diesel
19	183	Govindhan Nagar	SWDIssue	25HP/Diesel 50HP/Tractor
20	183	Kandasamy Nagar	Low Lying area	4/ HP
21	183	Mayana Salai	Low Lying area	50/HP

22	184	Panchayat office road	Low Lying area	5 HP/ Diesel
23	184	Thirumalai Nagar	Low Lying area	5 HP/ Diesel
24	184	Saravanannagar	Low Lying area	5 HP/ Diesel
25	184	KumaranNagar	Low Lying area	5 HP/ Diesel
26	184	Seevaram1st and2nd street	Low Lying area	25HP/ Diesel
27	184	Selvaganapathyav- enue	Low Lying area	25HP/ Diesel
28	184	Rajiv nagar	Low Lying area	25HP/ Diesel
29	184	JanakiramanNagar	Low Lying area	25HP/ Diesel
30	184	Kamarajar Nagar	Low Lying area	25HP/ Diesel
31	184	PeriyarSalai	Low Lying area	25HP/ Diesel
32	184	Nethaji Nagar	Low Lying area	25HP/ Diesel
33	184	Kallukuttai	CanalBlockage	25HP/ Diesel
34	185	KuberanMunusamy Street	SWDDisposal	50HP/ Diesel
35	185	Lakshmi Nagar5th Street Extn	Low Lying area	25HP/ Diesel
36	185	BalajiAvenue	Low Lying area	25HP/ Diesel
37	185	GiriStreet	Low Lying area	
38	185	Kasturibai street	Low Lying area	
39	185	BalajiNagar10th street Extn	NoStormWater Drain	25HP/ Diesel
40	186	NewIndiaColony	Disposal end of Veerangalodai overflow	50HP/Tractor
41	186	MageswariAvenue	Disposal end of Veerangalodai overflow	10HP/ Diesel
42	186	Jaya Nagar	NoStormWater Drain	10HP/ Diesel
43	186	Ram Nagar (North)	Disposal end of Veerangalodai overflow	25HP/Diesel(2 no's)
44	186	Balaji Nagar	Disposal end of Veerangalodai overflow	5 HP/ Diesel
45	187	DeivanaiNagar2nd street	Low Lying area	5 HP/ Diesel
46	187	DeivanaiNagar3rd street	Low Lying area	50HP/Tractor
47	187	Bharath Street	Low Lying area	5 HP/ Diesel
48	188	Anna Nagar	Low Lying area	5 HP/ Diesel
49	188	Meenakshi Nagar	Low Lying area	50HP/Tractor
50	188	Arumugam Nagar	Low Lying area	5 HP/ Diesel
51	188	KuberannagarExtn	Low Lying area	5 HP/ Diesel
52	188	Ram Nagar (south)	Low Lying area	25HP/ Diesel
53	188	LICNagar	Low Lying area	5 HP/ Diesel
54	188	Sadasivam Nagar	Low Lying area	5 HP/ Diesel
55	188	Lakshmi Nagar	Low Lying area	10HP/ Diesel

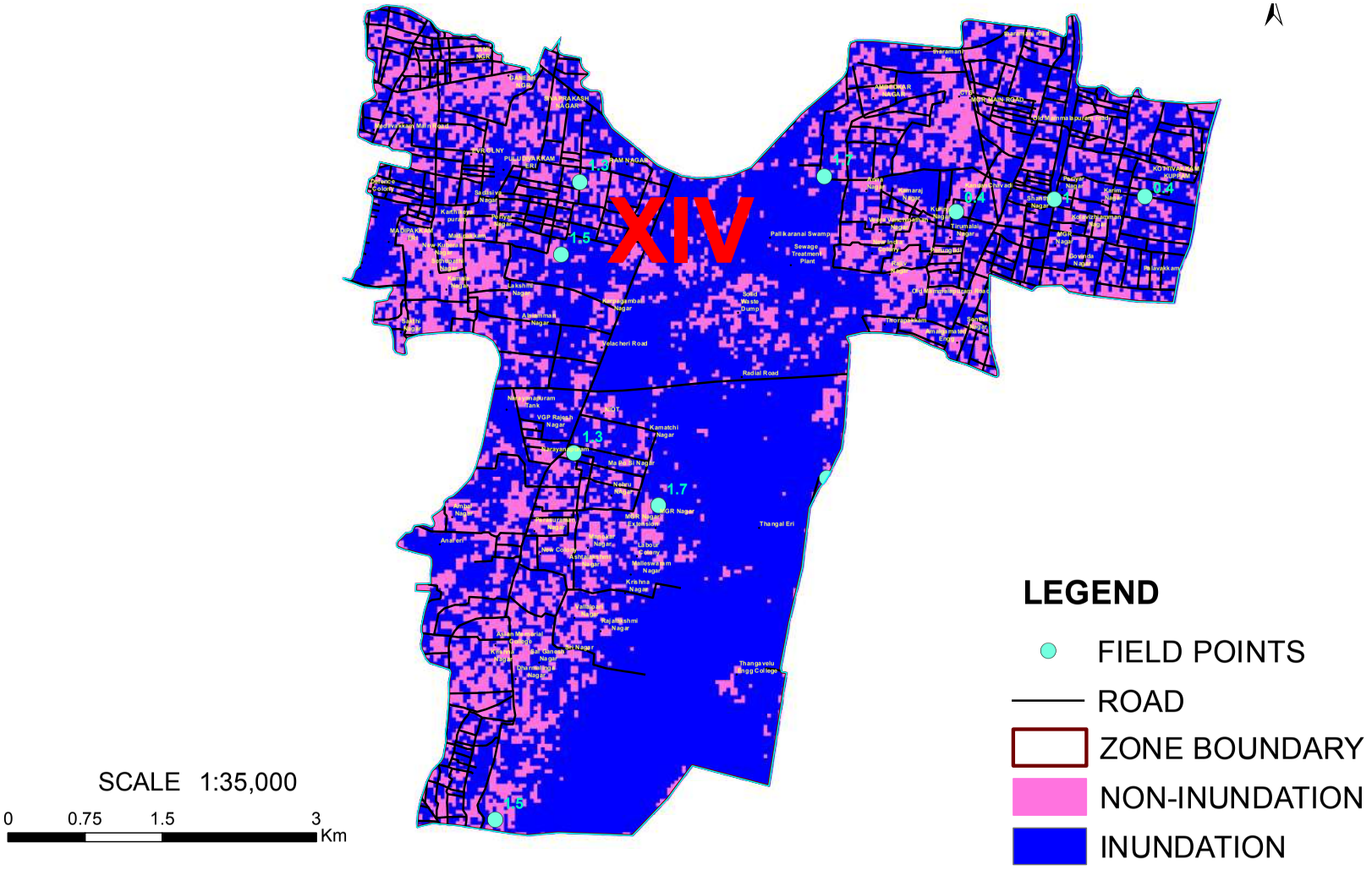
56	189	Rajesh Nagar	Low Lying area	5 HP/ Diesel
57	189	NageswariAmman Nagar	Low Lying area	5 HP/ Diesel
58	189	MaPoSi Nagar	Low Lying area	5 HP/ Diesel
59	189	Kamakotti Nagar	Low Lying area	5 HP/ Diesel
60	189	SaiBalaj Nagar Part–1	Low Lying area	50HP/Tractor
61	189	Veppampattu	Low Lying area	50HP/Tractor
62	189	SaiBabaNagar	Low Lying area	50HP/Tractor
63	189	Pudhuthangal	Low Lying area	50HP/Tractor
64	189	Malligeswaran Nagar	Low Lying area	50HP/Tractor
65	189	Anna M.G.R Nagar	Low Lying area	50HP/Tractor
66	189	Dr.Ambedkarstreet	Low Lying area	50HP/Tractor
67	189	Labour colony	Low Lying area	50HP/Tractor
68	189	NagathammanKoil Street	Low Lying area	50HP/Tractor
69	189	Troppical colony	Low Lying area	5 HP/ Diesel
70	189	Seevas Avenue	Low Lying area	5 HP/ Diesel
71	189	AGS Colony	Low Lying area	5 HP/ Diesel
72	189	Dhanam Nagar	Low Lying area	5 HP/ Diesel
73	189	ArunNagar	Low Lying area	50HP/Tractor
71	189	AGS Colony	Low Lying area	5 HP/ Diesel
72	189	Dhanam Nagar	Low Lying area	5 HP/ Diesel
73	189	ArunNagar	Low Lying area	50HP/Tractor
74	189	Kamatchiyamman Nagar	Low Lying area	50HP/Tractor
75	189	QuidemillathNagar	Low Lying area	50HP/Tractor
76	190	SaiBalajiNagar$2_{nd}$to 4_{th}Part(21Roads	Low Lying area	50HP/Tractor
77	190	Pasumpon Nagar(3 Roads)	Low Lying area	10HP/ Diesel
78	190	PampanSamyNagar (3Roads)	Low Lying area	10HP/ Diesel
79	190	SriNagar(3Roads)	Low Lying area	7.5HP/ Diesel
80	190	VallalPariNagar(4 Roads)	Low Lying area	10HP/ Diesel
81	190	Rajalakshmi Nagar7_{th} Street extn(Ranga- natha-puram)(1Road)	Near Marshland	10HP/ Diesel
82	191	Sai Ganesh Nagar (35No-sCrossstreet& 6 main road) 41 streets	Near Marshland	50HP/Tractor

83	191	Pandiyan Nagar(2Nos Main road & 7Nos crossstreet)9streets	Lake	50HP/Tractor
84	191	NesavalarNagar(12 Streets)	Lake	5 HP/ Diesel
85	191	Padmavathi Nagar(6 streets)	Low lying area	5 HP/ Diesel
83	191	Pandiyan Nagar(2Nos Main road & 7Nos crossstreet)9streets	Lake	50HP/Tractor
84	191	NesavalarNagar(12 Streets)	Lake	5 HP/ Diesel
85	191	Padmavathi Nagar(6 streets)	Low lying area	5 HP/ Diesel
86	191	Masuthi street	Low lying area	5 HP/ Diesel
87	191	Manickam street	Low lying area	5 HP/ Diesel
88	191	QuaideMillath street	Low lying area	6.5HP/ Diesel

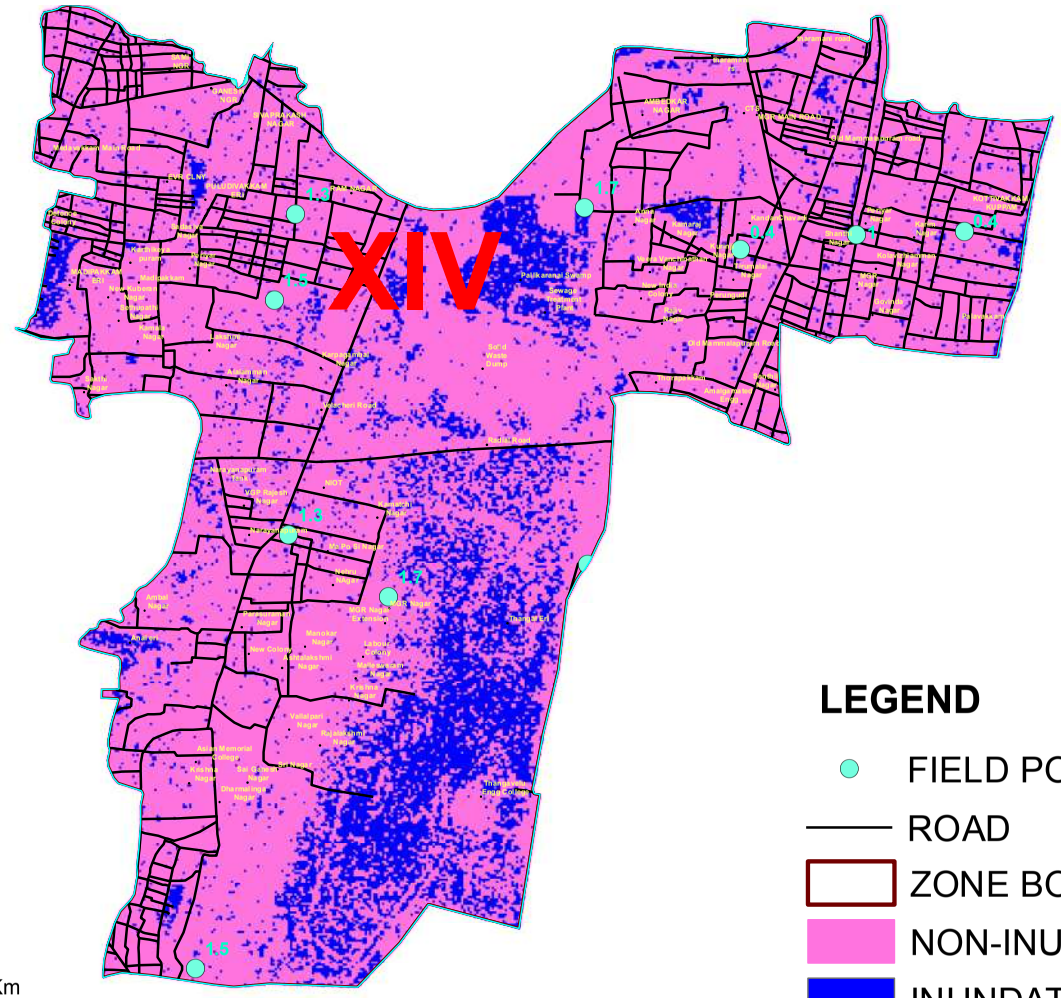
Anna University has mapped the areas inundated in this zone during 2005 flood by crowd sourc method, the picture of the same is given below.

The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pump sets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

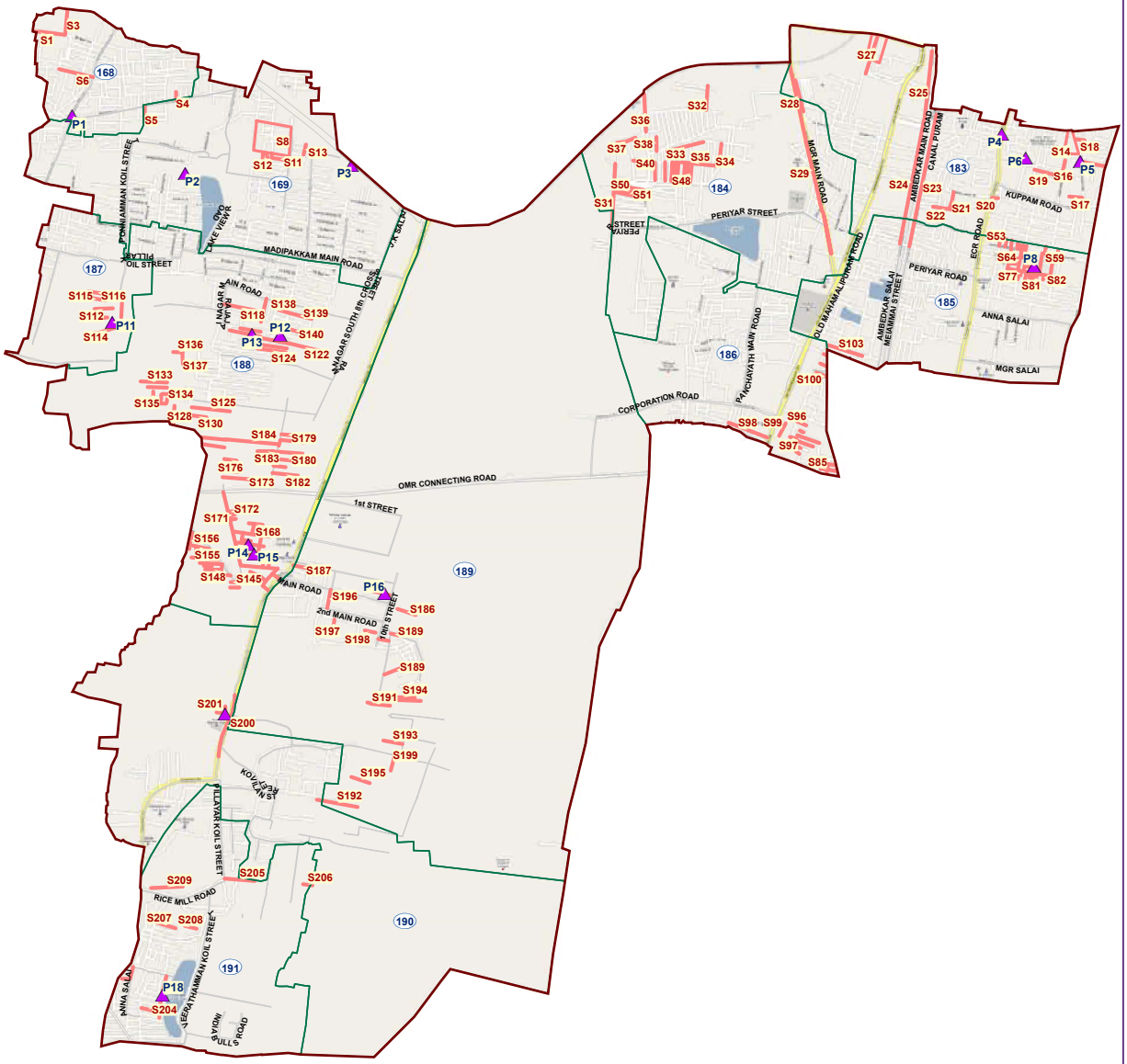
INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



INUNDATION EXTENT ON 7TH DECEMBER 2015
BASED ON RISAT MICROWAVE SATELLITE



ZONE XIV - ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon

Location of Diesel Pump Location

Saravana Nagar



Stagnation of water in streets due to sewer blocks:

There is no sewer Blocks in Perungudi Zone.

Relief Centres

There are 20 relief centres to a total capacity of 17,600 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

S. No	Ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
1	185	200	ST Thomas Primary School (Nanganallur)	Madhialagan street, Kamaraj street, Gandhi street, kannagi street, Nehru street	YES	YES	NO	Sanitation, Medicine	SI	9445025983
								Evacuation	AE	9445190781
								Food & Drinking water	ARO	
								Relief Materials	AE	9445190094

S. No	Ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
2	186	300	ST Thomas Primary School	Pillayar Koil street, Easwaran koil street, Mandaveli street, Gangai amman koil street	YES	YES	NO	Sanitation, Medicine	SI	9445025983
								Evacuation	AE	9445190781
								Food & Drinking water	ARO	
								Relief Materials	AE	9445190094
3	186	700	Thanthai Periyar Hi Sec School	Sarathi nagar, Ravanan nagar, Balaji Nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025986
								Evacuation	AE	9445190782
								Food& Drinking water	ARO	
								Relief Materials	AE	9445190094
4	181	1500	Nellai Nadar School	Kottivakkam kuppam, New colony,	YES	YES	NO	Sanitation, Medicine	SI	9445025983
								Evacuation	AE	9445190783
								Food & Drinking water	ARO	
								Relief Materials	AE	9445190094
5	181	1500	St Antony School	Swaminadhan nagar, enkatesapuram, Ilango nagar	YES	YES	NO	Sanitation, Medicine	SI	9445025986
								Evacuation	AE	9445190784
								Food & Drinking water	ARO	
								Relief Materials	AE	9445190094

S. No	Ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
6	182	300	Kuppam Primary School	Kottivakkam Kuppam	YES	YES	NO	Sanitation, Medicine	SI	8220260642
								Evacuation	AE	9445190785
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190784
7	183	1000	Govt Hr Sec School	Kallukuttai area	YES	YES	NO	Sanitation, Medicine	SI	8220260642
								Evacuation	AE	944519078
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190785
8	183	1500	ECR Adi Dravidar School	Kandasamy nagar, periyar salai & Maniyammai street	YES	YES	NO	Sanitation, Medicine	SI	9445025987
								Evacuation	AE	9445190787
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190786
9	184	500	Kandasamy Nagar Adi Dravidar Primary School	Kandasamy nagar , periyar salai, Maniyammai street	YES	YES	NO	Sanitation, Medicine	SI	9445025987
								Evacuation	AE	9445190788
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190786

S. No	Ward	Capacity	Name & Addres of relief centres available	List of streets people to be shifted	Drinking water	Toilets	Cooking facilities	Responsiblities	Officer in-charge	Contact No.
10	188	500	Panchayat Union Primary School	Selvaganapathu avenue	YES	YES	NO	Sanitation, Medicine	SI	9445025989
								Evacuation	AE	9445190789
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445025986 (i/c)
11	188	1800	Jay Jay Sankara Kalayana Mandapam	Interior of Madipakkam	YES	YES	NO	Sanitation, Medicine	SI	9445025989
								Evacuation	AE	9445190789
								Food & Drinking water	ARO	9445190094
								Relief Materials	AE	9445190788
12	188	700	Mylai Balaji nagar Block II	Mylai Balaji nagar	yes	yes	No	Sanitation, Medicine	SI	9445025989
								Evacuation	AE	9445190790
								Food & Drink-ing water	ARO	9445190094
								Relief Materi-als	AE	9445190789
13	190	400	Madipakkam Bus stand	Ambethkar Salai	yes	yes	No	Sanitation, Medicine	SI	9445025991
								Evacuation	AE	9445190791
								Food & Drink-ing water	ARO	9445190094
								Relief Materi-als	AE	9445190790

Subway

There is no subway as of now available in this zone.

Tree fall

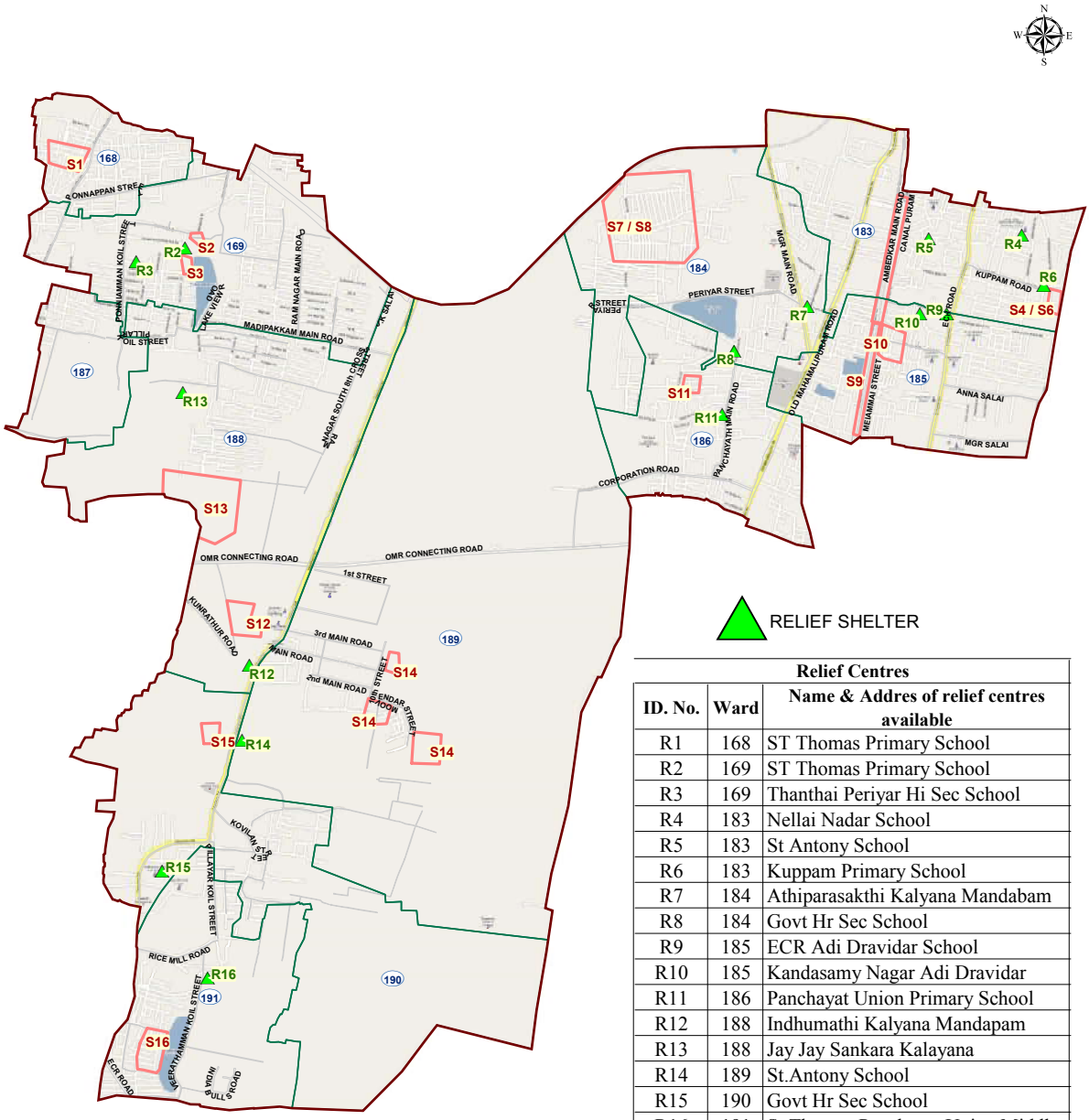
During the last monsoon, in Perungudi zone totally 24 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward. No	Name of the Streets
1.	185	Vinayaga Nagar 3rd street
2.	186	Hindu Colony 2nd main road, Puzhithvakkam Bus stand
3.	181	New Colony, AGS Colony, Bay watch road, Kaveri Nagar, Kalyani Nagar (Nellai Nadar School), Journalist Colony
4.	182	Church road, Ramappa Nagar, CBI Colony,
5.	183	VGP Layout 1st main road, Palkalai nagar, Anna Salai (Sea Shell Avenue),
6.	184	Kurinji Nagar 8th cross street,
7.	188	Govindasamy Nagar 7th street, Sadasivam nagar 4th main road, Dr. Ramamoorthy Nagar Main road, Tendulkar street,
8.	189	VGP Shanthi nagar Lakshmi 1st street, Radial Road,
9.	190	Bharathidasan 1st cross street,
10.	191	Jayachandran nagar 1st main road, Jayachandran nagar 5th main road

Streets - where water entered houses - do not require evacuation

During the last monsson, 610 inundated spots where water entered houses but don't require evacuation were identified and actions were taken to bale out the rain water.

ZONE XIV - EVACUATION & RELIEF SHELTERS



RELIEF SHELTER

Relief Centres		
ID. No.	Ward	Name & Addres of relief centres available
R1	168	ST Thomas Primary School
R2	169	ST Thomas Primary School
R3	169	Thanthai Periyar Hi Sec School
R4	183	Nellai Nadar School
R5	183	St Antony School
R6	183	Kuppam Primary School
R7	184	Athiparasakthi Kalyana Mandabam
R8	184	Govt Hr Sec School
R9	185	ECR Adi Dravidar School
R10	185	Kandasamy Nagar Adi Dravidar
R11	186	Panchayat Union Primary School
R12	188	Indhumathi Kalyana Mandapam
R13	188	Jay Jay Sankara Kalayana
R14	189	St.Antony School
R15	190	Govt Hr Sec School
R16	191	St.Thomas Panchayat Union Middle

STREET/AREA - People to be shifted

Street/Areas - People to be shifted		
ID. No.	Ward	List of streets, people to be shifted
S1	168	Madhialagan street, Kamaraj street, Gandhi street, kannagi street, Nehru street
S2	169	Pillayar Koil street, Easwaran koil street, Mandaveli street, Gangai amman koil street
S3	169	Sarathi nagar, Ravanan nagar, Balaji Nagar
S4	183	Kottivakkam kuppam, New colony,
S5	183	Swaminadhan nagar, venkatesapuram, Ilango nagar
S6	183	Kottivakkam Kuppam
S7	184	Kallukuttai area
S8	184	Kallukuttai area
S9	185	Kandasamy nagar, periyar salai & Maniyammai street
S10	185	Kandasamy nagar , periyar salai, Maniyammai street
S11	186	Selvaganapathu avenue
S12	188	Rajesh nagar
S13	188	Interior of Madipakkam
S14	189	Quide Millathe street Kamatchiamman Nagar Anna Mgr Nagar
S15	190	Sri Nagar ,Pasumpon Nagar, Sai Balaji Nagar
S16	191	Nesavalar Nagar, Pallavan Nagar, Padmavathy Nagar

During NEM 2015 the under mentioned 10 locations were inundated for more than a day by which the normal day to day activity of 10533 people were stand-stilled. Flood water from these areas were cleared by using 64 pumps rangining from 5 HP to 100 HP capacity. The identified vulnerable spots is as below,

Sl. No	Ward/ Name	Name of the area/ streets
1.	185 Ullagaram	Nanganallur 6th main road, Nanganallur 2nd main road, Mac Millan main road, Giri street NSC Bose road Mathiyazhagan street, Kamaraj Street
2.	186 Puzhuthivakkam	Balaji Nagar 29-39 Streets, Balaji Nagar 40th Street Cross, Balaji Nagar 41st Street, Balaji Nagar Extn., 1st Street, Balaji Nagar Extn., 2nd Street, AG's Colony 1- 3 streets, AG's Colony 1st Cross Street, AG's Colony 2nd Cross Street Kaveri nagar, Bay blue watch Road, Jaganathan street, Kaveri nagar 5th street, kaveri nagar 2nd street, Lakshmana perumal nagar 4th street, Lakshmana perumal nagar 5th street, Thulukanathamman koil street, Kalathumedu 4th street, Selvaraj avenue
3.	181 Kottivakkam	Vengadesapuram main road, Elango nagar (South), Elango nagar (North), Puratchi Thalaivi main road, Puratchi Thalaivi 1st cross to 13 th cross, Anna nagar, Swaminathan nagar 5th street, Swaminathan nagar 6th street, MGR Salaiannai, sandhiya nagar, J.J.Nagar, Ambedkar puratchi nagar, kamaraj salai, sempon nagar, Thiruvallar nagar, Annai sandhiya nagar Extn, Mullai street, Kambar street, anjugam ammaiyar nagar, kodikatha kumaran street, karikalan street, va.voo.si nagar, kakkan street, anna street, nagamani adiglar street, annai abirami street, k.p.k nagar west, k.p.k nagar north, sai ayush pooja avenue, Thiruvallar salai
4.	182 Perungudi	MGR Salaiannai, sandhiya nagar, J.J.Nagar,Ambedkar puratchi nagar, Maniammai street, Kandasamy nagar 1st street, Kandasamy nagar 2nd street, Kandasamy nagar 3rd street, Kandasamy nagar 4th street,Gandhi nagar, Gandhi nagar 1- 3 streets, Kolavizhiamman nagar, Maniammai street, Kolavizhiamman nagar 1 -15 streets, Krishna nagar 1 – 8 cross street, M.G.R nagar 1- 4 cross streets, Ambedkar salai, Veeramani salai main road, Veeramani salai 1 – 4 cross street, Krishna Nagar Main Road.

Sl. No	Ward/ Name	Name of the area/ streets
5.		Jeevanandham street, Jeevanandham 1st cross street, Thiru. vi.ka 1st cross street, Thiru.vi.ka 2nd cross street, Thiruvalluvar 1 - 3 main roads, Thiruvalluvar 1-10 cross street, Vembuli amman koil street, Vembuli amman 1 – 3 streets,
6.	184 Palavakkam	Maruthi nagar 1st main road, Maruthi nagar 1- 5 cross street, Senthil nagar main road 8th cross, Selvaganapthy avenue extn, Selvaganapthy avenue 3rd main road,Selvaganapthy avenue 2nd street, Selvaganapthy avenue 3rd street,
7.	187 Perungudi	New kubera nagar 5th streetNew kubera nagar 3rd street
8.	188 Madipakkam	Nageswariamman Nagar,Arumugam Nagar 1st Street, Arumugam Nagar 2nd Street, Arumugam Nagar 3rd Street, Salban Kuttai Main Road, Rajesh Nagar 1st Main Road Cross Street, Rajesh Nagar 2nd Main Road Cross Street, Rajesh Nagar 3rd Main Road Cross Street, Rajesh Nagar 5th Main Road 2nd Cross Street,VGP Rajesh Nagar 1st Main Road, Myllai Balaji Nagar 1st block 1st Street, Myllai Balaji Nagar 3rd block 2nd Street, Myllai Balaji Nagar 2rd block 5th Street
9.	188 Madipakkam	Rajesh Nagar 4th Main Road Cross Street, West Anna Nagar 1-3 Street, West Anna Nagar 6th.Street, West Anna Nagar 7th Street, West Anna Nagar 9th Cross Street,
10.	188 Ma-dipakkam	Kamatchiyamman Nagar 1st street to 5th street, Quide –Millath Nagar 1st street to 5th street, Ma.Po.Si Nagar 1- 3 streets, Ma.Po. Si Nagar cross street, Anna MGR Nagar, Gandhi St, Anna M.G.R Nagar Indira Gandhi St, Anna MGR Nagar Pari St, Anna MGR Nagar Rajiv Gandhi St, Poongavanathamman koil street, Nehru street, N.S.K street, Moovender Street,Bharathidasan street, Bharathiyar street, Sathyamoorthy street, Thangam Nagar 1st Street, Thangam Nagar Main Road, Sai baba Nagar 1st Cross Street, Sai baba Nagar 1st Street, Sai baba Nagar 2nd Main Road, Sai baba Nagar 2nd Main Road 1st Street, Sai baba Nagar 3rd Main Road, Sai baba Nagar 4th Main Road, Sai baba Nagar 5th Main Road,

Sl. No	Ward/ Name	Name of the area/ streets
11.	190 Pallikaranai	Quide – Millath Nagar 1st street to 5th street, Ma.Po.Si Nagar cross street, Trobical Avenue 1st Main Road, Trobical Avenue 2nd Main Road Krishna Nagar Main Road, Krishna Nagar 1st Cross St, Krishna Nagar 2nd Cross St, Sai Balaji Nagar 1st Main Road, Sai Balaji Nagar 1st Street, Sai Balaji Nagar 2nd Main Road, Sai Balaji Nagar 2nd Street, Sai Balaji Nagar 3rd 1st Cross Street, Sai Balaji Nagar 3rd 2nd Cross Street, Sai Balaji Nagar 3rd Main Road, Sai Balaji Nagar 3rd Street, Sivas Avenue, Jayabal Nagar, Kamokotti Nagar 1st main road, 2nd main road, 3rd main road, Kamokotti Nagar 1st street to 10th street, Meru Nagar 1st street to 5th street, A.G.S Colony 1st street to 11th street, Sai Balaji Nagar Part-II 1st street to 6th street Bharathidasan street, Carmel street, Kamarajar street, Rajiv Gandhi street, Moovendar street,
12.	191 Jalladianpet-tai	Pallavan Nagar 1-6 streets, Nethaji Street, Nagathamman koil street, Padmavathy Nagar Main road, pagavath singh street, Rajeshwari street
13.	191 Jalladi-anpettai	Pallavan street, Rajiv Ganthi street, Indira Ganthi street, Vivekanandar street, kannaki street, kambar street, manimeglai street, kovalan street, Indira Ganthi street, Rajiv Ganthi street, vaidyalingam street, valmigi street, kumakurubarar street, pachayamman koil street, moopanar street, logammal street, Mahaveerar street, mahaveerar 1st cross street, Mahaveerar 2nd cross street, Mahaveerar 3rd cross street, subash Chandra bose street, vanchinathan street, parivallal street, cholan street, Sai ganesh Nagar 2nd main Road, Sai ganesh Nagar 20 – 28 cross street, Quiathey millath street, masuti street, Green court Main Road, Jayachandran Nagar 3rd main road,

Streets that require evacuation

During the heavy flood that occurred in 2015, in Perungudi zone, 19100 people were evacuated from Ram Nagar, AGS colony, Balaji Nagar, Elango Nagar, K.P.K. Nagar, Kozhavizhi amman Nagar, M.G.R. Nagar, Thiruvalluvar Nagar, Maruthi Nagar, West Anna Nagar, Rajesh nagar Extn, Sri Nagar, Sai Balaji Nagar, Pallavan nagar, Sai Ganesh nagar and they were accomodated in Govt School Buildings, Annai Adhi Parasakthi kalyana Mandabam, Indumathy Kalayana Mandapam. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details are given below

Ward	Streets	No. of persons	Years	Relief centre
185	M.G.R street, Erikkarai Salai, Kamarajar Street, Mathiazhagan Street, Eswaran Koil street, Puzhuthivakkam bus stand, Maheswari Avenue, Ram nagar 1 to 5 streets, Kaveri street, Brindhavan street, Gangai street, Yamunai street, Sivaraman street, Sundarajan salai, Sadasiva nagar 1 & 2 streets, Sivaprakasam nagar 2nd street,	400	Dec-15	CPS School, Ul-lagaram
		1370	Dec-15	St Thomas Primary School, Puzhuthivakkam,. Thanthai Periyar school, Puzhuthivakkam
183	MGR Nagar, Anna nagar, Sathya nagar, Elango nagar, Vengadesapuram, New Colony, Kuppam	4000	Dec-15	Adi Dravidar Primary Schools, Palavakkam
184	Santhiya nagar, J.J.Nagar, Annal Ambedkar nagar, K.P.K nagar West, Anjugam Ammaiyar nagar, Kallukuttai,	10000	Dec-15	Amma Unavagam (Anna nedunchalai), Amma Unavagam (MGR Salai),. Amma Unavagam (ECR)
185	Maniyammai street, M.G.R nagar, Kolavziyamman street, Krishnan nagar, Ambedhakar street, Periyar street, Cholan nagar,	3200	Dec-15	Division Office -185 (ECR)

Ward	Streets	No. of persons	Years	Relief centre
186	Maruthi nagar, Senthil nagar, Saravana nagar, Selvaganapathy Avenue,	1500	Dec-15	.Amma Unavagam (Corporation Road), Amma Unavagam (Division off Road)
187	Karthikeyapuram 12th Street, Madipakkam Main Road, New Kubera Nagar 5th Street,	400		Karthikeyapuram Building Cooperative Society - Madipakkam
188	Thanthai Periyar Nagar, Nageshwariamman Nagar, Rajesh Nagar, Anna Nagar West, Sri Nagar, Ram Nagar South Extn, Kuberan Nagar Extn,	1200	Dec-15	CMS School (Block 2 Myllai balaji nagar), Indumathi Kalyana Mandabam Rajesh Nagar, CMS School (Madipakkam Kulakarai Street), Jay Jay Sankara (Periyar Nagar 7th street)
189	Kamatchi Nagar, Quide Millth Nagar, Anna M.G.R Nagar, Sai Balaji Nagar, Thangam Nagar,	800	Dec-15	.Babpammal Kalyana Mandapam, Church Avenue, Mother School, Sembagathammal Mandapam
190	Sai balaji nagar, Pasumpon nagar, Vallal pari nagar, Immanuvel street, Barathidasan street ,	1000	Dec-15	Panchayat Union Middle School, Jalladampet
191	Padmavathi Nagar, Pallavan Nagar, Neswallar Nagar, Ancheneyar Nagar, Sai Ganesh Nagar,	1250	Dec-15	

Lighting Facilities

There is no battery powered light available in the zone.

National Disaster Response Force (NDRF)

In Perungudi zone, the NDRF to be stationed locations is given below,

S.No	Ward. No.	Where NDRF to be stationed and deployed
1	186	Zonal Office -14 Puzhuthivakkam
2	181	AGS Colony Indoor Stadium
3	182	School Road Unit Office
4	183	Division Office ECR Main Road
5	188	Holy Prince Matri.Hr.Sec School
6	189	Sri Neelambal Mahal

NDRF

The Commandant
04, Battalion (NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269

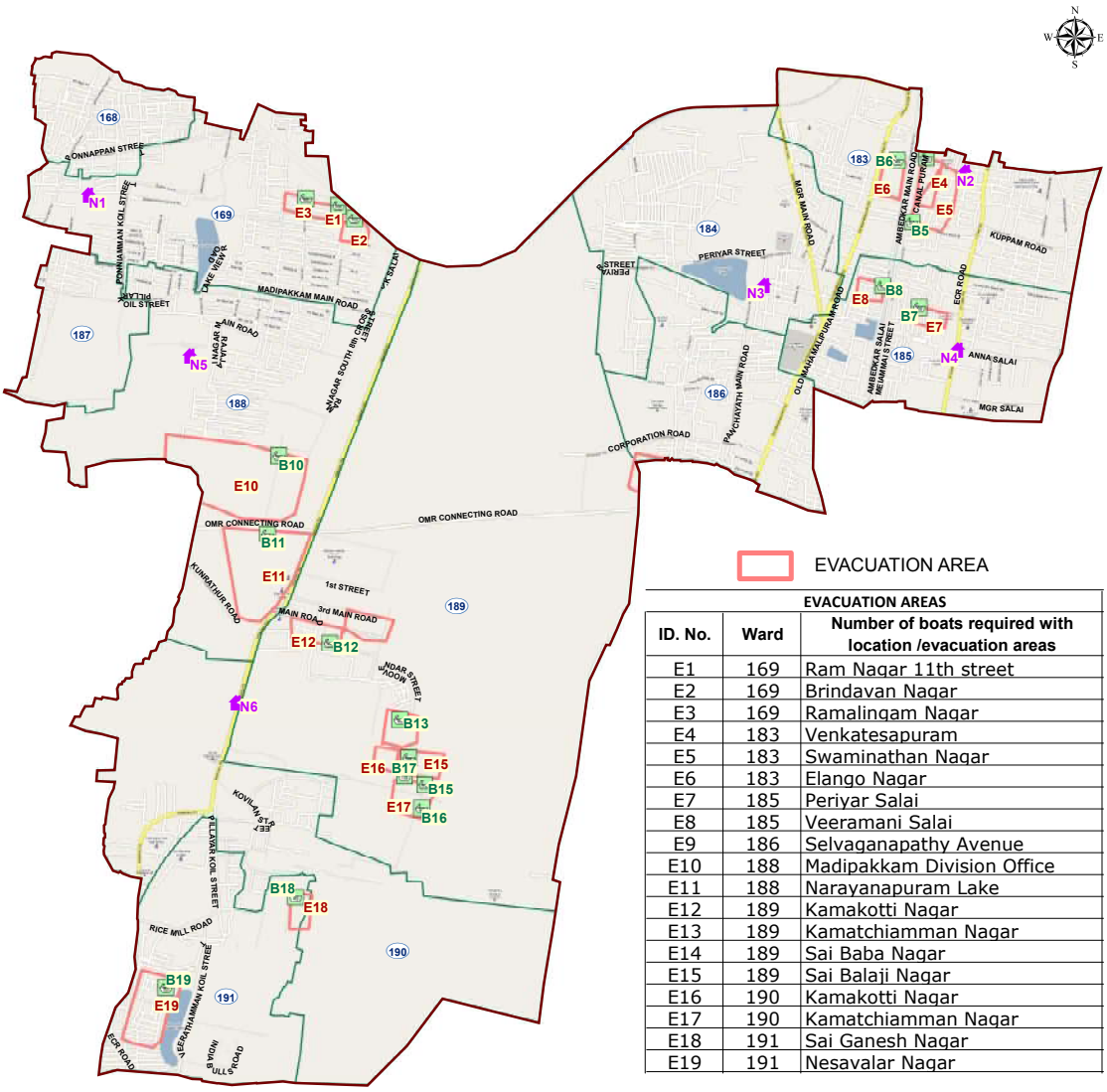

Rescue boat in Perungudi

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations are given below.

Sl. No.	ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number
1	186	RamalingamNagar	RamalingamNagar	AE-9445190786
2	181	Venkatesapuram	Venkatesapuram	JE-9445190781

ZONE XIV - EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS



EVACUATION AREA

EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	169	Ram Nagar 11th street
E2	169	Brindavan Nagar
E3	169	Ramalingam Nagar
E4	183	Venkatesapuram
E5	183	Swaminathan Nagar
E6	183	Elango Nagar
E7	185	Periyar Salai
E8	185	Veeramani Salai
E9	186	Selvaganapathy Avenue
E10	188	Madipakkam Division Office
E11	188	Narayanapuram Lake
E12	189	Kamakotti Nagar
E13	189	Kamatchiamman Nagar
E14	189	Sai Baba Nagar
E15	189	Sai Balaji Nagar
E16	190	Kamakotti Nagar
E17	190	Kamatchiamman Nagar
E18	191	Sai Ganesh Nagar
E19	191	Nesavalar Nagar

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	169	Ram Nagar 11th street
B2	169	Brindavan Nagar
B3	169	Ramalingam Nagar
B4	183	Venkatesapuram
B5	183	Swaminathan Nagar
B6	183	Elango Nagar
B7	185	Periyar Salai
B8	185	Veeramani Salai
B9	186	Selvaganapathy Avenue
B10	188	Madipakkam Division Office
B11	188	Narayanapuram Lake
B12	189	Kamakotti Nagar
B13	189	Kamatchiamman Nagar
B14	189	Sai Baaba Nagar
B15	189	Sai Balaji Nagar
B16	190	Kamakotti Nagar
B17	190	Kamatchiamman Nagar
B18	191	Sai Ganesh Nagar
B19	191	Nesavalar Nagar

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	169	Zonal Office -14 Puzhuthivakkam
N2	183	AGS Colony Indoor Stadium
N3	184	School Road Unit Office
N4	185	Division Office ECR Main Road
N5	188	Holy Prince Matri.Hr.Sec School
N6	189	Sri Neelambal Mahal

Sl. No.	ward	Number of boats required with location / evacuation areas	Boats stationed Locations	Contact person & Number
3	181	SwaminathanNagar	SwaminathanNagar	JE-9445190781
4	181	ElangoNagar	ElangoNagar	JE-9445190781
5	183	Periyar Salai	Periyar Salai	AE-9445190783
6	183	VeeramaniSalai	VeeramaniSalai	AE-9445190783
7	184	SelvaganapathyAvenue	SelvaganapathyAv-enue	AE-9445190784
8	188	Madipakkam Division Of-fice	Madipakkam Divi-sionOffice	AE-9445190788
9	188	NarayanapuramLake	NarayanapuramLake	AE-9445190788
10	189	KamakottiNagar	KamakottiNagar	AE-9445190789
11	189	KamatchiammanNagar	Kamatchiamman-Nagar	AE-9445190789
12	189	SaiBabaNagar	SaiBaabaNagar	AE-9445190789
13	189	SaiBalajiNagar	SaiBalajiNagar	AE-9445190789
14	190	KamakottiNagar	KamakottiNagar	AE-9445190790
15	190	KamatchiammanNagar	Kamatchiamman-Nagar	AE-9445190790
16	191	SaiGaneshNagar	SaiGaneshNagar	AE-9445190791
17	191	NesavalarNagar	NesavalarNagar	AE-9445190791
18	191	Sai Ganesh Nagar	Sai Ganesh Nagar	AE-9445190791
19	191	Nesavalar Nagar	Nesavalar Nagar	AE-9445190791

Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 3 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available in this zone are given below.

No. of lorries and type kept in readiness	
Debris lorry	-3
Skid steer loaders(Bobcat)	-3
(Front end loader) JCB	-3

Assistant Engineer contact No.	JCB	Bobcat	Open lorry	Water tanker Lorry
9445026115	2	4	4	1

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

S.No	Ward no/ Area	Name of the street
1.	181 Kotti vak-kam	Ram Nagar 1 to 12 Streets,bagirathi nagar vallal athiyaman street, bagirathi nagar vallal kumanan street, bagirathi nagar vallal kari street, bagirathi nagar padmavathi street, bagirathi nagar padmavathi nagar balaji street, bagirathi nagar padmavathi nagar thirumoolar street, srinivasa nagar thirugnanasambandar st, srinivasa nagar kavimani street, Gangai Street, Yamunai Street, Vaiga Street,Kaveri Street, Sri Ramar Koil Street, Chookkanathan Street, Sivasubramaniam Street (Pillayar kovil street), Siva Raman Street, Vidya Surabi School Street, Ramkumar Street, James Street, James Cross Street, Vasukiyar Street, Ram Nagar Srinivasan Salai,Ramalingam 1st Street, Kalaivanar Street, Bageerathi Nagar Sundar Rajan Salai, Bageerathi Nagar Sundar Rajan Salai Cross, Srinivasa Nagar Viveganathar Street,Srinivasa Nagar Arivoli Street, Srinivasa Nagar Brindavan Street, Brindavan Street 1 to 6 cross streets, Mullai Street, Ramalingam Nagar Main Road Lane, Srinivasa Nagar 1st Cross St,Srinivasa Nagar 2nd Cross St Elango Ntagar, Venkatesapuram, Venkatesapuram, Swaminathan Nagar, Kuppam, MGR Salai, Annai sandhiya nagar, J.J.Nagar, Ambedkar puratchi nagar, kamaraj salai, sempon nagar, Thiruvallar nagar, Annai sandhiya nagar Extn, Mullai street, Kambar street, anjugam ammaiyar nagar, kodikatha kumaran street, karikalan street,va.voo.si nagar, kakkan street, anna street, nagamani adiglar street,annai abirami street, k.p.k nagar west, k.p.k nagar north, sai ayush pooja avenue, Thiruvallar salai,
2.	183 Pala vakkam	Venkatesapuram, Swaminathan Nagar, Kuppam, MGR Salai, annai sandhiya nagar, J.J.Nagar,

S.No	Ward no/ Area	Name of the street
3.	186 Puzhuthi vakkam	Maniammai street, Kandasamy nagar 1st street, Kandasamy nagar 2nd street, Kandasamy nagar 3rd street, Kandasamy nagar 4th street, Gandhi nagar, Gandhi nagar 1st street, Gandhi nagar 2nd street, Maniammai street, Kolavizhiamman nagar, Kolavizhiamman nagar 1 to 15 streets, Krishna nagar main road, Krishna nagar 1 to 8 cross street, Krishna nagar 2nd cross street, Krishna nagar 3rd cross street, Krishna nagar 4th cross street, Krishna nagar 5th cross street, Krishna nagar 6th cross street, Krishna nagar 7th cross street, Krishna nagar 8th cross street, M.G.R nagar 1st cross street, M.G.R nagar 2nd cross street, M.G.R nagar 3rd cross street,Gandhi nagar 4th cross street, Ambedkar salai Veeramani salai main road,Veeramani salai 1 to 4 cross streets, Jeevanandham street, Jeevanandham 1st cross street, Thiru.vi.ka 1st cross street, Thiru.vi.ka 2nd cross street, Thiruvalluvar 1 to 3 main roads, Thiruvalluvar 1 to 10 cross streets, Govindan nagar main road, Govindan nagar 1 to 7 cross streets, Maruthi nagar 1st main road, Maruthi nagar 1st cross street, Maruthi nagar 2nd cross street, Maruthi nagar 3rd cross street, Maruthi nagar 4th cross street, Maruthi nagar 5th cross street, Senthil nagar main road, Senthil nagar main road 1 to 8 cross streets, Manikodi srinivasan nagar 3rrd cross, Srinath nagar, Perungudi industrial Estate, Perungudi industrial Estate 2nd street, Perungudi industrial Estate 3rd street, Perungudi industrial Estate 4th street, Selvaganapthy avenue extn, Selvaganapthy avenue 3rd main road, Selvaganapthy avenue 2nd street, Selvaganapthy avenue 3rd streetsaravana nagar kudisai paguthiSaravana nagar 2nd street, Rajiv nagar 4th cross

S.No	Ward no/ Area	Name of the street
4.	188 Palli karanai	West Anna Nagar 1 to 5 Streets,West Anna Nagar 6th Cross Street, West Anna Nagar 6 to 9 Streets, West Anna Nagar 9th Cross Street, West Anna Nagar 10th Street, West Anna Nagar 12th Steet, Rajesh Nagar Park Road,Rajesh Nagar Extn. 2nd Main Road, Rajesh Nagar Extn. 4th Main RoadRajesh Nagar Extn. 5th Main Road, Rajesh Nagar 1 to 4 Main Road Cross Street, Rajesh Nagar 5th Main Road 2nd Cross Street, Rajesh Nagar 4th Cross street, Rajesh Nagar 6th Cross streetVGP Rajesh Nagar 1st Main Road,Narayanapuram Erikarai Salai, Nageswariamman Nagar, Sri Nagar 1 to 6 Streets, LIC Nagar 5th Street, LIC Nagar 6th Street
5.	191 Jalladian pettai	Pallavan Nagar 1 to 6 streets, Nethaji Street, Nagathamman koil street, Padmavathy Nagar Main road, pagavath singh street, Rajeshwari street, Pallavan street, Rajiv Ganthi street, Indira Ganthi street, Vivekanandar street
		kannaki street, kambar street, manimeglai street, kovalan street, Indira Ganthi street, Rajiv Ganthi street, vaidyalingam street, valmigi street, kumakurubarar street, pachayamman koil street, moopanar street, logammal street, Mahaveerar street, mahaveerar 1st cross street, Mahaveerar 2nd cross street, Mahaveerar 3rd cross street,subash Chandra bose street, vanchinathan street, parivallal street, cholan street, Sai ganesh Nagar 2nd main Road, Sai ganesh Nagar 20 to28 cross street, Quiathey millath street, masuti street, Green court Main Road, Jayachandran Nagar 3rd main road.

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows.

Ward committee - 181
Ward Councillor - **9445467181**

Name of the department	Designation	Contact Number
Thiru.T.Viswanathan	Ward Councillor	9381006322
GCC - Engineering	Assistant Engineer	9445190781
GCC - Electrical	Assistant Engineer	9445477691
GCC- Health	Sanitary Inspector	9445025983
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190831
GCC - Revenue	Tax Collector	9710602288
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930181
TANGEDCO	Junior Engineer	9445850149
BSNL	Assistant Engineer	9445086052
Fire service	Inspector	9498130455
Police station	Inspector	9003430542
PWD	Assistant Engineer	9443335945
TNUHDB	Assistant Engineer	9940012048

Ward committee – 182
Ward Councillor -**9445467182**

Name of the department	Designation	Contact Number
Thiru.K.P.K Sathish Kumar	Ward Councillor	9884860203
GCC - Engineering	Assistant Engineer	9445190782
GCC - Electrical	Assistant Engineer	9445191474
GCC- Health	Sanitary Inspector	9445025986
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190832
GCC - Revenue	Tax Collector	9842396665
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930182
TANGEDCO	Junior Engineer	9445850169
BSNL	Assistant Engineer	04422435043
Fire service	Inspector	9498129864
Police station	Inspector	9003430542
PWD	Assistant Engineer	9445171686
TNUHDB	Assistant Engineer	9940012048
Highways	Divisional Engineer	9841702398

Ward committee – 183

Ward Councillor -9445467183

Name of the department	Designation	Contact Number
Tmt.Dr.Tamilarasi somu	Ward Councillor	9176011620
GCC - Engineering	Junior Engineer	9445190783(i/c)
GCC - Electrical	Assistant Engineer	9445477691
GCC- Health	Sanitary Inspector	9445025983
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190833
GCC - Revenue	Tax Collector	9940593409
Revenue	Revenue Inspector	-9940250417
GCC - Park overseer	Park Supervisor	9445071062
CMWSSB	Assistant Engineer	8144930183
TANGEDCO	Junior Engineer	9445850149
BSNL	Assistant Engineer	9444505427
Fire service	Inspector	044 22435043
Police station	Inspector	044 2449 1196
PWD	Assistant Engineer	7200027050
TNUHDB	Assistant Engineer	9443365995

Ward committee – 184

Ward Councillor -9445467184

Name of the department	Designation	Contact Number
Thiru.Ravichandran S.V	Ward Councillor	9444061590
GCC - Engineering	Assistant Engineer	9445190784
GCC - Electrical	Assistant Engineer	9445191474
GCC- Health	Sanitary Inspector	9445025986
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190834
GCC - Revenue	Tax Collector	9444574063
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930184
TANGEDCO	Junior Engineer	9445850167
BSNL	Assistant Engineer	9445086526
Fire service	Inspector	9498129864
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

Ward committee – 185

Ward Councillor -9445467185

Name of the department	Designation	Contact Number
Tmt.Sharmila Devi .D	Ward Councillor	9841094666
GCC - Engineering	Junior Engineer	9445190785
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025990
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190835
GCC - Revenue	Tax Collector	9962329080
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930185
TANGEDCO	Junior Engineer	9445850188
BSNL	Assistant Engineer	9841189018
Fire service	Inspector	9080166165
Police station	Inspector	9443227382
PWD	Assistant Engineer	9445171686

Ward committee – 186

Ward Councillor -9445467186

Name of the department	Designation	Contact Number
Thiru.Manikandan J.K	Ward Councillor	9841066761
GCC - Engineering	Assistant Exe Engineer (i/c)	9445190786
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025990
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190836
GCC - Revenue	Tax Collector	9962329080
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930186
TANGEDCO	Junior Engineer	9445850188
BSNL	Assistant Engineer	9841189018
Fire service	Inspector	9080166165
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

Ward committee – 187

Ward Councillor -9445467187

Name of the department	Designation	Contact Number
Tmt.Sherly Thomas	Ward Councillor	9841505005
GCC - Engineering	Assistant Engineer	9445190787
GCC - Electrical	Assistant Engineer	9445477692
GCC- Health	Sanitary Inspector	9445025987
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190838
GCC - Revenue	Tax Collector	9080633821
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930187
TANGEDCO	Junior Engineer	9445850199
BSNL	Assistant Engineer	9841189018
Fire service	Inspector	9003256256
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050
TNUHDB	Assistant Engineer	9940012048

Ward committee – 188

Ward Councillor -9445467188

Name of the department	Designation	Contact Number
Tmt.Sameena Selvam	Ward Councillor	9884834463
GCC - Engineering	Assistant Engineer	9445190788
GCC - Electrical	Assistant Engineer	9445190152
GCC- Health	Sanitary Inspector	9445025987
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190838
GCC - Revenue	Tax Collector	9445286577
Revenue	Revenue Inspector	9940250417
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930188
TANGEDCO	Junior Engineer	9445850199
BSNL	Assistant Engineer	9841189018
Fire service	Inspector	9003256256
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

Ward committee – 189

Ward Councillor -9445467189

Name of the department	Designation	Contact Number
Thiru.Babu	Ward Councillor	9381062528
GCC - Engineering	Assistant Engineer	9445190789
GCC - Electrical	Assistant Engineer	9445036572
GCC- Health	Sanitary Inspector	9445025989
GCC - Veterinary	VAS	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190839
GCC - Revenue	Tax Collector	9940160944
Revenue	Revenue Inspector	9841095593
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8144930189
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9500270949
Fire service	Inspector	9943546548
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

Ward committee – 190

Ward Councillor -9445467190

Name of the department	Designation	Contact Number
Thiru.Sivaprakasam	Ward Councillor	8838068007
GCC - Engineering	Assistant Exe.Engineer (i/c)	9445190790
GCC - Electrical	Assistant Engineer	9445036572
GCC- Health	Sanitary Inspector	9445025989
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190840
GCC - Revenue	Tax Collector	8778262314
Revenue	Revenue Inspector	9787180882
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8939855191
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9500270949
Fire service	Inspector	9943546548
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

Ward committee – 191

Ward Councillor -9445467191

Name of the department	Designation	Contact Number
Thiru.Sivaprakasam	Ward Councillor	8838068007
GCC - Engineering	Assistant Engineer	9445190791
GCC - Electrical	Assistant Engineer	9445190152
GCC- Health	Sanitary Inspector	9445025991
GCC - Veterinary	VAS	9445026046/6043
GCC - Solid waste management	Conservancy Inspector	9445190694
GCC - Revenue	Tax Collector	9940375445
Revenue	Revenue Inspector	9787180882
GCC - Park overseer	Park Supervisor	9445194754
CMWSSB	Assistant Engineer	8939855191
TANGEDCO	Junior Engineer	9445850241
BSNL	Assistant Engineer	9500270949
Fire service	Inspector	9943546548
Police station	Inspector	9443227382
PWD	Assistant Engineer	7200027050

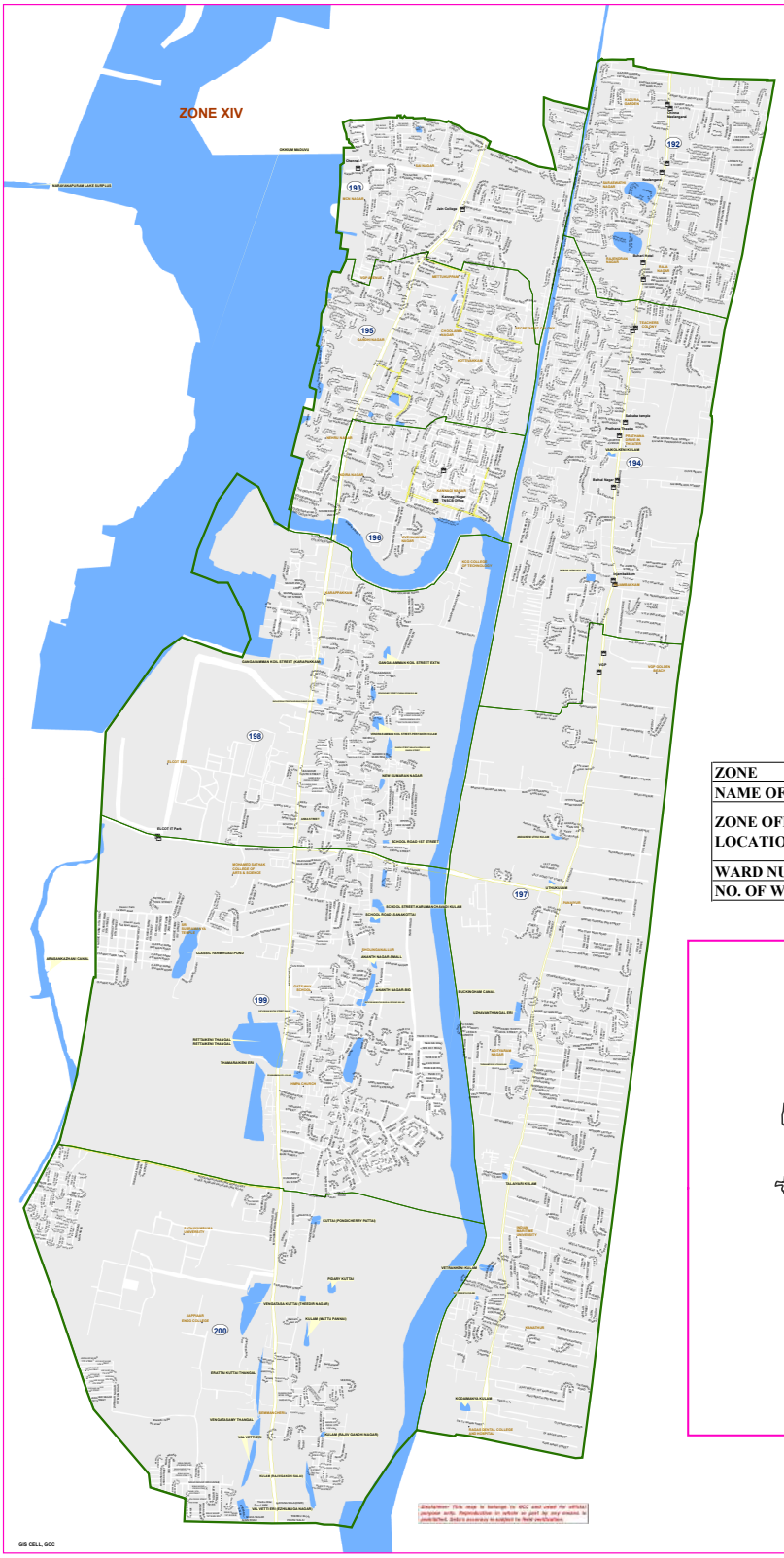
ZONE - XV

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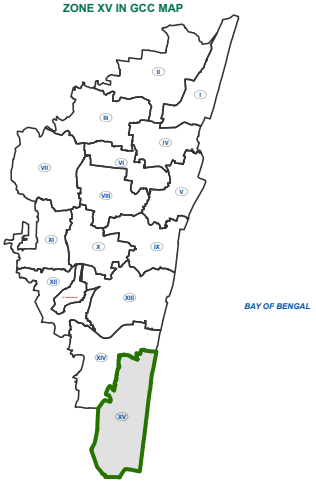
ZONE XV - WARD BOUNDARY

GREATER CHENNAI CORPORATION
ZONE - XV
TN GOVT. GAZATTE NO.408 DATED:14.12.2018



ZONE	XV
NAME OF THE ZONE	Sozhanganallur
ZONE OFFICE LOCATION	No.120, Rajiv Gandhi Salai, (Old Mahabalipuram Road) Sholinganallur,Chennai – 119.
WARD NUMBER	192 TO 200
NO. OF WARDS	9

ZONE XV IN GCC MAP



Profile

The Sozhanganallur zone lies in Latitude 12.89612°, Longitude 80.22723° covering an area of **42.23 Sq.km**.

There are 2075 roads, out of which 2122 roads to a length of 395.00 Km are Interior Roads, 12 Roads to a length of 3.93 Km are Bus Route Roads which are maintained by GCC and the 2 roads are under the maintenance of Highways department and 3 roads are under the maintenance of TNRDC.

The total population is about 1.72 lakhs that has Male population of 50.82% and Female population of 49.18 % In this zone, the most densed area in the zone is 195 with a population of 115928 and the least is 199 with a population of 5832. The Ward wise population is given below,

Sl.No.	Ward No.	Total House Holds	Total Population
1	192	8862	35448
2	193	8255	33020
3	194	6422	25688
4	195	28982	115928
5	196	8650	34600
6	197	11554	46216
7	198	6403	25612
8	199	1458	5832
9	200	8724	34896
	Total	**89310**	**357240**

Zone Administration

The Zone is headed by the Zonal Officer who is assisted by 2 Executive Engineers, Assistant Revenue Officers and Zonal Health Officers. They are equipped with supporting sub-ordinate staff. The following are contact details of the officials/elected members. The responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staff may be taken on board to address the issues pertaining to them.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Chairman	192 to 200	9445467192
2.	Zonal Officer	192 to 200	9445190015

Engineering Wing

The Engineering Wing handles subjects like maintenance of roads, SWD, street lights, bridges, subways, flyovers, water bodies etc. The designation and jurisdiction with contact details are given below.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1	Executive Engineer-1	Zone 15-U 44	9445190035
	Executive Engineer-2	U-45	9445191480
2	Assistant Executive Engineer	Unit 44	9445190144
3	Assistant Executive Engineer	Unit 45	9445190145
4	Assistant Divisional Engineer, Electrical	Zone 15	9445190055
5	Assistant Executive Engineer, Mechanical	Zone 15	9445190484/ 9445190490

Solid Waste Management

There is a dedicated team in each zone that looks after the clearing garbage, maintenance of conservancy vehicles, dump yard and garbage transit stations.

Sl. No.	Designation	Unit/ Ward.No.	Office Mobile Number
1.	Conservany supervisor	Zone 15	9445191444

Public Health & Disease Control

The Public Health department is headed by Zonal Health Officer at zonal level who handles running of UPHC, spraying for vector control and dog menace reporting to Deputy Commissioner (Health) through respective Regional Deputy Commissioners.

The Zonal Health Officer is to supervise the Medical officers, Entomologist, Sanitary officers, Veterinary officers and co-ordinate with them for general maintenance of health in the zone.

The contact details of the officials/staff to report on complaints on any such issues are given below.

Sl. No.	Designation	Zone/ Unit/ Ward.No.	Office Mobile Number
1	Zonal Health Officer	ZoneXV	9445190075
2	Veterinary Surgeon	ZoneXV	7904074895
3	Junior Entomologist	ZoneXV	9094947440
4	Sanitary Officer	Unit 44	9994845747
5	Sanitary Officer	Unit 45	8939771046

Parks

There are 34 Parks available in Neelangarai, Okkiyam Thoraipakkam, Injambakkam, Sozhanganallur & Chemmenchery. These parks may serve as buffer zone to assemble and to alight the victims to the relief centers during disaster. Park Overseer is equipped with power saws and will ensure pruning of tree branches, proper lighting and to prevent inundation inside the parks. The contact details of the Park overseer and the location of parks available in the zone is given below,

Sl. No.	Team member contact No	Equipment available	Area of operation
1	9445194730 Park Overseer	Power saw – 15 Manual saw- 15 Tree Pruner - 15	Shozhanganallur

S.No	Ward	Name / Location of the Park
1	192	Raja Nagar Park, Workers Estate Park
2	193	Sri Sai Nagar Park, R.E Nagar Park , Customs Colony Park, Anand Nagar Park, Sakthi Nagar Park, Balamurugan Garden Park, Vinayaga Nagar Park, Radiance Appartment Road Side Park
3	194	Anna Enclave Park, M.K.Radha Avenue Park, VGP Park
4	195	Chandrasekar Avenue Park, Secretariat Colony Park, PTC Quarters Park, Sakthi Srinivasan Salai Park, CASA GRANDA Park I, CTS Park, CASA GRANDA Park II, Gunidy Engineering College Park, CREEK Street Park, Foundry Salai Park, CEEBROSS Park I, CEEBROSS Park II
5	196	Kannagi Nagar 9th Main Road Park, Kannagi Nagar 10th Cross Street Park, Kannagi Nagar 2nd Cross Street Park, Kannagi Nagar 7th Cross Street Park, Thiruvalluvar Street Park, Sakthi Garden (Jain House Park) Annai Indra Nagar Park, Kannagi Nagar & Ezhil Nagar Approach Road Park
6	197	VGP Layout Park, Prestige Park, Iskon Temple Park, Sea Cliff Park, NRI Layout Park, Mantri Park

S.No	Ward	Name / Location of the Park
7	198	Sadagoppan Park, New Kumaran Nagar Park, Devaraj Nagar Park, Dollar Park, Techi Park, Nehru Park, Anna Park, ASV Park, CASA GRANDA Park I, River View Residency 6th Street Park, DHOSHI Appartment Park, TVH PLOOMS Park I, TVH PLOOMS Park II, CASA GRANDA Park II
8	199	Kumarasamy Nagar Main Road West Park, Elcot Avenue 1st street Park, Kumarasamy Nagar Main Road North Park, Kumarasamy Nagar 6th Street Park, Nedunchezhian Street Park, TNHB E12 Road Park, TNHB E17 Road Park, TNHB B6 Road Park, TNHB C6 Road Park, Pondicherry Pattai Salai Park, TNHB 1500 Flats Park, Model School Road Park, (Bashyam) Park, (Adroit) Park, (Citadines) Park, (Appasamy) Park, KK Salai Link Road Park, TNHB E36 Road Park, TNHB C7 Road Park, TNHB 'A' Road Park, Model school Road Extn Park, Balaji Nagar Park, Radiance Park, Elcot Avenue Main Road Park
9	200	TNUHDB 1st Main Road Park, TNUHDB 33rd Cross Street Park, TNUHDB 2nd Main Road Park, Times of India Park, Elegants Pinnacle Apartment Park, Microchip Park, SAS Hotel Appasamy Building Park, Jananis Shree Nilayam 13th Street (Phase-I Park) , Jansen's Srikrithi Park, Phase-I Extension Park, Janani's Shri Nilayam 10th Main Road (Phase-II Park) , Bharathi Nagar Main Road Park, Anna Salai 1st Cross Street Park

Sewage Pumping Stations

There are no pumping stations available in Sozhanganallur Zone

Tamilnadu Urban Habitat Development Board

There are 3 TNUHDB tenements in Kannagi Nagar, Ezhil nagar & Tsunami nagar with a population of 1,24,000. Greater Chennai Corporation takes care of garbage clearance and CMWSSB provides water supply and address sewage issues inside these tenements. The respective officers as given below may be contacted to avail or to address the issues if so. The details of tenements and the contact details of the officials are given below,

Sl.No.	Tenement location	No. of tenement	Population
1	Kannagi Nagar	15656	80000
2	Ezhil Nagar	6700	30000
3	Tsunami Nagar	6764	14000

Contact details

Department	Designation	Area	Contact No.
TNUHDB	Executive Engineer	Zone 15	9444167521
Conservancy/GCC	Conservancy Supervisor	Zone 15	9445191444
Water Supply& Sewage / CMWSSB	Area Engineer	Area 15	8144930915

Water Bodies and Waterways

There are 2 Canals passing in this zone **(1) South Buckingham canal,** maintained by PWD which originates from Neelangarai travel about 12 Km within the zone and disposes via Uthandi and then melds at Muttukadu lake, **(2) Okkiyam Maduvu canal,** maintained by PWD which originates from Thoraipakkam travel about 1.2 Km in the zone and disposes through the rear side of kannagi joins Buckingham canal.

Greater Chennai Corporation is doing a massive work to remove hyacinth and desilting work is done by PWD in the canal maintained by them. Cleaning and desilting of storm water drain & lakes are periodically done by GCC as a pre monsoon preparedness measure. Storm Water Drains were constructed by GCC for a distance of 36.23 km to ease the flow of rain water.

The details of various water bodies in this zone are listed below,

Canals

Sl. No.	Name of the Canal	Divisions Covered	From	To	Length of Canal (Km)
1	South B canal	192to200	Neelangarai	Uthandi	11Km
2	Okkiyam Maduvu	195	Thuraipak- kam	Thuraipak-kam	2 Km
3	Arasankeni Canal	200,199	Madhurapakkam Odai	Okkiyyam Maduvu	7 Km
4	Secretariat Colony Canal	195	Kumaran Kudil 5th Cross Street	Secretariat Colony 5th Main Road	0.55 Km
5	Jawahar Nagar Canal	200	Jawahar Nagar 1st street	Jawahar Nagar 11th street	1.58 Km

Other water bodies

S. No	Ward	Wardname	Location	Length/ Areain M^2
1	192	Vanna Kulam at ECR	Neelanakarai	3440
2	192	Thamarai Keni Kulam at Sen-geniamman Koil Street	Neelanakarai	2988
3	192	Maegni Kulam at Ranga Reddy Garden	Neelanakarai	2423
4	192	Ellai Kuttai at Kazura Garden	Neelanakarai	1464
5	192	Ellaiamman Koil Street Kuttai	Neelanakarai	1612
6	193	Kannan Kulam (Pillaiyar Koil Street North Pond)	Thoraipakkam	2640
7	193	Pazhichan Kuttai Kulam (Kulakkarai Street)	Thoraipakkam	2021
8	194	Gangaiamman Koil Street (M To N194)	Injambakkam	4050
9	194	Shalimar Garden 2nd Street (M To N194)	Injambakkam	3750
10	194	Hanuman Colony (M To N194)	Injambakkam	3150
11	194	Vannakeni Thatchankeni Kulam	Injambakkam	10603
12	194	Periyakeni Kulam	Injambakkam	5099
13	194	Thangal Keni	Injambakkam	4937
14	195	P.T.C Quarters Pond at Quar-ters 2nd Main Road	Okkiyam Thoraipakkam	2960
15	195	Eswaran Koil Street	Okkiyam Thoraipakkam	8000
16	195	Nehru NagarNehru Nagar(Periya Chathra Kulam)	Okkiyam Thoraipakkam	4189
17	195	Kumaran Kudil Extn 3rd Cross Street	Okkiyam Thoraipakkam	1750
18	195	Aahagandaswari Nagar Pond	Okkiyam Thoraipakkam	3600
19	196	Kannagi Nagar 17th Main Road Pond	Kannagi Nagar	17493
20	196	Kannagi Nagar 17th Main Road Pond	Kannagi Nagar	5921
21	197	Pidariamman Kulam	Pidari Amman Koil Street	9000
22	197	Thanthoniamman Koil Kulam	Thanthoni Amman Koil Street	16050
23	197	MGR Kulam(Vettiyar Palayam Kulam)	MGR Salai (PVR Backside)	22800
24	197	El Shanth Kulam	Sarsivi Raman Road	1750
25	197	Gangaiamman Kulam	Gangaiamman Koil Main Street (Colony)	3150
26	197	Periyakeni Kulam	Sengeniamman Koil Street	3750
27	197	Thalaiyarimaniyam Kulam	East Coast Road (Opposite To Casagrand Villas)	3100
28	197	Thamarai Kulam	East Coast Road (Imu Gate Adjoint)	5850

29	197	Kudaimaniyam Kulam	Opposite To Rajaji Salai	2050
30	197	Narayanan Kuttai	Adithya Ram Nagar	7500
31	197	Narayanan Kuttai	Adithya Ram Nagar	1550
32	197	Thennampoigai Kulam	Quidemillath Street	12400
33	197	Uzhaverkenithangal Pond	Rajiv Gandhi Nagar 4th Street	71400
34	197	Vellakuttai	Adithya Ram Nagar Palace Back Side	5500
35	197	East Coast Road	Opposite To Madeena Hardwares	16250
36	197	Allikulam	Allikulam Main Road	3050
37	197	Akkarai Village Main Street	Near Mandri Villas	4830
38	197	Pillayar Koil Kulam	Akkarai Village Main Street	4550
39	197	Bhakthivedanda Salai	Bhakthivedanda Salai	3000
40	197	Kanakku Maniyam Kulam	Gangaiamman Colony(Metro Water Tank Back Side)	12000
41	197	Kannakkan Maniyam Kulam	Vimala Garden	1150
42	197	Kannakkan Maniyam Kulam	Vimala Garden	3350
43	198	Kadappai Keni Pond at Karapakkam	Gandhi Main Road	6213
44	198	Chinnakeni Kulam-Rangasamy Street	Rangasamy Street	2973
45	198	New Kumaran Nagar 2nd Main Road Pond	New Kumaran Nagar 2nd Main Road	5666
46	198	Karumanchavadi Kulam - Sadagopan Street (Karapakkam)	Mahathma Gandhi Street	2115
47	198	Periya Keni Kulam Vendrasiamman Koil Street Extn (Karapakkam)	Vendrasiamman Koil Street Extn	12654
48	198	Gangai Amman Koil Kulam - Gangaiamman Koil Street (Karapakkam)	Gangaiamman Koil Street	2500
49	198	Uzhavar Keni Kulam - Gangaiamman Koil Street Extn., (Karapakkam)	Gangaiamman Koil Street Extention	5000
50	198	School 1st Street kulam (Near Water filling point)	School 1st Street	2000
51	198	Wipro Pond	Wipro Street	4500
52	199	Saffarkani Kulam	Sholinganallur	10000
53	199	Odaikeni Kulam - KTK Town Main Road (Near Prithiyangira Temple)	Sholinganallur	9300
54	199	Vankeni Kulam	Sholinganallur	9100
55	199	Sembeni Kulam	Sholinganallur	5100
56	199	Perumalkeni Kulam (Anantha Nagar Kulam)	Sholinganallur	12150
57	199	Aavudaiyan Kuttai Balaji Nagar Kulam (Near Elansharma School)	Sholinganallur	4600

58	199	Gangaiamman Koil Street Sholinganallur	Sholinganallur	2326
59	199	Ponniamman Koil Street	Sholinganallur	5100
60	199	Paraserikeni Kulam (Pud-huchery Keni)	Sholinganallur	42400
61	199	Kilinjalkeni Kulam Sathyavani-muthu Street Pond - Burial Ground	Sholinganallur	3250
62	199	Vannan Kulam - Sathyavani-muthu Street	Sholinganallur	-
63	199	Sri Raman Thangal Lake	Sholinganallur	168750
64	199	Rettaikeni Thangal	Sholinganallur	84000
65	200	Chinna Kulam (Thiruvalluvar Salai Pond)	Thiruvalluvar Salai	2300
66	200	Kuttai (Thoppu Mayanam Kulam Pondicherry Pattai)	Pondicherry Pattai Salai	4700
67	200	Venkatesan Kuttai (Saraya Kulam)	Pondicherry Pattai Salai	5500
68	200	Pidari Thangal (Purah Kulam)	Pondicherry Pattai Salai	11050
69	200	Pidari Thangal (Near Purah Kulam)	Pondicherry Pattai Salai	2700
70	200	Kulam (Veeravanjinadhan Pond)	Veeravanjinadhan Street	2850
71	200	Rajiv Gandhi Nagar Pond	Rajiv Gandhi Nagar	-
72	200	Periya Thamarai Kulam (Karu-manchavadi Pond) (Thaali Kulam)	Cholan Street	8450
73	200	Thangal (Majestic Layout)	Majestic Layout	15950
74	200	Kulam (Near Majestic Layout OSR)	Majestic Layout 5th Cross Street	2100
75	200	Kulam (Therku Ellai Pattai Salai)	Therku Ellai Pattai Salai	4400
76	200	Pudhu Thaangal	Rajiv Gandhi Salai	49500
77	200	Venkatasamy Naidu Thangal (Near Pudhu Thangal)	Panchayat Office Main Road	13200
78	200	Rettai Kuttai Thangal	Gandhi Nagar Maha Nagar Main Road	95250
79	200	Valvetti Thangal	Gandhi Nagar Maha Nagar Main Road	286500
80	200	Kal Kulam	Rajiv Gandhi Salai	7350
81	200	Subash Chandrabose Street Pond	Subash Chandrabose Street	824

Storm water drain

The SWD network of any urban centre is a vital network that plays a critical part during the monsoon by facilitating draining of run off rain water from roads etc. The speed at which the rain water is drained obviating inundation depends on the extent of the

network as well as in its merit.

This is one of the newly added zones, there is no integrated storm water drain network available in this zone.

35 storm water drains to a length of 36.23 Km were constructed to ease the flow of rain water in Sozhanganallur zone. The details of SWD are given below.

Sl. No.	Ward	Total No. of SWDs	Length of SWDs KM
1	192	48	8.99
2	193	32	3.98
3	194	45	7.75
4	195	48	9.62
5	196	30	8.32
6	197	6	1.52
7	198	31	6.55
8	199	42	9.26
9	200	145	15.29
		427	**71.31**

Streets - water stagnated in the monsoon 2015- heavy rain

During the last monsoon, 12 inundated spots in this zone were identified and actions were taken to bale out the rain water. Most of the locations were flooded during the North-East Monsoon 2015 due to heavy rain and overflow of upstream water in the canals and water bodies in this Zone.

The identifies water stagnations and the actions taken to dispose the rain water in each location are as below,

S.No	Ward	Streets where inundation seen	Capacity of pumps	Location of pumps	Disposal point
1	192	ECR Near Bhukari	5 HP	Near Bhukari	open land
2	192	Ellaiamman koil street	5 HP	Jn. of Rubi complex	Near SWD
3	192	Rubi complex	-	-	Ellaiamman koil
4	193	Pandian Nagar	5 HP	1st street	Canal
5	195	OMR Near VPG Avenue	5 HP (2 No)	OMR	Near SWD
6	194	Kudupi complex	5 HP	Kudupi complex	Side drain
7	194	S.N.Gopinath nagar	-	Kutcha drain	Katcha drain to be formed
8	198	Lalbhagadur Sasthiri Street	5 HP	Jn. of OMR	OMR SWD
9	198	Wipro Salai	40HP (2 No)	Inside Wipro	Canal
10	199	OMR Near Gangaiamman koil	5 HP (2 No)	Gangaiamman koil	OMR drain
11	198	Devaraji Avenue	5 HP	MTL company	nearby drain
12	197	ECR Near Panaiyur	5 HP	ECR	Canal

Anna university has mapped the areas inundated in this Zone during 2005 flood by crowd source method. The RISAT Microwave satellite map showing inundation extent on 3rd December 2015 and 7th December 2015 taken by Institute of Remote Sensing, Anna University is matching more or less with the inundation locations identified by GCC. The flood water due to increased water level in canal was receded with in 4 days and the other stagnated locations were cleared immediately by GCC using pumpsets. The RISAT satellite maps and GCC map are given below for clarity and understanding.

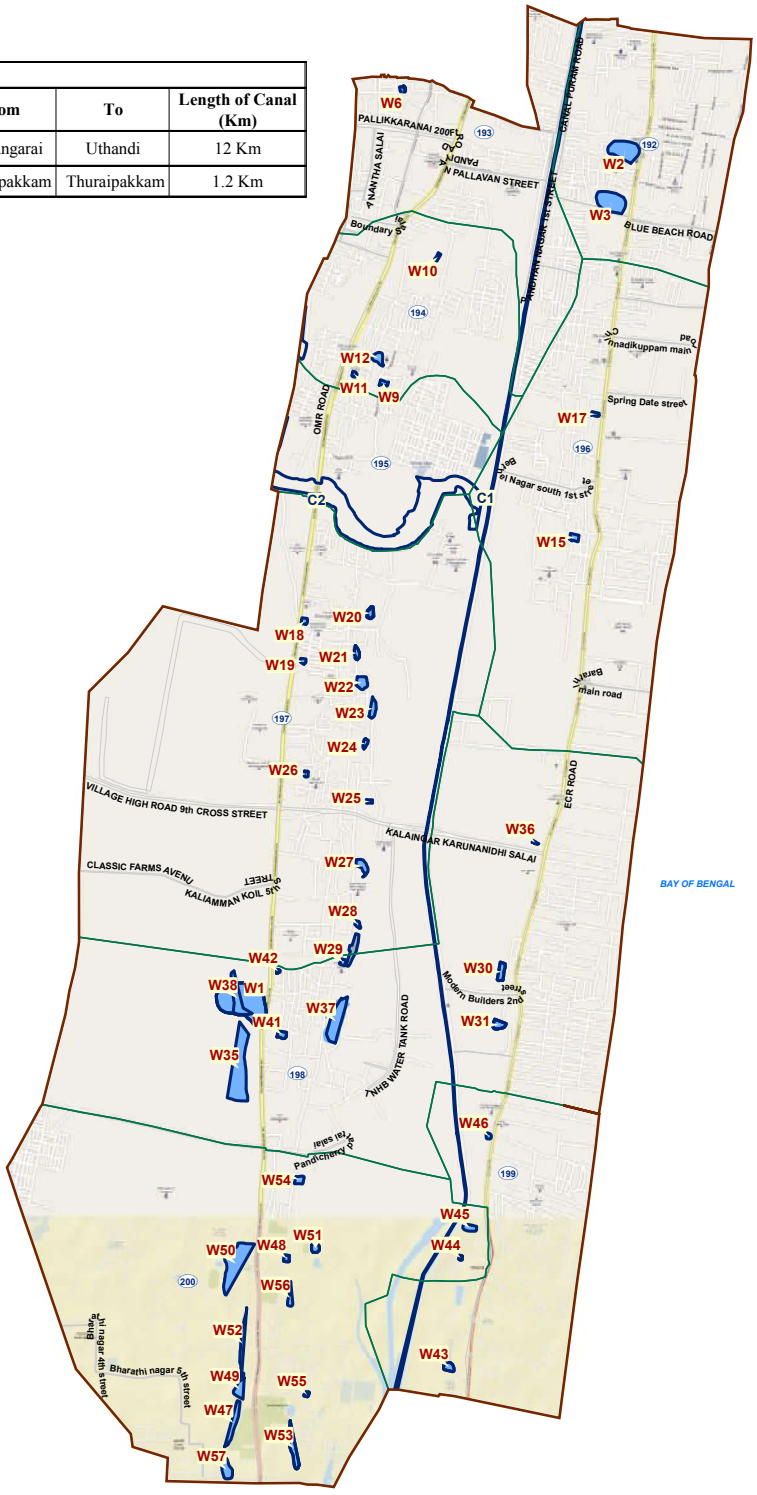
ZONE XV - WATER BODIES

CANAL

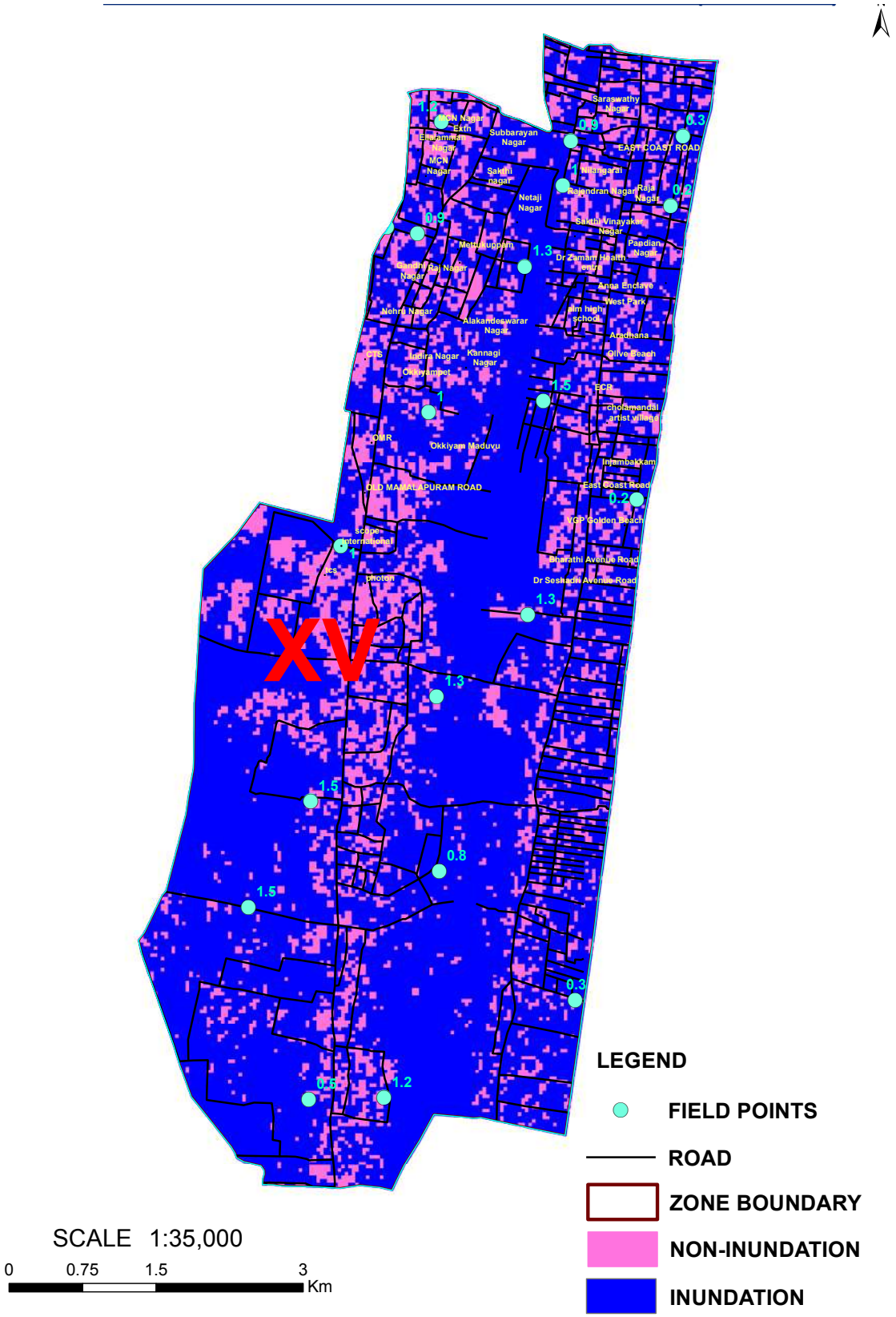
Canals					
ID. No.	Ward	Name of the Canal	From	To	Length of Canal (Km)
C1	192 to 200	South B canal	Neelangarai	Uthandi	12 Km
C2	195	Okkiyam Maduvu	Thuraipakkam	Thuraipakkam	1.2 Km

OTHER WATER BODIES

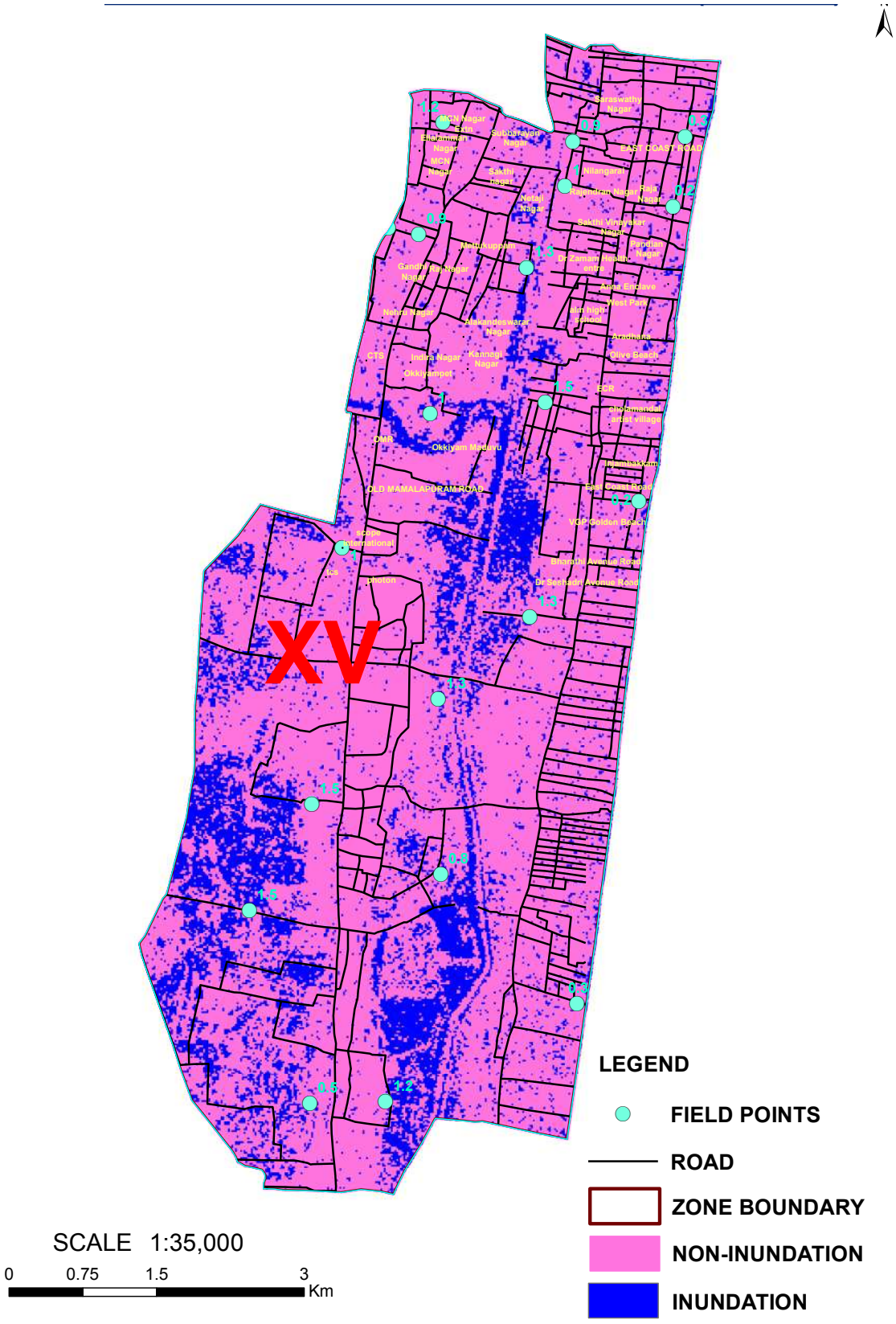
Other Water Bodies			
ID. No.	Ward	Name of other water bodies	Length/Area in M^2
W1	198	Gandhi Nagar Eri	60 Acres
W2	192	Vannan Kulam	5950
W3	192	Thamarai Keni Kulam	4050
W4	192	Mangeni Kuttai	2250
W6	193	Panichavan kuttai	3900
W9	194	Pillaiyar koil Kulam (PTC Quarters)	7000
W10	194	Kumaran Kudi Kulam	3800
W11	194	Panjan Kuttai	3100
W12	194	Eswaran koil kulam	10350
W15	196	Periya keni kulam	2500
W17	196	Vaikolkeni kulam	5000
W18	197	Gangai amman koil street (Karapakkam)	2500
W19	197	Sadagopan street	3250
W20	197	Gangai amman koil street extn	5000
W21	197	Rengasamy street	4400
W22	197	Vendrasiamman koil street	8000
W23	197	Gandhi street	10000
W24	197	New Kumaran nagar	10000
W25	197	School road 1st street	3000
W26	197	Anna street	4500
W27	197	School street	13000
W28	197	Ananth nagar	2500
W29	197	Gangaiamman koil (sholinganallur)	2500
W30	198	Uzhavanthangal Eri	64900
W31	198	Thennampoigai Uthukulam	16250
W35	198	Rettaikeni Thangal	84000
W36	198	Avudaiyar kulam	4600
W37	198	Pudhucherry keni kulam	42400
W38	198	Thamaraikeni Eri	6100
W41	198	Ponniamman koil kulam	600
W42	198	Sathyavani muthu street kulam	700
W43	199	Kodaimanya kulam	3150
W44	199	Nettukanya kulam	5820
W45	199	Vetrankeni kulam	9000
W46	199	Talaiyari kulam	3100
W47	200	Val Vetti Eri	22860
W48	200	Kuttai (Pandicherry pattai)	4700
W49	200	Vengatasamy thangal	13200
W50	200	Vengatasa Kuttai (Theedir nagar)	5500
W51	200	Pidary kuttai	11050
W52	200	Erattai kuttai thangal	95250
W53	200	Kulam (Rajivgandhi salai)	8450
W54	200	Kulam (Pandicherry pattai)	15950
W55	200	Kulam (Rajiv gandhi nagar)	4400
W56	200	Kulam (Mattu pannai)	12450
W57	200	Val Vetti Eri (Ezhilmuga nagar)	950



INUNDATION EXTENT ON 3RD DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE

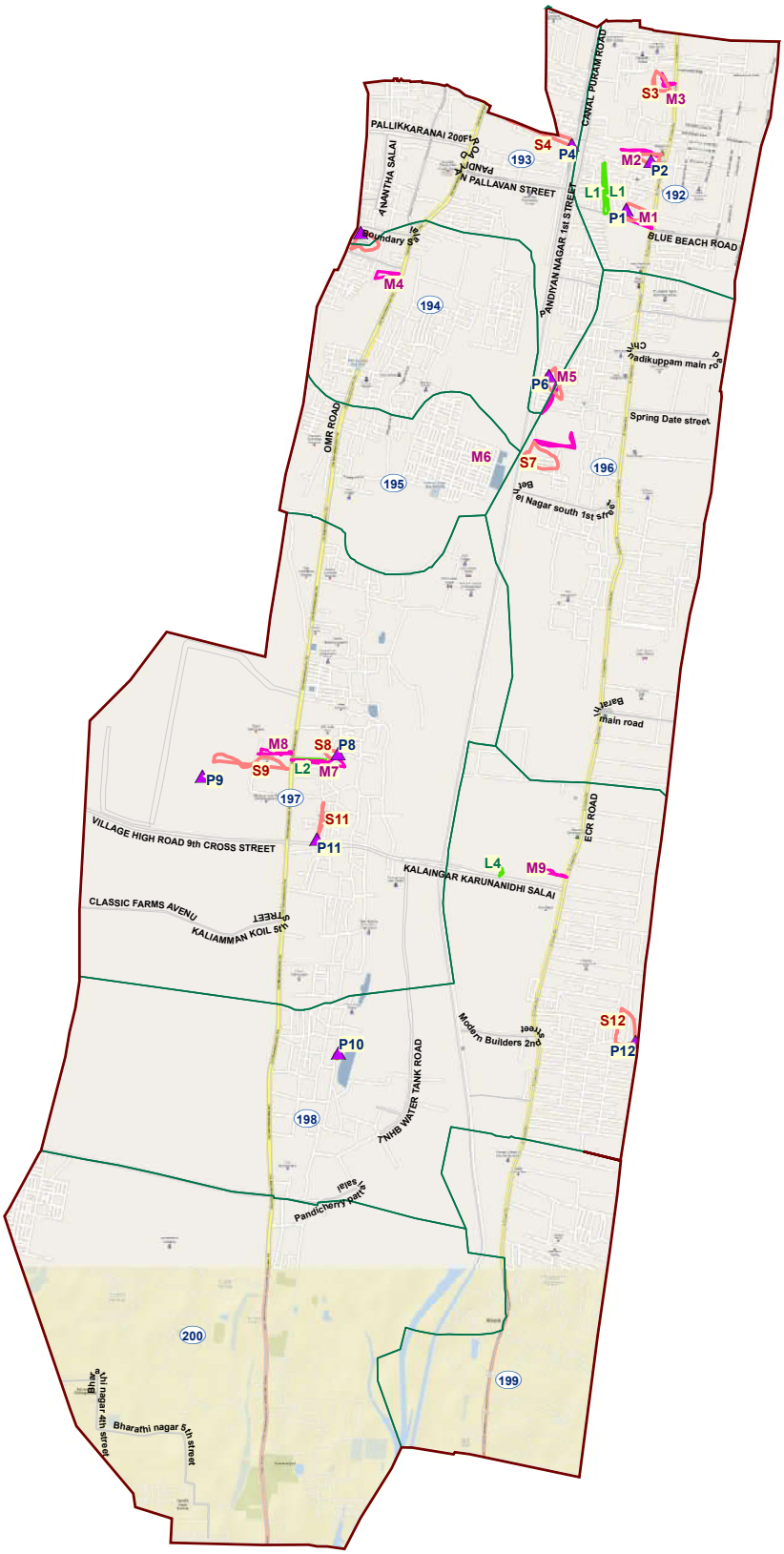


INUNDATION EXTENT ON 7TH DECEMBER 2015 BASED ON RISAT MICROWAVE SATELLITE



ZONE XV

ROADS/STREETS PRONE TO INUNDATION & LOCATION OF PUMP



Streets where water stagnated in the previous monsoon - Heavy

Streets where water stagnated in the previous monsoon - Light

Streets where water stagnated in the previous monsoon - Moderate

Location of Diesel Pump Location

Streets - water stagnated in the monsoon 2015- mild rain

S.No.	ward	Name of the Street
1	193	OMR BSR Mall Thoraipakkam
2	193	Sai Nagar, Thoraipakkam
3	194	Hanuman Colony
4	195	Gangai Amman Koil Street
5	195	Eswaran Koil Street

Streets - water stagnated in the monsoon 2015- Moderate rain

S.No.	ward	Name of the Street
1	193	Arignar anna 8th street
2	193	OMR near BSR mall
3	194	Royal Enclave
4	194	Anna Enclave
4	194	Hanuman Colony
5	194	Kudupi Complex
6	195	Gangaiamman Koil Street
7	195	Eswaran Koil Street
8	197	KK Salai Near Mandri Vilas
9	198	The Channai Mobiles, OMR Service Road
10	198	Devaraj Nagar 2nd Main Road
11	198	Anna Street, Karapakkam
12	198	Division Office Karapakkam
13	198	Bharathidasan Street
14	200	Jawahar Nagar
15	200	Tsunami Nagar

Stagnation of water in streets due to sewer blocks

There is no sewer Blocks in Sozhanganallur Zone.

Relief Centres

There are 10 relief centres to a total capacity of 8850 that are readily available with Cooking, Drinking water and toilet facilities, to be utilized during the evacuation period to accommodate the affected people. The list of relief centres are given below.

Sl. No.	Div.No.	Capacity	Name of relief centresavailable	Listofstreetspeople to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No
1	**192**	250	PDN Kalyana mandapam, Neelankarai	Aringar Annastreet	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025992 9791017597
								Evacuation	AE	9445190792
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190792
2	192	250	Panchayat middle school, Neelangarai	Chinna Neelangarai, Periya Neelangarai	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025992 9791017597
								Evacuation	AE	9445190792
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190792
3	193	300	Govt. Hr School, Thoraipakkam	Pandian nagar, Aringar nanagar, VPG Avenue	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025993 9159161147
								Evacuation	AE	9445190793
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190793
4	194	300	St.Joseph School - Vettuvankeni	Karpagavinayagarnagar,Mahathma Gandhinagar,Ganeshnagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025994 9791017597
								Evacuation	AE	9445190794
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190794
5	194	100	Amaithi Koil Injamabakkam (VGP)	Bethel Nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025994 9791017597
								Evacuation	AE	9445190794
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190794

Sl. No.	Div.No.	Capacity	Name of relief centresavailable	Listofstreetspeople to be shifted	Drinking water	Toilets	Cooking facilities	Responsibilities	Officer in-charge	Contact No
6	197	250	GPJ Mandapam, Akkarai, Sozhanganallur	MGR Nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025997 9080306614
								Evacuation	AE	9445190797
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190797
7	197	250	TsunamiCentre, Kudumiyan dithoppu	Kudumiyan dithoppu	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025997 9080306614
								Evacuation	AE	9445190797
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190797
8	197	100	Tsunami Centre, Kudumiyan dithoppu	Uthandi	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025997 9080306614
								Evacuation	AE	9445190797
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190797
9	199	300	Govt. HrSchool, Sozhanganallur	Gandhi nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	9445025999 9080306614
								Evacuation	AE	9445190799
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190799
10	200	200	Panchayat Union Primary School - Chemmenchery	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandi nagar	Yes	Yes	Yes	Sanitation, Medicine	SI	7871399131 9962536114
								Evacuation	AE	9445190800
								Food & Drinkingwater	ARO	9445190095
								Relief Materials	AE	9445190800

Subway

There is no subway as of now available in this zone. In future if subways are constructed the precautionary measures should be taken before rain and during the rain

Tree fall

During the last monsoon, in Sozhanganallur zone totally 3 tree branches were fallen and cleared. The following tree fall locations in this zone were noticed and in these places special precautionary steps like pruning of tree branches shall be done in advance. The details are as follows,

Sl.No.	Ward/Name	Name of the Streets
1	196 Okkiyam Thuraipakkam	Kannagi Nagar 9th main road
2	196 Okkiyam Thuraipakkam	Kannagi Nagar 10th cross street
3	194 Injampakkam	ECR

Streets - where water entered houses - do not require evacuation

During the last monsoon, 3 inundated spots where water entered houses but doesn't require evacuation were identified and actions were taken to bale out the rain water. During NEM 2015 the under mentioned 3 locations were inundated for more than a day by which the normal day to day activity of 310 people were stand-stilled. Flood water from these areas were cleared by using 2 number of 5 HP pumps. The identified vulnerable spots are as below,

Sl.No.	Ward/Name	Streets where water enters house - not require evacuation
1	192, Neelangarai	Sivan koil street
2	196, Injampakkam	Bethel nagar
3	199, Sozhanganallur	Ghandi Nagar

Streets that require evacuation

During the heavy flood that occurred in 2015, in Sozhanganallur zone there were 8850 people were evacuated from Neelangarai, Okkiyam Thoraipakkam, Injambakkam, Sozhanganallur & Chemmenchery and they were accomodated in below mentioned relief centres. They were provided with basic amenities like accomodation, food and relief materials for 25 days. The details and locations evacuation are given below.

ZONE XV

EVACUATION & RELIEF SHELTERS

STREET/AREA - People to be shifted

Stree/Area - People to be shifted

ID. No.	Ward	List of streets, people to be shifted
S1	192	Aringar Anna street
S2	192	Chinna Neelangarai, Periya Neelangarai
S3	193	Pandian nagar, Aringar Anna nagar, VPG Avenue
S4	196	Karpagavinayagar nagar, Mahathma Gandhi nagar, Ganesh nagar
S5	196	Chinnandi Kuppam, Bethel Nagar
S6	196	Bethel Nagar
S7	198	MGR Nagar
S8	197	Gandhi nagar
S9	200	Kudumiyandithoppu
S10	200	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandi nagar

RELIEF SHELTER

Relief Centres

ID. No.	Ward	Name & Addres of relief centres available
R1	192	PDN Kalyana mandapam, Neelankarai
R2	192	Panchayat middle school, Neelangarai
R3	193	Govt. Hr School, Thoraipakkam
R4	196	St.Joseph School - Vettuvankeni
R5	196	Tsunami Centre, Injampakkam
R6	196	Church Kalyanamandapam, Injampakkam
R7	198	GPJ Mandapam, Akkarai, Sholinganallur
R8	197	Govt. Hr School, Sholinganallur
R9	200	Tsunami Centre, Kudumiyandithoppu
R10	200	Panchayat Union Primary School - Chemmenchery



Sl. No.	Ward/Name	Streets	No. of ersons	Years	Relief centre
1	192 Neelangarai	Aringar Anna street	250	2015	PDN Kalyana mandapam, Neelankarai
2	192 Neelangarai	Chinna Neelangarai, Periya Neelangarai	1000	2015	Panchayat middle school, Neelangarai
3	192 Neelangarai	Pandian nagar, Aringar Anna nagar, VPG Avenue	2000	2015	Govt. Hr School, Thoraipakkam
4	193 Okkiyam Thuraipakkam	Karpagavinayagar nagar, Mahathma Gandhi nagar, Ganesh nagar	2000	2015	St.Joseph School - Vettuvankeni
5	194, Injampakkam	Chinnandi Kuppam, Bethel Nagar	500	2015	Tsunami Centre, Injampakkam
6	194, Injampakkam	Bethel Nagar	1000	2015	Church Kalyanamandapam, Injampakkam
7	197 Sozhanganallur	MGR Nagar	250	2015	GPJ Mandapam, Akkarai, Sozhanganallur
8	199 Sozhanganallur	Gandhi nagar	1150	2015	Govt. Hr School, Sozhanganallur
9	197 Sozhanganallur	Kudumiyandithoppu	250	2015	Tsunami Centre, Kudumiyandithoppu
10	200 Chemmenchery	Jawahar nagar, Ezhilmuga nagar, Rajiv Gandi nagar	450	2015	Panchayat Union Primary School - Chemmenchery

Lighting Facilities

Establishing alternate sources of lighting is a prerequisite. There is one battery powered lights available in the zone and the details are given below with contact numbers. Issues like non burning of street lights, electrocution shall be addressed to the following officials/staff.

Sl. No.	Ward	Contact person	
		Designation	Phone number
1	197	Assistant Engineer	9445191481

National Disaster Response Force (NDRF)

In Sozhanganallur zone, the NDRF to be stationed locations and precautionary measures to be taken before the rain is given below,

S.No	Div. No.	Where NDRF to be stationed and deployed
1	197	Ganesa naickar Mandabam, Sozhanganallur

The Commandant
04, Battalion (NDRF)
Suraksha Campus
Takkolam, Arakkonam
Vellore District – 631 152
Phone No. 04177 – 246594/246269



VINAYAKAR KOIL STREET, WARD 194

Rescue Boats

Rescue operations during flood require the services of boats in the form of Catamaran/ rubber inflatable dinghies/FRP both powered and manually operated. Availability of boats in vicinity of flooded areas plays an important part in rescue operations. When the situation arises to evacuate the people from the affected area the respective Assistant Engineers are responsible to locate the boat at needy places, to guide the boat man, to navigate around marooned areas and to arrange shelters & food for the rescue teams. The details of boats required along with the stationed locations and the precautionary measures which needs to be taken before and during the rain are given below.

Sl. No.	Ward	Number of boats required with location /evacuation areas	Boats stationed Location	Contact Number
1	192	1No.of boat at Aringer Anna 4th Street	Aringer Anna 4th Street	9445190792
2	193	2Nos.of boats at Anandha Nagar	Anandha Nagar	9445190793
3	195	2Nos.of boats at Secretariat Colony	Secretariat Colony	9445190795
4	197	1No.of boat at Bhakthi Vedandha Salai	Bhakthi Vedandha Salai	9445190797
5	198	1No.of boat at River View Colony	River View Colony	9445190798
6	199	1No.of boat at Alamelumanga-puram	Alamelumanga-puram	9445190799
7	199	1No.of boat at Classic Farm	Classic Farm	9445190799
8	200	1No.of boat at Nookampalaiyam Link Road	Nookampalaiyam Link Road	9445190800

ZONE XV

EVACUATION AREA, NDRF TEAM & BOAT LOCATIONS

EVACUATION AREA

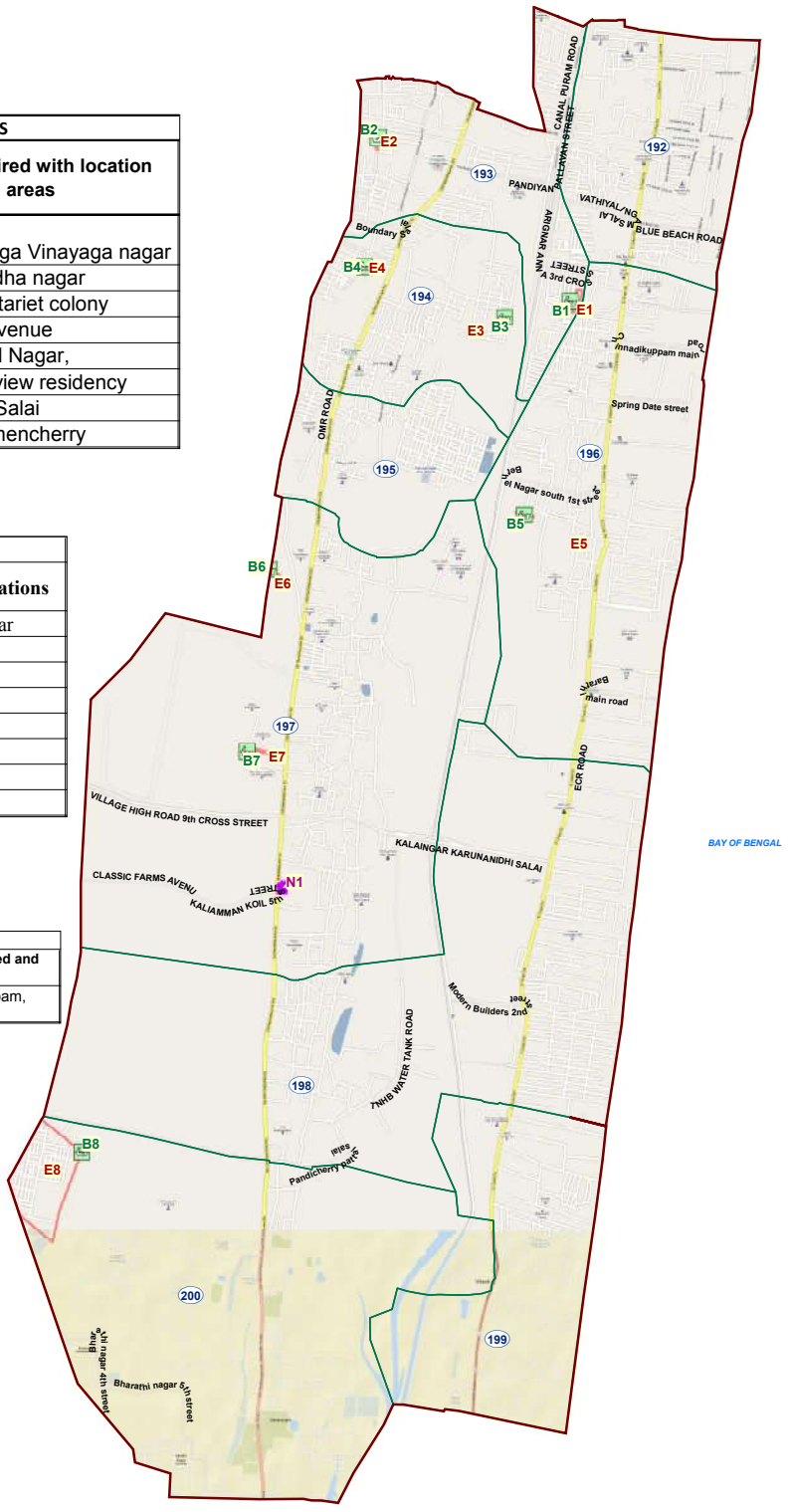
EVACUATION AREAS		
ID. No.	Ward	Number of boats required with location /evacuation areas
E1	193	2 Nos. of boats at Karpaga Vinayaga nagar
E2	193	2 Nos. of boats of Anandha nagar
E3	194	2 Nos. of boats at Secretariet colony
E4	194	1 No. of boats at VPG Avenue
E5	196	2 Nos. of boats at Bethel Nagar,
E6	197	1 No. of boats at Reiverview residency
E7	197	1 No. of boats at Wipro Salai
E8	200	1 No. of boats at Chemmencherry

BOAT LOCATION

Boats		
ID. No.	Ward	Boats stationed Locations
B1	193	Karpaga Vinayaga nagar
B2	193	Anandha nagar
B3	194	Secretariet colony
B4	194	VPG Avenue
B5	196	Bethel Nagar
B6	197	Reiverview residency
B7	197	Wipro Salai
B8	200	Chemmencherry

NDRF TEAM

NDRF TEAM		
ID. No.	Ward	Where NDRF to be stationed and deployed
N1	197	Ganesa naickar Mandabam, Sozhanganallur



Transport Equipments & Lorries

For carting men and materials, removing garbage/debris lorries were deployed. There were 6 debris lorries, 2 skid steer loaders and 2 front end loaders are stationed for performing the job. The details of the lorries available rain are given below

No. of lorries and type kept in readiness
Debris lorry - 4
Skid steer loaders (Bob cat) - 3
(Front end loader) JCB - 1

Depot A.E Contact No.	Availability of Lorries				
	JCB	Bobcat	Open lorry	Water tanker Lorry	Hydraulic Ladder
9445026115	1	3	4	1	0

Less than 2.5 m streets/lanes that cannot be accessed by Vehicles

The following are the streets which cannot be accesses by vehicles as the road width of these roads are lesser than 2.5 metres. The details are given below,

Sl.No	Ward	Street Names
1	193	Pandian nagar, Aringar Anna Nagar, Ganesh Nagar, Karpagavinayagar nagar
2	195	Nehru Nagar
3	199	Gandhi Nagar

Ward Committee

It is to be noted that the responsibilities of each officers are well described in the page number 155 of this booklet. The respective officers/staffs may be taken on board to address the issues pertaining to them.

The contact details ward committee and other line departments are as follows

Ward committee – 192
Ward councilor : **9445467192**

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190792
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025993
GCC - Veterinary	VAS	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190842
GCC - Revenue	Tax Collector	9841128985
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930192
TANGEDCO	Junior Engineer	9445850159
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee – 193
Ward councillor – 9445467193

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190793/792
GCC - Electrical	Assistant Engineer	9445477674
GCC- Health	Sanitary Inspector	9445025993
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190843
GCC - Revenue	Tax Collector	8610709598
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930193
TANGEDCO	Junior Engineer	9445850175
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498128733
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –194
Ward councillor – 9445467194

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190794
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025994
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190844
GCC - Revenue	Tax Collector	9962666842
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930195
TANGEDCO	Junior Engineer	9445850175
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –195
Ward councillor – 9445467195

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190795
GCC - Electrical	Assistant Engineer	9445477674
GCC- Health	Sanitary Inspector	9943221970
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190845
GCC - Revenue	Tax Collector	9566056440
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930195
TANGEDCO	Junior Engineer	9445850170
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –196
Ward councillor – 9445467196

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190796
GCC - Electrical	Assistant Engineer	9445477675
GCC- Health	Sanitary Inspector	9445025996
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190846
GCC - Revenue	Tax Collector	9566056440
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930196
TANGEDCO	ADE	9445850170
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –197
Ward councillor – 9445467197

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190797
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9445025997
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071057
GCC - Revenue	Tax Collector	8807225527
Revenue	Revenue Inspector	9994523537
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930197
TANGEDCO	Junior Engineer	9445850173
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –198
Ward councillor – 9445467198

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190798
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9566113565
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071048
GCC - Revenue	Tax Collector	9080588567
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930198
TANGEDCO	Junior Engineer	9566222638
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –199
Ward councillor – 9445467199

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190799
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9566113565
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445190849
GCC - Revenue	Tax Collector	9962666842
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930199
TANGEDCO	ADE	9445850177
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9445171686

Ward committee –200
Ward councillor – 9445467200

Name of the department	Designation	Contact Number
GCC - Engineering	Assistant Engineer	9445190800
GCC - Electrical	Assistant Engineer	9445191481
GCC- Health	Sanitary Inspector	9445025795
GCC - Veterinary	Veterinary Assistant Surgeon	9445026046
GCC - Solid waste management	Conservancy Inspector	9445071060
GCC - Revenue	Tax Collector	9790789226
Revenue	Revenue Inspector	9884136132
GCC - Park overseer	Park Supervisor	9445194730
CMWSSB	Assistant Engineer	8144930200
TANGEDCO	ADE	9445850177
BSNL	Assistant Engineer	044-24500000
Fire service	Inspector	044-24961186
Police station	Inspector	9498100174
PWD	Assistant Engineer	9444487385
TNUHDB	Executive Engineer	9444167521
Highways	Divisional Engineer	9444266697
CMRL	Manager	9962281200



Director General of Police Head Quarter



Madras High Court



The Commissioner
Ripon Buildings
Greater Chennai Corporation
Chennai-600 003.

Control Room
1913
044 - 2561 9206
044 - 2561 9207
+91 94450 61913

E-mail:
gcccontrolroom@gmail.com

Website:
www.chennaicorporation.gov.in