

Land Acquisition and Resettlement Due Diligence Report

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INDIA: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project

(Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai-Kosasthalaiyar Basin – Under Japan Fund for Poverty Reduction COVID-19 Window)

CURRENCY EQUIVALENTS

(as of 2 June 2021)

| | | |
|---------------|---|------------------|
| Currency unit | = | Indian rupee (₹) |
| ₹1.00 | = | \$0.0137 |
| \$1.00 | = | ₹72.854 |

ABBREVIATIONS

| | | |
|-------|---|-------------------------------------|
| ADB | - | Asian Development Bank |
| BOD | - | Biological Oxygen Demand |
| CHS | - | Chennai Higher School |
| CHSS | - | Chennai Higher Secondary School |
| CMS | - | Chennai Middle School |
| COD | - | Chemical Oxygen Demand |
| CPCB | - | Central Pollution Control Board |
| CPS | - | Chennai Primary School |
| DDR | - | Due Diligence Report |
| DPR | - | Detail Project Report |
| DMS | - | Detailed measurement survey |
| GCC | - | Greater Chennai Corporation |
| GOTN | - | Government of Tamil Nadu |
| IPC | - | Infection Prevention and Control |
| JFPR | - | Japan Fund for Poverty Reduction |
| PPE | - | Personal Protective Equipment |
| O&M | - | Operations and Maintenance |
| PMGKY | - | Pradhan Mantri Gareeb Kalyan Yojana |
| PUPS | - | Panchayat Union Primary School |
| PUMS | - | Panchayat Union Middle School |
| SOP | - | Standard operating procedures |
| UPHC | - | urban primary health centers |
| WASH | - | Water Supply Sanitation and Hygiene |
| ZHO | - | Zonal Head Office |

WEIGHTS AND MEASURES

| | | |
|----|---|------------|
| m | - | meter |
| mm | - | millimeter |

NOTE

In this report, "\$" refers to United States dollars.

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I. INTRODUCTION

A. Background

1. As of 20 May 2021, India reportedly has about 25 million confirmed cases of COVID-19¹ which is the second worst affected country in the world. The state of Tamil Nadu has been among the severely affected states that now has 1.7 million confirmed cases and over 19,000 fatalities. Chennai ranks the seventh among the worst affected cities in India with 460,000 confirmed cases.² The government has taken effective steps to manage the disease through testing, isolation, and treatment through a good urban primary health care system (having 140 health care centers) managed by Greater Chennai Corporation (GCC). However, the major challenge in the city's fight against COVID-19 is the high occurrence and disease transmission in pockets with dense population of urban poor that lacks proper IPC, especially Water Supply Sanitation and Hygiene (WASH) services.

2. The problem of dense urban poor population is compounded by Chennai being among the most vulnerable to the impact of climate change which further weakens its capacity in controlling the spread of COVID-19. Although Chennai has been improving its resilience to urban floods by implementing basin-wide integrated flood management programs in the major river basins, its urban low-income communities with dense population remain highly risk prone and vulnerable to extreme flood events. During floods, there is a high likelihood of these areas becoming epicenters of epidemics with these risks clear in the ongoing COVID-19 pandemic. In response, ADB is processing a new loan (\$251 million) with the GCC for an integrated urban flood management project in the Kosasthalaiyar basin spanning the northern parts of the city (2021 pipeline) that will help reduce the vulnerability to the impact of climate change. However, there is a need for more enhanced actions against the threat of COVID-19.

3. The proposed project grant (financed by Japan Fund for Poverty Reduction, JFPR, COVID-19 Window) aims to improve Coronavirus Disease 2019 (COVID-19) infection prevention and control (IPC) through interventions to enhance water sanitation and hygiene (WASH) in low-income flood-prone urban areas of the Chennai–Kosasthalaiyar basin. It supports Greater Chennai Corporation (GCC) efforts to (i) strengthen WASH services, products, and training with behavior interventions in schools; (ii) enhance COVID-19 IPC and WASH measures in community health centers; (iii) improve the surveillance system for COVID-19 and other communicable diseases; and (iv) enhance preparedness in low-income flood-prone urban communities and their responses to future pandemics and flooding.

4. The grant is proposed to strengthen the integrated risk management of epidemics and disasters in flood-prone areas under the proposed project Integrated Urban Flood Management for the Chennai–Kosasthalaiyar Basin.³ This grant project will be a pilot intervention of Asian Development Bank (ADB) COVID-19 and WASH nexus support in India and a model for scaling up integrated response to epidemics and disasters in urban areas across South Asia.

¹ World Health Organization Coronavirus (COVID-19) dashboard. <https://covid19.who.int/> (accessed 22 May 2021).

² Health and Family Welfare Department, Government of Tamil Nadu. 2021. Media bulletin of Government of Tamil Nadu, available at <https://stopcorona.tn.gov.in/wp-content/uploads/2020/03/Media-Bulletin-20-05-21-COVID-19-6-PM.pdf> Accessed on 22 May 2021.

³ ADB. 2020. *Country Operations Business Plan: India, 2021–2023*. Manila. The proposed loan is listed in 2021 pipeline.

5. The proposed project aligns with key operational priorities of ADB Strategy 2030: addressing remaining poverty and reducing inequality, accelerating progress toward gender equity, tackling climate change and building climate and disaster resilience, making cities more livable, and strengthening governance and institutional capacity.⁴ The project reinforces pillars 2 and 3 of the country partnership strategy for India, 2018–2022 by supporting inclusive access to better municipal services for the urban poor and mitigating negative climate change impacts.⁵ The proposed response to COVID-19 and other communicable diseases through WASH interventions aligns with the joint statement of international leaders that called for prioritizing WASH services to contain COVID-19. Furthermore, it aligns with stronger and more integrated management of health and water-related disaster risk in the wake of COVID-19, as proposed by a panel of senior leaders and experts on water issues and disasters.⁶

B. Outputs and Key Activities

6. **Output 1: WASH services, products, and training strengthened with behavior interventions in 65 schools in flood-prone low-income urban communities.**⁷ The output includes improving: (i) hand hygiene by providing reliable access to running water in sufficient quantities at regularly cleaned foot pedal operated handwashing stations with elbow operated soap dispensers, as well as ensuring safe drinking water with the provision of drinking water stations with foot pedal-operated taps and devices, and covered containers for storing treated water; (ii) environmental hygiene by establishing cleaning schedules, periodically cleaning frequently touched objects, mopping classrooms and toilets with commercial disinfectant, disinfecting the surface where required, and providing to cleaning staff such personal protective equipment (PPEs) as boots, gloves, and masks; (iii) waste management by providing pedal-operated waste collection bins with liners at points of use and facilities for the separate collection and onsite disposal of menstrual hygiene waste, used tissues, and masks; (iv) gender-sensitive and inclusive sanitation management to ensure adequate numbers of clean toilets, including disabled-accessible boys' toilets and girls' toilets with private stalls, cleaning and disinfection supplies, and improving facilities to safely collect and dispose feces and wastewater; (v) the personal sanitation habits of students, teachers, and other staff in schools through training on the safe management of handwashing stations and drinking water points, personal hygiene, and the enforcement of IPC methods such as physical distancing; (vi) the promotion of behavior change to improve hygiene and prevent infection in schools to minimize disease transmission risk; and (vii) toilet disinfection through enhanced on-the-job training for cleaning staff during disasters and epidemics.

7. **Output 2: COVID-19 IPC and WASH measures strengthened in 17 community health centers in flood-prone low-income urban communities.**⁸ The output includes improving: (i) IPC plans in health-care facilities and associated staff training on patient

⁴ ADB. 2018. *Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

⁵ ADB. 2017. *Country Partnership Strategy: India, 2018–2022*. Manila.

⁶ The International Online Conference to Address Water-related Disasters under COVID-19 was jointly organized by the High Level Experts and Leaders Panel on Water and Disasters, ADB, the Tokyo-based National Graduate Institute for Policy Studies, and the United Nations Centre for Regional Development on 20 August 2020 (<https://www.adb.org/news/experts-call-stronger-risk-management-health-and-water-disasters-wake-covid-19-pandemic>).

⁷ UNICEF. 2020. *COVID-19 Emergency Preparedness and Response: WASH and Infection Prevention and Control Measures in Schools*. New York.

⁸ UNICEF. 2020. *COVID-19 Emergency Preparedness and Response: WASH and Infection Prevention and Control Measures in Health Care Facilities*. New York.

placement, the designation of isolation room or units, the safe use and disposal of PPEs, proper sterilization and disinfection, and periodic monitoring; (ii) hand hygiene by providing reliable access to running water in sufficient quantities at regularly cleaned foot pedal operated hand washing stations with elbow operated soap dispensers at entrances and exits, near baths and toilets, and at all points of care (screening, observation, and treatment), as well as ensuring safe drinking water with the provision of drinking water stations with foot pedal-operated taps and devices; (iii) environmental hygiene by establishing disinfection schedules, ensuring the availability of proper disinfectant and cleaning materials, periodically cleaning and disinfecting floors and frequently touched objects and surfaces, and providing PPEs to cleaning staff; (iv) waste management by enabling color-coded waste segregation in a three-bin system (for infectious waste, sharp objects, and general waste), establishing proper storage locations and ensuring final disposal in incinerators and autoclaves, as well as providing PPEs to waste handlers; (v) gender-sensitive and inclusive sanitation management to ensure adequate numbers of clean toilet blocks for patients, ensuring the availability of cleaning and disinfection supplies and safely managed sewage without posing risks to nearby communities; (vi) toilet disinfection by enhanced on-the-job training for cleaning staff during disasters and epidemics; and (vii) awareness of personal hygiene and infection prevention through awareness campaigns and the promotion of behavior change in health centers.

8. Output 3: Surveillance systems for COVID-19 and other communicable diseases improved in flood-prone low-income urban communities. For lack of essential public health personnel and adequate health facilities in low-income urban communities, the local government is unable to identify sources of infection for COVID-19 and other communicable diseases or take effective early measures to monitor and contain community transmission. As low-income urban communities are hotspots of COVID-19 transmission in Chennai, the government needs to establish an innovative disease surveillance system to better address the aforementioned challenges. Further, such a system will enhance periodic scheduled testing and accessible decision support information on COVID-19 and other communicable diseases in low-income communities, generate more accurate disease data, and strengthen local government capacity to prevent and control outbreaks. This output includes: (i) establishing eight mobile medical and diagnostic units attached to primary health centers that will conduct scheduled camps with spot sampling of infectious diseases including COVID-19 for centralized lab testing; and (ii) strengthening water quality surveillance and wastewater epidemiology for water-borne diseases and COVID-19 through four mobile water quality labs, which will spot test and collect samples for centralized testing in the GCC Public Health Laboratory or other labs.⁹ Spot and lab testing results will provide a real-time picture of geographic and demographic trends in the local transmission of COVID-19 and other communicable diseases, generating early warning information that will allow local governments to act quickly to prevent the spread of disease.¹⁰ The mobile surveillance activities will be implemented with linkage to awareness campaigns and the promotion of behavioral changes in communities.

⁹ Two mobile medical and diagnostic units shall be provided to each of the four administrative zones in the project area, Zone 1,2,3 and 7. One mobile water quality monitoring station shall be provided to each of the four zones in the project area, Zone 1,2,3 and 7.

¹⁰ Studies have shown a correlation between wastewater concentrations of RNA from severe acute respiratory syndrome coronavirus 2, the strain of coronavirus that causes COVID-19, and COVID-19 clinical case reports, suggesting that RNA concentrations can provide advance notice of COVID-19 spread 4–7 days ahead of data on confirmed cases (<https://www.who.int/news-room/commentaries/detail/status-of-environmental-surveillance-for-sars-cov-2-virus>).

9. **Output 4: Preparedness for pandemic and flood disaster response enhanced in flood-prone low-income urban communities.** The long-term sustainability of the city's improved response to future epidemics and flood disasters in vulnerable communities crucially depends on institutionalizing the processes and mechanisms strengthened under this project. This output supports developing: (i) a gender-responsive and integrated response plan for epidemics and flood disaster with standard operating procedures in targeted communities and (ii) a simple system to monitor the functionality of WASH and IPC services and an operation and maintenance manual for schools and health centers. The integrated response plan will include special early warnings for locked-down communities to ensure their effective evacuation or sheltering in place and assurance of safety from disasters to prevent panic, physical distancing in rescue centers, the prioritized provision of WASH to rescue and health centers, and emergency management arrangements to sustain health services provided by primary and critical care facilities.

C. Scope of this report

10. This land acquisition and resettlement due diligence report (DDR) is prepared for the proposed 'Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai–Kosasthalaiyar Basin'. Implementation of the package does not involve any land acquisition or major construction activities. The report is prepared based on the Detailed Project Report (DPR), January 2021 prepared by the design consultants engaged by GCC. . The DDR will be updated and reconfirmed for final involuntary resettlement impacts after completion of final engineering design and based on the Detailed Measurement Survey (DMS) in sections ready for implementation. The draft DDR will be reviewed and disclosed on IA and ADB websites.

11. A due diligence process was conducted to examine the land acquisition and resettlement issues in detail based on the preliminary design, aligned with ADB's Safeguard Policy Statement (SPS), 2009. The main objective of due diligence exercise is to confirm that the project is free of involuntary resettlement impact such as land acquisition, physical displacement, economic displacement, adverse impact on livelihood, community properties or any other impacts, based on a review of documents, stakeholder consultations and field visits to proposed project locations. This report describes the findings and provides copies of relevant documents, and photographs.

12. During DMS, if involuntary resettlement related impacts assessed, a resettlement plan (RP) will be prepared and shared with ADB for approval. The final document will be reviewed and disclosed on GCC and ADB websites. No civil works contract package should be awarded and started before the completion of final document (DDR or RP) for the said package until ADB's No Objection is obtained. The Implementing Agency is responsible for handing over the project land/site to the contractor free of encumbrances.

D. Implementation Arrangement

13. The project is proposed to be funded by Japan Fund for Poverty Reduction (JFPR) and to be administrated by ADB. Municipal Administration and Water Supply Department, Government of Tamil Nadu (GOTN) will be the Executing Agency and GCC will be the Implementing Agency for the proposed project.

II. PROJECT DESCRIPTION

A. About the Project Area

14. **COVID-19 pandemic in Chennai.** As of 3 May 2021, India had about 20 million confirmed cases of COVID-19, the second-highest national total in the world.¹¹ About one-third of all cases in India, or 34.23%, are concentrated in 20 cities and districts.¹² The risk of COVID-19 spread is 1.09 times higher in urban areas than in rural areas and 1.89 times higher in urban slums.¹³ The Government of India has been implementing a wide range of social security and public health responses to contain and mitigate the impact of the COVID-19 pandemic. In March 2020, the Government of India announced the \$2 billion COVID-19 Response and Health Systems Preparedness Project to carry out immediate emergency response.¹⁴ The finance minister also announced a \$24 billion relief package under the Prime Minister's Welfare Scheme for the poor to enhance food security and provide financial assistance to the poor, women, senior citizens, and other vulnerable groups, and to expand health care coverage for informal workers.¹⁵ As the pandemic persisted, the government adopted a longer-term approach to system strengthening, launching the Pradhan Mantri Atmanirbhar Swasth Bharat Yojana in May 2020 to strengthen public health systems' preparedness for future pandemics and other emergencies.¹⁶

15. Tamil Nadu has been among the most severely affected states in India, with about 1.2 million confirmed cases and over 14,000 fatalities. Chennai is the seventh worst affected city in India, with about 350,000 confirmed cases.¹⁷ The Government of Tamil Nadu accorded high priority to IPC of COVID-19 even before the first COVID-19 case was reported in the state, issuing orders for the IPC of COVID-19 in the state.¹⁸ The government also issued guidelines for dealing with suspected cases of COVID-19 in March 2020 that laid down standard operating procedures.¹⁹ The government has taken effective steps to manage the disease through testing, isolation, and treatment through a good urban primary health-care system founded on 140 healthcare centers managed by the GCC. However, the major challenge in the city's fight

¹¹ World Health Organization Coronavirus (COVID-19) Dashboard. <https://covid19.who.int/> (accessed 3 May 2021).

¹² World Health Organization. 2020. *Novel Coronavirus Situation (COVID-19) Update Report—51*. 18 January. https://www.who.int/docs/default-source/wrindia/situation-report/india-situation-report-51.pdf?sfvrsn=22c1fe2d_2/.

¹³ Ministry of Health and Family Welfare, Government of India. 2020. *Updates on COVID-19*. 11 June. <https://pib.gov.in/PressReleasePage.aspx?PRID=1630922>.

¹⁴ Emergency response includes the provision of personal protective equipment, enhanced surveillance, improved health facilities, health worker training, testing and tracking to contain COVID-19, and other efforts to strengthen national and state health systems.

¹⁵ Ministry of Finance, Government of India. 2020. *Finance Minister Announces Rs1.70 Lakh Crore Relief Package under Pradhan Mantri Garib Kalyan Yojana for the Poor to Help Them Fight the Battle against Corona Virus*. 26 March. <https://pib.gov.in/PressReleasePage.aspx?PRID=1608345>.

¹⁶ The government requested ADB support for this initiative with \$1 billion to be processed in four phases. ADB approved the programmatic approach in December 2020, with a first-phase results-based lending program worth \$300 million and called Strengthening Comprehensive Primary Health Care in Urban Areas Program under Pradhan Mantri Atmanirbhar Swasth Bharat Yojana.

¹⁷ Health and Family Welfare Department, Government of Tamil Nadu. 2021. Media bulletin, 3 May 2021. <https://stopcorona.tn.gov.in/daily-bulletin/>.

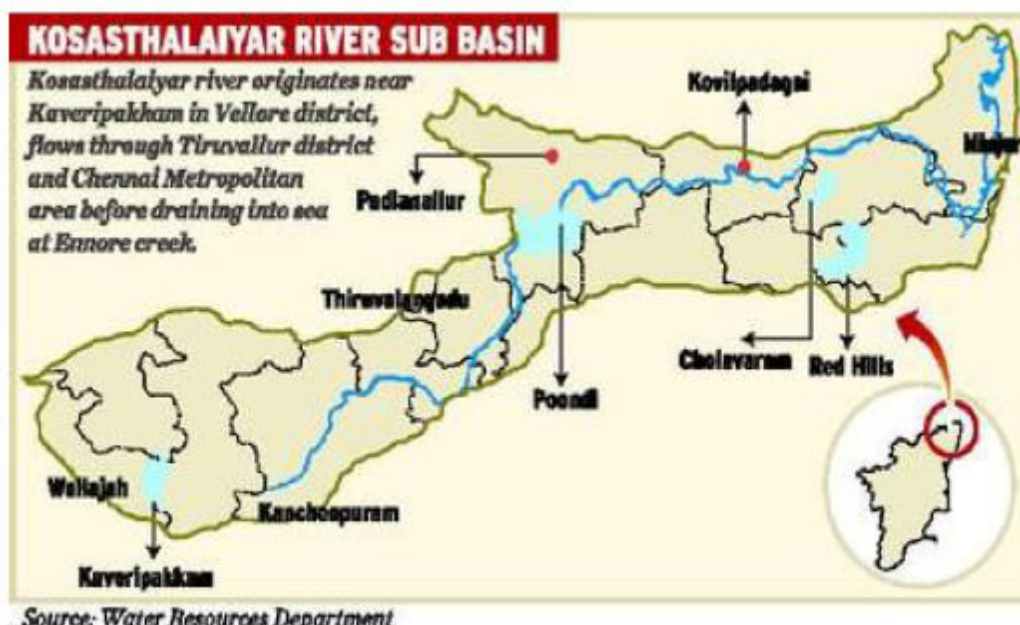
¹⁸ Minutes of the meeting chaired by the Hon. Chief Minister dated 11 March 2020.

¹⁹ Available at https://stopcorona.tn.gov.in/wp-content/uploads/files/TNSOP_5_Version_1_2_Infection_Prevention_Control.pdf.

against the pandemic is a high incidence of disease transmission among the poor living in densely populated pockets that lack in proper WASH services and associated IPC.²⁰

16. The Kosasthalaiyar Basin consists of 4 major Zones of Greater Chennai Corporation (GCC) which are numbered as 1- Thiruvotriyur, 2- Manali, 3- Madhavaram and 7- Ambattur. It is important to note that these areas are a mix of commercial, residential as well as industrial belts with a mixed population of people from all strata of the society. However, a significant share of the populations are slum dwellers and daily wage earners/ labourers coming from impoverished background. The Thiruvotriyur Zone comprises people from fishermen community living in hamlets dotting the coastline as well as businesses related to the Sea and to an extent labourer's dependent on port related activities and other similar business ventures. While the impact of the COVID-19 virus has been felt by the community, the effective action of the government in sensitizing the people and the general attitude of following protocols even when the same affected many livelihoods, has helped in containing the spread and to an extent reducing the deaths in comparison to many other developed nations.

Figure 1: Map of Kosasthalaiyar River Sub Basin



17. **Vulnerability to climate disasters.** Located on the highly exposed southeast coast of India, Chennai is low and flat, its average elevation only 6.7 meters above sea level. The city is increasingly exposed to such water-related challenges as cyclones, storm surges, and slow drainage during the wet monsoon. These challenges are exacerbated by climate change, under which intense periods of rainfall occur despite an overall reduction in annual precipitation, and sea level rise projected at 4.6 millimeters per year.²¹ Densely populated low-income communities in the city are highly risk prone and vulnerable to extreme floods. Flooded areas are highly likely to become epidemic hotspots—a risk heightened by the continuing COVID-19

²⁰ The GCC indicated that slum areas occupying 1%–2% of the administrative zone accounted for 15%–20% of all cases in it.

²¹ Asian Development Bank. 2019. *Strategic and Actionable Recommendations for Cuddalore, Thoothukudi, and Chennai*. Manila (TA 9129-IND: Strengthening Smart Water Management and Urban Climate Change Resilience).

epidemic.²² To enhance the city's preparedness to respond to frequent flooding under climate change, Asian Development Bank (ADB) is processing a new \$251 million loan to the GCC for an integrated urban flood management project in the Chennai–Kosasthalaiyar basin.²³ However, in the administrative zones of the GCC in the Chennai–Kosasthalaiyar river basin, there have been more than 34,000 reported cases of COVID-19 and 570 deaths, showing death rates for the urban poor much above state and national averages. Many of the urban poor are more likely to live in substandard housing located alongside water courses and in other low-lying areas, which are vulnerable to the dual risks of flooding and pandemic.

B. Project Description

18. **Expanding WASH services in response to COVID-19.** The main routes of COVID-19 transmission are inhalation and respiratory droplets, and contact occurs directly through person to person (e.g., droplet-hand-face) and indirectly (e.g., droplets-surfaces-hands-face). Hence WASH with physical distancing are central to preventing the spread of COVID-19 and a first line of defense against the serious threat to lives and over burdening the health system. Adequate and sustainable hand washing requires both access to washing facilities and hygiene products (e.g., soap) with appropriate behaviours. Surfaces where the virus could remain viable need immediate environmental cleaning and disinfection practices.

C. Strengthening disaster resilience in response to COVID-19

19. In addition to expanding WASH services, enhancing the city's capacity to reduce vulnerability against future disasters (particularly flood vulnerability) will strengthen its response against the COVID-19 and other pandemics. Among the areas of Chennai which require the improved disaster resilience and COVID-19 response are:

- (i) Schools as Flood Evacuation Centers: GCC managed schools double up as primary rescue centers during floods and other disasters and acted as isolation centers during the ongoing COVID-19 pandemic. The school classes have been closed since March 2020. Enhancement of WASH facilities and hygiene behaviours along with provision and enforcement of IPC arrangements (e.g., physical distancing) in schools is critical to prevent and control epidemics after the reopening and for future out-break. While the bigger ones (Middle Schools and High Schools) are provided with the ability to cater for the longer stays, the Primary schools in many cases are simply used as a staging area before the affected population is shifted to safer and comfortable locations based on existing SOPs that exist in this regard with the GCC Officials.
- (ii) Urban community health centers and primary health centers would be able to handle more patients and reduce the load on critical care centers with improvements in WASH facilities, products, and trainings.
- (iii) Densely populated urban poor areas require systems for early detection of diseases, water quality surveillance, and wastewater- based epidemiology in

²² There are several vulnerable pockets in Thiruvotriyur, Madhavaram, and Ambattur, areas recently added to Chennai that suffered severe flooding in 2015 and COVID-19 infection in 2020.

²³ The project will include structural measures such as constructing roadside storm water drainage networks, rehabilitating primary channels, improving rainwater pumping capacity, and rainwater harvesting. Several nonstructural measures include an early flood warning and forecasting system; gender-sensitive and gender-targeted risk awareness campaigns; building the capacity of GCC staff to manage drainage systems, solid waste, and flood risks; and an incentive system for improving GCC zonal office operation and revenue collection.

- order to reduce the spread of infectious diseases including COVID-19
- (iv) Increased awareness and behavioural change for hygiene and infection prevention with an integrated city disaster and pandemic risk management plan and monitoring tools for operation and maintenance of WASH facilities will help reduce the spread of COVID-19.

D. Scope of Work

20. The scope of work proposed under Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai–Kosasthalaiyar Basin do not involve any major construction work and are divided into 4 major outputs. The scope of work proposed under each output are stated below:

- (i) **Output 1:** WASH services, products, and training strengthened with behavior interventions in 65 schools in flood-prone low-income urban communities: The output includes improving:
- (a) Water supply facility for improving hand hygiene with soap and/or hand sanitizer. Water supply facility for drinking water stations pedal operated or sensor.

Table 1: Description of Items under Output 1 (Component i)

| No. | Description | Quantity |
|-----|---|----------|
| 1 | Foot operated hand wash Sink with elbow operated soap dispenser | 300 |
| 2 | Foot operated drinking water dispensing unit | 300 |
| 3 | Plumbing and Drain work for hand wash facility | 65 |
| 4 | Plumbing and Drain work for drinking water facility | 65 |

Source: Detailed Project Report

- (b) Environmental cleaning through establishing disinfectant schedule, cleaning and disinfecting and providing PPE kits. PPE kits shall be provided to the cleaning and sanitation staff for 1 year. Each school will be provided with two sets of PPE kit per day for one year.

Table 2: Description of Items under Output 1 (Component ii)

| No. | Description | Quantity |
|-----|---|----------|
| 1 | PPE kit for cleaning and sanitation staff | 43,800 |

Source: Detailed Project Report

- (c) Waste management through pedal operated waste collection bin (including that for menstrual hygiene management waste). Under the scope of work privacy room at the girl's toilet will be provided with a pedal operated waste collection bin. The consumables like liners for the bin shall be provided for one year.

Table 3: Description of Items under Output 1 (Component ii)

| No. | Description | Quantity |
|-----|-------------------------------------|----------|
| 1 | Pedal Operated waste collection bin | 30 |
| 2 | Sanitary Napkin dispenser | 30 |

| | | |
|---|--|---------|
| 3 | Sanitary Napkins (consumable) | 142,000 |
| 4 | Liners for waste collection bins (consumables) | 216,00 |
| 5 | Door foot handle | 308 |
| 6 | Vital signs monitor for students | 22 |

Source: Detailed Project Report

- (d) Output 1 tends to provide gender sensitive and inclusive sanitation management to ensure adequate number of toilets including disabled friendly toilets with privacy rooms cleaning and disinfectant supply and onsite elimination of faecal material and wastewater. WASH related works in 65 schools include:
- providing 10 new bore wells and repairing pumps in 2 borewells,
 - providing 49 new toilet rooms and repairing 10 toilet rooms,
 - providing 37 new urinals and repairing 5 urinals,
 - constructing 4 disabled friendly toilets,
 - providing 7 privacy rooms and modifying 19 privacy rooms for girls students; providing 17 new incinerators and repairing 1 incinerator,
 - providing 7 new water storage facilities,
 - providing 104 new hand washing stations,
 - providing 4 new septic tanks and repairing 1 septic tank;
 - providing 18 new RO drinking water units and repairing 6 RO drinking water units and
 - plumbing works for hand wash stations and drinking water in 65 schools.
- (e) Training on sanitation, drinking water points and personal hygiene for students, teachers, non-teaching staffs. This includes Preparing Standard operating procedures (SOP), conducting training programs, preparing material and system for training programs for sanitation, drinking water points, personal hygiene etc., for students, teachers, non-teaching staff. Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.
- (f) Regular behavioral change and health promotion activities on hygiene and infection prevention in schools. This includes creating a system and implementing for recording and monitoring of behavioral change of students, teachers, non-teaching staff. Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue.
- (g) Toilet disinfection practice through enhanced on job training to cleaning staffs during disaster and pandemic. This includes preparing Standard Operating Procedures (SOP), conducting training programs, preparing material and system for training programs for cleaning staffs on for Toilet disinfection practice during disaster and pandemic. Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.

(ii) **Output 2:** COVID-19 IPC and WASH measures strengthened in 17 community health centers in flood-prone low-income urban communities: The output includes:

- (a) Establishing updated IPC plans in health facilities and associated healthcare staff trainings (on patient placement, designation of isolation rooms, safe use of PPE, proper sterilization and disinfection, periodic monitoring etc.
- (b) Ensuring adequate water supply facility for improving hand hygiene with soap and / or hand sanitizer and for foot pedal operated drinking water stations

Table 7: Description of hand wash and drinking water Items under Output 2

| No. | Description | Quantity |
|-----|---|----------|
| 1 | Foot operated hand wash Sink with elbow operated soap dispenser | 85 |
| 2 | Foot operated drinking water dispensing unit | 85 |
| 3 | Plumbing and Drain work for hand wash facility | 17 |
| 4 | Plumbing and Drain work for drinking water facility | 17 |

Source: Detailed Project Report

- (c) Environmental cleaning through establishing disinfection schedule ensuring availability of proper disinfectant and cleaning material, cleaning and disinfecting frequently touched objects, surface etc. Provision of PPE to cleaning staffs. Under the scope of work schedules for disinfectant are established. PPE kits shall be provided to the cleaning and sanitation staff with continuous supply of consumables for one year. Each identified UPHC is provided with two sets of PPE kit per day and cleaning material for one year.

Table 8: Description of Items related to cleaning under Output 2

| No. | Description | Qty |
|-----|---|-------|
| 1 | PPE kit for cleaning and sanitation staff | 11200 |
| 2 | Janitor / Cleaning Cart with 3 mops color coded | 17 |
| 3 | Floor Cleaning Liquids 5L pack | 1020 |
| 4 | Toilet Cleaning liquids 5L pack | 1020 |

Source: Detailed Project Report

- (d) Waste management through color coded waste bins and providing PPE to waste handlers. Under the scope of work UPHC should be provided with color coded pedal operated waste collection bins for various types of waste (color according to the Central Pollution Control Board (CPCB) norms. The liners for the bin shall be provided for 3 months.

Table 9: Description of Items related to waste collection under Output 2

| No. | Description | Quantity |
|-----|--|----------|
| 1 | Pedal Operated waste collection bin Yellow | 68 |
| 2 | Pedal Operated waste collection bin Red | 68 |
| 3 | Pedal Operated waste collection bin Blue | 68 |

| | | |
|----|---|-------|
| 4 | Pedal Operated waste collection bin Black | 68 |
| 5 | Pedal Operated waste collection bin Green / Gray | 68 |
| 6 | Consumables liners for waste collection bins Yellow | 24480 |
| 7 | Consumables liners for waste collection bins Red | 24480 |
| 8 | Consumables liners for waste collection bins Blue | 24480 |
| 9 | Consumables liners for waste collection bins Black | 24480 |
| 10 | Consumables liners for waste collection bins Green / Gray | 24480 |

Source: Detailed Project Report

- (e) Gender sensitive and inclusive sanitation management to ensure adequate no of clean toilet blocks for patients, ensuring availabilities cleaning and disinfection supplies, ensuring sewage holding tanks and /or de-slugging trucks to ensure the sewage is safely managed.
 - Ensuring availability of adequate toilets with toilet bowls and plumbing at all locations.
 - Plumbing and drainage work for hand wash facility
 - Plumbing and drainage work for drinking water facility
 - (f) Toilet disinfection practices through enhancements under on the job training to cleaning staffs during disaster and pandemic.
 - (g) Items related to capacity building in Output 2 This includes Preparing Standard operating procedures (SOP), conducting training programs, preparing material and system for training programs for cleaning staffs on for Toilet disinfection practice during disaster and pandemic. Key personal sand person in charge (will be identified)
 - (h) Awareness campaigns and behaviour change health promotion activities in health centers. This includes Implementing updated IPC plans in health facilities and training the health care staff.Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation
- (iii) **Output 3:** Surveillance systems for COVID-19 and other communicable diseases improved in flood-prone low-income urban communities:
- (a) Establishing mobile medical and Diagnostic units attached to Primary Health Centers.

Table 12: Description of mobile diagnostic labs under Output 3

| No. | Description | Quantity |
|-----|--|----------|
| 1 | Mobile Diagnostic labs for Covid-19 sample collection | 8 nos. |
| 2 | Equipment under the mobile lab | |
| a. | Sample Refrigerator | 8 nos. |
| b. | Transport Box (Passive) | 16 nos. |
| 3 | Communicable diseases diagnostic equipment package for central lab package | |
| a. | Real Time PCR system | 1 no. |
| b. | Automated Nucleic Acid Extraction System | 1 no. |

| | | |
|----|--|--------|
| c. | Immunoassay analyser | 1 no. |
| d. | Laboratory refrigerator (+2°C to +8°C) | 2 nos. |

Source: Detailed Project Report

- (b) Establishing Mobile Water Quality Testing Lab to strengthen the water quality surveillance.

Table 13: Description of mobile water quality labs under Output 3 (Component ii)

| No. | Description | Quantity |
|-----|---|----------|
| 1 | Mobile Water collection & quality testing lab | 4 nos. |
| 2 | Analytical testing equipment and related item, consumables under the mobile Water collection & quality testing labs | |
| a. | PH Meter | 4 nos. |
| b. | Conductivity Cum TDS Meter (Range Up To 2.0 LPPM) | 4 nos. |
| c. | Biological Oxygen Demand (BOD) Incubator | 4 nos. |
| d. | Flame Photometer | 4 nos. |
| e. | Chemical Oxygen Demand (COD) Digester | 4 nos. |
| f. | Turbidity Meter with sensor | 4 nos. |
| g. | Single Pan Electronic Weighing Balance | 4 nos. |
| h. | Sample storage Refrigerator | 4 nos. |
| i. | Transport Box (Passive) | 8 nos. |
| j. | Glass ware (Beakers, Jars, Pipette etc.) | 4 sets |
| k. | Chemicals for water testing (Start-up Consumables-one time supply) | 4 sets |
| 3 | Equipment for central water quality testing lab package to augment the quality test capacity. | |
| a. | Laboratory refrigerator (+2°C to +8°C) | 2 nos. |
| b. | Sample Filtration System with Manifold, Dispenser and Pump | 1 no. |
| c. | Rapid Detection System | 1 no. |

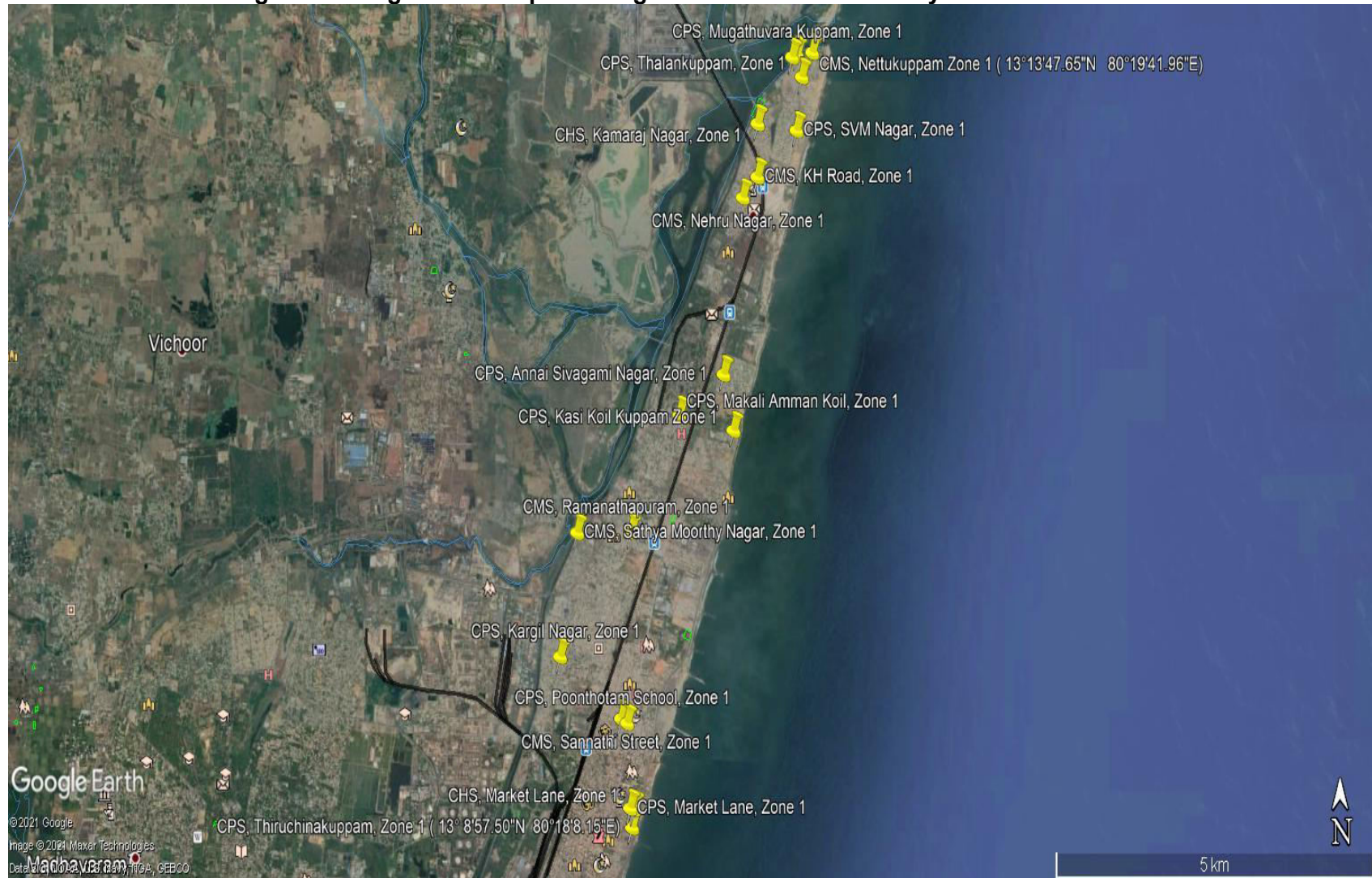
Source: Detailed Project Report

- (iv) **Output 4:** Preparedness for pandemic and flood disaster response enhanced in flood-prone low-income urban communities:
- (a) Developing an integrated flood-related disasters and epidemic response plan with standard operating procedures to targeted communities.
 - (b) Developing a simple system to monitor functionality of WASH and IPC services and operational and maintenance manual in school and health centers. The integrated response plan will include special early warning to the locked down communities to ensure effective evacuation and safety assurance against disasters and prevent panic actions, physical distancing arrangement in rescue centers; prioritization of provisions of WASH to rescue centers and health centers; and its emergency management including appropriate arrangement of health services provided by primary care and critical care facilities.

21. The project components are proposed to be procured using three goods (supply) packages, one civil work package. There will also be a consultancy services package to procure Implementation Support Consultant (ISC) for enhancing IPC.

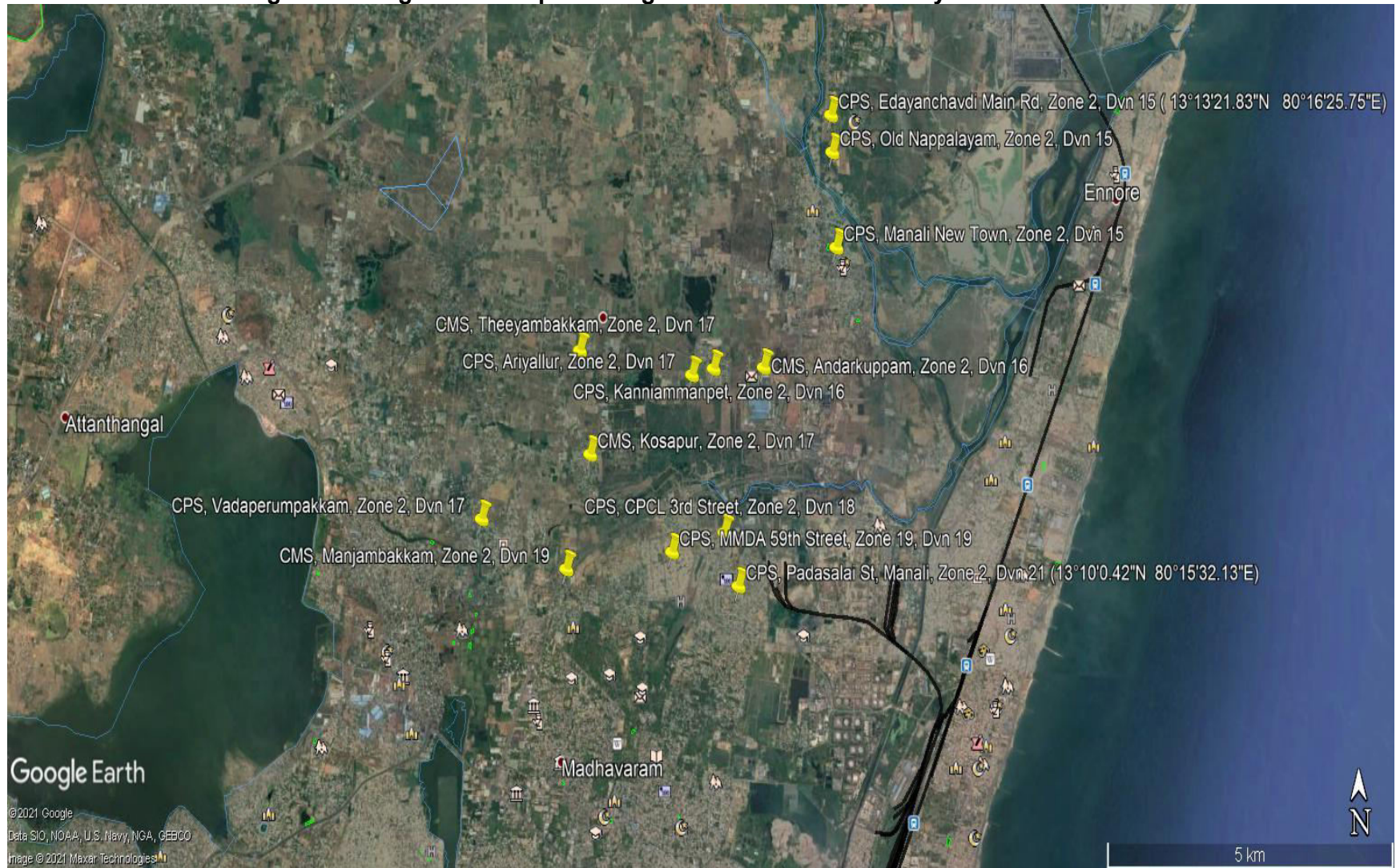
- (i) Goods package 1: procure all equipment and consumables for providing WASH and health care systems in schools and UPHCs.
 - (ii) Good package 2: procure laptop computers and projectors to be supplied to schools and UPHCs for project outcome related uses.
 - (iii) Goods package 3: procure 8 mobile diagnostic labs and 4 mobile water quality monitoring labs including vehicles.
 - (iv) Civil works package: works related to installation of the equipment procured, plumbing for water and sanitation, construction of borewells, construction/modification of toilets and privacy rooms etc.
 - (v) Consultancy package: procure ISC to support implementation of identified targeted interventions in WASH and IPC in schools and UPHCs, to establish a surveillance system for IPC and to prepare an integrated disaster management and pandemic response plan targeting urban poor. Trainings and awareness campaigns targeting behavioral changes is an integral part of the assignment.
22. All the outputs and its components were grouped into four categories such as
- (i) Supply of WASH related items, equipment, kits and consumables
 - (ii) Supply of Lab Vehicles, medical and analytical equipment
 - (iii) Construction (WASH related structures) and supply
 - (iv) Services (training, development and monitoring of SOP and systems for WASH, IPC, disaster management and response plan)
23. Description of the above components under all the outputs is appended in Appendix 1.

Figure 2: Google Earth Map showing locations of GCC Primary Schools of Zone 1



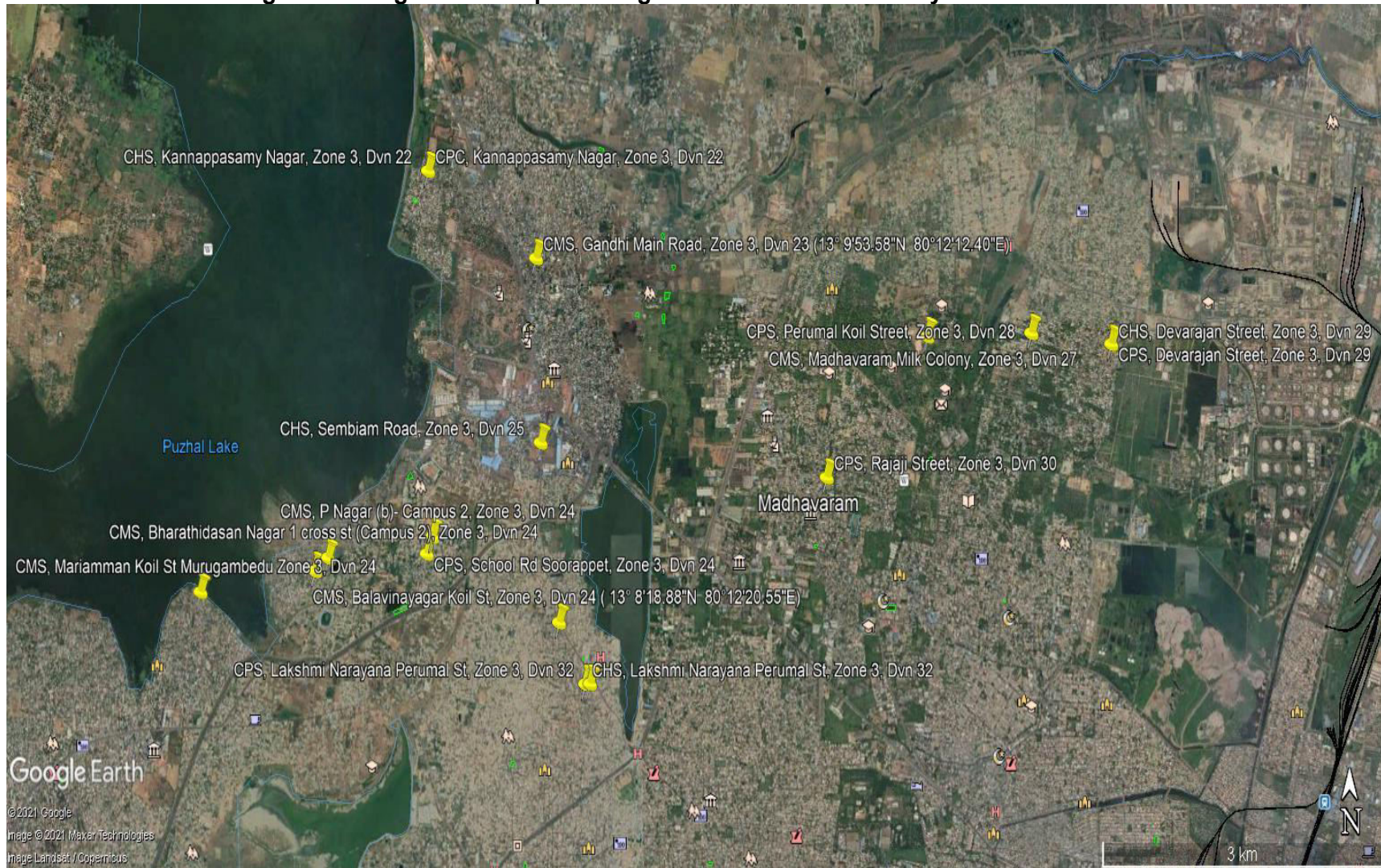
Source: Greater Chennai Corporation (GCC)

Figure 3: Google Earth Map showing locations of GCC Primary Schools of Zone 2



Source: Greater Chennai Corporation (GCC)

Figure 4: Google Earth Map showing locations of GCC Primary Schools of Zone 3



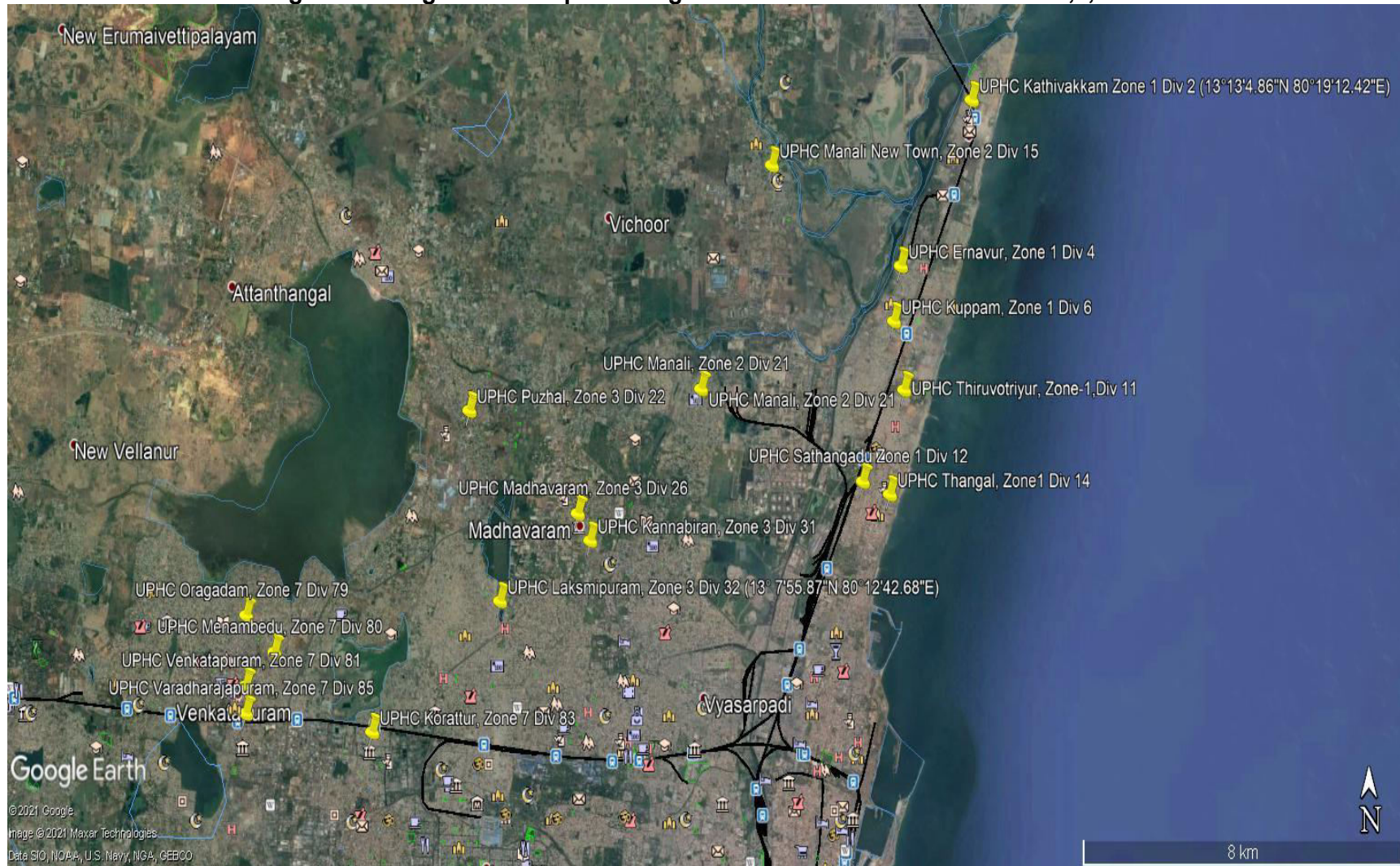
Source: Greater Chennai Corporation (GCC)

Figure 5: Google Earth Map showing locations of GCC Primary Schools of Zone 7



Source: Greater Chennai Corporation (GCC)

Figure 6: Google Earth Map showing locations of GCC UPHC of Zone 1,2,3 & 7



Source: Greater Chennai Corporation (GCC)

III. FIELD WORK AND PUBLIC CONSULTATION

A. Outline of Field Work

24. During DPR preparation stage, field inspections were carried out at the proposed sub - project locations and its adjoining areas. Stakeholder consultations were also conducted following the Covid 19 protocol. Inspections were carried out at the targeted schools and UPHCs in the project areas.

B. Public Consultations

25. Consultations were conducted with key stakeholders (school teachers, parents of school students, students, zonal health officials) in line with the ADB's requirements pertaining to environmental and social considerations. These consultations helped in identifying the felt needs and apprehensions of the school children, teachers related to the project and their priorities. Consultations were held with community people and the Municipal Officials regarding the project activities and outcomes. During consultation it has been mentioned that the construction work will be undertaken in such a way that there will be no harm caused to any person due to project activity.

26. Public consultation meetings were held at various locations. Table 14 provides details of locations where the consultations were conducted, and the number of participants present during the consultation process. All the consultations were carried out in the presence of GCC engineers who also played an effective role in the process by addressing the queries related to technical aspects of the project. Detailed consultation details are provided in Appendix 6.

Table 14: Details of Stakeholder Consultations held in Kosasthalaiyar Basin

| Date | Location | No. of Participants | Key Concerns/Issues |
|--------------|-----------------------------|--|---|
| 2 March 2021 | Amma Malligai, ground floor | Total Participants :10 Female: 5 (50%) Male: 5 (50%) | The zonal health officers (ZHO) are well aware about the project. They were appreciative of the intervention through the project and the measures to be adopted for IPC of COVID-19 and disaster risk for urban poor. The health officers emphasized on Adolescent health, Early pregnancies, UTI/RTI, Personal hygiene, counselling to handle psycho-social issues. It was informed that gender-sensitive and inclusive sanitation management to ensure adequate numbers of clean toilets, including disabled-accessible boys' toilets and girls' toilets with private stalls, cleaning and disinfection supplies will be provided. Trainings would be conducted on personal sanitation habits of students, teachers, and other staff in schools through on the safe management of handwashing stations and drinking water points, personal hygiene, and the enforcement of IPC methods such as physical distancing. The ZHOs mentioned that for successful execution of the project certain factors like inter departmental strong coordination, proper monitoring, maintenance of the assets created and above all awareness drive and meaningful consultations with are the pillars of the project. |

| | | | |
|--------------|--|--|--|
| 3 March 2021 | Ambattur Malligai, Municipal Ambattur Municipal higher secondary school, Chavadist, Chennai-80 | Total Participants: 19 Female: 17 (89%) Male: 2 (11%) | The Head Mistress and the teachers pointed out that there are no provisions for differently abled students, insufficient staff toilet, cleaning of toilets needs to be done throughout the school hours, dustbins in toilet areas, etc. It was communicated to the teachers and parents group that for major issues associated with construction related activities like creation of new classrooms, structural maintenance, safety and security of common property resources within the school campus during holidays etc. will be communicated to the officials of GCC. It was mentioned that the proposed project would include provision of renovation and creation of new bio friendly toilets for students, water supply system to be upgraded, adequate hand was facilities with sanitizers and soaps will be provided and awareness on personal hygiene of students including menstrual hygiene. |
| 3 March 2021 | Ambattur Malligai, Municipal Ambattur Municipal high school, Kamarajapuram | Total Participants: 25 Male: 12 (48%) Female: 13 (52%) | The schools have toilet maintenance and adequacy related issues, which are in a poor state of maintenance. It was mentioned that renovation and creation of new bio friendly toilets has been planned, and water supply system will be upgraded as per plan. |

27. Three consultations were held at different locations including two schools run by GCC and at Zonal Health Office (ZHO). Parents, teachers and students expressed their concern regarding existing school infrastructure including toilets, hand washing facilities, poor drainage system, poor quality of drinking water etc. They were explained in detail regarding the proposed interventions under the grant linked to the ADB project. All the participants confirmed their extended support for the success of the project. Requirement of further consultations after opening of the schools was confirmed by all the participants. Total 52 people have been consulted among which 35 (67%) were female.

IV. LAND AVAILABILITY

28. The scope of work proposed under Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai–Kosasthalaiyar Basin does not involve any major construction work. There is no land acquisition requirement, as all the components proposed under the said project are going to be implemented within 65 schools and 17 urban primary health centers (UPHCs) premises in flood-prone low-income urban communities in four zones -Thiruvottiyur, Manali, Madhavaram and Ambattur. All the schools and UPHCs proposed for improvement of WASH facilities as COVID-19 pandemic spreading prevention measures are vested with Greater Chennai Corporation. The primary schools are run by the Education Department of GCC and the health centers are administered by the health department of GCC.

29. Based on proposed design, site inspections during DPR preparation stage that confirmed that no non-titled users are present at the locations and consultations with the project personnel it is confirmed that none of the above-mentioned components (as stated in Chapter II of this report) will cause any involuntary resettlement impacts. Detailed scope of work along with construction activities at school locations is provided in Appendix 2. The self-certification letter on land ownership / right to use provided by the Commissioner, Greater Chennai Corporation is provided in Appendix 5.

Table 15: Involuntary Resettlement Impact Table

| Type of Construction / Repair work proposed | Ownership | Land Requirement | IR Impact |
|---|---|---|--|
| New / additional borewell for water supply | All the proposed components are within the existing Schools / Health Centers premises under the ownership of Greater Chennai Corporation (Appendix 5) | No additional land is required as all the work proposed for construction / repairs are within the compound of the School / Health Centre premises owned by GCC (Appendix 5) | No land acquisition or involuntary resettlement impact involving physical or economic displacement is anticipated. All schools are closed at present due to the Covid 19 situation and the project will ensure that civil works are completed before reopening of schools, to avoid temporary disruption of academic activities. All schools and health centers are owned by Corporation and there are no informal users in these premises; no involuntary resettlement impacts are anticipated. |
| Repairing motor pump for bore well | | | |
| Construction of Disabled friendly toilets | | | |
| Construction of privacy room | | | |
| New Incinerator | | | |
| Separate Water storage for Toilets and hand wash | | | |
| New / Repair Toilet Construction | | | |
| New / Repair Urinal Construction | | | |
| New precast Hand wash | | | |
| Concealing / Repairing the water & sewage pipeline | | | |
| New / Repairing the sewage sump | | | |
| Repairing toilet doors | | | |
| Plumbing and Drain work for hand wash facility | | | |
| Plumbing and Drain work for drinking water facility | | | |
| New / Repair RO Water System | | | |

Source: Detailed Project Report

V. CONCLUSION

A. Summary and Conclusion

30. The components under proposed 'Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai–Kosasthalaiyar Basin' project will not trigger any involuntary resettlement and land acquisition impact. No major construction work is proposed under the said project. All the proposed works considered can be classified under four categories: (i) supply of WASH related items, equipment, kits and consumables, ii) supply of lab vehicles, medical and analytical equipment, iii) construction of WASH related structures, iv) services (training, development and monitoring

of standard operation practice (SOP) and systems for WASH, IPC, disaster management and response plan). For the minor civil works proposed, no land acquisition is anticipated. All the components proposed under the said project are proposed to be implemented in 65 schools and 17 community health centers of Greater Chennai Corporation and none have informal users within the premises. All the schools and UPHCs proposed for improvement of WASH facilities in view of covid-19 pandemic are vested with Greater Chennai Corporation. It is recommended that all construction work proposed for 65 primary schools be carried out before reopening of the schools, to avoid/minimize any disruption to the schools' activities.

B. Next Steps

31. The Due Diligence Report needs to be updated with the following information prior to award of contract:

- (i) Consultations to be carried out at each of the work sites with the users and surrounding residents and the minutes of meetings appended to the DDR along with consultation photographs and signature sheets.
- (ii) Google Earth maps clearly depicting each site and its surrounding land uses to be appended to the DDR.
- (iii) List of schools with sex-disaggregated child enrolment data is provided for 61 schools. Enrollment data for all 65 schools to be included, so that information presented is complete.
- (iv) Appendix 8 to be updated with site photographs within each of the 65 schools and 17 UPHCs considered under the project.

PHOTOGALLERY



**Foot operated hand wash Sink with elbow
operated soap dispenser**



**Foot operated drinking water
dispensing unit**



**Pedal Operated waste collection bin Green /
Grey**



**Janitor / Cleaning Cart with 3 mobs color
coded**



Reverse Osmosis Water Purifier (School)



Girls' Toilet (School)



Boys' Toilet (School)



Hand Wash Area (School)



Hand wash facility in Primary Health Centers

DESCRIPTION OF PROPOSED COMPONENTS

| 1. Supply of WASH related items, equipment, kits and consumables | | |
|--|---|--------|
| No. | Description | Qty |
| 1 | Foot operated hand wash Sink with elbow operated soap dispenser | 385 |
| 2 | Foot operated drinking water dispensing unit | 385 |
| 3 | PPE kit for cleaning and sanitation staff | 55000 |
| 4 | Pedal Operated waste collection bin Green / Grey | 30 |
| 5 | Sanitary pads | 142000 |
| 6 | Pad dispenser | 30 |
| 7 | Consumables liners for waste collection bins | 21600 |
| 8 | Janitor/Cleaning Cart with 3 mobs color coded | 17 |
| 9 | Floor Cleaning Liquids 5L pack | 1020 |
| 10 | Toilet Cleaning liquids 5L pack | 1020 |
| 11 | Pedal Operated waste collection bin Yellow | 68 |
| 12 | Pedal Operated waste collection bin Red | 68 |
| 13 | Pedal Operated waste collection bin Blue | 68 |
| 14 | Pedal Operated waste collection bin Black | 68 |
| 15 | Pedal Operated waste collection bin Green / Gray | 68 |
| 16 | Consumables liners for waste collection bins Yellow | 24480 |
| 17 | Consumables liners for waste collection bins Red | 24480 |
| 18 | Consumables liners for waste collection bins Blue | 24480 |
| 19 | Consumables liners for waste collection bins Black | 24480 |
| 20 | Consumables liners for waste collection bins Green / Gray | 24480 |
| 21 | Projector | 77 |
| 22 | Laptop | 77 |
| 23 | Projector screen | 77 |
| 24 | Door foot handle | 308 |
| 25 | Vital Sign for Students | 22 |

Source: Detailed Project Report

| 2. Supply of Lab Vehicles, medical and analytical equipment | | |
|--|---|------------|
| No. | Description | Qty |
| 1 | Mobile Diagnostic labs for Covid-19 sample collection | 08 nos. |
| 2 | Equipment under the mobile lab | |
| a. | Sample Refrigerator | 08 nos. |
| b. | Transport Box (Passive) | 16 nos. |
| 3 | Communicable diseases diagnostic equipment package for central lab | |
| a. | Real Time PCR system | 01 no. |
| b. | Automated Nucleic Acid Extraction System | 01 no. |
| c. | Immunoassay analyser | 01 no. |
| d. | Laboratory refrigerator (+2°C to +8°C) | 02 nos. |
| e. | Ultra-Low Temperature Freezer (-70°C) | 02 nos. |
| 4 | Providing infrastructure for additional equipment such as lab benches, electrical works | Lumpsum |
| 5 | Mobile Water collection & quality testing lab | 04 nos. |
| 6 | Analytical testing equipment and related item, consumables under the mobile Water collection & quality testing labs | |
| a. | pH Meter | 04 nos. |
| b. | Conductivity Cum TDS Meter (Range Up To 2.0L PPM) | 04 nos. |
| c. | Biological Oxygen Demand (BOD) Incubator | 04 nos. |
| d. | Flame Photometer | 04 nos. |
| e. | Chemical Oxygen Demand (COD) Digester | 04 nos. |
| f. | Turbidity Meter with sensor | 04 nos. |
| g. | Single Pan Electronic Weighing Balance | 04 nos. |
| h. | Sample storage Refrigerator | 04 nos. |
| i. | Transport Box (Passive) | 08 nos. |
| j. | Glassware (Beakers, Jars, Pipette etc.) | 04 sets |
| k. | Chemicals for water testing (Start-up Consumables-one-time supply) | 04 sets |

| | | |
|----|---|---------|
| 7 | Sample storage equipment for central water quality testing lab package | |
| a. | Laboratory refrigerator (+2°C to +8°C) | 02 nos. |
| b. | Sample Filtration System with Manifold, Dispenser and Pump | 01 no. |
| c. | Rapid Detection System | 01 no. |
| d. | Biological Oxygen Demand (BOD) Incubator (250 to 300L) | 01 no. |
| e. | Dry Bath Incubator | 01 no. |
| f. | Micro Centrifuge | 01 no. |
| g. | Water bath | 01 no. |
| h. | Bio safety Cabinet class II | 01 no. |
| i. | Providing infrastructure for additional equipment such as lab benches, electrical works | Lumpsum |

| 3. Construction (WASH related structures) and supply | | |
|--|---|--------------------|
| No. | Construction/repair Work | Location |
| 1 | New/ additional bore well for water supply | Selected locations |
| 2 | Construction of Disabled Toilets | Selected locations |
| 3 | Construction of privacy room | Selected locations |
| 4 | Separate Water storage for Toilets and hand wash | Selected locations |
| 5 | Concealing / repairing water pipelines | Selected locations |
| 6 | Concealing/ Repairing the sewage pipeline | Selected locations |
| 7 | Repairing the sewage sump | Selected locations |
| 8 | Repairing motor pump for bore well | Selected locations |
| 9 | Relocating motor to secure location | Selected locations |
| 10 | Repairing toilet doors | Selected locations |
| 11 | Relaying of tiling on floor | Selected locations |
| 12 | Relaying of tiling on wall | Selected locations |
| 13 | Removing open water tanks | Selected locations |
| 14 | Plumbing and Drain work for hand wash facility | All locations |
| 15 | Plumbing and Drain work for drinking water facility | All locations |

Source: Detailed Project Report

| 4. Services (training, development and monitoring of SOP and systems for WASH, IPC, disaster management and response plan) | |
|---|--|
| No. | Description |
| 1 | <p>Preparing Standard operating procedures (SOP), conducting training programs, preparing material and system for training programs for sanitation, drinking water points, personal hygiene etc. For students, teachers, non-teaching staff.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 2 | <p>Creating a system and implementing for recording and monitoring of behavioral change of students, teachers, non-teaching staff.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 3 | <p>Preparing Standard operating procedures (SOP), conducting training programs, preparing material and system for training programs for cleaning staffs on for Toilet disinfection practice during disaster and pandemic.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 4 | <p>Implementing updated IPC plans in health facilities and training the health care staff.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 5 | <p>Preparing Standard operating procedures (SOP), conducting training programs, preparing material and system for training programs for cleaning staffs on for Toilet disinfection practice during disaster and pandemic.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 6 | <p>Implementing a behavior change awareness campaign.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 7 | <p>Developing an integrated flood-related disasters and epidemic response plan with standard operating procedures to targeted communities.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |
| 8 | <p>Developing a simple system to monitor functionality of WASH and IPC services and operational and maintenance manual in school and health centers.</p> <p>Key personals and person in charge (will be identified by GCC) of the end-user should be trained to continue implementation.</p> |

SCHOOLS WISE LIST OF PROPOSED CONSTRUCTION WORK

| S. I. No | Zone | Dv n | Name | Location | Coordinate s (as per Google maps) | New / additional bore well for water supply | Repairing motor pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|----------|------|------|------|----------------------|--------------------------------------|---|------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| 1 | 1 | 01 | CMS | Nettukuppam | 13.229902, 80.328321 | | | | mod | 1 (new) | | 2 (new) | | | | | | 1 (new) | 1 (new) | |
| 2 | 1 | 01 | CP S | Ennorkuppam | 13.229711, 80.326139 | | | | | | | | | | LS (Repair) | | | 1 (new) | 1 (new) | |
| 3 | 1 | 01 | CP S | Mugathuvara Kuppam | 13.229438, 80.325415 | | | | | | | | LS (Repair) | | | | | 1 (new) | 1 (new) | |
| 4 | 1 | 01 | CP S | Thalankuppam | 13.227359, 80.326805 | | | | | | | LS (Repair) | LS (Repair) | | | | | 1 (new) | 1 (new) | |
| 5 | 1 | 01 | CP S | SVM Nagar | 13.221802, 80.326052 | | | | mod | | | | | | LS (Repair) | | | 1 (new) | 1 (new) | LS (Repair) |
| 6 | 1 | 01 | CP S | Kamaraj Nagar | 13.222504, 80.320433 | | | | | | | | | | | LS (Repair) | | 1 (new) | 1 (new) | 1 (new) |
| 7 | 1 | 02 | CMS | KH Road | 13.216964, 80.320402 | | | | mod | | | 2 (new) | 2 (new) | | | | | 1 (new) | 1 (new) | 1 (new) |
| 8 | 1 | 02 | CMS | Nehru Nagar | 13.214813, 80.318274 | 1 (new) | | 1 (new) | 1 (new) | 1 (new) | 1 (new) | 4 (new) 4 (Repair) | 4 (new) 4 (Repair) | 2 x 4 points | LS (Repair) | 1 (new) | LS (Repair) | 1 (new) | 1 (new) | |
| 9 | 1 | 03 | CP S | Annai Sivagami Nagar | 13.196423, 80.315498 | | | | mod | | | | | | | | | 1 (new) | 1 (new) | |
| 10 | 1 | 03 | CP S | Kasi Koil Kuppam | 13.190599, 80.316945 | | | | | | | 2 (new) | | | | | | 1 (new) | 1 (new) | |

| S.I. No | Zone | Dv n | Name | Location | Coordinates (as per Google maps) | New / additional bore well for water supply | Repairing motor or pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|---------|------|------|------|----------------------|----------------------------------|---|---------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| | | | | | | | | | | | | | | | | | |) |) | |
| 11 | 1 | 04 | CMS | Ramanathapuram | 13.180005, 80.302110 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 12 | 1 | 04 | CP S | Makali Amman Koil | 13.192227, 80.309124 | | LS (Repair) | | | | | | | 2 x 4 points | LS (Repair) | | | 1 (new) | 1 (new) | LS (Repair) |
| 13 | 1 | 06 | CMS | Sathya Moorthy Nagar | 13.179975, 80.294339 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 14 | 1 | 07 | CP S | Kargil Nagar | 13.167081, 80.291877 | | | | | | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 15 | 1 | 10 | CMS | Sannathi Street | 13.160627, 80.300696 | | | | | | | 2 (new) | | | | | | 1 (new) | 1 (new) | |
| 16 | 1 | 10 | CP S | Poonthotam School | 13.160173, 80.301556 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 17 | 1 | 11 | CP S | Market Lane | 13.151319, 80.302001 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 18 | 1 | 11 | CHS | Market Lane | 13.151196, 80.302587 | 1 (new) | | | 1 (new) | 1 (new) | 1 (new) | 4 (Repair) | 4 (Repair) | 2 x 4 points | LS (Repair) | 1 (new) | | 1 (new) | 1 (new) | LS (Repair) |
| 19 | 1 | 14 | CP S | Thiruchinakuppam | 13.149305, 80.302264 | | | | | | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 20 | 2 | 15 | CP S | Edayanchavdi Main | 13.222730, 80.273819 | | | | | | | | | | | | | 1 (new) | 1 (new) | 1 (new) |

| S.I. No | Zone | Dvn | Name | Location | Coordinates (as per Google maps) | New / additional bore well for water supply | Repairing motor or pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|---------|------|-----|------|------------------|----------------------------------|---|---------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| | | | | Rd | | | | | | | | | | | | | |) |) | w S) |
| 21 | 2 | 15 | CP S | Old Nappalayam | 13.218321, 80.274027 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 22 | 2 | 15 | CP S | Manali New Town | 13.207012, 80.274671 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 23 | 2 | 16 | CMS | Kanniamanpet | 13.192616, 80.254927 | | | | | | | | | 2 x 4 points | | | | 1 (new) | 1 (new) | 1 (new L) |
| 24 | 2 | 16 | CMS | Andarkupam | 13.192761, 80.262993 | | | | mod | | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 25 | 2 | 17 | CP S | Ariyallur | 13.191868, 80.251448 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 26 | 2 | 17 | CMS | Kosapur | 13.182444, 80.235064 | | | | mod | 1 (new) | | | | | | | | 1 (new) | 1 (new) | |
| 27 | 2 | 17 | CMS | Theeyambakkam | 13.194788, 80.233418 | | | | mod | 1 (new) | 1 (new) | 2 (new) | | 2 x 4 points | | | | 1 (new) | 1 (new) | 1 (new L) |
| 28 | 2 | 17 | CP S | Vadaperumppakkam | 13.174765, 80.217611 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 29 | 2 | 18 | CP S | CPCL 3rd Street | 13.173137, 80.256656 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 30 | 2 | 19 | CMS | MMDA 59th Street | 13.170836, 80.248226 | 1 (new) | | | mod | 1 (new) | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | LS (Repair) |

| S I. No | Zone | D v n | Na me | Location | Coordinate s (as per Google maps) | New / addit ional bore well for water supply | Rep airin g mot or pum p for bore well | Constr uction of Disabl ed Toilets | Constr uction of privac y room | New Incin erato r | Sep arate Water stor age for Toilets and hand was h | New / Repair Toilet Constr uction | New / Repair Urinal Constr uction | Ne w pre cast Hand wash | Conc ealin g / Repai ring the water & sewa ge pipeli ne | New / Rep airin g the sewa ge sum p | Rep airin g toilet door s | Plu mbin g and Drai n work for hand was h facilit y | Plu mbin g and Drai n work for drin king water facilit y | Ne w / Rep air RO Water Sys tem |
|---------|------|-------|-------|--|-----------------------------------|--|--|------------------------------------|--------------------------------|-------------------|---|-----------------------------------|-----------------------------------|-------------------------|---|-------------------------------------|---------------------------|---|--|---------------------------------|
| | | | | | | | | | | | | | | nts | | | | | |) |
| 31 | 2 | 19 | CMS | Manjambakkam | 13.168813, 80.231227 | | LS (Repair) | | mod | 1 (new) | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 32 | 2 | 21 | CP S | Padasalai St, Manali | 13.166783, 80.258926 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 33 | 3 | 22 | CP S | Kannappa samy Nagar | 13.171198, 80.192818 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 34 | 3 | 22 | CH S | Kannappa samy Nagar | 13.171198, 80.192818 | 1 (new) | | | mod | | 1 (new) | 4 (new) 4 (New) | 4 (new) 4 (New) | 2 x 4 points | | 1 (new) | | 1 (new) | 1 (new) | |
| 35 | 3 | 23 | CMS | Gandhi Main Raod | 13.164884, 80.203445 | | | | mod | 1 (new) | | | | | | | | 1 (new) | 1 (new) | |
| 36 | 3 | 24 | CP S | School Rd Soorappe t | 13.143534, 80.192688 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 37 | 3 | 24 | CMS | JP Nagar (b)- Campus 2 | 13.144767, 80.193246 | | | | mod | | | | | | | | | 1 (new) | 1 (new) | |
| 38 | 3 | 24 | CMS | Bharathidasan Nagar 6th st | 13.142297, 80.181720 | | | | mod | 1 (new) | | | | | | | | 1 (new) | 1 (new) | |
| 39 | 3 | 24 | CMS | Bharathidasan Nagar 1 cross st (Campus | 13.143249, 80.183006 | | | | mod | 1 (new) | | | | | | | | 1 (new) | 1 (new) | |

| S.I. No | Zone | Dv n | Name | Location | Coordinates (as per Google maps) | New / additional bore well for water supply | Repairing motor pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|---------|------|------|------|--------------------------------|----------------------------------|---|------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| | | | | 2) | | | | | | | | | | | | | | | | |
| 40 | 3 | 24 | CMS | Mariamman Koil St Murugam bedu | 13.140777, 80.170447 | | | | mod | 1 (new) | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 41 | 3 | 24 | CP S | Balavinayar Koil St | 13.138578, 80.205708 | | | | | | | | | | | | LS (Repair) | 1 (new) | 1 (new) | |
| 42 | 3 | 25 | CH S | Sembiam Road | 13.151564, 80.203896 | | | | mod | | | | | | LS (Repair) | | | 1 (new) | 1 (new) | |
| 43 | 3 | 27 | CMS | Madhavaram Milk Colony | 13.159244, 80.241959 | | | 1 (new) | mod | 1 (new) | | | | | | | | 1 (new) | 1 (new) | |
| 44 | 3 | 28 | CP S | Perumal Koil Street | 13.159483, 80.252166 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 45 | 3 | 29 | CH S | Devarajan Street | 13.158589, 80.260035 | | | | 2 x mod | 2 (new) | | 2 (new) | 2 (new) | 2 x 4 points | | | | 1 (new) | 1 (new) | |
| 45A | 3 | 29 | CP S | Devarajan Street | 13.158695, 80.260036 | 1 (new) | | | | | | | | 1 x 4 points | | | | 1 (new) | 1 (new) | |
| 46 | 3 | 30 | CP S | Rajaji Street | 13.149049, 80.232029 | | | LS (Repair) | | | | | | | | | | 1 (new) | 1 (new) | 1 (new) |
| 47 | 3 | 32 | CH S | Lakshmi Narayana Perumal St | 13.134127, 80.208273 | | | | mod | | | | | | | | | 1 (new) | 1 (new) | |

| S.I. No | Zone | Dvn | Name | Location | Coordinates (as per Google maps) | New / additional bore well for water supply | Repairing motor pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|---------|------|-----|------|---------------------------------|--|---|------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| 48 | 3 | 32 | CP S | Lakshmi Narayana Perumal St | 13.134156, 80.208750 | | | | | | | 2 (new) | | | | | | 1 (new) | 1 (new) | |
| 49 | 7 | 79 | CMS | Gandhi Main Road Oragadam | 13.133491, 80.153506 | 1 (new) | | | mod | 1 (new) | | | | 2 x 4 points | LS (Repair) | | | 1 (new) | 1 (new) | 1 (new L) |
| 50 | 7 | 80 | CP S | Chidu Oragadam | 13.123581, 80.160450 | | | | | | 1 (new) | | | 1 x 4 points | LS (Repair) | | | 1 (new) | 1 (new) | 1 (new S) |
| 51 | 7 | 81 | CHS | Chozhapuram | 13.123566, 80.144513 | | | | mod | | | 4 (new) | 4 (new) | | | | | 1 (new) | 1 (new) | |
| 52 | 7 | 81 | CP S | Cholapuram | 13.121909, 80.144040 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 53 | 7 | 81 | CP S | Kalyanapuram | 13.115404, 80.157482 | | | | | | | | | | | | | 1 (new) | 1 (new) | 1 (new S) |
| 54 | 7 | 82 | CMS | CHS+CP S Padasalai, Kallikuppam | 13.133121, 80.170254 13.133321, 80.170597 | 1 (new) | | | | | | 4 (new) | 4 (new) | 1 x 4 points | LS (Repair) | 1 (new) | | 1 (new) | 1 (new) | LS (Repair) |
| 55 | 7 | 83 | CP S | NRS road, Agraharam | 13.114936, 80.185697 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 56 | 7 | 83 | CHS | NRS road, Agraharam | 13.118951, 80.186361 | | | | 1 (new) | 1 (new) | | | | | | | | 1 (new) | 1 (new) | 1 (new L) |

| S.I. No | Zone | Dvn | Name | Location | Coordinates (as per Google maps) | New / additional bore well for water supply | Repairing motor or pump for bore well | Construction of Disabled Toilets | Construction of privacy room | New Incinerator | Separate Water storage for Toilets and hand wash | New / Repair Toilet Construction | New / Repair Urinal Construction | New precast Hand wash | Concealing / Repairing the water & sewage pipeline | New / Repairing the sewage sump | Repairing toilet doors | Plumbing and Drain work for hand wash facility | Plumbing and Drain work for drinking water facility | New / Repair RO Water System |
|---------|------|-----|-------|---------------------------------|----------------------------------|---|---------------------------------------|----------------------------------|------------------------------|-----------------|--|----------------------------------|----------------------------------|-----------------------|--|---------------------------------|------------------------|--|---|------------------------------|
| 57 | 7 | 84 | CP S | Chavadi street | 13.102642, 80.181709 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 58 | 7 | 84 | CH SS | Chavadi street | 13.102642, 80.181709 | 1 (new) | | | 1 (new) | 1 (new) | 2 (new) | 2 (new) | 2 (new) | 2 x 4 points | | | | 1 (new) | 1 (new) | LS (Repair) |
| 59 | 7 | 84 | CMS | Patravakkam | 13.106275, 80.169360 | | | | mod | 1 (repair) | | | | | | | | 1 (new) | 1 (new) | |
| 60 | 7 | 85 | CP S | Varadharajapuram | 13.111766, 80.153114 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 61 | 7 | 85 | CMS | Managala puram | 13.101236, 80.167665 | | | 1 (new) | 1 (new) | | | 2 (new) | 2 (new) | | | | | 1 (new) | 1 (new) | |
| 62 | 7 | 85 | CP S | Ramapuram | 13.109124, 80.154112 | | | | | | | | | | | | | 1 (new) | 1 (new) | 1 (new S) |
| 63 | 7 | 85 | CP S | Teachers Colony | 13.109961, 80.148846 | | | | | | | LS (Repair) | LS (Repair) | | | | | 1 (new) | 1 (new) | 1 (new S) |
| 64 | 7 | 85 | CP S | Kamarajapuram (Ambedkar Street) | 13.105264, 80.154438 | | | | | | | | | | | | | 1 (new) | 1 (new) | |
| 65 | 7 | 85 | CH S | Kamarajapuram, (Jeeva Street) | 13.105253, 80.153191 | 1 (new) | | | 1 (new) | 1 (new) | | 2 (new) | | | | | | 1 (new) | 1 (new) | 1 (new L) |

Source: Detailed Project Report

CHS = Corporation High School; CHSS = Corporation Higher Secondary School; CMS = Corporation Middle School; CPS = Corporation Primary School.

LIST OF URBAN PRIMARY HEALTH CENTRE (UPHC) AT ZONE 1, 2, 3 AND 7

| S. No | Zone | Division | Name | Location |
|--------------|-------------|-----------------|-------------|-----------------------|
| 1 | 1 | 2 | UPHC | Kathivakkam UPHC |
| 2 | 1 | 4 | UPHC | Ernavoor UPHC |
| 3 | 1 | 6 | UPHC | Kuppam UPHC |
| 4 | 1 | 11 | UPHC | Thiruvottiyur UPHC |
| 5 | 1 | 12 | UPHC | Sathangadu UPHC |
| 6 | 1 | 14 | UPHC | Thangal UPHC |
| 7 | 2 | 15 | UPHC | Mannali New Town UPHC |
| 8 | 2 | 21 | UPHC | Mannali UPHC |
| 9 | 3 | 22 | UPHC | Puzhal UPHC |
| 10 | 3 | 26 | UPHC | Madhavaram UPHC |
| 11 | 3 | 31 | UPHC | Kannabiran UPHC |
| 12 | 3 | 32 | UPHC | Lakshmipuram UPHC |
| 13 | 7 | 79 | UPHC | Oragadam UPHC |
| 14 | 7 | 80 | UPHC | Meenabedu UPHC |
| 15 | 7 | 81 | UPHC | Venkatapuram UPHC |
| 16 | 7 | 83 | UPHC | Korattur UPHC |
| 17 | 7 | 85 | UPHC | Varadharajapuram UPHC |

Source: Detailed Project Report

GCC – URBAN PRIMARY HEALTH CENTRE WISE SLUM POPULATION DETAILS

| S. No. | Name of the Zone | Division | Name of UPHC | Estimated Slum Population in catchment area of UPHC |
|--------|-------------------------|----------|----------------------|---|
| 1 | Thiruvotriyur, Zone - I | 2 | KATHIVAKKAM | 40,594 |
| 2 | | 4 | ERNAVOOR | 30,460 |
| 3 | | 6 | KUPPAM | 21,801 |
| 4 | | 11 | THIRUVOTTIYUR | 4,739 |
| 5 | | 12 | SATHANGADU | 8,785 |
| 6 | | 14 | THANGAL | 26,215 |
| 7 | Manali, Zone -2 | 15 | Manali new town UPHC | 40 |
| 8 | | 21 | Manali UPHC | 256 |
| 9 | Madhavaram, Zone-3 | 26 | Madhavaram UPHC | 23,954 |
| 10 | | 31 | Kannabiran UPHC | 20,467 |
| 11 | | 22 | Puzhal | 3,265 |
| 12 | | 32 | Lakshmipuram UPHC | 13,038 |
| 13 | Ambattur, Zone 7 | 79 | ORAGADAM | 24,288 |
| 14 | | 80 | MENAMBEDU | 8,132 |
| 15 | | 81 | Venkatapuram | 4,320 |
| 16 | | 83 | KORATTUR | 15,452 |
| 17 | | 85 | Varadarajapuram | 7,671 |
| | | | Total | 253,477 |

Source: Greater Chennai Corporation (GCC)

Note: The above table provides details of the slum population living in the vicinity of the 17 UPHCs where interventions are proposed under the JFPR grant. The clientele served by the UPHCs largely comprises residents of these slums.

SELF-CERTIFICATION BY THE COMMISSIONER, GREATER CHENNAI CORPORATION FOR OWNERSHIP OF 61 PRIMARY SCHOOLS AND 17 URBAN PRIMARY HEALTH

| | |
|--|--|
| From The Commissioner, Greater Chennai Corporation, Ripon Building, Chennai – 600 003. | To Mr.Akira Matsunaga, Senior Urban Development Specialist, Asian Development Bank, Manila, Phillippines. |
|--|--|

S.W.D.C.No./ Spl /2021

Date: 15.02.2021

Sub: Greater Chennai Corporation – Storm Water Department
– Construction of Integrated Storm Water Drain in
Kosasthaliyar Basin under ADB funding – JFPR Grant
by ADB for providing Wash facilities in Greater Chennai
Corporation Schools and Community Health Centre-
Ownership of Schools and Hospitals - Certificate
requested by ADB – Regarding.

Ref: AID Memoire of ADB dated 29th October 2020
to 12th November 2020

In the reference cited ADB has informed that JFPR grant of
RS. 14.96 crore (US \$ 2 Million) will be given to improve Wash facilities in
the Schools and Community Health Centre in the lieu of Covid-19
pandemic covid relief measures and also to create awareness among
School Children.

The Greater Chennai Corporation has submitted the proposals for
the JFPR Project Grant (COVID-19 window) for Infection Prevention and
Control of COVID-19 through Wash Services improvement for Integrated
pandemic and disaster risk management for the Urban poor in Chennai for
an estimate amount of Rs. 14.96 Crore

This was approved in the screening committee meeting of DEA
held on 29.01.2021. In the meanwhile the ADB has requested to provide
the ownership certificate of all the Schools and Community Health centre
that are covered in this JFPR grant.

In this connection it is certified that all the Schools and UPHC's
proposed for improvement Wash of facilities in the lieu of covid-19
pandemic covid relief measures are vested with Greater Chennai
Corporation only.



Sd.....16/02/2021
Commissioner



A. J. / 16/02/21
Superintending Engineer
Storm Water Drain Department

Scanned with CamScanner



CENTERS WITHIN THE PROJECT AREA.



DETAILS OF PUBLIC CONSULTATION PROGRAM

A. Consultation meeting with Zonal Health Officials at Greater Chennai Corporation



| Date & Location | No. of Participants | Topics/Concerns / Issues discussed | Issues Addressed | Photographs |
|---|---|---|--|--|
| 02.03.21 Amma Malligai, ground floor | Total Participants: 10 Female: 5 (50%) Male: 10 (50%) | <ul style="list-style-type: none"> The consultation was carried out by Social Safeguard Specialist, Additional Executive Engineer, and facilitated by City Health Officer The meeting was held maintaining all health and safety protocols including adequate distancing related to Covid-19. Consultation with Zonal Head Office (Zonal Health Officer) revealed that they appreciate the intervention and agree this is needed The concept of central lab, mobile medical unit – testing facilities available were also explained by the consultant ZHOs also informed that 25-30% of the population will be in below poverty line category The concept of privacy room for girls and incinerator provision was also explained ZHOs also listed other issues such as, Adolescent health, Early pregnancies, UTI/RTI, Personal hygiene, counselling to handle psycho-social issues. | <p>During discussions it was found that the participants were well informed about the scope of work under ADBfunded project “Infection Prevention and Control of COVID-19 for Integrated Pandemic and Disaster Risk Management for the Urban Poor in the Chennai–Kosasthalaiyar Basin.</p> <p>It was unanimously agreed by the ZHOs that for successful execution of the project certain factors like inter departmental strong coordination, proper monitoring, maintenance of the assets created and above all awareness drive and meaningful consultations with are the pillars of the project. In this necessary support from the ZHO has been assured by the participants</p> |   |



B. Summary of public consultations along with photographs at Ambattur Municipal Higher Secondary School, Chavadi, Chennai-80

| Date & Location | No. of Participants | Topics/Concerns / Issues discussed | Issues Addressed | Photographs |
|--|--|--|--|---|
| 03.03.21 Ambattur Malligai, Municipal Ambattur Municipal higher secondary school, Chavadi, Chennai-80 | Teachers-13 Male-1 Female-12 Parents- 6 Male-1 Female-5 Total: 19 Female:17 (89%) Male: 2 (11%) | <ul style="list-style-type: none"> The consultation was carried out by AEE with Head mistress, School teachers, students and facilitated by Social Safeguard Specialist Covid protocols were followed during consultation meeting. <p>Issues related to Toilet:</p> <ul style="list-style-type: none"> 1 unit for boys (2 Toilets and 2 urinals) 1 unit for girls with 2 toilets and 5 urinals. 1 staff toilet was there and its insufficient. Western toilet is needed as most of the staff are elderly No provisions for differently able students Cleaning is done once by the Corporation staffs in early hours which needs to be done throughout the school hours on regular interval. No dustbins in toilet to | <p>Based on the issues raised by the teachers and parents group; it has been responded to the participants that; some of the major issues associated with construction related activities like creation of new class rooms, structural maintenances, safety and security of common property resources within the school campus during holidays etc. will be communicated to the officials of GCC.</p> <p>However; based on scope of work under the ADB funded proposed project issues like</p> <ul style="list-style-type: none"> Provision of renovation and creation of new bio friendly toilets has been planned. Water supply system will be upgraded as per plan. Hand wash facilities along with adequate sanitizers / soaps for all will be placed. Awareness on personal health and hygiene of the students (including adolescent girl students) are one of the main targets of the project. |   |




















| | | | | |
|--|--|--|--|---|
| | | <p>dispose napkins.</p> <ul style="list-style-type: none"> • Drainage connection also need to be improved • Considering the enrolment strength of the school, more toilets will be required when the school will reopen. <p>Hand wash- 3 area- 1 fully broken. 2 were used by children.</p> <p>Water- Metro water was smelly with more bleaching powder smell. and children bring water from their homes.</p> <p>Visit by Primary health center- Once in every 2 months school visit are done and deworming tablets used to be given to students. One eye camp conducted. 20 students were given spectacles screening. Every Thursday Folic acid tablet was distributed.</p> | |   |
|--|--|--|--|---|

C. Summary of Public Consultations along with photographs at Ambattur Municipal High School, Kamarajapuram, Chennai-53

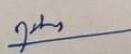

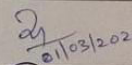


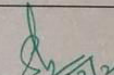
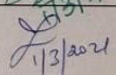
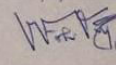
| Date & Location | No. of Participants | Topics/Concerns / Issues discussed | Issues Addressed | Photographs |
|--|--|---|---|--|
| 03.03.21 Ambattur Malligai, Municipal Ambattur high school, Kamarajapuram | Female Teachers- 7 Students-18 Boys- 12 Girls- 6 Total participants : 25 Male: 12 (48%) Female: 13 (52%) | <ul style="list-style-type: none"> The consultation was carried out by AEE, Head mistress, School teachers, students and facilitated by Social Safeguard Specialist Covid protocols were followed during consultation meeting. Children come from nearby areas like Nehru nagar, Kamarajapuram and MKB nagar. were also explained by the consultant Toilets- 1 unit each for boys and girls (2 Toilets and 5 urinals) 1 disability toilet was used by teachers, since there is no disabled student in school. Toilet found to be unclean and with foul smell inside. Corporation staff comes and cleans toilet every morning, later in afternoon there is no one to clean it. | <p>Based on the issues raised by the teachers and students group; it has been responded to the participants that; some of the major issues associated with construction related activities like creation of new class rooms, structural maintainances, safety and security of common propoerty resources within the school campus during holidays etc. will be communicated to the officials of GCC.</p> <p>However; based on scope of work under the ADB funded proposed project issues like</p> <ul style="list-style-type: none"> Provision of renovation and creation of new bio friendly toilets has been planned. Water supply system will be upgraded as per plan. |   |

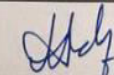

| | | | | |
|--|--|--|---|---|
| | | <p>Toilet door was broken, No proper lighting and ventilation inside the toilets.</p> <p>Hand wash- 5 taps were there and 4 were broken.</p> <p>Water- Due to lock down, water tank was not cleaned and Students bring water from their home.</p> <p>First aid kit not available</p> <p>Economic status- While having student interaction, children shared their parents work activities. Most of them are daily earners, painters, Watch man, Welder, Corporation contract scavengers (Adi Andra community).</p> <p>Primary health center- They visit school 2 months once and conduct medical screening. Every Thursday Folic acid tablet was distributed. 6 month once deworming tablets were given. 1 eye camp conducted. 20 students were given spectacles.</p> | <ul style="list-style-type: none"> • Hand wash facilities along with adequate sanitizers / soaps for all will placed. • Awareness on personal health and hygiene of the students (including adolescent girl students) are one of the main targets of the project. |   |
|--|--|--|---|---|

SIGNATURE SHEET OF THE PARTICIPANTS OF THE CONSULTATION EVENT HELD AT CHAVADIST

| GREATER CHENAI CORPORATION STORM WATER DRAIN DEPARTMENT CONSULTATION MEETING WITH HEAD MASTERS OF CORPORATION SCHOOLS IN KOSASTHALAIYAR BASIN Chennai Higher Secondary School, Chennai St. Mariation | | | | |
|--|------------------------------|--------------------|--------------------------|---|
| S.No | Name | Designation | Contact Number | Signature |
| 1. | P. ANITHA S. Anudhanayagi | H.M. P.G. Asst. | 9677260632 9789007572 |  |
| 2. | S. Lydial Apudhalla | " | 9940988417 |  |
| 3. | N. Abirani Sundari | P.G. Asst. | 9841140368 |  |
| 4. | G. Sheela Easwari Jay | B.T. Asst. | 9994082922 |  |
| 5. | A. Sathiyapriya | B.T. Asst. | 9444640944 |  |
| 6. | G. Mahalakshmi | S.G. Asst. | 9566175799 |  |
| 7. | L. Tamiliselvi | S.G. Asst. | 9840392722 |  |
| 8. | V. Latha | SPL. Fr. | 9791963354 |  |
| 9. | M. Eswarantharam | S.G. Asst. | 9952018628 |  |
| 10. | A. Devaki | P.E.T (SPL) | 7904149760 |  |
| 11. | M. Banurekha | PET | 9710757326 |  |
| 12. | S. DUNITHA | PARENT | 9600123140 |  |
| 13. | R. KALPANA | " | 9094721464 |  |
| 14. | V. VANITHA | " | 9003253915 |  |
| 15. | S. ANANTHI | " | |  |
| 16. | M. ANBALAGAN | " | 9176973254 |  |
| 17. | J. MOHANASUNDARI | " | 8189971984 |  |
| 18. | M. TAMIL SELVI | " | |  |
| 19. | G. ARULSELVI | " | 7550191070 |  |

**SIGNATURE SHEET OF THE PARTICIPANTS OF THE CONSULTATION EVENT HELD AT
AMMA MALLIGAI, GROUND FLOOR**

| Greater Chennai Corporation | | | | |
|---|---------------------|------------------------------------|----------------|---|
| Storm Water Drain Department | | | | |
| Consultation meeting Zonal Health Officer of Kosasthalaiyar Basin | | | | |
| Sl.No. | Name | Designation | Contact Number | Signature |
| 1 | Dr. M. Jagadeesan | CHD | 9845150744 |  |
| 2 | Dr. M. Laxmi Devi | ACHD (Nbring) | 98412 50567 |  |
| 3 | Dr. N. Ilanchezhian | Zonal Health officer - 1 | 94451 90061 |  20/03/2021 |
| 4 | Dr. A. Mottan | Zonal Health officer - 2 | 9894908672 |  |
| 5 | Dr. A. Pralhabaathy | Zonal Health officer - 3 | 9445190063 |  |
| 6 | Dr. G. SHEELA | Zonal Health officer - 7 | 9445790067 |  20/03/21 |
| 7 | Dr. S. MAHALAKSHMI | Addl. City Health officer (CHA) | 9444495327 |  1/3/2021 |
| 8 | V Vishnu Vijay | Consultant | 9962080182 |  20/03/2021 |

| Sl.No. | Name | Designation | Contact Number | Signature |
|--------|----------------|-------------|----------------|---|
| 9 | N. ANANDARAJ | AEE / SWD | 9994045544 |  |
| 10 | Uma Paulkomei. | SSS / Gcc. | 94440 69686 |  |
| 11 | | | | |

**SIGNATURE SHEET OF THE PARTICIPANTS OF THE CONSULTATION EVENT HELD AT
KAMARAJAPURAM**

[illegible]

LIST OF SCHOOLS WITH SEX DISAGGREGATED ENROLLMENT DATA**List -1 (List of 61 Schools)**

| Sl. No. | Zone | DVN | Name | Location | Category of School PUPS/PU MS/HIGH/ HR.SEC. | STUDENT STRENGTH | | | STUDENTS BELOW POVERTY LINE | | |
|---------|------|-----|------|----------------------|--|------------------|-------|-------|-----------------------------|-------|-------|
| | | | | | | Boys | Girls | Total | Boys | Girls | Total |
| 1 | 1 | | CPS | Ennorkuppam | PUPS | 16 | 20 | 36 | 16 | 19 | 35 |
| 2 | 1 | | CPS | Mugathuvarakuppam | PUPS | 26 | 33 | 59 | 26 | 32 | 58 |
| 3 | 1 | | CPS | Thalankuppam | PUPS | 79 | 86 | 165 | 78 | 85 | 163 |
| 4 | 1 | | CPS | SvM Nagar | PUPS | 56 | 56 | 112 | 56 | 55 | 111 |
| 5 | 1 | | CHS | Kamaraj Nagar | PUPS | 51 | 49 | 100 | 50 | 48 | 98 |
| 6 | 1 | | CMS | KH Road | PUMS | 131 | 126 | 257 | 128 | 119 | 247 |
| 7 | 1 | | CMS | Nehru Nagar | PUMS | 183 | 140 | 323 | 179 | 133 | 312 |
| 8 | 1 | | CPS | Annai Sivagami Nagar | PUPS | 147 | 157 | 304 | 142 | 150 | 292 |
| 9 | 1 | | CPS | Kasi Koil Kuppam | PUPS | 46 | 36 | 82 | 45 | 35 | 80 |
| 10 | 1 | | CMS | Ramanathapuram | PUMS | 225 | 228 | 453 | 205 | 213 | 418 |
| 11 | 1 | | CPS | Makali Amman Koil | PUPS | 147 | 157 | 304 | 142 | 150 | 292 |
| 12 | 1 | | CMS | Sathya Moorthy Nagar | PUMS | 157 | 160 | 317 | 156 | 156 | 312 |
| 13 | 1 | | CPS | Kargil Nagar | PUPS | 165 | 144 | 309 | 164 | 144 | 308 |
| 14 | 1 | | CMS | Sannathinstreet | PUMS | 160 | 125 | 285 | 160 | 120 | 280 |
| 15 | 1 | | CPS | Poonthotam School | PUPS | 38 | 27 | 65 | 36 | 26 | 62 |
| 16 | 1 | | CPS | Market Lane | PUPS | 48 | 47 | 95 | 45 | 43 | 88 |
| 17 | 1 | | CHS | Market Lane | HIGH | 72 | 38 | 110 | 72 | 37 | 109 |
| 18 | 1 | | CPS | Thiruchinakuppam | PUPS | 13 | 8 | 21 | 13 | 8 | 21 |
| 19 | 1 | | CPS | Edayanchavdi Main Rd | — | — | — | — | — | — | — |
| 20 | 2 | 15 | CPS | PldNappalayam | PUPS | 28 | 32 | 60 | 28 | 30 | 58 |
| 21 | 2 | 15 | CPS | Manali New Town | PUPS | 33 | 35 | 68 | 32 | 35 | 67 |
| 22 | 2 | 15 | CPS | Kanniammanpet | PUPS | 15 | 12 | 27 | 15 | 12 | 27 |

| 23 | 2 | 16 | CMS | Andarkuppam | PUMS | 67 | 62 | 129 | 67 | 61 | 128 |
|---------|------|-----|------|----------------------------------|---|------------------|-------|-------|-----------------------------|-------|-------|
| 24 | 2 | 16 | CPS | Ariyallur | PUPS | 12 | 14 | 26 | 9 | 14 | 23 |
| 25 | 2 | 17 | CMS | Kosapur | PUMS | 56 | 62 | 118 | 54 | 60 | 114 |
| Sl. No. | Zone | DVN | Name | Location | Category of School PUPS/PUMS/HIGH/HR.SEC. | STUDENT STRENGTH | | | STUDENTS BELOW POVERTY LINE | | |
| | | | | | | Boys | Girls | Total | Boys | Girls | Total |
| 26 | 2 | 17 | CMS | Theeyambakkam | PUPS | 13 | 22 | 35 | 13 | 22 | 35 |
| 27 | 2 | 17 | CPS | Vadaperumpakkam | PUPS | 22 | 15 | 37 | 21 | 15 | 36 |
| 28 | 2 | 17 | CPS | CPCL 3rd Street | PUPS | 127 | 116 | 243 | 126 | 114 | 240 |
| 29 | 2 | 18 | CPS | MMDA 3rd Street | PUPS | 205 | 182 | 387 | 200 | 180 | 380 |
| 30 | 2 | 19 | CMS | Manjambakkam | PUMS | 49 | 26 | 75 | 49 | 26 | 75 |
| 31 | 2 | 19 | CPS | Padasalai St. Manali | PUPS | 374 | 375 | 749 | 362 | 368 | 730 |
| 32 | 2 | 21 | CHS | Kannappasamy Nagar | HIGH | 186 | 177 | 363 | 186 | 174 | 360 |
| 33 | 3 | 22 | CMS | Gandhi Main Road | PUMS | 439 | 408 | 847 | 415 | 387 | 802 |
| 34 | 3 | 23 | CMS | School Rd Soorappet | PUMS | 147 | 131 | 278 | 145 | 125 | 270 |
| 35 | 3 | 24 | CMS | JP Nagar (b) | PUMS | 180 | 183 | 363 | 175 | 182 | 357 |
| 36 | 3 | 24 | CMS | Bharathidasan Nagar 6th st | PUMS | 180 | 183 | 363 | 175 | 182 | 357 |
| 37 | 3 | 24 | CPS | Bharathidasan Nagar 1ST CROSS st | — | — | — | — | — | — | — |
| 38 | 3 | 24 | CMS | MariammanKoil St. Murugambedu | PUMS | 60 | 67 | 127 | 60 | 66 | 126 |
| 39 | 3 | 24 | CMS | BalavinayagarKoils t | PUPS | 56 | 53 | 109 | 51 | 39 | 90 |
| 40 | 3 | 24 | CHS | Sembiam Road | — | — | — | — | — | — | — |
| 41 | 3 | 25 | CMS | Madhavaram Milk Colony | PUMS | 54 | 46 | 100 | 45 | 40 | 85 |
| 42 | 3 | 27 | CPS | Perumal Koil Street | PUPS | 115 | 125 | 240 | 107 | 112 | 219 |
| 43 | 3 | 28 | CMS | Devarajan Street | PUPS | 127 | 116 | 243 | 126 | 114 | 240 |
| 44 | 3 | 29 | CPS | Rajaji Street | PUPS | 49 | 54 | 103 | 49 | 53 | 102 |

| 45 | 3 | 30 | CHS | Lakshmi Narayana Perumal St | PUPS | 104 | 108 | 212 | 100 | 102 | 202 |
|---------|------|-----|------|----------------------------------|---|------------------|-------|-------|-----------------------------|-------|-------|
| 46 | 3 | 32 | CMS | Gandhi main Road Oragadam | PUMS | 104 | 71 | 175 | 102 | 69 | 171 |
| 47 | 7 | 79 | CPS | ChiduOragadam | PUPS | 22 | 19 | 41 | 22 | 17 | 39 |
| 48 | 7 | 80 | CMS | Chozhopuram | PUPS | 107 | 113 | 220 | 103 | 108 | 211 |
| 49 | 7 | 81 | CPS | Kalyanapuram | PUPS | 19 | 16 | 35 | 19 | 16 | 35 |
| 50 | 7 | 81 | CMS | CHS +cPSPadasalai. Kallikuppam | PUPS | 132 | 129 | 261 | 129 | 127 | 256 |
| 51 | 7 | 82 | CPS | NRs Road, Araharam | PUPS | 81 | 92 | 173 | 76 | 91 | 167 |
| Sl. No. | Zone | DVN | Name | Location | Category of School PUPS/PU MS/HIGH/ HR.SEC. | STUDENT STRENGTH | | | STUDENTS BELOW POVERTY LINE | | |
| | | | | | | Boys | Girls | Total | Boys | Girls | Total |
| 52 | 7 | 83 | CHS | NRs Road, Araharam | HIGH | 72 | 67 | 139 | 71 | 65 | 136 |
| 53 | 7 | 83 | CPS | Chavadi Street | PUPS | 86 | 102 | 188 | 86 | 100 | 186 |
| 54 | 7 | 84 | CHSS | Chavadi Street | HR.SEC | 326 | 228 | 554 | 324 | 222 | 546 |
| 55 | 7 | 84 | CMS | Patravakkam | PUMS | 94 | 88 | 182 | 90 | 83 | 173 |
| 56 | 7 | 84 | CPS | Varadharajapuram | PUPS | 49 | 50 | 99 | 45 | 45 | 90 |
| 57 | 7 | 85 | CMS | Managalapuram | PUMS | 62 | 60 | 122 | 54 | 54 | 108 |
| 58 | 7 | 85 | CPS | Ramapuram | PUPS | 51 | 50 | 101 | 48 | 47 | 95 |
| 59 | 7 | 85 | CPS | Teacher Colony | PUPS | 42 | 59 | 101 | 41 | 58 | 99 |
| 60 | 7 | 85 | CPS | Kamarajapuram (Ambedhkar Street) | PUPS | 58 | 67 | 125 | 55 | 66 | 121 |
| 61 | 7 | 85 | CHS | Kamarajapuram (Jeeva Street) | PUPS | 33 | 35 | 68 | 32 | 35 | 67 |

Source: Greater Chennai Corporation

Note: CHS= Corporation High School; CHSS= Corporation Higher Secondary School; CMS= Corporation Middle School; CPS= Corporation Primary School; PUPS = Panchayat Union Primary School; PUMS = Panchayat Union Middle School

DETAILED ASSESSMENT OF EXISTING FACILITIES AND PROPOSED PROJECT SCOPE FOR 30 SAMPLE SCHOOLS

| | | | |
|--------------------|-------|---------------------------|--|
| Zone | | 01-Tiruvottiyur |  |
| Division | | 01 | |
| School Name | | Corporation Middle School | |
| Location | | Nettukuppam | |
| Address | | Nettukuppam, Ennore | |
| Coordinates | | 13.229902,80.328321 | |
| Number of Students | Boys | 54 | |
| | Girls | 55 | |

1. WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well, Metro, Hand pump |
| 2 | Borewell | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

2. TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 2 toilet with urine platform Toilets for girls 3 toilet with urine platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available not working |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working and in good condition |

3. HANDWASH

| # | Details | Remark |
|---|-----------------------------|-------------------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap facility |
| 2 | Number of outlets | 6 |
| 3 | Condition | Working |

4. DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Usable |

5. RECOMMENDATIONS:

6. Two new Toilets for Girls.
7. Converting existing one of the girls' toilets into privacy room.
8. Providing an ewln cinerator

| | |
|-------------|---------------------------|
| Zone | 01–Tiruvottiyur |
| Division | 01 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Nettukuppam |



Current use of the land: Open Space next existing toilet



Toilet to be modified as privacy room

Proposed location for modification of toilet to privacy room

Currently this is a girls toilet.

| | |
|-------------|---------------------------|
| Zone | 01–Tiruvottiyur |
| Division | 01 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | KM Road |

| | | |
|--------------------|----------------------|-----|
| Zone | 01 - Tiruvottiyur | |
| Division | 02 | |
| School Name | CMS | |
| Location | KH Road | |
| Address | KH Road, Ennore | |
| Coordinates | 13.216964, 80.320402 | |
| Number of Students | Boys | 130 |
| | Girls | 125 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and Hand pump. Hand pump under repair |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 3 toilet Toilets for girls 3 toilet |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available not working |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working and in good condition |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-------------------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap facility |
| 2 | Number of outlets | 4+4 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 3 |
| 3 | Condition | Usable |

RECOMMENDATIONS:

1. Two new Toilets and two urinals for boys at first floor.
2. Converting existing one of the girl toilet into privacy room.
3. Providing a new incinerator
4. Hand pump to be repaired

| | |
|-------------|------------------|
| Zone | 01 –Tiruvottiyur |
| Division | 01 |
| School Name | CMS |
| Location | KH Road |



Location for 2xtoilets and 2 urinals for boys @ first floor

Proposed location for the additional two toilets

Current use of the land: Open Space next existing toilet



Toilet to be modified as privacy room

Proposed location for modification of toilet to privacy room

Currently this is a girls toilet.

| | |
|-------------|---------------------------|
| Zone | 01–Tiruvottiyur |
| Division | 02 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Nehru Nagar |

| | | |
|--------------------|---------------------------|-----|
| Zone | 01 - Tiruvottiyur | |
| Division | 02 | |
| School Name | CMS | |
| Location | Nehru Nagar | |
| Address | Nehru Nagar, Tiruvottiyur | |
| Coordinates | 13.214813, 80.318274 | |
| Number of Students | Boys | 174 |
| | Girls | 134 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and Metrowater |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 toilet Toilets for girls 4 toilet |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available not working |
| 5 | Separate water tank for toilet | No |
| 6 | Condition | Working and in good condition |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-------------|
| 1 | Hand wash facility and type | Broken |
| 2 | Number of outlets | |
| 3 | Condition | Not Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Usable |

RECOMMENDATIONS:

1. 4 new Toilets and 4 urinals for girls at first floor.
2. Converting existing one of the girl toilet into privacy room.
3. Repairing the Girls and Boys toilet including doors.
4. Construction of one disabled toilet
5. To raise the level of the boys toilet.
6. Repair sewage pipeline and provide new sewage sump
7. Providing a new Incinerator
8. Provide 2 x 4 precast hand wash points

| | |
|-------------|-------------------|
| Zone | 01 - Tinuvottiyur |
| Division | 02 |
| School Name | CMS |
| Location | Nehru Nagar |



Location for 4toilets and 4 urinals for boys @ first floor

Proposed location for the additional two toilets

Current use of the land: Open Space next existing toilet



Toilets to be repaired and one toilet to be modified as privacy room

Proposed location for toilets to be repaired and one toilet to be modified as privacy room



Proposed
location for
toilets to be
repaired



One of the
Proposed
location for Hand
wash



One of the
Proposed
location for Hand
wash

| | |
|------|-----------------|
| Zone | 01–Tiruvottiyur |
|------|-----------------|

| | |
|-------------|---------------------------|
| Division | 10 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Sannathi Street |

| | | |
|--------------------|-------------------------------|-----|
| Zone | 01 - Tiruvottiyur | |
| Division | 10 | |
| School Name | CMS | |
| Location | Sannathi Street | |
| Address | Sannathi Street, Tiruvottiyur | |
| Coordinates | 13.160627, 80.300696 | |
| Number of Students | Boys | 162 |
| | Girls | 131 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 1 toilet Toilets for girls 2 toilet |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available very old |
| 5 | Separate water tank for toilet | No |
| 6 | Condition | Working and in good condition |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 6 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Usable |

RECOMMENDATIONS:


1. 2 new Toilets and to be constructed at first floor.
2. Converting existing one of the girl toilet into privacy room.

| | |
|-------------|-------------------|
| Zone | 01 - Tiruvottiyur |
| Division | 10 |
| School Name | CM5 |
| Location | Sannathi Street |



| | |
|-------------|-------------------------|
| Zone | 01–Tiruvottiyur |
| Division | 11 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | Market Lane |

| | | |
|--------------------|---------------------------|-----|
| Zone | 01 - Tiruvottiyur | |
| Division | 11 | |
| School Name | CHS | |
| Location | Market Lane | |
| Address | Market Lane, Tiruvottiyur | |
| Coordinates | 13.151196, 80.302587 | |
| Number of Students | Boys | 174 |
| | Girls | 134 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 toilet and 4 urinals Toilets for girls 4 toilet and 4 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Not working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|---------------|
| 1 | Hand wash facility and type | Not Available |
| 2 | Number of outlets | - |
| 3 | Condition | Not Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Construction of new bore well with submersible pump
2. Converting existing one of the girl toilet into privacy room.
3. Repairing the Girls and Boys toilet including doors.
4. Repair sewage pipeline and provide new sewage sump
5. Providing a new incinerator
6. Provide 2 x 4 precast hand wash points
7. To Repair RO water System

| | |
|-------------|------------------|
| Zone | 01 - Tiruvodiyur |
| Division | 11 |
| School Name | CHS |
| Location | Market Lane |



Location for
4toilets and 4
urinals for girls to
be repaired

Proposed
location for the
toilet repairs and
hand wash



Location for
4toilets and 4
urinals for boys to
be repaired

Proposed
location for the
toilet repairs
And hand wash

| | |
|----------|-------------|
| Zone | 02 - Manali |
| Division | 16 |

| | |
|-------------|---------------------------|
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Andarkuppam |

| | | |
|--------------------|----------------------|--|
| Zone | 02-Manali |  |
| Division | 16 | |
| School Name | CMS | |
| Location | Andarkuppam | |
| Address | Andarkuppam, Manali | |
| Coordinates | 13.192761, 80.262993 | |
| Number of Students | Boys 53 Girls 45 | |

WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 3 Toilets 3 urinals Toilets for girls 2 Toilets 2 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-------------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | - |
| 3 | Condition | Not Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.
2. To provide precast hand washing facility 1 x 4

| | |
|-------------|-------------|
| Zone | 02-Manali |
| Division | 16 |
| School Name | CMS |
| Location | Andarkuppam |



Proposed location for
the converting the toilet
into privacy room



Proposed location for
the hand wash

| | |
|-------------|---------------------------|
| Zone | 02 - Manali |
| Division | 17 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Kosapur |

| | | |
|--------------------|----------------------|----|
| Zone | 02-Manali | |
| Division | 17 | |
| School Name | CMS | |
| Location | Kosapur | |
| Address | Kosapur, Manali | |
| Coordinates | 13.182444, 80.235064 | |
| Number of Students | Boys | 55 |
| | Girls | 51 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---------------------------------------|
| 1 | Number of toilets | Toilets for boys 4 Toilets 5 urinals |
| | | Toilets for girls 4 Toilets 5 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 6 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.

| | |
|-------------|-----------|
| Zone | 02-Manali |
| Division | 17 |
| School Name | CMS |
| Location | Kpsapur |



Proposed location for
the converting the toilet
into privacy room

| | |
|-------------|---------------------------|
| Zone | 02 - Manali |
| Division | 19 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Manjambakkam |

| | | |
|--------------------|----------------------|----|
| Zone | 02-Manali | |
| Division | 19 | |
| School Name | CMS | |
| Location | Manjambakkam | |
| Address | Manjambakkam, Manali | |
| Coordinates | 13.168813, 80.231227 | |
| Number of Students | Boys | 42 |
| | Girls | 22 |

**WATER**

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 Toilets 4 urinals Toilets for girls 4 Toilets 4 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 4 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|---------------|
| 1 | RO water tank | Not available |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.
2. To provide RO water system

| | |
|-------------|--------------|
| Zone | 02-Manali |
| Division | 19 |
| School Name | CM5 |
| Location | Manjambakkam |



Proposed location for
the converting the toilet
into privacy room

| | |
|-------------|------------------------------|
| Zone | 02 - Manali |
| Division | 19 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | MMDA 59 th Street |

| | | |
|--------------------|--------------------------|-----|
| Zone | 02-Manali | |
| Division | 19 | |
| School Name | CMS | |
| Location | MMDA 59th Street | |
| Address | MMDA 59th Street, Manali | |
| Coordinates | 13.170836, 80.248226 | |
| Number of Students | Boys | 204 |
| | Girls | 187 |

**WATER**

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|--|
| 1 | Number of toilets | Toilets for boys 4 Toilets 10 urinals |
| | | Toilets for girls 4 Toilets 10 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 6 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. To provide bore well
2. Converting existing one of the girl toilet into privacy room.
3. To construct 1x4 precast hand wash

| | |
|-------------|------------------|
| Zone | 02-Manali |
| Division | 19 |
| School Name | CM5 |
| Location | MMDA 59th Street |



Proposed location for
the converting the toilet
into privacy room

| | |
|-------------|--|
| Zone | 03 – Madhavaram |
| Division | 22 |
| School Name | CORPORATION PRIMARY SCHOOL+CORPORATION HIGH SCHOOL |
| Location | Kannappasamy Nagar |

| | | | |
|--------------------|----------------------|---------|--|
| Zone | 03-Madhavaram | |  |
| Division | 22 | | |
| School Name | CPS-CHS | | |
| Location | Kannappasamy Nagar | | |
| Address | Kannappasamy Nagar | | |
| Coordinates | 13.171198, 80.192818 | | |
| Number of Students | Boys | 145-185 | |
| | Girls | 137-175 | |

WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|--|
| 1 | Number of toilets | Toilets for boys 3 Toilets 5 urinal Toilets for girls 2 Toilets 6 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available damaged |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 20 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Provide one additional bore well
2. Constructing toilets for 5 for boys and 6 for girls. (girls toilet include a privacy room)
3. Provide one incinerator

| | |
|-------------|--------------------|
| Zone | 03-Madhavaram |
| Division | 22 |
| School Name | CMS |
| Location | Kannappasamy Nagar |



Proposed location for the constructing 5 toilets for boys and 6 toilets for girls. Total 11.

| | |
|-------------|---------------------------|
| Zone | 03 – Madhavaram |
| Division | 23 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Gandhi Main Road |

| | | |
|--------------------|----------------------|-----|
| Zone | 03-Madhavaram | |
| Division | 23 | |
| School Name | CMS | |
| Location | Gandhi Main Road | |
| Address | Gandhi Main Road | |
| Coordinates | 13.154884, 80.203445 | |
| Number of Students | Boys | 436 |
| | Girls | 406 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and metro water |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 Toilets 5 urinals Toilets for girls 7 Toilets 5 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 10 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|---------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 4 |
| 3 | Condition | Working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.
2. To provide 1 incinerator
3. To repair sewage pipeline and provide a new sewage sump.
4. Construct 4 boys + 4 girls total 8 new toilets and 8 urinals

| | |
|-------------|------------------|
| Zone | 03-Madhavaram |
| Division | 23 |
| School Name | CMS |
| Location | Gandhi Main Road |



Proposed location for
the converting the toilet
into privacy room



Proposed location for
new toilets

Current use: Bush near play ground

| | |
|-------------|----------------------------|
| Zone | 03 – Madhavaram |
| Division | 24 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Bharathidasan Nagar 6th st |

| | | |
|--------------------|----------------------------|-----|
| Zone | 03-Madhavaram | |
| Division | 24 | |
| School Name | CMS | |
| Location | Bharathidasan Nagar 6th st | |
| Address | Bharathidasan Nagar 6th st | |
| Coordinates | 13.142297, 80.181720 | |
| Number of Students | Boys | 180 |
| | Girls | 182 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 3 Toilets 3 urinals Toilets for girls 3 Toilets 3 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 2 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATIONS:

1. Converting one existing girl toilet into privacy room.
2. To provide incinerator
3. To provide small RO water system


| | |
|-------------|----------------------------|
| Zone | 03-Madhavaram |
| Division | 24 |
| School Name | CMS |
| Location | Bharathidasan Nagar 6th st |



Proposed location for the
converting the toilet into
privacy room

| | |
|-------------|---------------------------|
| Zone | 03 – Madhavaram |
| Division | 24 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | JP Nagar (b)- Campus 2 |

| | | |
|--------------------|------------------------|----|
| Zone | 03-Madhavaram | |
| Division | 24 | |
| School Name | CMS | |
| Location | JP Nagar (b)- Campus 2 | |
| Address | JP Nagar (b)- Campus 2 | |
| Coordinates | 13.144767, 80.193246 | |
| Number of Students | Boys | 79 |
| | Girls | 68 |

**WATER**

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and metrowater |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 Toilets Toilets for girls 4 Toilets |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 4 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.

| | |
|-------------|------------------------|
| Zone | 03-Madhavaram |
| Division | 24 |
| School Name | CMS |
| Location | JP Nagar (b)- Campus 2 |



| | |
|-------------|--------------------------------|
| Zone | 03 – Madhavaram |
| Division | 24 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Mariamman Koil St. Murugambedu |

| | | |
|--------------------|-------------------------------|----|
| Zone | 03-Madhavaram | |
| Division | 24 | |
| School Name | CPS | |
| Location | Mariamman Koil St | |
| Address | Mariamman Koil St Murugambedu | |
| Coordinates | 13.140777, 80.170447 | |
| Number of Students | Boys | 54 |
| | Girls | 59 |

**WATER**

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|-----------------------------|
| 1 | Number of toilets | Toilets for boys 2 Toilets |
| | | Toilets for girls 2 Toilets |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|---------------|
| 1 | Hand wash facility and type | Not Available |
| 2 | Number of outlets | - |
| 3 | Condition | - |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|----------------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | New RO not connected |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.
2. Provide incinerator
3. Construct one additional toilet for boys
4. Construct Hand wash facility 1 x4

| | |
|-------------|-------------------|
| Zone | 03-Madhavaram |
| Division | 24 |
| School Name | CMS |
| Location | Mariamman Koil St |



Proposed location for
the converting the toilet
into privacy room




space for toilet

Proposed location for
the one additional toilet
for boys

| | |
|-------------|-------------------------|
| Zone | 03 – Madhavaram |
| Division | 25 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | Sembiam Road |

| | | |
|--------------------|--|-----|
| Zone | 03-Madhavaram | |
| Division | 25 | |
| School Name | CHS | |
| Location | Sembiam Road | |
| Address | Sembiam Road, Kathirvedu Village, Puzhal | |
| Coordinates | 13.151564, 80.203896 | |
| Number of Students | Boys | 102 |
| | Girls | 110 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 4 Toilets 4 urinals Toilets for girls 4 Toilets 4 urinals |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 8 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.

| | |
|-------------|---------------|
| Zone | 03-Madhavaram |
| Division | 25 |
| School Name | CHS |
| Location | Sembiam Road |



Proposed location for
the converting the toilet
into privacy room

| | |
|-------------|---------------------------|
| Zone | 03 – Madhavaram |
| Division | 27 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Madhavaram Milk Colony |

| | | |
|--------------------|------------------------|----|
| Zone | 03-Madhavaram | |
| Division | 27 | |
| School Name | CM5 | |
| Location | Madhavaram Milk Colony | |
| Address | Madhavaram Milk Colony | |
| Coordinates | 13.159244, 80.241959 | |
| Number of Students | Boys | 50 |
| | Girls | 54 |

**WATER**

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 5 Toilets Toilets for girls 5 Toilets |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|-----------|
| 1 | Hand wash facility and type | Available |
| 2 | Number of outlets | 7 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATIONS:

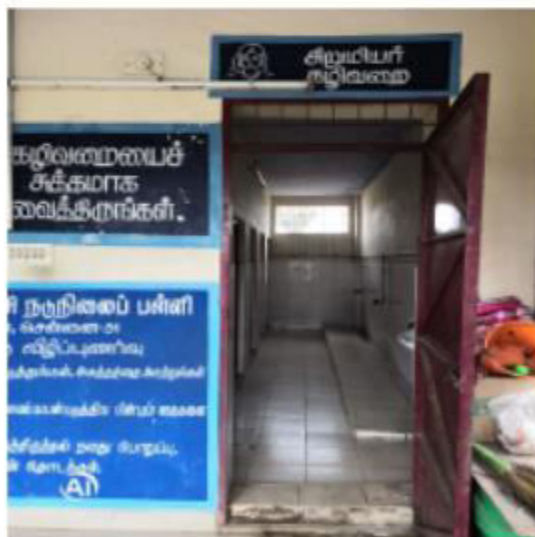
1. Construct one disabled toilet
2. Converting existing one of the girl toilet into privacy room and provide incinerator
3. New RO water system to be provided

| | |
|-------------|------------------------|
| Zone | 03-Madhavaram |
| Division | 27 |
| School Name | CM5 |
| Location | Madhavaram Milk Colony |



Proposed location for disabled toilet

Current usage: unused space



Proposed location for privacy toilet

| | |
|-------------|--|
| Zone | 03 – Madhavaram |
| Division | 29 |
| School Name | CORPORATION PRIMARY SCHOOL- CORPORATION HIGH SCHOOL |
| Location | Devaranjan Street |

| | | |
|--------------------|----------------------|---------|
| Zone | 03-Madhavaram | |
| Division | 29 | |
| School Name | CPS+CHS | |
| Location | Devarajan Street | |
| Address | Devarajan Street | |
| Coordinates | 13.158589, 80.260035 | |
| Number of Students | Boys | 130+197 |
| | Girls | 118+178 |


WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and Metro water |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 10 Toilets uninal 7 Toilets for girls 12 Toilets uninal 7 |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|--|
| 1 | Hand wash facility and type | Available. Additional hand wash required |
| 2 | Number of outlets | 7 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATIONS:

1. Provide additional bore well
2. Converting existing two of the girl toilet into privacy room.
3. Provide 2 incinerators
4. Construct hand wash 3x4
5. New RO water system to be provided

| | |
|-------------|------------------|
| Zone | 03-Madhavaram |
| Division | 29 |
| School Name | CPS+CHS |
| Location | Devarajan Street |



Proposed location for
converting a toilet into a
privacy toilet

| | |
|-------------|-----------------------------|
| Zone | 03 – Madhavaram |
| Division | 32 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | Lakshmi Narayana Perumal St |

| | | | |
|--------------------|-----------------------------|-----|--|
| Zone | 03-Madhavaram | |  |
| Division | 32 | | |
| School Name | CHS | | |
| Location | Lakshmi Narayana Perumal St | | |
| Address | Lakshmi Narayana Perumal St | | |
| Coordinates | 13.134127, 80.208273 | | |
| Number of Students | Boys | 420 | |
| | Girls | 336 | |

WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and Metro water |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 10 Toilets uninal 10 Toilets for girls 10 Toilets uninal 10 |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|------------|
| 1 | Hand wash facility and type | Available. |
| 2 | Number of outlets | 14 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|---------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | working |

RECOMMENDATIONS:

1. Converting existing one of the girl toilet into privacy room.
2. One bore well motor to be repaired

| | |
|-------------|-----------------------------|
| Zone | 03-Madhavaram |
| Division | 32 |
| School Name | CHS |
| Location | Lakshmi Narayana Perumal St |



Proposed location for
converting a toilet into a
privacy toilet

| | |
|------|-----------------|
| Zone | 03 – Madhavaram |
|------|-----------------|

| | |
|-------------|-----------------------------|
| Division | 32 |
| School Name | CORPORATION PRIMARY SCHOOL |
| Location | Lakshmi Narayana Perumal St |

| | | |
|--------------------|-----------------------------|-----|
| Zone | 03-Madhavaram | |
| Division | 32 | |
| School Name | CPS | |
| Location | Lakshmi Narayana Perumal St | |
| Address | Lakshmi Narayana Perumal St | |
| Coordinates | 13.134156, 80.208750 | |
| Number of Students | Boys | 104 |
| | Girls | 110 |

| |
|--|
|  |
|--|

WATER

| # | Details | Remarks |
|---|-----------------|---|
| 1 | Source of water | Bore well and Metro water |
| 2 | Bore well | Yes. |
| 3 | Main water tank | Yes. Adequate safety measures and SOP for assets deployed must be provided. |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | Toilets for boys 1 Toilets unnaal 5 Toilets for girls 2 Toilets unnaal 5 |
| 3 | Privacy rooms (Menstrual Hygiene) | Not applicable |
| 4 | Incinerator for menstrual pads | - |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Working |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|------------|
| 1 | Hand wash facility and type | Available. |
| 2 | Number of outlets | 10 |
| 3 | Condition | Working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|-------------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Working (home RO) |

RECOMMENDATIONS:

1. To construct 2x toilet for girls

| | |
|-------------|-----------------------------|
| Zone | 03-Madhavaram |
| Division | 32 |
| School Name | CP5 |
| Location | Lakshmi Narayana Perumal St |




Proposed location for
construction of two
toilets

Empty space not in use

| | |
|-------------|-------------------------|
| Zone | 03 – Ambattur |
| Division | 81 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | Chozhapuram |

| | | |
|--------------------|----------------------|-----|
| Zone | 07 -Ambattur | |
| Division | 81 | |
| School Name | CHS | |
| Location | Chozhapuram | |
| Address | Chozhapuram | |
| Coordinates | 13.123566, 80.144513 | |
| Number of Students | Boys | 508 |
| | Girls | 148 |


WATER

| # | Issues addressed | Remarks |
|---|------------------|---------------------------|
| 1 | Source of water | Bore well and Metro water |
| 2 | Bore well | No |
| 3 | Main water tank | No |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 8 toilet 4 urinal For girls 5 toilet 0 urinal |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|----------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 8 |
| 3 | Condition | Working |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Not working |

RECOMMENDATION

1. Converting existing one of the girl toilet into privacy room.
2. To construct one new toilet 1 x4 for boys.
3. Providing a new RO water system connected.
4. To construct 2 x 4 precast hand wash facilities

| | |
|-------------|---------------------------|
| Zone | 07 -Ambattur |
| Division | 79 |
| School Name | CM5 |
| Location | Gandhi Main Road Oragadam |



Proposed location for the additional 1x4 toilets for boys
And proposed location for hand wash

Currently not used .



Proposed location for modification of existing toilet to privacy room

| | |
|-------------|--|
| Zone | 03 – Madhavaram |
| Division | 82 |
| School Name | CORPORATION HIGH SCHOOL and CORPORATION PRIMARY SCHOOL |
| Location | Padasalai, Kallkuppam |

| | | |
|--------------------|------------------------|-----|
| Zone | 07 -Ambattur | |
| Division | 82 | |
| School Name | CHS and CPS | |
| Location | Padasalai, Kallikuppam | |
| Address | Padasalai, Kallikuppam | |
| Coordinates | 13.133121, 80.170254 | |
| Number of Students | Boys | 318 |
| | Girls | 281 |



WATER

| # | Issues addressed | Remarks |
|---|------------------|-----------|
| 1 | Source of water | Bore well |
| 2 | Bore well | Yes |
| 3 | Main water tank | Yes |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 4 toilet and 3 urinal platform For girls 5 toilet and 3 urinal platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|----------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 4 |
| 3 | Condition | Working |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|---------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Working |

RECOMMENDATION

1. 1 New Bore well for toilets and hand wash
2. Four new Toilets and four urinals for Boys
3. Converting existing one of the girl toilet into privacy room.
4. And repair existing toilets and repair sewage lines and connect the sewage to central sewage pipe line.
5. Construct 1x4 hand wash.
6. Providing a new RO water system

| | |
|-------------|---------------------------------------|
| Zone | 07 - Ambattur |
| Division | 85 |
| School Name | CHS |
| Location | Jeeva Street, Kamarajapuram, Ambattur |



Proposed
location for the
additional toilets

Currently it's a open space in front of existing toilets



Proposed
location for
privacy room, to
convert one of
the existing toilet.

Also have to
repair the doors
and sewage
lines.

| | |
|------|---------------|
| Zone | 07 – Ambattur |
|------|---------------|

| | |
|-------------|-------------------------|
| Division | 83 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | NRS road Agraharam |

| | | |
|--------------------|----------------------|----|
| Zone | 07 -Ambattur | |
| Division | 83 | |
| School Name | CHS | |
| Location | NRS road ,Agraharam | |
| Address | NRS road ,Agraharam | |
| Coordinates | 13.118951, 80.186361 | |
| Number of Students | Boys | 71 |
| | Girls | 66 |

A photograph of the exterior of the Corporation High School building. The building is a two-story structure with a light-colored facade. A large blue banner with white text is hanging across the front of the building. The banner contains the school's name in Tamil and English, along with its address and contact information. The text on the banner includes 'Corporation High School', 'NRS Road, Agraharam', and 'Phone: 044-26111111'. There are trees and a clear sky in the background.**WATER**

| # | Issues addressed | Remarks |
|---|------------------|----------|
| 1 | Source of water | Borewell |
| 2 | Bore well | Yes |
| 3 | Main water tank | Yes |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 4 toilet and 5 uninal platform For girls 3 toilet and 2 uninal platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|--------------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 5 |
| 3 | Condition | The hand wash taps are working |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATION


1. Converting existing one of the girl toilet into privacy room.
2. Provide New incinerator
3. Providing a new RO water system connected to Metro water Tank. (Water through lorry supply)

| | |
|-------------|--------------------|
| Zone | 07 -Ambattur |
| Division | 83 |
| School Name | CHS |
| Location | NRS road,Agraharam |



Proposed
location for
privacy room . To
convert one
existing toilet to
privacy room

| | |
|-------------|--------------------------------------|
| Zone | 03 – Ambattur |
| Division | 84 |
| School Name | Corporation Higher Secondary School; |
| Location | Chavadi street |

| | | |
|--------------------|--------------------------|--|
| Zone | 07 -Ambattur |  |
| Division | 84 | |
| School Name | CH55 | |
| Location | Chavadi street | |
| Address | Chavadi street, Korattur | |
| Coordinates | 13.102642, 80.181709 | |
| Number of Students | Boys | 231 |
| | Girls | 175 |

WATER

| # | Issues addressed | Remarks |
|---|------------------|----------|
| 1 | Source of water | Borewell |
| 2 | Bore well | Yes |
| 3 | Main water tank | Yes |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|-----------------------------|
| 1 | Number of toilets | For boys 2 toilet 7 urinal |
| | | For girls 4 toilet 4 urinal |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|----------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 7 |
| 3 | Condition | Working. Not adequate |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|-------------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 1 |
| 3 | Condition | Not working |

RECOMMENDATION

1. 1 New Bore well for toilets and hand wash
2. To repair water pipelines and sewage lines.
3. To provide roof for existing urinals.
4. To construct two new toilet 2x4 for boys and girls. Privacy room will be part of this.
5. Providing a new RO water system and repair the existing
6. To construct 2 x 4 precast hand wash facilities

| | |
|-------------|----------------|
| Zone | 07 -Ambattur |
| Division | 84 |
| School Name | CH55 |
| Location | Chavadi street |



Proposed location for the additional toilets 2 x 4. Privacy room at new construction

Currently scrub area

| | |
|-------------|---------------------------|
| Zone | 03 – Ambattur |
| Division | 84 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Patravakkam |

| | | |
|--------------------|-----------------------------|-----|
| Zone | 07 -Ambattur | |
| Division | 84 | |
| School Name | CMS | |
| Location | Patravakkam | |
| Address | Patravakkam, AMB IND Estate | |
| Coordinates | 13.106275, 80.169360 | |
| Number of Students | Boys | 101 |
| | Girls | 69 |


WATER

| # | Issues addressed | Remarks |
|---|------------------|-------------|
| 1 | Source of water | Metro water |
| 2 | Bore well | No |
| 3 | Main water tank | No |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 4 toilet 5 urinal For girls 6 |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Repair. To provide new |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|----------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 8 |
| 3 | Condition | Working |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|---------|
| 1 | RO water tank | Yes |
| 2 | Number of drinking outlets | 8 |
| 3 | Condition | Working |

RECOMMENDATION

1. Converting existing one of the girl toilet into privacy room.

| | |
|-------------|---------------------------|
| Zone | 07 -Ambattur |
| Division | 79 |
| School Name | CM5 |
| Location | Gandhi Main Road Oragadam |



Proposed location for
modification of existing toilet to
privacy room

| | |
|-------------|-----------------------------|
| Zone | 07 – Ambattur |
| Division | 85 |
| School Name | CORPORATION HIGH SCHOOL |
| Location | Jeeva Street, Kamarajapuram |

| | | |
|--------------------|-----------------------------|----|
| Zone | 07 -Ambattur | |
| Division | 85 | |
| School Name | CHS | |
| Location | Jeeva Street, Kamarajapuram | |
| Address | Kamarajapuram,Ambattur | |
| Coordinates | 13.105253, 80.153191 | |
| Number of Students | Boys | 83 |
| | Girls | 72 |


WATER

| # | Issues addressed | Remarks |
|---|------------------|----------------|
| 1 | Source of water | Lorry supplied |
| 2 | Bore well | No |
| 3 | Main water tank | No |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 2 toilet and 2 urinal platform For girls 2 toilet and 2 urinal platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|--------------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 4 |
| 3 | Condition | The hand wash taps are working |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | - |

RECOMMENDATION

1. 1 New Bore well for toilets and hand wash (currently borrow from adjacent public toilet)
2. Two new Toilets for Boys. (Converting existing one of the girl toilet into privacy room. And designating existing boys toilets also for Girls.
3. Providing a new RO water system connected to Metro water Tank. (Water through lorry supply)

| | |
|-------------|---------------------------------------|
| Zone | 07 - Ambattur |
| Division | 85 |
| School Name | CHS |
| Location | Jeeva Street, Kamarajapuram, Ambattur |



Proposed location for the additional two toilets

| | |
|-------------|---------------------------|
| Zone | 07 – Ambattur |
| Division | 79 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Gandhi Main Road Oragadam |

| | | | | |
|--------------------|-------|---------------------------|--|--|
| Zone | | 07 -Ambattur | |  |
| Division | | 79 | | |
| School Name | | CMS | | |
| Location | | Gandhi Main Road Oragadam | | |
| Address | | Gandhi Main Road Oragadam | | |
| Coordinates | | 13.133491, 80.153506 | | |
| Number of Students | Boys | 101 | | |
| | Girls | 69 | | |

WATER

| # | Issues addressed | Remarks |
|---|------------------|-------------|
| 1 | Source of water | Metro water |
| 2 | Bore well | No |
| 3 | Main water tank | No |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 2 toilet 4 uninal For girls 2 toilet 4 uninal |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|----------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 4 |
| 3 | Condition | Damaged |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATION

1. 1 New Bore well for toilets and hand wash (currently borrow from adjacent metro water tank)
2. Converting existing one of the girl toilet into privacy room and incinerator
3. To construct one new toilet for girls.
4. Providing a new RO water system connected to Metro water Tank.
5. To construct 2 x 4 precast hand wash facilities

| | |
|-------------|---------------------------|
| Zone | 07 -Ambattur |
| Division | 79 |
| School Name | CMS |
| Location | Gandhi Main Road Oragadam |



Proposed location for the additional one toilets

Currently scrub area



Proposed location for modification of existing toilet to privacy room

| | |
|-------------|---------------------------|
| Zone | 07 – Ambattur |
| Division | 85 |
| School Name | CORPORATION MIDDLE SCHOOL |
| Location | Managalapuram |

| | | |
|--------------------|-------------------------|----|
| Zone | 07 -Ambattur | |
| Division | 85 | |
| School Name | CMS | |
| Location | Managalapuram | |
| Address | Managalapuram, Ambattur | |
| Coordinates | 13.101236, 80.167665 | |
| Number of Students | Boys | 58 |
| | Girls | 58 |


WATER

| # | Issues addressed | Remarks |
|---|------------------|-----------|
| 1 | Source of water | Bore well |
| 2 | Bore well | No |
| 3 | Main water tank | No |

TOILETS

| # | Issues addressed | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 2 toilet and 2 uninal platform For girls 2 toilet and 2 uninal platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not available |
| 4 | Incinerator for menstrual pads | Not available |
| 5 | Separate water tank for toilet | Yes |
| 6 | Condition | Usable |

HAND WASH

| # | Issues addressed | Remark |
|---|-----------------------------|---------------|
| 1 | Hand wash facility and type | Not available |
| 2 | Number of outlets | - |
| 3 | Condition | - |

DRINKING WATER

| # | Issues addressed | Remark |
|---|----------------------------|--------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | - |
| 3 | Condition | - |

RECOMMENDATIONS

1. Two new Toilets for Girls at first floor. also provide privacy room.
2. To construct a disabled toilet
3. Providing a new RO water system
4. Construct 2 x 4 precast hand wash facilities.

| | |
|-------------|---------------------------------------|
| Zone | 07 - Ambattur |
| Division | 85 |
| School Name | CHS |
| Location | Jeeva Street, Kamarajapuram, Ambattur |



Proposed location for the additional toilets and privacy rooms



Proposed location for disabled toilet

Current use of land: Open scrub area

| | |
|-------------|----------------------------|
| Zone | 07 – Tiruvottiyur |
| Division | 01 |
| School Name | Corporation Primary School |
| Location | Mugathuvara Kuppam |

| | | | |
|--------------------|---------------------------|----|--|
| Zone | 01 - Tiruvottiyur | |  |
| Division | 01 | | |
| School Name | CPS | | |
| Location | Mugathuvara Kuppam | | |
| Address | Mugathuvara Kuppam, Ennor | | |
| Coordinates | 13.229438, 80.325415 | | |
| Number of Students | Boys | 20 | |
| | Girls | 22 | |

WATER

| # | Details | Remarks |
|---|-----------------|-----------|
| 1 | Source of water | Bore Well |
| 2 | Bore well | Yes |
| 3 | Main water tank | Yes |

TOILETS

| # | Details | Remarks |
|---|-----------------------------------|---|
| 1 | Number of toilets | For boys 1 toilet and 2 urinal platform For girls 2 toilet and 2 urinal platform |
| 3 | Privacy rooms (Menstrual Hygiene) | Not applicable |
| 4 | Incinerator for menstrual pads | Not applicable |
| 5 | Separate water tank for toilet | No |
| 6 | Condition | Usable |

HAND WASH

| # | Details | Remark |
|---|-----------------------------|--------------------------------|
| 1 | Hand wash facility and type | Conventional tap with soap |
| 2 | Number of outlets | 4 |
| 3 | Condition | The hand wash taps are working |

DRINKING WATER

| # | Details | Remark |
|---|----------------------------|---------|
| 1 | RO water tank | No |
| 2 | Number of drinking outlets | 2 |
| 3 | Condition | Working |

RECOMMENDATIONS:

1. To provide roof over existing urinal

| | |
|-------------|--------------------|
| Zone | 01 - Tiruvottiyur |
| Division | 01 |
| School Name | CP5 |
| Location | Mugathuvara Kuppam |



To provide roof and proper doors for urinal

Proposed location for the roof for existing urinals