

# 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-19<sup>1</sup> 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.<sup>2</sup> 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.<sup>3</sup> 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.

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

<sup>2</sup> 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.

<sup>3</sup> 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.<sup>4</sup> 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.<sup>5</sup> 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.<sup>6</sup>

## 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.**<sup>7</sup> 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.**<sup>8</sup> The output includes improving: (i) IPC plans in health-care facilities and associated staff training on patient

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

<sup>5</sup> ADB. 2017. *Country Partnership Strategy: India, 2018–2022*. Manila.

<sup>6</sup> 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>).

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

<sup>8</sup> 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.<sup>9</sup> 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.<sup>10</sup> The mobile surveillance activities will be implemented with linkage to awareness campaigns and the promotion of behavioral changes in communities.

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<sup>9</sup> 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.

<sup>10</sup> 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.<sup>11</sup> About one-third of all cases in India, or 34.23%, are concentrated in 20 cities and districts.<sup>12</sup> 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.<sup>13</sup> 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.<sup>14</sup> 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.<sup>15</sup> 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.<sup>16</sup>

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.<sup>17</sup> 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.<sup>18</sup> The government also issued guidelines for dealing with suspected cases of COVID-19 in March 2020 that laid down standard operating procedures.<sup>19</sup> 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

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

<sup>12</sup> 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/](https://www.who.int/docs/default-source/wrindia/situation-report/india-situation-report-51.pdf?sfvrsn=22c1fe2d_2/).

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

<sup>14</sup> 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.

<sup>15</sup> 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/PressReleaselframePage.aspx?PRID=1608345>.

<sup>16</sup> 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.

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

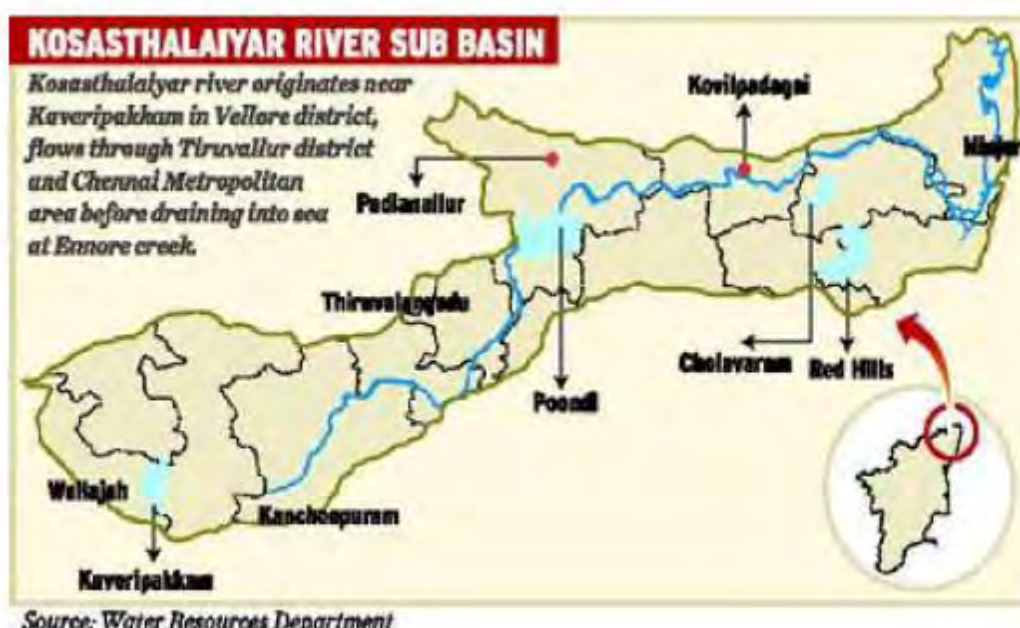
<sup>18</sup> Minutes of the meeting chaired by the Hon. Chief Minister dated 11 March 2020.

<sup>19</sup> Available at [https://stopcorona.tn.gov.in/wp-content/uploads/files/TNSOP\\_5\\_Version\\_1\\_2\\_Infection\\_Prevention\\_Control.pdf](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.<sup>20</sup>

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.<sup>21</sup> 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

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

<sup>21</sup> 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.<sup>22</sup> 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.<sup>23</sup> 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

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<sup>22</sup> 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.

<sup>23</sup> 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°Cto+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°Cto+8°C)	2 nos.
b.	Sample Filtration System with Manifold, Dispenser and Pump	1 no.
c.	Rapid Detection System	1 no.

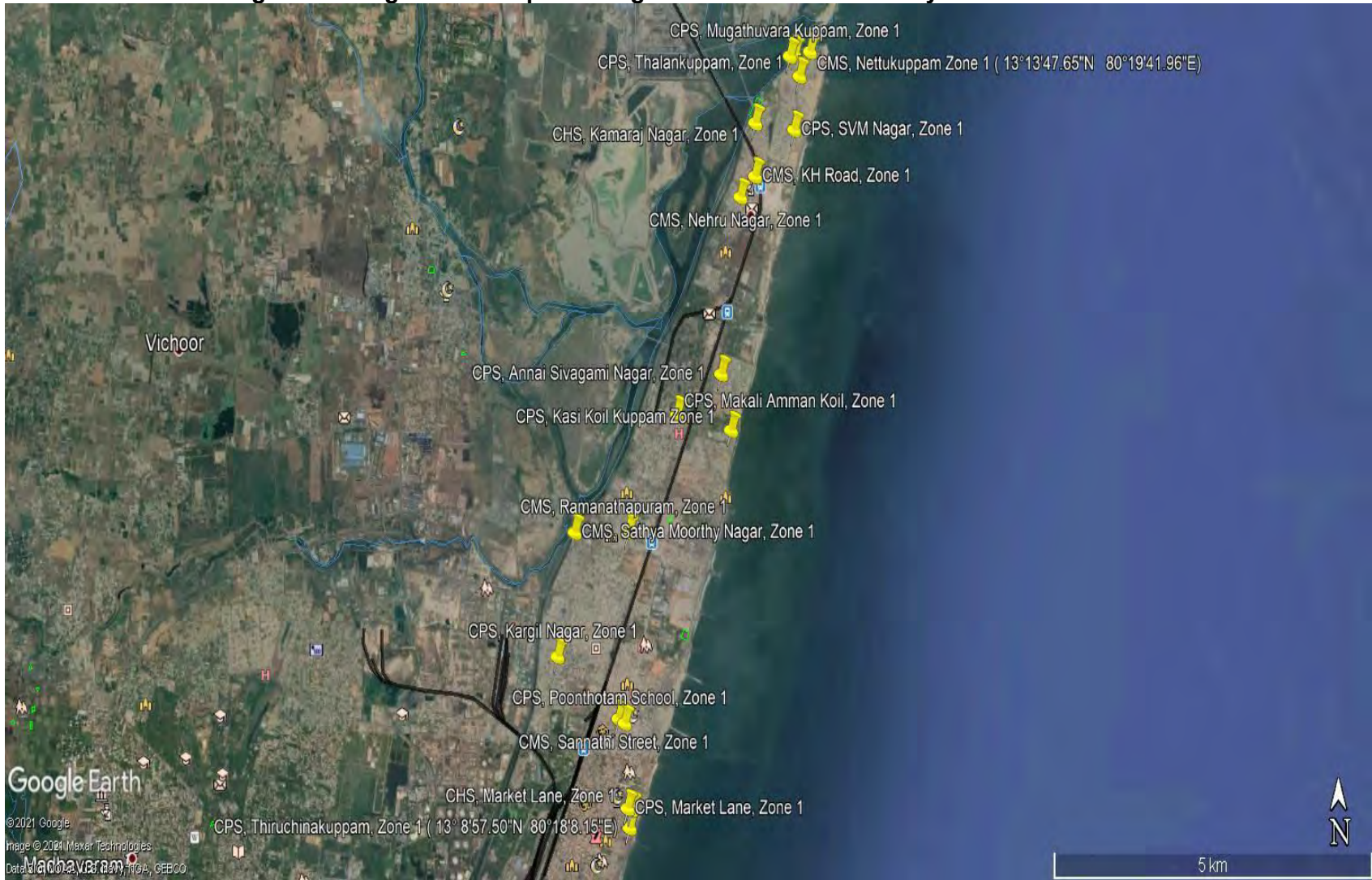
Source: Detailed Project Report

- (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.

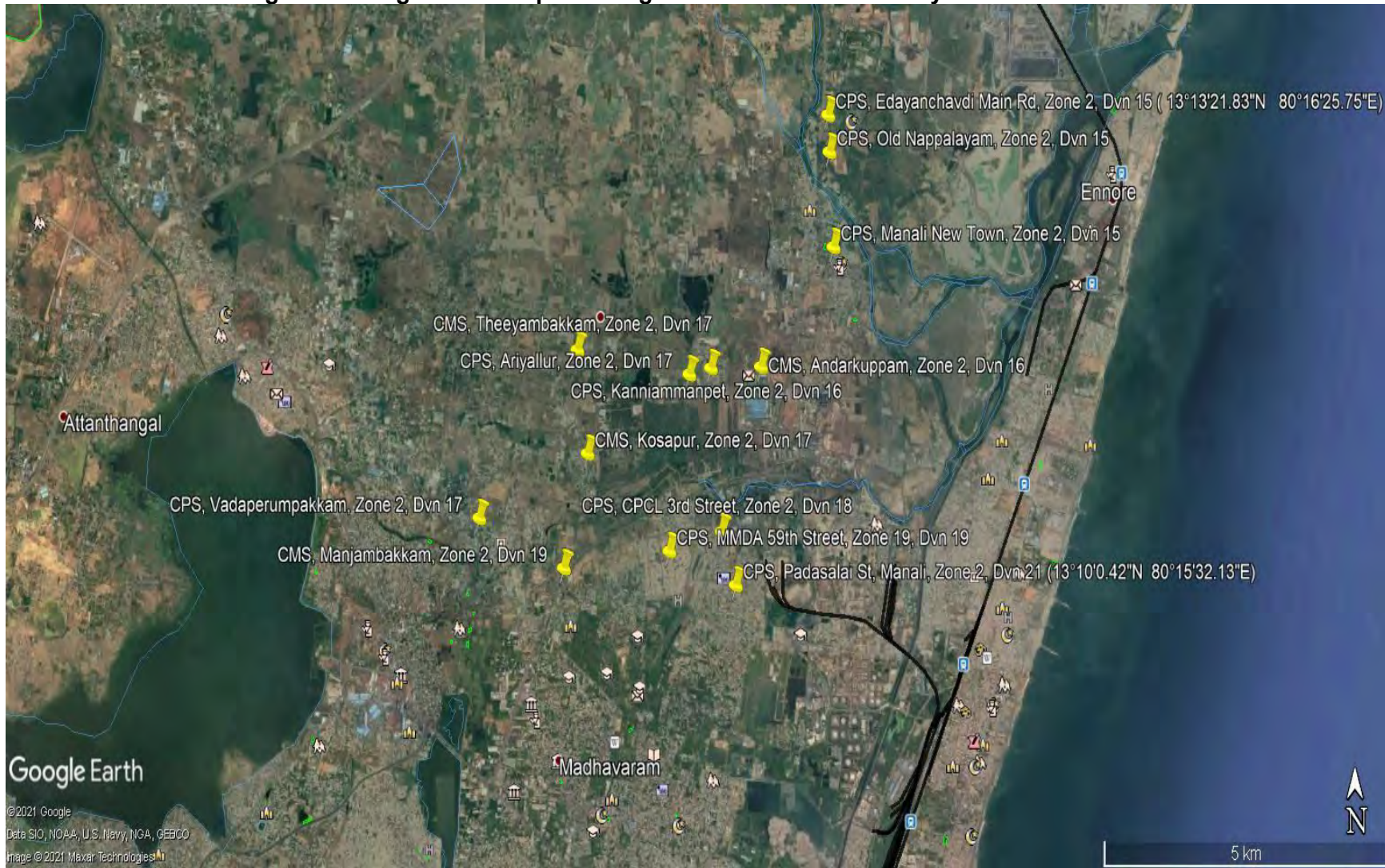
- (i) Goods package 1: procure all equipment and consumables for providing WASH and health care systems in schools and UPHCs.
  - (ii) Good package 2: procure laptop computers and projectors to be supplied to schools and UPHCs for project outcome related uses.
  - (iii) Goods package 3: procure 8 mobile 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



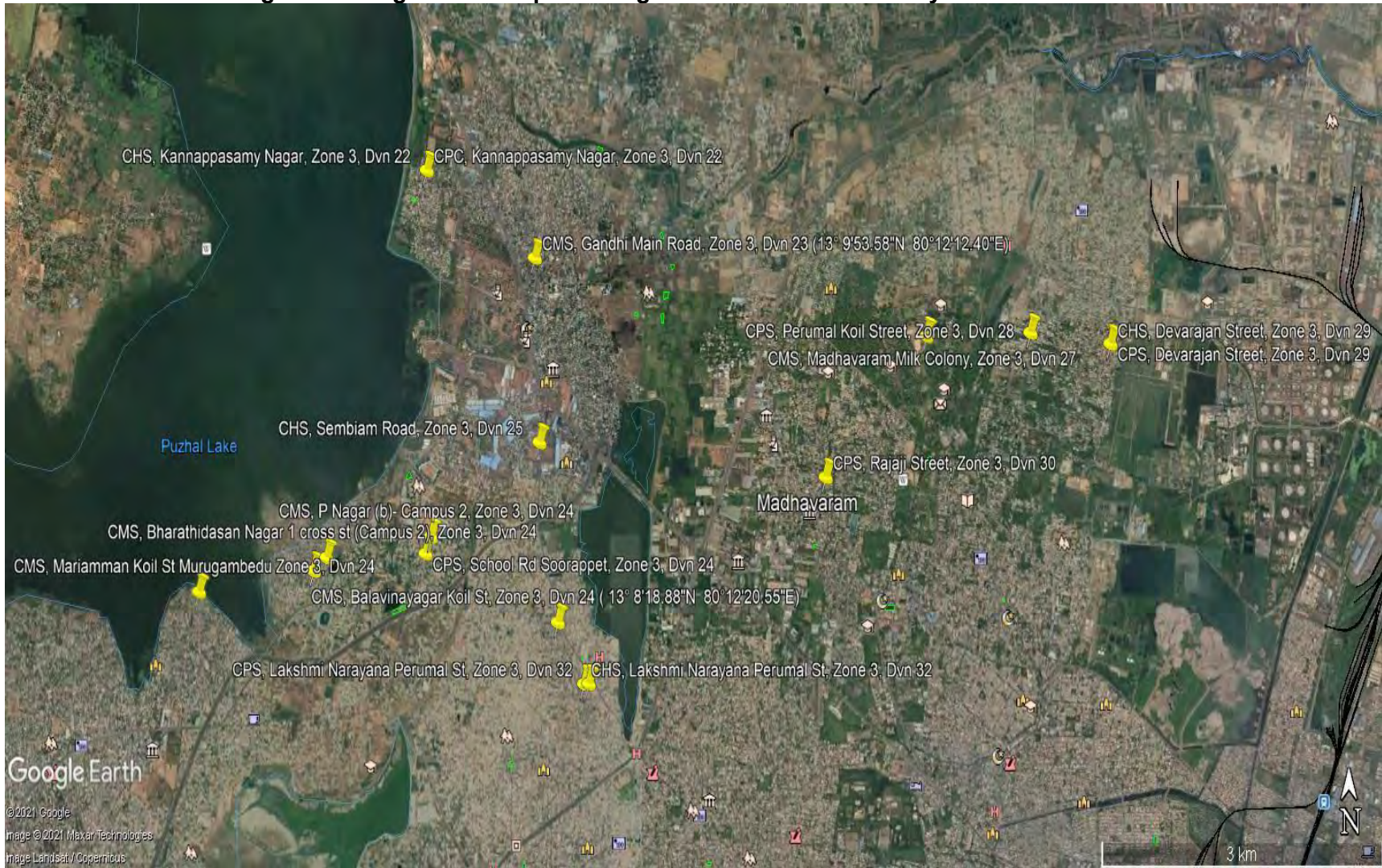
Source: Greater Chennai Corporation (GCC)

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



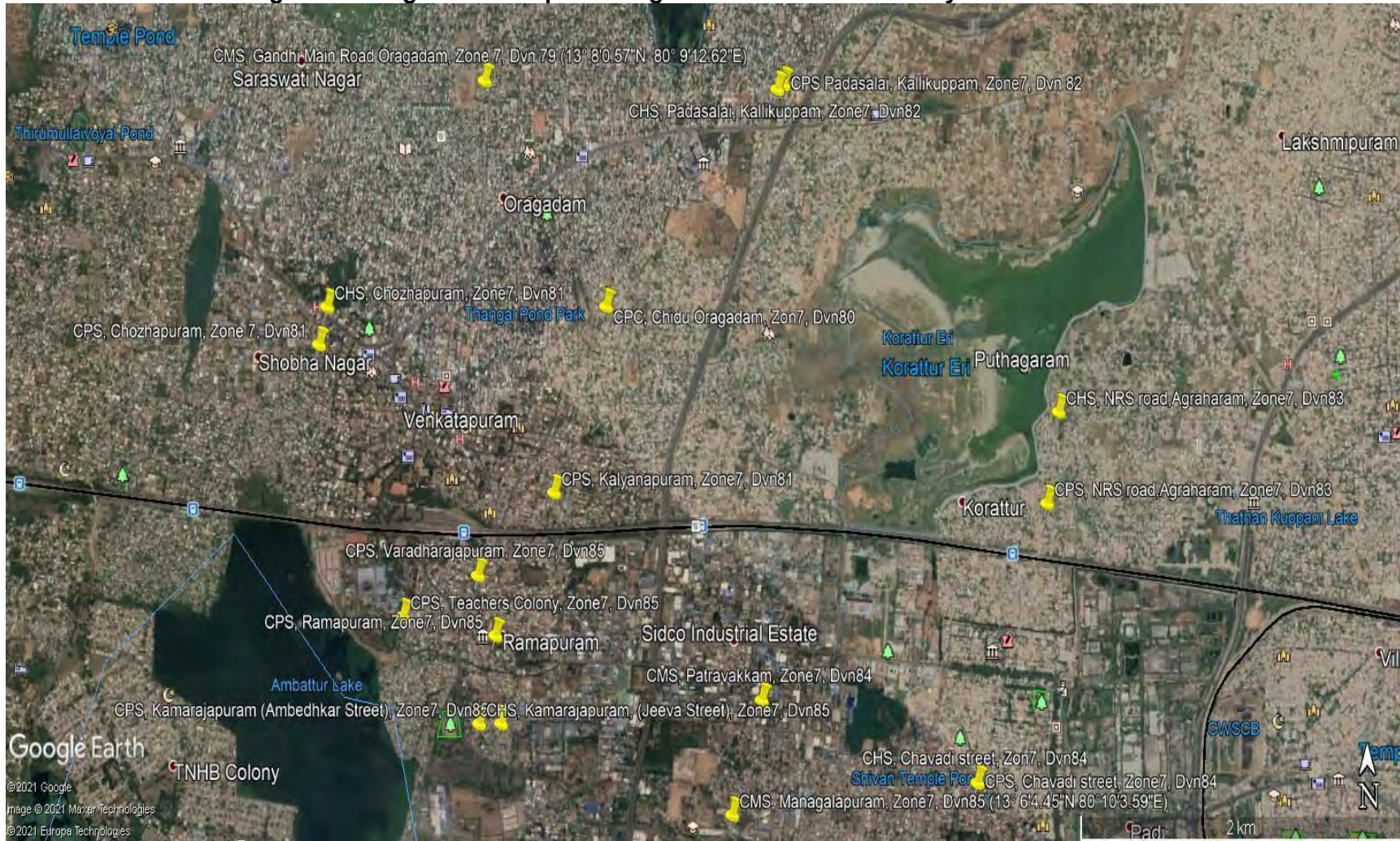
Source: Greater Chennai Corporation (GCC)

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



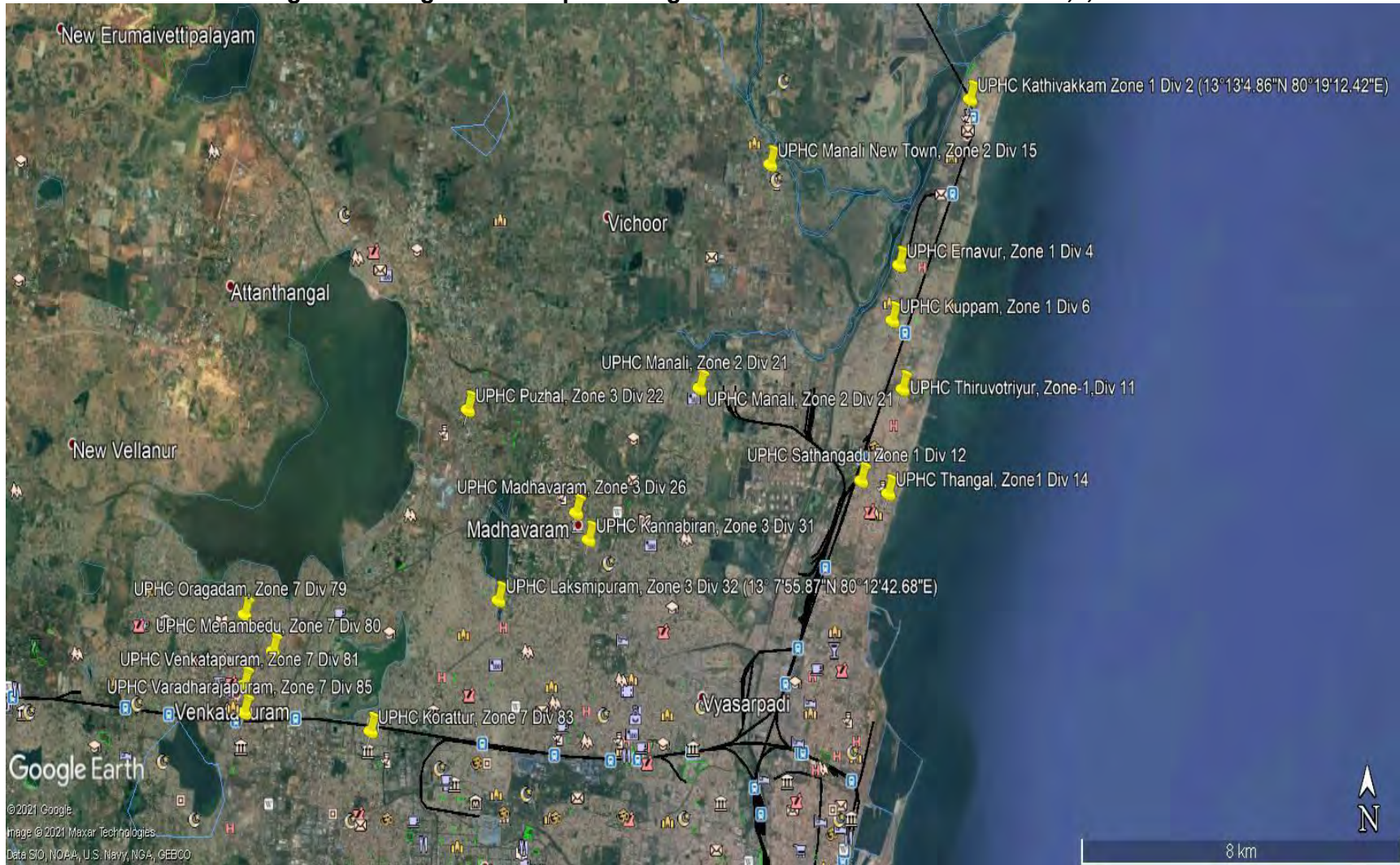
Source: Greater Chennai Corporation (GCC)

**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.

PHOTOG ALLERY



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

<b>1. Supply of WASH related items, equipment, kits and consumables</b>		
<b>No.</b>	<b>Description</b>	<b>Qty</b>
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

<b>2. Supply of Lab Vehicles, medical and analytical equipment</b>		
<b>No.</b>	<b>Description</b>	<b>Qty</b>
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

<b>4. Services (training, development and monitoring of SOP and systems for WASH, IPC, disaster management and response plan)</b>	
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	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
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 L)
7	1	02	CMS	KH Road	13.216964, 80.320402				mod			2 (new)	2 (new)					1 (new)	1 (new)	1 (new L)
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	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
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 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	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
														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 Soorappett	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	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
				2)																
40	3	24	CMS	MariammanKoil St Murugam bedu	13.140777, 80.170447				mod	1 (new)				1 x 4 points				1 (new)	1 (new)	
41	3	24	CP S	BalavinayarKoil 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 L)
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 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**

<b>S. No</b>	<b>Zone</b>	<b>Division</b>	<b>Name</b>	<b>Location</b>
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
			<b>Total</b>	<b>253,477</b>

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, Philippines.
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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  
Kosasthaliayar 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 29<sup>th</sup> 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


*(Signature)*  
15/02/21  
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"> <li>• The consultation was carried out by Social Safeguard Specialist, Additional Executive Engineer, and facilitated by City Health Officer</li> <li>• The meeting was held maintaining all health and safety protocols including adequate distancing related to Covid-19.</li> <li>• Consultation with Zonal Head Office (Zonal Health Officer) revealed that they appreciate the intervention and agree this is needed</li> <li>• The concept of central lab, mobile medical unit – testing facilities available were also explained by the consultant</li> <li>• ZHOs also informed that 25-30% of the population will be in below poverty line category</li> <li>• The concept of privacy room for girls and incinerator provision was also explained</li> <li>• ZHOs also listed other issues such as, Adolescent health, Early pregnancies, UTI/RTI, Personal hygiene, counselling to handle psycho-social issues.</li> </ul>	<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
<p>03.03.21</p> <p>Ambattur Malligai, Municipal</p> <p>Ambattur Municipal higher secondary school, Chavadi, Chennai-80</p>	<p><b>Teachers-13</b></p> <p>Male-1</p> <p>Female-12</p> <p><b>Parents- 6</b></p> <p>Male-1</p> <p>Female-5</p> <p><b>Total: 19</b></p> <p>Female:17 (89%)</p> <p>Male: 2 (11%)</p>	<ul style="list-style-type: none"> <li>The consultation was carried out by AEE with Head mistress, School teachers, students and facilitated by Social Safeguard Specialist</li> <li>Covid protocols were followed during consultation meeting.</li> </ul> <p><b>Issues related to Toilet:</b></p> <ul style="list-style-type: none"> <li>1 unit for boys (2 Toilets and 2 urinals) 1 unit for girls with 2 toilets and 5 urinals.</li> <li>1 staff toilet was there and its insufficient. Western toilet is needed as most of the staff are elderly</li> <li>No provisions for differently able students</li> <li>Cleaning is done once by the Corporation staffs in early hours which needs to be done throughout the school hours on regular interval.</li> <li>No dustbins in toilet to</li> </ul>	<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"> <li>Provision of renovation and creation of new bio friendly toilets has been planned.</li> <li>Water supply system will be upgraded as per plan.</li> <li>Hand wash facilities along with adequate sanitizers / soaps for all will placed.</li> <li>Awareness on personal health and hygiene of the students (including adolescent girl students) are one of the main targets of the project.</li> </ul>	 

		<p>dispose napkins.</p> <ul style="list-style-type: none"> <li>• Drainage connection also need to be improved</li> <li>• Considering the enrolment strength of the school, more toilets will be required when the school will reopen.</li> </ul> <p><b>Hand wash-</b> 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><b>Visit by Primary health center-</b> 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>		 
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**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
<p>03.03.21</p> <p>Ambattur Malligai, Municipal Ambattur high school, Kamarajapuram</p>	<p><b>Female Teachers- 7</b></p> <p><b>Students-18</b></p> <p>Boys- 12</p> <p>Girls- 6</p> <p>Total participants : 25</p> <p>Male: 12 (48%)</p> <p>Female: 13 (52%)</p>	<ul style="list-style-type: none"> <li>The consultation was carried out by AEE, Head mistress, School teachers, students and facilitated by Social Safeguard Specialist</li> <li>Covid protocols were followed during consultation meeting.</li> <li>Children come from nearby areas like Nehru nagar, Kamarajapuram and MKB nagar. were also explained by the consultant</li> <li>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.</li> </ul>	<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"> <li>Provision of renovation and creation of new bio friendly toilets has been planned.</li> <li>Water supply system will be upgraded as per plan.</li> </ul>	 

		<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"> <li>• Hand wash facilities along with adequate sanitizers / soaps for all will placed.</li> <li>• Awareness on personal health and hygiene of the students (including adolescent girl students) are one of the main targets of the project.</li> </ul>	 
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**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 600 071

S.No	Name	Designation	Contact Number	Signature
1.	P. ANITHA S. Anudhanayagi	H.M P.O. Ass.	9677260632 9789007572	
2.	S. Lydia Rajakumar	"	9940988417	
3.	N. Abirani Sordani	P.O. Ass.	9841140568	
4.	G. Sheela Ratan Jey	B.T. Asst	9994083923	
5.	A. Sathiyapriya	B.T. Asst	9444640944	
6.	G. Mahalakshmi	S.G. Asst	9566175799	
7.	L. Tamilselvi	S-Co. Asst	984039277	
8.	V. Latha	SPL. Fr.	9791963354	
9.	M. Eswarantharam	S.G. Asst	9952018628	
10.	A. Devaki	P.E.T (SPL)	7904149760	
11.	M. Banu Tekka	PET	9710737326	
12.	S. DUNITHA	PARENT	9600123140	
13.	R. KALPANA	"	9094721464	
14.	V. VANITHA	"	9003253915	
15.	S. ANANTHI	"		
16.	M. ANBALAGAN	"	9176973254	
17.	T. MOHANASUNDAR	"	8189971984	
18.	M. TAMIL SELVI	"		
19.	G. ARULSELVI	"	7550191670	

**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 (Nbrs)	98412 50567	
3	Dr. N. Ilanchezhiyan	Zonal Health officer - 1	94451 90061	 21/03/2021
4	Dr. A. MOTHAN	Zonal Health officer - 2	9894902672	
5	Dr. A. Pralhavathy	Zonal Health officer - 3	9445190063	
6	Dr. G. SHEELA	Zonal Health officer - 7	9445790067	 21/03/21
7	Dr. S. MAHALAKSHMI	Add. City Health officer (CHA)	9444495327	 1/3/2021
8	V Vishnu Vijay	Consultant	9962060182	 21/03/2021

Sl.No.	Name	Designation	Contact Number	Signature
9	N. ANANDARAJ	AEE / SWD	9994045544	
10	Uma Paulkomei.	SSS / Gcc.	96440 69686	
11				

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

AMBATTUR MUNICIPALITY HIGH SCHOOL,  
KAMARAJAPURAM.

சிறப்பு மணி	பெயர்	அதிகாரம்	கையொப்பம்
1.	பெ. ஜெயச்சந்தர்	X	பெ. ஜெயச்சந்தர்
2.	ரா. உ. தனுஷ்குமார்	X	ரா. உ. தனுஷ்குமார்
3.	சி. வி. விக்கினாஜ்	X	சி. வி. விக்கினாஜ்
4.	பி. எந்திரவேலு	X	பி. எந்திரவேலு
5.	பி. கார்ந்திக்	X	பி. கார்ந்திக்
6.	பி. ஜெயா	X	பி. ஜெயா
7.	பி. ஜெயா	X	பி. ஜெயா
8.	பி. கமலநாதன்	X	பி. கமலநாதன்
9.	பி. சி. சிவசுப்பிரமணியன்	X	பி. சி. சிவசுப்பிரமணியன்
10.	பி. கார்த்திக்	X	பி. கார்த்திக்
11.	பி. முன்னார்க்குமார்	X	பி. முன்னார்க்குமார்
12.	பி. விவீகன்	X	பி. விவீகன்
13.	பி. பி. பி	X	பி. பி. பி
14.	பி. ஜெயா	X	பி. ஜெயா
15.	பி. விஜயலக்ஷ்மி	X	பி. விஜயலக்ஷ்மி
16.	பி. சி. சிவசுப்பிரமணியன்	X	பி. சி. சிவசுப்பிரமணியன்
17.	பி. விஜயலக்ஷ்மி	X	பி. விஜயலக்ஷ்மி
18.	பி. கார்ந்திக்	X	பி. கார்ந்திக்



## 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/PU MS/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 ewIn cinerator

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



Current use of the land: Open Space next existing toilet



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	CM5		
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 2toilets 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 - Tiruvotiyur
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
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Division	10
School Name	CORPORATION MIDDLE SCHOOL
Location	Sannathi Street

Zone	01 - Tiruvotiyur		
Division	10		
School Name	CMS		
Location	Sannathi Street		
Address	Sannathi Street, Tiruvotiyur		
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	5
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



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

Proposed  
location for the  
additional two  
toilets

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-Mtnali		
Division	16		
School Name	CMS		
Location	Andarkuppam		
Address	Andarkuppam, Mtnali		
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	5
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	CMS
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 <sup>th</sup> 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	00-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 unnaal Toilets for girls 2 Toilets 6 unnaal
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	CM5		
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



Proposed location for  
the converting the toilet  
into privacy room

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 Koli St



Proposed location for the converting the toilet into privacy room



Proposed location for the one additional toilet for boys

space for toilet

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, Kathrivedu 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	CMS
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	CP5-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 urinal 10 Toilets for girls 10 Toilets urinal 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
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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 unnaal 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	CMS
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, Kallkuppam		
Address	Padasalai, Kallkuppam		
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 uninal platform For girls 5 toilet and 3 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	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
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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	

**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 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.



Currently scrub area

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

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	CMS
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 unnaal platform For girls 2 toilet and 2 unnaal 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	13.229436, 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	R/O water tank	No
2	Number of drinking outlets	2
3	Condition	Working

**RECOMMENDATIONS:**

1. To provide roof over existing urinal

Zone	01 - Tiruvotiyur
Division	01
School Name	CP5
Location	Mugathuvara Kuppam



To provide roof and proper doors for urinal

Proposed location for the roof for existing urinals