Adopting Integrated Urban Water Management in Indian Cities (AdoptIUWM)

Tender document for Pilot Project on
Improved slum infrastructure for one slum pocket (revival of defunct community toilet)
Kumthe, Solapur

Terms of Reference for Revival of Defunct Community Toilet in Kumthe Area of Solapur

Pilot Project title
Revival of Defunct Community Toilet in Kumthe Area of Solapur

Section 1: Background to AdoptIUWM Project
ICLEI South Asia in partnership with ICLEI European Secretariat and Association of Belgian Cities and Municipalities (VVSG) is implementing the European Commission funded Project on Adopting Integrated Urban Water Management in Indian Cities (AdoptIUWM) in 2 cities of Rajasthan (Kishangarh and Jaisalmer) and 2 cities of Maharashtra (Solapur and Ichalkaranji) for capacity building of cities towards closing the urban water loop by managing water, wastewater and storm water as part of the same cycle (interactions of waste with water are also being looked into).

Section 2: Background to Kumthe
Kumthe Area (near old Zila Parishad Hospital) is a peripheral pocket of urban poor located in Zone 4, ward no. 51 of Solapur city with an estimated population of nearly 300 households. Most residents are daily wage industrial workers. Owing to its location in the peripheral areas of the city, the settlement is expanding rapidly and several new tin sheds are coming up every month. The area comprises of a mix of kuccha, semi pukka and pukka houses but water supply and drainage infrastructure coverage is very low. The area has 2 or 3 defunct community toilets which have been abandoned due to water shortage and cleanliness issues. Owing to extremely low coverage of household toilets (around 25%), water paucity and lack of functional community toilets; open defecation around the area is prevalent but with the rapid urbanization in the Kumthe area, open areas for open defecation are reducing rapidly. Hence, residents realize the need for adequate toilet facilities.

Some households in the area are being provided individual household toilets under Swachh Bharat Mission but owing to water shortage, low coverage of households under Swachh Bharat Mission, lack of drainage connectivity and design issues (lack of light and ventilation) quite a few of these toilets are presently not being used (some are even being used as storage areas). Drainage network along some streets is being provided by the Municipality but connectivity of this drainage network with the mains and Sewage Treatment Plant will take a few years. Water supply line has also been provided in some parts of the area but full coverage can take several years. Based on consultations with households in Kumthe area and Solapur Municipal Corporation officials, it has been decided that in order to reduce open defecation in the area, revival of the selected community toilet (on pay and use basis) is required.

The existing community toilet block comprises of a male block (8 units) and a female block (12 units) located along the periphery of the pocket (with rapid growth of settlements taking place on all sides) has been identified by the community for revival. This community toilet has been provided with 2 septic tanks (one for each block) but the system is defunct. The toilet block was constructed in 2009 and has been defunct for several years but the superstructure and utilities are in reasonable condition, and are occasionally used. Revival of this community block can cater to nearly 100 to 150 families in the area.

Additional details of the community toilet are given in Annexure 4.

Section 3: Site considerations (Rainfall, geology)
Average annual rainfall: Varies between 543 to 859mm (Average 700mm)
Geology: Basalt rock (Deccan Trap) of volcanic origin comprising of 2 distinct horizons: massive and vesicular basalt

Section 4: Key interventions in Kumthe Community Toilet block
Based on surveys and stakeholder consultations, the following interventions are proposed for revival of the community toilet block:
1. Restoration of superstructure, interiors and access
2. Replacement of electrical fixtures, sanitary fixtures and plumbing, with separate facilities for children and elderly.
3. Provision of decentralized wastewater treatment plant to treat grey and black water from the toilet block
4. Adequate water supply provision through multiple sources: reuse of treated wastewater for flushing, connection to Municipal supply (stored in underground sump), connection to bore well and rain water harvesting to supplement water requirement
5. Provision of underground sump
6. Provision of lighting powered through a combination of solar power and connection to electricity network
7. Provision of adequate handwashing facilities
8. Tree plantation around the site
9. Additional activities to be associated with the toilet block to ensure utility value of the toilet block to the community
Section 5: Details of tasks required to be completed by the Contractor

**Provision of Facilities in both toilet blocks:**

a. Cleaning of site
b. Toilet pans: Toilet pans need to be changed to standard ceramic pans, with P or S trap and provision of one western WC in each block for elderly.
c. Doors: Doors need to be placed / replaced
d. Water tank: Water tank to be repaired; provision of overhead tank and an underground sump tank
e. Civil works: Plastering on walls to be carried out
f. Plumbing: Proper plumbing of the wastewater pipeline to be carried out to the treatment facility and plumbing connection for water supply to each toilet unit, including provision for flushing in each toilet unit
g. Lighting: Proper lighting in the cubicles and open area in the toilet is to be provided, preferably using a mix of solar energy and electricity connection
h. Painting: The entire structure needs re-painting, including door frames
i. Wash-basins: Recommended at least 2 wash-basins / hand-wash facilities in each section.

**Circulating Area:**

a. Clean the circulating area, with proper drainage
b. Replace / repair the broken flooring/slabs as required

**Water Supply**

a. Uninterrupted water supply is critical and would have to be provided through multiple sources to ensure water availability
   (i) Municipal connection to sump (ii) Rain water harvesting (iii) Reuse of treated wastewater for flushing (iv) Connection to bore well (can be coupled with solar pump)
b. Storage: An underground sump for storing water supply from ULB, especially during times of shortage
c. Water tanks: Repair of the existing tanks for water storage in each toilet block. Cover for the tanks to be provided to prevent evaporation losses and to maintain the water quality
d. 2 connections to existing municipal supply (one for each block) would be required
e. Connection to bore well (can be powered by solar pump)

**Treatment Unit**

a. Re-design the existing septic tank structure to facilitate DEWATS design of wastewater treatment for 12,000 litre daily wastewater generation from toilet blocks
b. Clean the existing tanks of the waste collected by the use of the toilet so far
c. Construction of treatment units within the existing septic tanks infrastructure
d. Commissioning of the treatment unit
e. Septage Management and disposal of existing septage and that generated when the toilet starts functioning

**Reuse of treated wastewater**

a. Set-up of a tertiary treatment unit, with dual piping for use of the treated wastewater in flushing the toilets

**Rainwater harvesting**

a. Integrated rainwater harvesting of the toilet super-structure to the existing water tanks
b. Design run-off rainwater harvesting to recharge the new bore-well

**Safety and surveillance**

a. Installation of CCTV (protected by wire caging) to cover the main entrance to male and female toilet blocks. Coverage of CCTV to be made monitored by designated authority
b. Safety gear for caretaker(s) including gloves, shoes/boots and adequate hand washing and sanitization facilities
c. Regular cleaning of all toilet units and common areas
d. Regular maintenance of wastewater treatment system

**Additional activities**

a. Tree plantation/gardens
b. Other activities that can be associated with the community toilet block to increase the utility value of the blocks for the community

**Operation and maintenance (O&M)**

a. Financial model for sustainability of the community toilet block in the long run needs to be developed
b. Provision for caretaker(s) cum cleaner(s)
c. Financial sustainability for the toilet block would have to be established and successfully demonstrated over the first 6 months.

All requisite permissions from Authorities are to be undertaken by the Contractor. ICLEI South Asia would facilitate the same but it would be the Contractors responsibility to procure these. Contractor would be required to procure a Utilization Certificate for completion of the project to the satisfaction of ICLEI South Asia and Municipal Corporation.

Section 6: Financial Sustainability of the Project

During stakeholder consultations, the community has expressed willingness to pay for provision of better toilet services. Payments can range between Rs. 50 to 100/household/month (final decision to be taken in consultation with Kumthe Toilet Management Committee). Additionally, some users preferred a ‘per use’ based payment structure. Hence a financial model for the community
toilet blocks with both these options (monthly fee and payment per use) needs to be provided (a) Monthly payment for use for families (b) Payment per use for individuals. The maximum amount that can be charged from users should not exceed Rs. 100/month/family and Rs. 5/person/use over first year. Contractor would have to take an annual approval from Municipal Council, ICLEI South Asia and Kumthe Toilet Management Committee on the usage fee being charged for the community toilet. The final amount would be decided in consultation with the community after renovation of the toilet block. The estimated catchment of the community toilet block is around 150 families. Since the area is rapidly expanding, a catchment population of 250 families over a 5 year period can be considered.

The Kumthe Toilet Committee would decide fund allocation for toilet maintenance activities and the earnings from user fee to the toilet block would be utilized for maintenance and improvement of the toilet block. Any profits from the community toilet can be used for area upgradation activities near community toilet, after consent from ICLEI South Asia and Solapur Municipal Corporation.

**Section 7: Kumthe Toilet Management Committee**

Kumthe Toilet Management Committee would be constituted within the Kumthe area for management of the community toilet. Members of this committee can include Ward Councillor, Municipal Sanitary Inspector, official(s) from ICLEI South Asia, male representative from Kumthe and female representative from Kumthe. The Committee would have a Chairman (can be the Councillor), a Pramukh (local head who should be a resident of Kumthe), one supporting member (Kumthe resident) and a Treasurer (Kumthe resident). At least one of these members should be a woman representative from Kumthe. All posts other than the Councillor should be occupied only be residents of Kumthe.

Role of the committee would include (but not limited to):

- Supervision of caretaker(s) cum cleaner
- Ensuring safety and surveillance of toilet blocks
- Ensuring adequate water supply and other infrastructural availability. In case of any issues, the same should be brought to the notice of the Contractor, ICLEI South Asia and Solapur Municipal Corporation at the earliest
- Committee would meet every month to take decisions on status of functioning and cleanliness of the toilet block. Decisions related to financial performance of the toilet block would also be taken during these meetings. In case of profit, decisions on investments of funds for toilet maintenance should be taken and in case of losses, measures to make the project financially sustainable would be implemented
- The local Pradhan would make a note of the date, members present and key points from each meeting. These minutes would be shared with ICLEI South Asia each month
- No percentage of the fees collected from toilet users would be used for any individual purposes. The entire amount would be spent on maintenance and upgradation of toilet block and community facilities around toilet block including payment of water supply charges, electricity charges, purchase of cleaning equipment and materials, salary of caretaker(s) cum cleaner, O&M of toilet block, decentralized wastewater treatment plant, etc.
- The Treasurer would keep weekly records of the users and collections from the toilet block. The Treasurer would also be responsible for safely keeping the amount collected from community toilet block for each week till the end of the month, when the Committee would meet and decide expenditure pattern for this amount (for toilet maintenance).
- In case of an emergency situation, the Committee should immediately inform the representative from ICLEI South Asia and Solapur Municipal Corporation
- The Committee should continuously update ICLEI South Asia on status of implementation and issues related to toilet blocks.
- The Committee should facilitate all visits and/or inspections by ICLEI South Asia and Solapur Municipal Corporation at any time
- At night, one male member from Kumthe Toilet Management Committee and one female member would retain the keys to the toilet block to ensure safety for women using the toilet at night in case of usage between 10 PM and 6 AM when the caretaker(s) is not present.
- Address any complaints received from users that require inputs from the Kumthe Toilet Management Committee.
- Overall supervision of the community toilet blocks

**Section 8: Operation and Maintenance of the project**

1. A minimum of one female caretaker cum cleaner should be provided for the toilet blocks (preferably one male and one female caretaker) daily from 6 AM to 10 PM or for the timing chosen by Kumthe Toilet Management Committee.
2. The caretaker(s) should be at the toilet block every day, including Saturday and Sunday. The caretaker(s) would also be required to be present at the toilet block on all festivals and government holidays. The duration of stay of the caretaker(s) during festivals or government holidays can be decided by the Kumthe Toilet Management Committee.
3. Official(s) from ICLEI South Asia or Solapur Municipal Corporation can visit the toilet block for surprise inspection at any time. The caretaker(s) shall be answerable to these visiting official(s) and shall cooperate with them.
4. The caretaker(s) should maintain a register and note time, name, gender, signature and amount paid for all users of both toilet blocks.
5. An attendance register for the caretaker(s) cum cleaner should be maintained.
6. In the event where the caretaker(s) is/are unwell or travelling and would not be able to visit the project site, an advance notice of one week (in case of travel) and half day (in case of illness) should be given to ICLEI South Asia and Kumthe Toilet Management Committee. The Contractor shall arrange for a replacement for the entire duration for which the caretaker(s) is absent. In an event where prior information could not be provided in case of sudden illness or other emergency, the contractor would get 24 hours to arrange for a substitute, failing which penalties would be charged in accordance with Section 24.

7. The caretaker(s) should collect the prescribed amount from all users.

8. The list of users and the collected fee should be submitted once every week by caretaker(s) to the designated person or official from Kumthe Toilet Management Committee. A copy of this list would also be shared with ICLEI South Asia official every week.

9. Number of users to the toilet block would be verified by ICLEI South Asia (using CCTV coverage and entries in the register) and collections from toilet blocks would be accordingly calculated. In case the collections submitted to Kumthe Toilet Management Committee by caretaker(s) don’t meet (within 10%) the calculated collections, notice would be issued to the Contractor in writing by ICLEI South Asia. The Contractor should address this issue within one week of the issue of notice and the pending payment from previous week along with the payment for the current week should be made to the Kumthe Toilet Committee.

10. If the caretaker(s) is found to indulge in malpractices, misbehaviour or addictive substances, a notice to the caretaker(s) and the Contractor would be given by ICLEI South Asia. In case of repeated office, the caretaker(s) can be immediately dismissed by ICLEI South Asia with notice to the Contractor for appointing a new caretaker(s) within one week.

11. Failure to collect fee from the users for two subsequent weeks can invite penalties and termination of contract with fine in accordance with Section 24.

12. The contractor would be required to maintain a complaint register on site and any complaints registered should be resolved within 24 hrs. In case of complaints that are not resolved within 24 hours, a time of up to one week can be given to the contractor (with written permission from ICLEI South Asia). Failure to address the complaint(s) within a week can invite penalties and termination in accordance with Section 24.

13. The caretaker(s) would be required to maintain a register for cleaning of toilet blocks and time and person undertaking cleaning of the toilet blocks should be noted here. This list should be weekly shared with ICLEI South Asia every week and should bear the signature of designated local person from Kumthe Toilet Management Committee.

14. The caretaker(s) should be responsible for filling of the sump with water from municipal supply and supplement with bore well supply, if required, on a daily basis. The timings of the caretaker(s) cum cleaner can be decided according to the timing of water supply to the area.

15. The caretaker(s) should ensure proper functioning of the decentralized wastewater system, circulation of treated wastewater to the toilets for flushing, proper functioning of tertiary treatment facility and maintenance of hand washing facility along with all other facilities and equipment within or related to community toilet blocks and their maintenance.

16. The caretaker(s) and contractor should ensure safety of all equipment and facilities provided in or for the community toilet block.

17. The caretaker(s) should ensure proper flushing of the toilets, preferably after every use, but maximum at an hourly interval.

18. All costs for electricity, water supply, cleaning equipment, etc. are to be recovered from user charges. No additional payments for any item were made by ICLEI South Asia or users or Kumthe Toilet Management Committee.

19. The caretaker(s) cum cleaner should ensure adequate water availability for toilet use and adequate availability of handwashing soap for users.

20. The caretaker(s) cum cleaner should ensure that common areas and areas within the toilet are not slippery and are maintained clean.

21. The caretaker(s) should ensure that all plants or planters at project site or at decentralized wastewater treatment facility or those planted under the project should be regularly watered and maintained.

22. Caretaker(s) should be literate and courteous towards users.

23. The community toilet would be a no smoking zone and instructions for this shall be displayed in both toilet blocks.

Section 9: Safety and surveillance

Safety of the toilet block should be ensured by the contractor for the first 6 months of functioning after renovation. The following measures need to be taken by the contractor:

1. Provision of CCTV at the main entrance of male and female toilet block. The CCTV should not cover any part of the toilet complex that can infringe the privacy of the user. The footage of the CCTV should be made available with the designated official/representative assigned for the task by the Kumthe Toilet Management Committee.

2. Provision of safety equipment like boots/shoes, gloves and jacket to caretaker(s) cum cleaners.

3. Provision of all equipment and solutions/items required for maintaining adequate cleanliness and hygiene standards, to the satisfaction of ICLEI South Asia, Kumthe Toilet Management Committee & Solapur Municipal Corporation.

4. Each toilet should preferably be cleaned after every use by the caretaker(s) cum cleaner. A maximum of hourly interval can be maintained before cleaning of toilet units.

5. Regular cleaning and maintenance of the decentralized wastewater treatment system should also be undertaken by the caretaker(s), as prescribed by ICLEI South Asia.

6. Special care should be taken by the Contractor to ensure safety of children and elderly toilet users.
7. Expensive equipment like CCTV and/or solar water pump and/or ultra violet filtration unit, if provided, should be maintained safely by maintaining adequate height and distance from the ground, ensuring caging around the equipment and other measures, finalized in consultation with ICLEI South Asia and Solapur Municipal Corporation.

8. Eco friendly chemicals or agents are to be used for toilet maintenance.

9. The floor of toilet units, common area and entrance should be maintained cleaned and dry to the extent possible and to ensure that no inconvenience is caused to users.

Section 10: Quality Control

1. Officials from ICLEI South Asia or Solapur Municipal Corporation would undertake regular inspection of the site work during implementation phase as well as during the 6 month Operation and Maintenance phase. The officials shall check the Contractor’s work and notify the Contractor of any Defects that are found. The officials from ICLEI South Asia and/or Solapur Municipal Corporation can visit the site at any time for inspection without prior notice and can instruct the Contractor to search for a Defect and to uncover and test any work that the Official considers may have a defect.

2. The Contractor shall permit the official(s) from ICLEI South Asia or Solapur Municipal Corporation to check the work and notify the Contractor of any defects that are found.

3. If the official instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a defect all such test/tests shall be carried out by the Contractor at his own cost and shall be deemed to be included in the rates given by Contractor.

4. The official(s) from ICLEI South Asia and/or Solapur Municipal Corporation can give notice to the Contractor informing him/her of any defects after or during implementation and/or during Operation and Maintenance phase. Every time notice of a defect is given, the Contractor shall correct the notified Defect within the length of time specified by ICLEI South Asia in the Notice issued to the Contractor for defect correction. If the Contractor has not corrected a defect within the time specified in the notice, ICLEI South Asia will assess the cost of having the defect corrected, and the amount will be recovered from the Contractor.

5. The official(s) from ICLEI South Asia and Solapur Municipal Corporation can undertake survey of the Kumthe residents and get feedback from them on the functioning of toilet block, behaviour of caretaker(s), fee/user charges taken, etc. The Contractor and/or caretaker(s) shall facilitate and show cooperation for all such inspections and surveys.

6. All material supplied or used for the project shall be in accordance with National Standards. Officials from ICLEI South Asia and/or Solapur Municipal Corporation can inspect the materials being used for the implementation work and any material found defective or below standards would have be to be replaced by the Contractor at own cost. ICLEI South Asia would not be liable to pay any costs of material/labour/transport/other for any below standard material used for implementation.

7. In case a defective or below standard material is found by the officials from ICLEI South Asia and/or Solapur Municipal Corporation, the same shall be notified to the Contractor in writing and the Contractor would be required to replace the material within 15 days of letter of notification. In case of failure to replace the material, ICLEI South Asia reserves the right to stop implementation work on site and delays or termination in accordance with Section 24 would be charged.

8. The Contractor would provide a board on the toilet blocks mentioning the name of toilet block, AdoptIUWM project name, European Commission support as well as logos of ICLEI South Asia and project partners.

9. Contact details of Contractor, caretaker(s), Kumthe Toilet Committee Pradhan and ICLEI South Asia official should be displayed in both toilet blocks during the entire O&M phase.

10. The Contractor cannot sublet the entire work or any subcomponent of the work unless agreed in writing with ICLEI South Asia. In case of subcontracting, the costs would have to be borne by the contractor and ICLEI South Asia shall not liable to pay any costs to the subcontractor. Management of the subcontractor would be the responsibility of the Contractor.

11. Protection of works or material during construction period shall be the sole responsibility of the Contractor. ICLEI South Asia shall not be liable to any damage/claim arising from this.

12. The Contractor should ensure that pipes don’t lead to any leakages. In case of leakages detected during implementation or during O&M phase, the Contractor shall permanently fix these leakages at own cost.

13. The Contractor shall ensure safety and proper functioning of all equipment and systems on site.

14. The Contractor shall train the caretaker(s) and stakeholders in maintenance of individual and community level systems and structures created to ensure regular O&M post withdrawal of support.

15. The material waste from construction work shall be used or disposed of by the contractor in accordance with the standards.

16. The Contractor should ensure that waste piles for more than one week are not maintained on site.
17. All material purchased by the Contractor as part of the contract shall be new and of best quality according to the specifications and shall be free from defects (Including concealed fault, deficiency in design, material and workmanship). The Contractor shall take approval (on quality of material) from representative from ICLEI South Asia or Solapur Municipal Corporation at the time of delivery of material on site or at the time of use for construction or other works on site. Materials replaced / repaired under guarantee / warrante period shall have further warranty for a period of 12 months from the date of repair / replacement.

18. The Contractor should ensure that adequate signage and write-ups are provided for both toilet blocks to enable distinction between male and female toilet blocks.

19. Night lighting for all units and at the entrance of both toilet blocks is to be ensured by the Contractor.

20. During the contract period, any broken floor or wall tiles/plumbing/other services are to be replaced within 3 days of such event at the cost of the Contractor with similar model/type.

21. The staff provided at the toilet blocks should be trained and be courteous towards the users and assist handicapped and old age users.

22. Provisions should be made by the contractor to ensure that the floor of the toilet units or the common areas of both toilet blocks and the entrance to both the toilet blocks are non-slippery at all times. Any accidents or damaged caused to users or any other person due to slipping on the toilet floor would be the liability of the Contractor and ICLEI South Asia would have no legal or financial bindings for the incident or any implications arising out of the incident.

23. The Contractor shall repair, maintain and operate the allotted toilet block with structure, sanitary and electrical fittings and fixtures, in good condition, during the contract period.

24. Contractor should ensure that roofs of both toilet blocks are water proof to prevent any leakages.

25. Toilet block or part thereof cannot be used for residential purposes by anyone.

26. Floor of the toilet should gently slope towards the drain and/or the pan.

27. Size of fixtures used should be as per National standards.

28. Separate ladies and gents sections should be constructed and maintained. Entry of other gender shall not be permitted in any block.

29. Flushing provision required for all toilets.

30. All information displayed at the toilet block should be in English/Hindi and Marathi.

31. Samples or details of items should be discussed (including specifications/brand/make) with ICLEI South Asia and Solapur Municipal Corporation before ordering. If upon delivery without prior approval, the product is found below standards, the contractor would have to replace the same with good quality product, as per the satisfaction of ICLEI South Asia, at own costs.

32. Provision of litter bins should be ensured in both toilet blocks. Facility for collection of sanitary products should be provided in female toilet blocks.

33. Any issues related to the toilet block maintenance or choking of drains or fixtures or clogging of wastewater treatment system, etc should be resolved by the contractor at own costs. In exceptional cases, funding from user charges can be used for such activities, with prior approval of Kumthe Toilet Management Committee and ICLEI South Asia.

34. Prevention of encroachment in and around toilet block should be ensured.

35. The Contractor may be allowed to display advertisement, preferably illuminated on the interior and exterior walls (maximum of 75%) of the toilet building. However, the advertisements displayed shall not be repugnant to the general standards of morality and should not hurt the religious sentiments of any section of the society or compete with services provided.

36. The contractor would participate in IEC activities to train the community on proper use of toilet blocks, in partnership with ICLEI South Asia. IEC material can be displayed on the walls of the toilet blocks.

37. Any excavations required for implementation should be undertaken in consultation with ICLEI South Asia and Solapur Municipal Corporation to ensure that no foundations or pipes or existing groundwater flow paths are adversely impacted by the excavation.

38. In instances where despite due precautions and monitoring any leakage or other external factors lead to polluted water infiltration from the structures built under the project, managing such instances (along with the cost required for preventive measures) and mitigation of related impacts shall be the liability of the Contractor. ICLEI South Asia shall not be liable for this or any legal implications arising out of such acts.

39. Contractor should ensure that water quality testing by per State/National government certified agencies in accordance with National standards for the decentralized wastewater treatment plant at two month interval during O&M phase.

Section 11: Layout of structures on Site
Annex 1

Section 12: Design specifications
Annex 2

Section 13: Other key specifications
Annex 3
Section 14: Eligibility Criteria

Organizations or individuals can bid for this contract. The following conditions are required for eligibility for this project:

1. Minimum 5 years of experience in implementing similar projects related to toilet construction and/or maintenance of toilet/toilet blocks
2. Contractor should have carried out successful completion of work for at least three community toilets within last three years. Contractors who have also undertaken successful operation and maintenance of blocks along with construction of these blocks would be given preference. Contractors should furnish the self-attested copy of work orders for these works and a copy of certificates for satisfactory construction of toilets and their operation & maintenance from the same Institution should be submitted at the time of bidding
3. Minimum turnover of Rs. 25 lakh during last 2 years would be required in case of organizations and minimum of 3 Utilization Certificates or other completion documents for projects exceeding 20 lakh rupees (for last 2 years) each would be required in case of individuals
4. Experience of working in the State or city would be an additional benefit
5. Contractors with experience in Operation and Maintenance of toilet blocks and willing to engage in O&M of Kumthe toilet blocks in the long term would be preferred

Section 15: Details required in contract document

Technical Bid
1. Credentials of organization and or individual
2. CVs of personnel to be involved in the project and committed mandays. The CVs once submitted cannot be changed without prior permission of ICLEI South Asia in writing
3. Details of at least 3 similar previous projects implemented by the organization/individual showing pre and post project impacts with documentary proof for the same
4. List of permissions/registrations that would be required for successful implementation of the project
5. Timelines for implementation (construction is to be completed within a maximum of 2 months from the day of award of project, O&M (Operation and maintenance) of project for at least 6 month after completion. Weekly schedule of implementation activities should be submitted with the bid document)
6. Methodology for community engagement and training of community in O&M of structures created
7. Measures required for O&M post implementation
8. Financial model for sustainability of toilet block in the long term
9. Tender Submission Form (Annexure 5)

Financial bid
1. Financial bid for tasks listed in the bid document and Annexure 1, 2 and 3. The total cost should include implementation costs and costs for 6 months O&M of the structure and systems created
2. Item wise break up for all annexure components (in accordance with Annex 3)

Note: All Technical and Financial bids should preferably be in English. The financial bid should be in accordance with the State government Schedule of Rates. Financial bid should include all costs including taxes, transport, labour, etc and should be all inclusive. Tenderers are encouraged to visit the site before submission of bid.

Soft copy of the tender document (technical and financial) should be mailed to ICLEI South Asia on the details mentioned in this document.

Section 16: Ernest Money Deposit

The selected Contractor would be required to submit an Ernest Money Deposit worth 5% of the total tender cost finalized with ICLEI South Asia (after negotiations). This amount would be deposited as security of bank guarantee from Nationalized bank and the selected Contractor shall have to sign a contract with ICLEI South Asia within 15 days of award of project. Upon successful completion of project, this amount would be added to the final payment made to the Contractor. The Ernest Money Deposit should be deposited by successful Contractor at the time of signing the Contractor through Demand Draft in favour of ICLEI South Asia, payable at New Delhi. Ernest Money Deposit should be valid for a duration of 8 months from the date of submission of bid.

Section 17: Terms of Payment

First instalment: 25% mobilization advance against Ernest Money Deposit (valid for 8 month period) and submission of:
- Finalized Financial management plan for the toilet blocks after approval of Kumthe Toilet Management Committee, Solapur Municipal Corporation and ICLEI South Asia
- Any modifications to the design or bill of quantities (after site visit with ICLEI South Asia and Technical Consultant) and with the consent/approval of ICLEI South Asia

Second instalment: 30% against bills for purchase and delivery of all material on site and completion of all necessary scrapping or part demolition work on site.
Third instalment: 25% on completion of implementation work including the following tasks and submission of reports:

- Completion of renovation of both toilet blocks in accordance with details given in the bid document and Annexure 1, 2 and 3
- Completion of implementation of decentralized wastewater treatment plant
- Inauguration and Initiation of use of pay and use toilet facility
- Provision of at least one female caretaker cum cleaner at the toilet block (preferably a male and a female caretaker) from 6AM to 10 PM (or at a timing decided by Kumthe Toilet Management Committee) daily including weekends.
- Operation and maintenance for at least one month with no more than 20% deficit in running the toilet
- Training of caretaker(s) in O&M of toilet block and decentralized wastewater treatment system
- Participation in Focus Group discussions, stakeholder workshops or other project workshops, as per requirement of ICLEI South Asia
- Report on completion of works (3 months from award of contract) giving all details of technical specifications and costing used for the project and financial model being used for the project O&M (with details of successful use for one month period)
- At least one month of successful operation and maintenance of toilet block
- Daily collection reports and number of visitors for one month

Fourth instalment: 20% after 6 months of successful use and financial sustainability (to the satisfaction of ICLEI South Asia and Solapur Municipal Corporation) of the project and successful demonstration of impact of project on reducing open defecation in the area and completion of following tasks and submission of reports:

- Successful functioning of toilet block for at least 6 months
- Ensuring financial sustainability of the community toilet blocks and demonstration of at least 10% profit generation from user charges after investments in maintenance of the blocks.
- Average daily usage by at least 150 persons
- Closure report including O&M details for structure and reports for 6 month monitoring of the project
- Training of members from Kumthe Toilet Management Committee in Operation and Maintenance of toilet blocks and decentralized wastewater treatment system

Section 18: Timelines

The Contractor would be required to complete the renovation of toilet blocks within 2 months of award of contract and would be required to undertake Operation and Maintenance for the next 6 months as part of the contract. The Contractor is required to submit a weekly schedule of activities as part of the bid document. Any deviation of more than one week from the proposed schedule would invite penalties/termination in accordance with Section 24.

In case of any with cost extensions to the project to ICLEI South Asia by European Commission, the same shall be applicable to the contractor also. In case of any no cost extensions to the project to ICLEI South Asia by European Commission, the same shall be applicable to the Contractor for the same scope of work. For the purpose of reporting to European Commission, upto a maximum of 3 months after completion of the project, inputs from the contractor might be sought by ICLEI South Asia and the contractor would be required to provide the same.

Section 19: Operation and Maintenance

The contractor would be responsible for Operation and Maintenance of the facility for a period of 6 months after construction.

Section 20: Labour and Material

1. All labour required for the completion of the task would be provided by the Contractor in accordance with the laws of the land
2. Any incidents that occur on site or with the labour during the course of the contract would be the liability of the Contractor alone. ICLEI South Asia, Kumthe Toilet Management Committee and Solapur Municipal Corporation would not have any liability in such case
3. The entire responsibility of proper conduct and safety of the caretaker(s) cum cleaners would be with the Contractor
4. The costs of travel to and from the site for the caretaker(s) cum cleaner are to be met from the respective salary. No additional payment would be made for this
5. Contractor’s supervisor should visit the site weekly or twice a week to compile user list and collate user charges
6. All labour or manpower involved in the project by the Contractor should be above 18 years of age
7. The Contractor shall in respect of labour employed by him or his sub-contractor comply with or cause to be complied with the Contractor Labour Regulation in regard to all matters provided therein.
8. Any loss of material or accidents or loss of life during the course of the contract would be the sole responsibility of the Contractor.
9. Contractor has to make his own arrangement for power and water required for implementation work. In any circumstances water and water tanker or electricity connection will not be provided by Corporation or ICLEI South Asia. Any other terms for water tanker or electricity supply or generator will not be accepted.
10. The Contractor shall maintain safety of workers on site and should provide the appropriate safety equipment and gears for the same. No additional costs for this can be charged to ICLEI South Asia.

11. The Contractor shall indemnify and keep indemnified ICLEI South Asia and Solapur Municipal Corporation against:
   i. Any claim arising out of third party loss/damage to life or property caused by/during execution of the work.
   ii. Any claim arising out of loss/damage to the workmen engaged by the contractor during execution of the work.
   iii. Any claim due to non-compliance of applicable PF/Labour laws, ESI regulations etc.
   iv. Any claims arising from any accidents or emergency situations related to labour or residents, arising from the project, during the course of the tender.

12. The Contractor should maintain an attendance register on site during implementation phase and ensure all workers mark their attendance and signature. This list can be checked at any time by ICLEI South Asia representative.

13. Drinking water, food and other requirements for the labour shall be met by the Contractor.

14. The Compliance of the Safety and Health provisions are of utmost important to ICLEI South Asia. The Contractors must note that ICLEI South Asia will take a serious view of any noncompliance report of Safety norms and standards. ICLEI South Asia has a right to order stoppage of work till rectification is carried out for all safety norms and standards.

15. Provision of First Aid Kit should be ensured on site during the entire implementation period and 6 month O&M period by the Contractor.

16. Information on Emergency contact numbers and details shall be provided to labour supervisor by the Contractor.

**Section 21: Complaint Redressal**

1. The Contractor shall ensure that the work on site should be conducted such that no construction or other works lead to any disturbance or complaints from the residents of the area or Solapur Municipal Corporation or ICLEI South Asia.

2. Any complaints arising during the implementation phase or during the 6 month operation and maintenance period after implementation would be the responsibility of the Contractor and ICLEI South Asia would not be liable to address these complaints.

3. In case of any complaints related to quality or timing or other aspects of the work or material used for the project (by residents of the area or Municipal Corporation or ICLEI South Asia), the Contractor shall be liable to address the same within 48 hours of the complaint being informed to the Contractor (verbally or in writing) at own cost. In case of failure to address complaints within the stipulated time, a written notice shall be sent to the Contractor by ICLEI South Asia to resolve the complaint within a period of one week. In case of noncompliance to meet the terms of the notice, the Contractor can be penalized or the contract can be terminated at ICLEI South Asia’s discretion in accordance with Section 24.

**Section 22: Variations during implementation**

If during implementation, the Contractor and ICLEI South Asia deem it necessary to undertake any task or implement any works that were not envisaged at the time of contract signing but are crucial for successful implementation of the Contract and it has been verified that the Contractor did not intentionally hide such a requirement or the task is not arising due to incompetence or inexperience of the contractor, then in such cases, an amendment to the Contract would be required for the project as an annexure. The costing for this additional task shall be as per the item wise costs quoted by the Contractor at the time of bidding and the total amount of such variation cannot exceed 20% of the total Contract value.

**Section 23: Extension**

Any extensions to the contract can only be entertained if approved by ICLEI South Asia in writing. In such cases, the financial bid for the contract shall remain unchanged. No additional payments would be entertained for the extension period.

**Section 24: Penalty and Termination of Contract**

1. Failing the delivery schedule mentioned in the contract document, a penalty at the rate of 1% (of the total tender cost) per week with maximum ceiling of 10% will be charged for non-completion of the work in prescribed time limit. If the work is not completed during this penalty period, then contract will be terminated, Ernest Money Deposit will be forfeited and Contractor can be black listed.

2. In case of termination of Contract, the Contractor shall be paid on pro rata basis for the services successfully delivered to the satisfaction of ICLEI South Asia till the time of termination of Contract.

3. Penalty would not be applicable of the delay is due to:
   (a) Force majeure or (b) Abnormally bad weather or (c) Serious loss or damage by fire, or (d) Civil commotion, local combination of workmen strike or lockout, affecting any of the trades employed on the work, or € Any other cause, which, in the absolute discretion of ICLEI South Asia, is beyond the Contractor’s control.

4. Then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to ICLEI South Asia but shall nevertheless use constantly his/her best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the ICLEI South Asia to proceed with the Works.
Section 25: Dispute Resolution
In case of conflict, both parties shall use their best endeavours to settle any dispute or claim arising out of or relating to the Contract and their attachments thereto through amicable discussions. If not amicably settled within sixty (60) days of the dispute or claim arising, the decision of ICLEI South Asia would be considered binding. In case the Contractor has objections to the decision of ICLEI South Asia, the dispute would be decided by a panel of three (3) external Arbitrators chosen mutually by ICLEI South Asia and the Contractor. The parties agree that the decision of the majority of the Arbitrators so appointed shall be final and binding upon the parties.

Section 26: Corrupt or Fraudulent Practices
1. ICLEI South Asia expects the Contractors to observe the highest standard of ethics and integrity during the procurement and execution of such Contracts.
2. If any bidder, even after selection, is found to indulge in malpractices or is found to have submitted false information at the time of submitting the bid or the quality of work is not found satisfactory by ICLEI South Asia, such Contractor can be disqualified by ICLEI South Asia after giving a written notice. If the Contractor fails to produce justification to the satisfaction of ICLEI South Asia or continues with the malpractices, ICLEI South Asia can terminate such a Contract at any time without giving prior notice.

Section 27: Bid Validity
All bids submitted shall remain valid for a period of 90 days from the time of submission. Any bids submitted for a lesser duration can be disqualified.

Section 28: Deliverables
- Revival of community toilet blocks (including interiors, superstructure, plumbing, decentralized wastewater treatment, rainwater harvesting and other components discussed in this document and annexure documents) for both male and female blocks:
  a. 8 blocks in male toilet
  b. 12 blocks in female toilet
- Training of caretaker(s) and representatives from Kumthe Toilet Management Committee in operation and maintenance of the toilet blocks and decentralized wastewater treatment system
- Finalized Financial management plan for the toilet blocks
- Completion of implementation of decentralized wastewater treatment plant
- Inauguration and Initiation of use of pay and use toilet facility
- Provision of at least one female caretaker cum cleaner at the toilet block (preferably a male and a female caretaker) from 6AM to 10 PM daily including weekends.
- Participation in Focus Group discussions, stakeholder workshops or other project workshops, as per requirement of ICLEI South Asia
- Average daily usage by at least 150 persons
- Successfully showing financial sustainability of the community toilet blocks for 6 months and demonstration of at least 10% excess funds from user charges after investments in maintenance of the blocks after 6 months of functioning.
- Reporting: The contractor shall submit the following reports to ICLEI South Asia:
  a. Final technical report with costing estimates and detailing of designs and bill of quantities before initiation of implementation work
  b. Completion report for construction works (3 months from award of contract) giving all details of technical specifications and costing used for the project and details of usage and user fee recovery over one month period
  c. Closure report including O&M details for structure and reports for 6 month monitoring (especially focusing on financial sustainability) of the project

Section 29: Force Majeure
Contractor would take all necessary steps to ensure prompt delivery. They would not, however, be held responsible for any delays due to circumstances beyond control. ICLEI SA would not have any liability in case of circumstances beyond control arising from natural disasters or manmade disasters or act of God.

Section 30: Duration of Tender
This tender would remain open for a duration of 15 days from the day of issue. Interests sent by the Contractors would be evaluated on the basis of Technical Proposal (50%) and financial proposal (50%). The shortlisted Contractor(s) (one or two maximum) would be interviewed and would be required to give a presentation to the Municipality (costs of this meeting are to be borne by the Contractor). After approval of Municipality, the Contractor would be finalized.
Section 31: Notification of successful Consultant

The bid shall remain open for a total of 15 days from the day of floating the tender. Successful/shortlisted Consultant(s) would be notified latest by September 15th, 2016.

Section 32: Additional Information

- Minor changes might be made to the proposed designs based on actual implementation planning and would be discussed with the selected Contractor before finalization
- ICLEI South Asia has the authority to call of this tender or make any changes or amendments to the contents of this tender in part or full, at any time, without giving any reason. The tenderers shall have no cause for objection or claim or action against ICLEI South Asia or Solapur Municipal Corporation for not selecting their tender.
- Sales Tax, VAT/TIN/PAN registration number should be mentioned in the tender document and the bills/invoices raised after selection
- Financial sustainability of the project would be the complete responsibility of the contractor and ICLEI South Asia would have no liability, financial or legal, in case of losses incurred in O&M of the toilet block
- The Contractor would be answerable to ICLEI South Asia, Kumthe Toilet Management Committee and representative(s) from Solapur Municipal Corporation. A tripartite agreement would be undertaken between ICLEI South Asia Contractor and Solapur Municipal Corporation.
- The Contractor would have to raise an invoice for payment at each stage along with the required supporting documents
- Financial bid quoted by the Contractor shall be inclusive of all taxes and additional costs. No other costs, than those mentioned in the contract shall be entertained unless agreed mutually between ICLEI South Asia and the Contractor
- All costs of transportation of material to the site are to be borne by the Contractor. No additional payments shall be made for this
- Bids where the unit rates are found to be significantly higher than the standard costs can be disqualified
- The total cost of tender and item rates for the contract shall be fixed for the entire duration of the contract and no changes to the same shall be entertained at any cost
- Any bore well drilled under the project shall remain the property of the Solapur Municipal Council. Maintenance and servicing/repairs for the same shall be undertaken by the Solapur Municipal Council at own costs.
- Solapur Municipal Corporation shall be responsible for provision of water supply and electricity connection to the toilet
- ICLEI South Asia might enter into negotiations on the financial bid with the shortlisted Contractor(s)
- The Contractor and/or any staff or subcontractor associated with the Contractor can be liable to audit or check by staff from European Commission and Contractor and all such staff or subcontractors shall cooperate in case of such audits or site visits by European Commission.
- Contractors can request for prebid conference call or site visit (at own cost) before submitting the tender
- Conditional tenders would not be accepted

Section 33: Contact person

Ms. Meesha Tandon, Senior Manager, Sustainability Management, ICLEI South Asia, Email: meesha.tandon@iclei.org
Address: ICLEI South Asia, NSIC Complex, Okhla Industrial Estate, New Delhi 110020
Tel: 91 11 4106 7220
Fax: 91 11 4106 7221
Annexure 1: Layout of Toilet blocks

Male Toilet Block

Female Toilet Block
Decentralized Wastewater Treatment Plant
**Annexure 2: Key Specifications**

**Financial Estimates**
Contractor is requested to provide quote for material and services required for implementation of the following works. The Contractor should note that the tasks listed can change subject to the site visit before release of first instalment, after approval from ICLEI South Asia in writing. The total cost of Contract, however, shall remain the same and no changes shall be made to the cost of contract. Please note that all works are to be read in conjunction with the bid document and the annexure documents.

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Item</th>
<th>Qty</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cleaning Site by flushing water</td>
<td>lump</td>
<td>lump</td>
</tr>
<tr>
<td>2</td>
<td>Removing Doors &amp; windows with frames and stacking the materials as directed with all leads and lifts</td>
<td>20</td>
<td>Nos</td>
</tr>
<tr>
<td>3</td>
<td>Pans including disconnecting the sanitary and water supply connections removing and breaking flooring and bed concrete around the pan removing the same carefully and stacking the serviceable materials as and where directed including throughing un serviceable material out side</td>
<td>20</td>
<td>Nos</td>
</tr>
<tr>
<td>4</td>
<td>Removing Shabad or Tandur stones from floor without bed concrete including stacking the material as directed with all leads and lift etc comp.</td>
<td>20</td>
<td>Sqm</td>
</tr>
<tr>
<td>5</td>
<td>Removing Earthen. stone ware pipes and stacking the material as directed with all lead and lifts</td>
<td>25</td>
<td>Rmt</td>
</tr>
<tr>
<td>6</td>
<td>Providing and fixing Orissa type white glazed earthware 575 mm water closet pan including S trap with earthenware foot rest Cast iron soil and vent pipe up to out side of wall 1:2:4 brick lime/ cement concrete bedding without flushing tank and its accessories etc. comp.</td>
<td>18</td>
<td>Nos</td>
</tr>
<tr>
<td>7</td>
<td>Providing &amp; Fixing 32 mm thick one piece singal moulded pull Western style WCs</td>
<td>2</td>
<td>Nos</td>
</tr>
<tr>
<td></td>
<td>Provision of low height doors in 2 toilets (one male and one female) for children</td>
<td>2</td>
<td>Nos</td>
</tr>
<tr>
<td>Item No.</td>
<td>Description</td>
<td>Quantity</td>
<td>Unit</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>8</td>
<td>Providing and laying plaster externally in cement mortar using approved screened sand in all positions including base coat 15 mm thick in cement mortar 1:4 using waterproof compound 1 t 1 kg per cement bag curing the same not less than 2 days and keeping the surface base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 &amp; curing etc comp.</td>
<td>25</td>
<td>sqm</td>
</tr>
<tr>
<td>9</td>
<td>Providing and laying Rough Shabad Stone flooring 25 to 30 mm thick and of required width in plain/diamond pattern on bed of 1:6 C.M including cement float striking out joints, pointing in cement mortar 1:3 curing and cleaning etc comp.</td>
<td>20</td>
<td>sqm</td>
</tr>
<tr>
<td>10</td>
<td>Providing and laying ceramic tiles of RAK/Kajaria Nitco/ Asian or equivalent make having size 30 x 30 cm confirming IS 15622/2006 and 7 to 8 mm thick for dado/skirting in required position with readymade adhesive morter of approved quality on plaster 1:2 cement mortar including joint filling with white/colour cement slurry cleaning curing etc comp.</td>
<td>79.2</td>
<td>Sqm</td>
</tr>
<tr>
<td>11</td>
<td>Providing and applying washable oil bound distamper of approved colour and shade to old &amp; new surface in two coats including scaffolding and preparing the surface (excluding primer coat) etc comp.</td>
<td>350</td>
<td>sqm</td>
</tr>
<tr>
<td>Item no</td>
<td>Item</td>
<td>Quantity</td>
<td>Number</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------------------------------------------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>12</td>
<td>Item no. 12 Providing electrification to each toilet with solar system backup</td>
<td>24</td>
<td>Points</td>
</tr>
<tr>
<td>13</td>
<td>Item no. 13 Provision of pipe line and 2 connections (one for each block) for water supply from Corporation pipeline to sump</td>
<td>lumpsum</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Plumbing to connect toilet blocks with sump, rain water harvesting, bore well and decentralized wastewater treatment plant</td>
<td>20</td>
<td>Nos</td>
</tr>
<tr>
<td>15</td>
<td>Provision of hand washing facilities (liquid soap retainer with soap, one per toilet block) with bottle trap and connection to decentralized wastewater treatment plant</td>
<td>2</td>
<td>Nos</td>
</tr>
<tr>
<td>16</td>
<td>Provision/upgradation of ventilators in all toilet units</td>
<td>20</td>
<td>Nos</td>
</tr>
<tr>
<td>17</td>
<td>Replacement and covering of wastewater pipes connecting toilet units to the wastewater treatment plant</td>
<td>20</td>
<td>Nos</td>
</tr>
<tr>
<td>18</td>
<td>Internal Latches and external locks on all doors</td>
<td>20+20</td>
<td>Nos</td>
</tr>
<tr>
<td>19</td>
<td>Internal and external handle on all doors</td>
<td>20+20</td>
<td>Nos</td>
</tr>
<tr>
<td>20</td>
<td>Lighting connection and units for common area of both toilet blocks</td>
<td>4</td>
<td>Nos</td>
</tr>
<tr>
<td>21</td>
<td>CCTV for both blocks</td>
<td>2</td>
<td>Nos</td>
</tr>
<tr>
<td>22</td>
<td>Improvement of flooring of common areas of both toilet blocks</td>
<td>lumpsum</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Provision for flushing of all toilet units</td>
<td>20</td>
<td>nos</td>
</tr>
<tr>
<td>24</td>
<td>Provision of dustbins in each toilet block and provision for collection of sanitary items in female block</td>
<td>3</td>
<td>Nos</td>
</tr>
</tbody>
</table>
| 25     | Rain water harvesting system for both toilet block roofs (down take pipe, rain water filter)  
  a. Providing and fixing on wall face plasticised Rigid PVC rain water pipes conforming to IS: 13592 type A including jointing with seal ring confirming to IS:5382 leaving 10 mm gap for thermal expansion, if required  
  b. Collection of harvested water in tanks  
  c. Rain water harvesting to recharge bore well | Multiple | Nos    |
| 26     | Water supply  
  a. Water tank repairs and provision of cover for the water tanks  
  b. Underground RCC water storage | 10       | Cum    |
|        | c. Connections from Municipal supply to sump to be provided by Solapur Municipal Corporation (Point 13) |          |        |
|        | d. Connection to bore well Can be provided by Solapur Municipal Corporation |          |        |
| 27     | Reuse of treated wastewater  
  a. Set up of overhead tank with piping  
  b. Preliminary Chlorine dosing tank and provisions  
  c. Pump and water distribution system |          |        |
| 28     | Additional work, to be taken up subject to funding availability  
  a. Provision of UV filtration unit for tertiary treatment of treated wastewater from decentralized wastewater treatment plant (pump, ACF, PSF, UV, filter with housing)  
  b. Plantation of 100 trees in the area  
  c. Solar pump |          |        |

Note: Floor tiles used should be non slippery

Inputs to be provided by Solapur Municipal Corporation
1. Water connection to the toilet block
2. Electricity connection to the toilet block
3. Bore well to supply additional water to the toilet blocks, if possible
## Annexure 3: Additional Key Specifications

### Details for wastewater treatment plant

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Description of Item</th>
<th>Unit</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Item Description: KSRB 4.1.2: Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, with 40 mm and down size graded granite metal course aggregates @ 0.852 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cm thick well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specifications No. KBS 4.1.4.2 (1) No 4.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Basic Rate</td>
<td></td>
<td>4849</td>
</tr>
<tr>
<td></td>
<td>Area Weightage 3%</td>
<td></td>
<td>145.47</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>6994.47</td>
</tr>
<tr>
<td></td>
<td>Item Description: KSRB 6.2.3: Providing and constructing burnt brick masonry with approved quality of non modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for aerent and superstructure including cost of materials, labour charges, scaffolding, curing, complete as per specifications. Specification No KBS 6.2 (Item No. 6.6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Basic Rate</td>
<td></td>
<td>6284</td>
</tr>
<tr>
<td></td>
<td>Area Weightage 3%</td>
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<td>188.52</td>
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<td></td>
<td>Total</td>
<td></td>
<td>6472.52</td>
</tr>
<tr>
<td></td>
<td>Item Description: KSRB15-3-13: Providing 12 mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification (15.29)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Basic Rate</td>
<td></td>
<td>159</td>
</tr>
<tr>
<td></td>
<td>Area Weightage 3%</td>
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<td>5.07</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>174.07</td>
</tr>
<tr>
<td></td>
<td>Item Description: KSRB 4.2.2 Providing and laying in position reinforced cement concreted of design m20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.876cum and fine aggregates @ 0.459cum, with super plasticizer @ 3 lbs confirming to IS1021-1999 Roof mixed, concrete laid in layers not exceeding 15 cm thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached planters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (Page No 13 &amp; Item 4.11)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Basic Rate</td>
<td></td>
<td>5739</td>
</tr>
<tr>
<td></td>
<td>Area Weightage 3%</td>
<td></td>
<td>172.17</td>
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<td>Total</td>
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<td>5911.17</td>
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<td></td>
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<td>Unit</td>
<td>Quantity</td>
</tr>
<tr>
<td>---</td>
<td>------------------------------------------------------</td>
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<td>----------</td>
</tr>
<tr>
<td>5</td>
<td>KRS 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding whenever required, tying with binding wire and anchoring to the adjoining member wherever necessary complete as per design (laps, books, and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Page No 17 &amp; Item No 4.46.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Cover Slab to Tank</td>
<td>Kg</td>
<td>612</td>
</tr>
<tr>
<td>7</td>
<td>PVC pipe</td>
<td>Rmt</td>
<td>14</td>
</tr>
<tr>
<td>7</td>
<td>PVC 4&quot; TEE SET</td>
<td>No.</td>
<td>4</td>
</tr>
<tr>
<td>8</td>
<td>Providing and fixing of medium duty SFRC manhole frame and cover</td>
<td>No.</td>
<td>13</td>
</tr>
</tbody>
</table>

**Total**
Annexure 5: Tender Submission Form

To
Executive Director
ICLEI South Asia
NSIC Complex, Okhla Industrial Estate
New Delhi 110020

I/We have read and examined the following documents relating to……………………………
………………………………. ………………………………………………………………… (Name of the Work)
including the main bid document and Annexure 1, 2, 3 and 4 (____).

I/We hereby tender for execution of the work referred to in the aforesaid documents in accordance with the terms and conditions contained or referred to therein and in accordance in all respects with the specifications, designs, drawings and other relevant details at the rates furnished in the bid document and within the period(s) of completion as stipulated in Annexure documents and our proposal.

In consideration of I/We bidding for the tender, I/We agree to keep the tender open for acceptance for 90 days from the due date of submission thereof and not to make any modifications in its terms and conditions which are not acceptable to ICLEI South Asia.

A sum of Rs. _____ will be deposited as Earnest Money Deposit in the form of Demand Draft in favour of ICLEI South Asia, payable at New Delhi at the time of signing of contract with ICLEI South Asia.

If I/We fail to keep the tender open as aforesaid of make any modifications in the terms and conditions of the tender which are not acceptable to ICLEI South Asia or after signing of contract are unable to provide work or services to the satisfaction of ICLEI South Asia shall without prejudice to any other right, be at liberty to forfeit earnest money absolutely. Should this tender be accepted, I/We agree to abide by & fulfil all the terms conditions of aforesaid document and the annexure documents.

If after the tender is accepted, I/we fail to commence the execution of the work, I/We agree that ICLEI South Asia shall without prejudice to any other right or remedy is at liberty to forfeit the said earnest money absolutely.

Signature of contractor…………………………
Organization_______________
Date______________
Witness ______________