

GOVERNMENT OF KARNATAKA

**OFFICE OF THE EXECUTIVE ENGINEER (PROJECT),
HUBBALLI-DHARWAD MUNICIPAL CORPORATION- 580020
Telephone No: 0836-2213899**

TENDERS FOR THE WORK OF

**Supplying and Providing E-Toilets (Smart Toilets) at Smart
Area in Hubballi-Dharwad.**

| | | |
|--|---|---|
| TENDER REFERENCE | : | DMA/2017-18/OW/WORK_INDENT68591 |
| PERIOD OF SALE OF TENDER DOCUMENT | : | |
| LAST DATE OF AVAILABILITY OF TENDER DCUMNET | : | 23/01/2018 |
| LAST DATE AND TIME FOR RECEIPT OF TENDERS | : | 23/01/2018; 4.00 Pm |
| | : | |
| TIME AND DATE OF OPENING OF COVER ONE OF TENDERS ¹ | : | 25/01/2018; 11.00 Am |
| PLACE OF OPENING OF COVER ONE OF TENDERS | : | Executive Engineer (Project), HDMC. Hubballi |
| TIME AND DATE OF OPENING OF COVER TWO OF TENDERS | : | Will be intimated to the Qualified Tenderers |
| PLACE OF OPENING OF COVER TWO OF TENDERS | : | Will be intimated to the Qualified Tenderers |
| ADDRESS FOR COMMUNICATION | : | Executive Engineer (Project), HDMC. Hubballi PH:0836-2213899 |

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SECTION 1: INVITATION FOR TENDERS (IFT)

IFT No.: DMA/2017-18/OW/WORK_INDENT68591

Date:

1. The Executive Engineer (Projects), Hubballi Dharwad Municipal Corporation, Hubballi invites tenders from eligible tenderers, for the construction of works detailed in the Table below. The tenderers may submit tenders for any or all of the works given in the Table. **Two Cover Tender procedure as per Rule 28 of the KTPP Act shall be followed. The Tenders are required to submit two separate sealed covers, one containing the Earnest money deposit and the details of their capability to undertake the tender (as detailed in ITT Clause 3 and 6), which will be opened first and the second cover containing the price tender which will be opened only if the Tenderer is found to be qualified to execute the tendered work. The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract.**
2. Tender documents may be downloaded from Government of Karnataka E-Procurement website <https://eproc.karnataka.gov.in/eportal/index.seam> under login for Contractors:

Monday, 24 March 2008

PROCUREMENT PORTAL

Government of Karnataka

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Contractors click here to Enter
Register here for a new account Sign Up

Government Users
Government users click here to Enter

Citizens

The Government of Karnataka (GoK) is of firm belief that Information Technology should be utilized to usher in an era of e-Governance aimed at demystifying the role of Government, simplifying procedures.

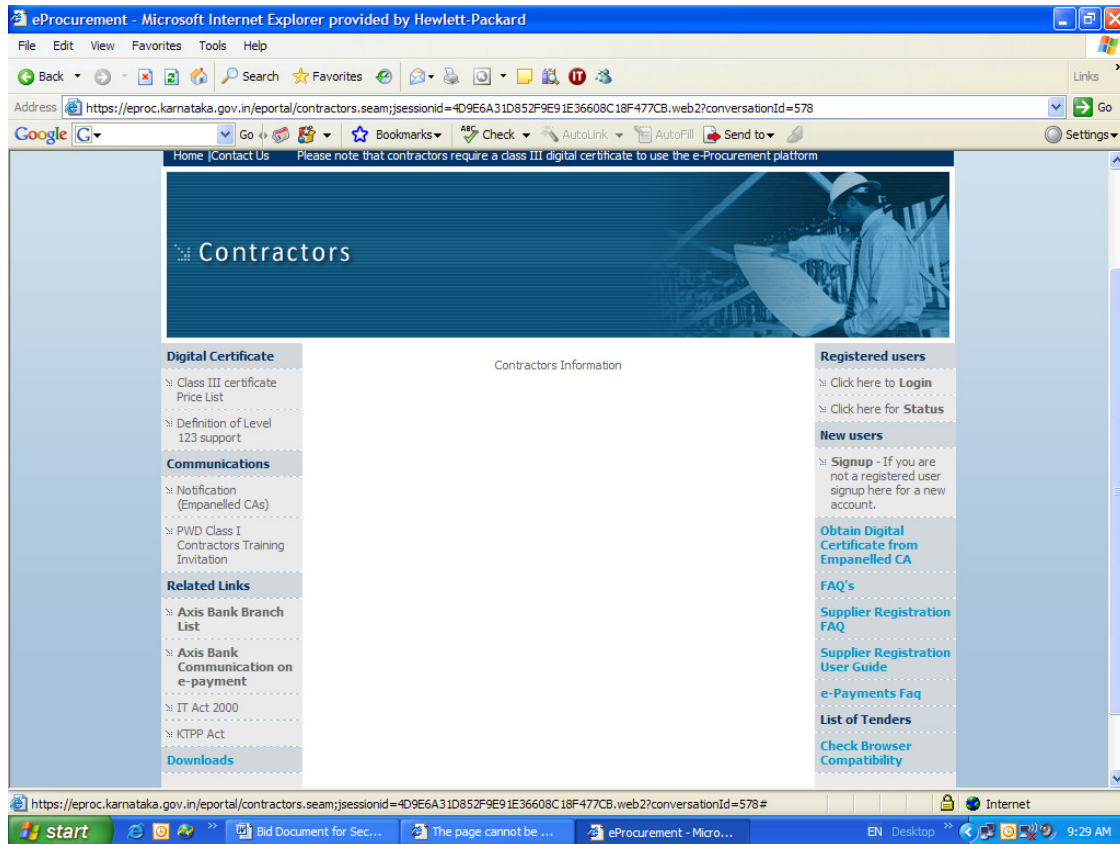
And bringing in transparency, making need based, good quality and timely information available to all citizens and providing all services in an efficient and cost-effective way and identified services on an online basis.

Given the context, the GoK released a Strategy document on e-Governance in 2002-03, which identified the goal of its e-Government policy and detailed out the strategy that would be adopted

https://eproc.karnataka.gov.in/eportal/index.seam

start Bid Document for Sec... The page cannot be ... eProcurement - Micro... EN Desktop 9:26 AM

After login to Contractors, please scroll down to the right-side bottom to see List of Tenders, Please click there to find the details of NIT and download copy of the



- tender. The tender can be downloaded in the portal as per prescribed date and time published in the portal. Only Interested Contractors who wish to participate should remit online tender processing fee, after registering in the portal. The tender processing fee /transaction fee is non-refundable.**
- 3. Tenders must be accompanied by earnest money deposit specified for the work in the Table below. Earnest Money deposit which will be paid online through e-Procurement portal. Earnest money deposit will have to be in any one of the forms as specified in the E procurement portal and shall have to be valid for 45 days beyond the validity of the tender.**
 - 4. Tenders must be electronically submitted (on-line through internet) within the date and time published in e-procurement portal. First Cover (Technical Bid) of the Tenders will be opened after prescribed time and date in the e-procurement portal, in the presence of the Tenderers who wish to attend at the Office of The Executive Engineer (Project),HDMC. Hubballi**

5. Other details can be seen in the tender documents.

TABLE

| Sl. No | Name of work | Value of work (In Rs. Lakh) | Earnest Money Deposit (In Rs.in lakhs) | Cost of document | Period of completion |
|---------------|--|------------------------------------|---|-------------------------|--|
| 1. | Supplying and Providing E-Toilets (Smart Toilets) at Smart Area in Hubballi-Dharwad | 97.98 lakh | 1.96 | As per e-portal | 6 (Six) Calendar months (including monsoon) |

**Executive Engineer
(Project)
HUBBALLI-DHARWAD
MUNICIPAL
CORPORATION,
HUBBALLI**

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

- 1.1 The Executive Engineer (Project), Hubballi-Dharwad Municipal Corporation, Hubballi (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

- 2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka

2.2 Tenders from Joint ventures are not acceptable.

3. Qualification of the Tenderer:

- 3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3:

Qualification information.

- 3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years i.e. 2012-13 to 2016-2017)³

- a) The tenderer should be a manufacturer who must have manufactured, tested and supplied the equipment (s) similar to the type specified in the Schedule of Requirements (viz equivalent or more than in capacity weight & size) up to at least 25 nos in any one of the last 5 years. The equipments offered for supply must be of the most recent series models incorporating the latest improvements in design. The models should have been released on or after 2013 and be in satisfactory operation for 36 months as on date of tender opening
- (b) Tenders of tenderers quoting as authorized representative of a manufacturer meeting with the above requirement in full can also be considered provided:
- (i) the manufacturer furnishes authorization in the prescribed format assuring full guarantee and warranty obligations as per GCC and SCC and
- (ii) the tenderer, as authorized representative, has supplied, installed and commissioned satisfactorily at least 12 no similar to the type specified in the Schedule of Requirements in any one of the last three years, which must be in satisfactory operation for at least 36 months on the date of tender opening
- (c) Tenderers must have annual Turnover of Rs 4.00 crore in last three years.

- 3.3 Each Tenderer should further demonstrate:

- (a) Deleted
- (b) liquid assets and /or availability of credit facilities of no less than Rs 30 lakhs (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc. *(usually the equivalent of the estimated cash flow for three months in the peak construction period)**)

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

- 3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

- 3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

$$\text{Assessed available tender capacity} = (A * N * 1.5 - B)$$

where

A = Maximum value of civil engineering works executed in any one year during the last five years (*updated to 2016-17 price level*) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at 2016-17 price level, of existing commitments and on-going works to be completed

during the next 6/12 years (*period of completion of the works for which Tenders are invited*)

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

- 3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

B. Tender documents

4. Content of Tender documents

4.1 The set of tender documents shall have all the Sections given in Page 2:

4.2 Both the sets should be completed and returned with the tender.

5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

5.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

5.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

C. Preparation of Tenders

6. Documents comprising the Tender

6.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows::

6.1.1 First Cover :

- (a) Earnest Money Deposit;
- (b) Qualification Information as per formats given in Section 3;

6.1.2 Second Cover:

- (a) The Tender (in the format indicated in Section 4)
- (b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

- 6.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

7. Tender prices

- 7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

- 7.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words).

Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

- 7.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

- 7.4 The rates and prices quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

8. Tender validity

- 8.1 Tenders shall remain valid for a period not less than ninety days after the deadline date for tender submission specified in Clause 12. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

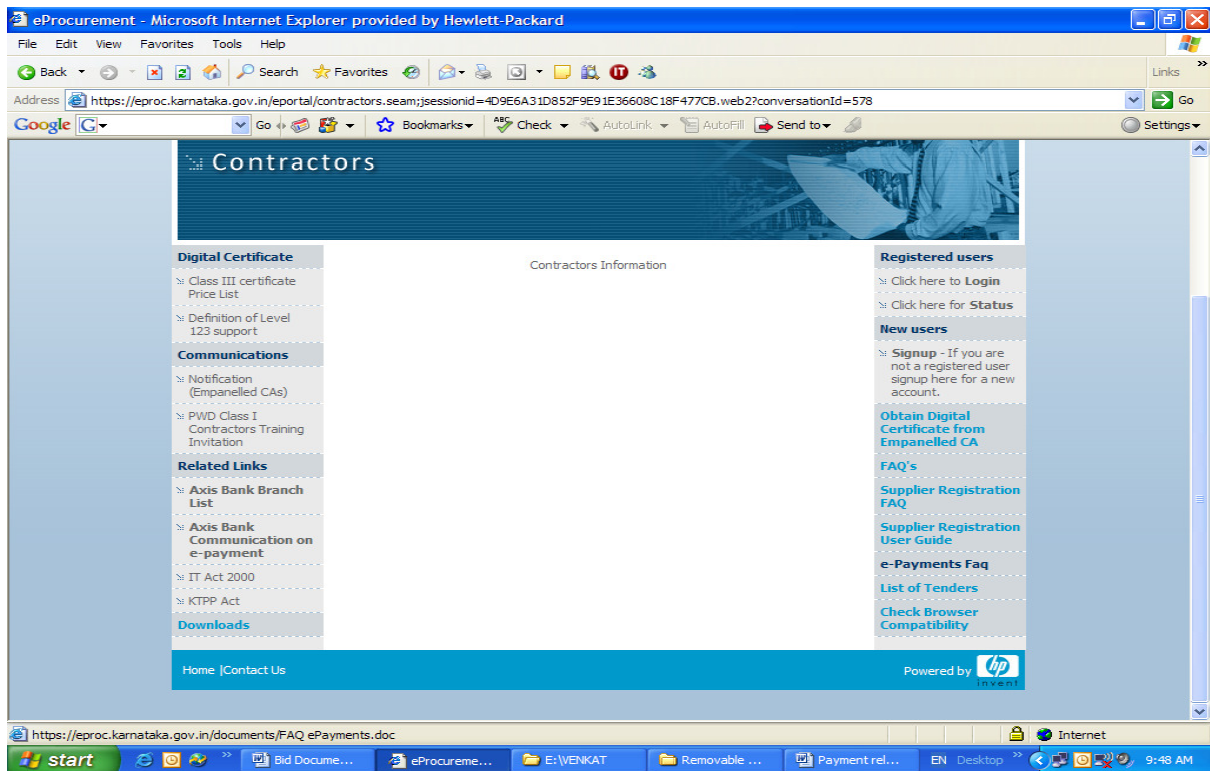
- 8.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 9 in all respects.

9. Earnest money deposit

9.1 Earnest Money Deposit/ Bid security

The supplier/contractor can pay the Earnest Money Deposit (EMD) in the e-Procurement portal using any of the following payment modes: (For detailed procedures visit e-procurement portal)

- 1 Credit Card
- 2 Direct Debit/ Net Banking
- 3 National Electronic Fund Transfer (NEFT)



4 Over the Counter (OTC) payment

The contractor shall furnish the requisite EMD only through e-payment, in favour of **The Executive Engineer (Project), HDMC, Hubballi**

The supplier/contractor's bid will be evaluated only on confirmation of receipt of the payment (EMD) in the Government of Karnataka central pooling a/c held at designated Bank

EMD amount will have to be submitted by the supplier/contractor taking into account the following conditions:

- a. EMD will be accepted only in the form of electronic cash (and not through Demand Draft or Bank Guarantee) and will be maintained in the Govt.'s central pooling account at Designated Bank until the contract is closed.
 - b. The entire EMD amount for a particular tender has to be paid in a single transaction
- For details on e-Payment services refer to e-procurement portal for more details on the process.

Refund of EMD

Based on the instructions of Tender Accepting Authority (TAA) the EMD amount of the unsuccessful bidders will be refunded to the respective Bank a/c's of the supplier/contractor registered in the e-Procurement system.

- 9.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days beyond the validity of the tender
- 9.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.
- 9.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.
- 9.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.
- 9.6 The earnest money deposit may be forfeited:

- (a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;
- (b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or
- (c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
 - (i) sign the Agreement; or
 - (ii) furnish the required Security deposit

10. Format and signing of Tender

Tenderer shall submit the Bid electronically before the submission date and time notified in e-procurement portal.

D. Submission of Tenders

11. Submission of Tender

Tenderer shall submit the Bid electronically before the submission date and time notified in e-procurement portal.

12. Deadline for submission of the Tenders

12.1 In online e-procurement system, tenderer shall not be able to submit the bid after the bid submission time and date as the icon or the task in the e-procurement portal will not be available.

12.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 5, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

13. Late Tenders

13.1 In online e-procurement system, you shall not be able to submit the bid after the bid submission time and date as the icon or the task in the e-procurement portal will not be available.

14. Modification and Withdrawal of Tenders

Tender has all the time to modify and correct or upload any relevant document in the portal till Bid submission date and time, as published in the e-procurement portal.

E. Tender opening and evaluation

15. Opening of First Cover of all Tenderers and evaluation to determine qualified Tenderers:

15.1 The Employer will open online the First Covers of all the Tenders received through e-procurement portal, in the presence of the Tenderers or their representatives who choose to attend at the date, time and the venue specified in the e-procurement portal. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

15.2 Deleted

15.3 The Tenderers names, the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening. Late and withdrawn Tenders will be returned unopened to tenders.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

15.5 Deleted

15.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.¹⁶

16. Opening of Second Cover of qualified Tenderers and evaluation:

16.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

16.2 Deleted

16.3 The Tenderers' names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

16.4 The Employer shall prepare minutes of the Second Cover Tender opening, including the information disclosed to those present in accordance with Sub-Clause 16.3.

17. Process to be confidential

17.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

18. Clarification of Tenders

18.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 20.

18.2 Subject to sub-clause 18.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

18.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

19. Examination of Tenders and determination of responsiveness

19.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

19.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

19.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

20. Correction of errors

20.1 There shall not be any error as the proposal is submitted online, even if there is any correction same will be corrected by the Employer depending on the nature of the error.

20.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 9.6 (b).

21. Evaluation and comparison of Tenders

21.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 19.

21.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) making any correction for errors pursuant to Clause 20; and

(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 14.5.

21.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

F. Award of Contract

22. Award criteria

22.1 Subject to Clause 24, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

23. Employer's right to accept any Tender and to reject any or all Tenders

23.1 Notwithstanding Clause 22, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

24. Notification of award and signing of Agreement

- 24.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").
- 24.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 25.
- 24.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.
- 24.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

25. Security deposit

- 25.1 Within 21 days of receipt of the notification of contract award, the Contractor shall furnish Performance Security to the Employer for an amount of 5% of the Contract, valid up-to 60 days after the date of completion of performance obligations including Warranty obligations. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected/replaced material shall be extended to a further period of 24 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the initial Warranty period.
- 25.2 The proceeds of the performance security shall be payable to the Employer as compensation for any loss resulting from the Contractor's failure to complete its obligations under the Contract.
- 25.3 The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:
- Cash or
 - Banker's cheque/Demand draft, /Pay Order in favour of **The Commissioner, HDMC, Hubballi**
 - A bank guarantee in the form given in Section 10; or
 - Specified Small Savings Instruments pledged to **The Commissioner, HDMC, Hubballi**
 - Fixed Deposit Receipts pledged in the name of **The Commissioner, HDMC, Hubballi**
- 25.4 The Performance Security will be discharged by the Employer and returned to the Contractor not later than 60 days following the date of completion of the Contractor's performance obligations, including any Warranty obligations, under the Contract.
- 25.5 In the event of any contract amendment, the Contractor shall, within 20 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract as amended for 60 days after the completion of performance obligations including Warranty obligations.

26. Corrupt or Fraudulent practices

- 26.1 The GOK requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, GOK :
- (a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - (b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.
- 26.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 43.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____
(Attach Copy) _____

Principal place of business: _____

1.2 Attach details for ITT 3.2.

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

| Project Name | Name of Employer | Description of Work | Contract Number | Value of contract Rs. Lakhs | Date of issue of order | Specified period of completion | Actual date of completion | Remarks explaining reasons for delay in completion of work |
|--------------|------------------|---------------------|-----------------|--------------------------------|------------------------|--------------------------------|---------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | |

Attach Certificates from Engineers –in- Charge

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

| Year | Name of Work | Name of Employer | Quantity of work performed | Remarks (Indicate contract reference) |
|---------|--------------|------------------|----------------------------|---------------------------------------|
| 2012-13 | | | | |
| 2013-14 | | | | |
| 2014-15 | | | | |
| 2015-16 | | | | |
| 2016-17 | | | | |

Attach Certificates from Engineers –in- Charge

- 1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

| Description of Work | Place & State | Contract No. & Date | Name and Address of Employer | Value of Contract (Rs. lakhs) | Stipulated period of completion | Value of works ²¹ remaining to be completed (Rs. lakhs) | Anticipated date of completion |
|---------------------|---------------|---------------------|------------------------------|-------------------------------|---------------------------------|--|--------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |

Attach Certificates from Engineers –in- Charge

(B) Works for which Tenders already submitted:

| Description of Work | Place & State | Name and Address of Employer | Estimated value of works (Rs. lakhs) | Stipulated period of completion | Date when decision is expected | Remarks if any |
|---------------------|---------------|------------------------------|--------------------------------------|---------------------------------|--------------------------------|----------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

- 1.6. Deleted
- 1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;
- 1.8 Deleted
- 1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.
- 1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause 3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

BANKER'S CERTIFICATE

This is to certify that M/s. is a reputed company with a good financial standing. If the contract for this work, namely **(Supplying and Providing E-Toilets (Smart Toilets) at Smart Area in Hubballi-Dharwad)** is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs..... to meet the working capital requirements for executing the above contract

Sd/-
Name of the Bank, Senior Bank
Manger
Address:.....

1.11 Deleted

1.12 Information on litigations in which the Tenderer is involved:

| Other Party (ies) Employer | Details of dispute | Amount involved | Remarks showing present status |
|----------------------------|--------------------|-----------------|--------------------------------|
|----------------------------|--------------------|-----------------|--------------------------------|

SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works:

_____ ²⁴ **Tender**

To : _____

Address : _____
_____ ²⁵

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of _____ [*in figures*] (_____) [*in letters*].²⁶

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Tenderer _____
Address: -----

Letter of Acceptance
(letterhead paper of the Employer)

[date]

To:
[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated _____ for execution of the _____ [name of the contract and identification number, as given in the Instructions to Tenderers] for the Contract Price of Rupees — (_____) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit, in the form detailed in Para 25.1 of ITT for an amount of Rs.----- within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to and sign the contract, failing which action as stated in Para 25.4 of ITT will be taken.

Yours faithfully,

Authorized Signature
Name and Title of Signatory
Name of Agency

Issue of Notice to proceed with the work
(letterhead of the Employer)

(date)

To
(name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 25.1 and signing of the contract agreement for the construction of ----- ^{27a} Tender Price of Rs.-----, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the _____ day of _____, 20_____, between _____ [name and address of Employer] (hereinafter called "the Employer") of the one part and _____ [name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute _____ [name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - i) Letter of Acceptance;
 - ii) Notice to proceed with the works;
 - iii) Contractor's Tender;
 - iv) Contract Data;
 - v) Conditions of contract (including Special Conditions of Contract);
 - vi) Specifications;
 - vii) Drawings;
 - viii) Bill of Quantities; and
 - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____

was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said

in the presence of:

Binding Signature of Employer _____

Binding Signature of Contractor _____

SECTION 5: CONDITIONS OF CONTRACT
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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms. **Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Tender.

Compensation events are those defined in Clause 34 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 38.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

A **Variation** is an instruction given by the Employer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. **Interpretation**

- 2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.
- 2.2 The documents forming the Contract shall be interpreted in the following order of priority:
- (1) Agreement
 - (2) Letter of Acceptance, notice to proceed with the works
 - (3) Contractor's Tender
 - (4) Contract Data
 - (5) Conditions of Contract
 - (6) Specifications
 - (7) Drawings
 - (8) Bill of quantities and
 - (9) any other document listed in the Contract Data as forming part of the Contract.

3. **Law governing contract**

- 3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. **Employer's decisions**

- 4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor .

5. **Delegation**

- 5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. **Communications**

- 6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. **Subcontracting**

- 7.1 Deleted

8. **Other Contractors**

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. **Personnel**

- 9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.
- 9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are (a) in so far as rebellion, riot commotion or disorder or (b) a cause due solely to the design of the Works, other than the Contractor's design.

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Queries about the Contract Data

13.1 The Employer will clarify queries on the Contract Data.

14. Contractor to construct the Works

14.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

15. The Works to be completed by the Intended Completion Date

15.1 The Contractor may commence execution of the Works on the Start Date and complete them by the Intended Completion Date.

16. Safety

16.1 The Contractor shall be responsible for the safety of all activities on the Site.

17. Discoveries

17.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

18. Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

19. Access to the Site

19.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

20. Instructions

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

B. Time Control

21. Program

- 21.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 21.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

22. Extension of the Intended Completion Date

- 22.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.
- 22.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

23. Delays ordered by the Employer

- 23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

24. Management meetings

- 24.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.
- 24.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

25. Identifying defects

- 25.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

26. Tests

- 26.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

27. Correction of defects

- 27.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 27.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

28. Uncorrected defects

28.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

29. Bill of Quantities (BOQ)

29.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

29.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

30. Variations

30.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

- (a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
- (b) Omit any item of work;
- (c) Change the character or quality or kind of any item of work;
- (d) Change the levels, lines, positions and dimensions of any part of the work;
- (e) Execute additional items of work of any kind necessary for the completion of the works; and
- (f) Change in any specified sequence, methods or timing of construction of any part of the work.

30.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

30.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

30.4 The Contractor shall promptly request in writing the Employer to confirm verbal orders and if no such confirmation is received within 15 days of request, it shall be deemed to be an order in writing by the Employer.

31. Payments for Variations

31.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

31.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

31.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

- 31.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 31.1 or 31.2 or 31.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.
- 31.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.
- 31.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
- 31.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

32. Submission of bills for payment

- 32.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.
- 32.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.
- 32.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

33. Payments

- 33.1 Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill.
- 33.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

34. Compensation events

- 34.1 The following are Compensation events unless they are caused by the Contractor:
- (a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
 - (b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
 - (c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
 - (d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
 - (e) The effect on the Contractor of any of the Employer's Risks.
 - (f) The Employer unreasonably delays issuing a Certificate of Completion.
 - (g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.
- 34.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
- 34.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the

Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

- 34.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

35. Tax

- 35.1 The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

36. Liquidated damages

- 36.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.
- 36.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

37. Cost of repairs

- 37.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

38. Completion

- 38.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

39. Taking over

- 39.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

40. Final account

- 40.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

41. As built drawings

41.1 If “as built”²⁸ Drawings are required, the Contractor shall supply them by the dates stated in the Contract Data.

41.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer’s approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

42. Termination

42.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

42.2 Fundamental breaches of Contract include, but shall not be limited to the following:

- (a) the Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;
- (b) the Employer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 60 days;
- (c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) a payment due to the Contractor is not paid by the Employer within 90 days of the date of the submission of the Bill by Contractor;
- (e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;
- (f) the Contractor does not maintain a security which is required;
- (g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
- (h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution. “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.”

42.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 42.2 above, the Employer shall decide whether the breach is fundamental or not.

42.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

42.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

43. Payment upon Termination

43.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

43.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

44. Property

44.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

45. Release from performance

45.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub -contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Warranty

- 4.1 The Contractor warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Contractor, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 4.2 This warranty shall remain valid for 24 months after the Goods or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for 30 months after the date of shipment from the place of loading whichever period concludes earlier. The Contractor shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If for reasons attributable to the Contractor, these guarantees are not attained in whole or in part, the Contractor shall at its discretion either:
- a. make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with document; OR pay liquidated damages to the Purchaser with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be as specified in the Contract Data.
 - b. The Purchaser shall promptly notify the Contractor in writing of any claims arising under this warranty.
- 4.3 Upon receipt of such notice, the Contractor shall, within the period of 3 days and with all reasonable speed, repair or replace the defective Goods or parts thereof, free of cost at the ultimate destination. The Contractor shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever, shall lie on the Purchaser for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period of 24 months (i.e. 24 months from the date of delivery of the goods).
- 4.4 If the Contractor, having been notified, fails to remedy the defect(s) within 3 days, the Purchaser may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Purchaser may have against the Contractor under the Contract.

5. Inspection and Tests

Inspection and tests prior to shipment of Goods and at final acceptance are as follows:⁴

- 5.1 The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the technical specifications attached to the contract and shall be in line with the inspection/test procedures laid down in the Technical Specifications and the General Conditions of contract. Following broad test procedure will generally be followed for inspection and testing of machine/equipment. The supplier will dispatch the goods to the ultimate consignee after internal inspection testing based on approved QAP (Quality assurance Plan) along with the supplier's inspection report, including raw material test certificates and manufacturer's warranty certificate. The purchaser will test the equipment after completion of the installation and commissioning at the site of the installation. For site preparation, as stated in RFP. the supplier should furnish all details to the purchaser sufficiently in advance so as to get the works completed before receipt of the equipment. Goods as specified in BoQ should be supplied, installed and commissioned properly by the supplier prior to commencement of performance tests.
- 5.2 The acceptance test will be conducted by the purchaser/their consultant or any other person nominated by the purchaser, at its option. The acceptance will involve trouble-free operation for seven consecutive days. There shall not be any additional charges for carrying out acceptance tests.
- 5.3 All the goods should be complete and no missing modules/sections will be allowed. The supplier shall maintain necessary log in respect of the results of the tests to establish to the entire satisfaction of the purchaser, the successful completion of the test specified. An average uptake efficiency of 90% for the duration of test period shall be considered as satisfactory.
- 5.4 In the event of the goods failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the purchaser reserves the rights to get the equipment replaced by the supplier at no extra cost to the purchaser.
6. **Trial run and commissioning**
Contractor to carry out the commissioning and trial run of all the units for three months after the completion of construction of the smart toilet unit. During trial run the consumables such as Electricity, water etc., will be supplied by the Employer free of cost. All the expenses towards manpower shall be borne by the Contractor. Minimum two personnel shall be employed for the same.

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract: **Clause**
Reference

The Employer is :

Name: Executive Engineer (Project), HDMC, Hubballi [1.1]

Address: Sir Siddappa Kambli Marg, Hubballi - 580020

Name of authorized Representative: Executive Engineer (Project), HDMC, Hubballi

The name and identification number of the Contract is

Supplying and Providing E-Toilets (Smart Toilets) at Smart Area in Hubballi-Dharwad

DMA/2017-18/OW/WORK_INDENT68591

The Works consist of (Please refer Section 7 Detailed Scope and Specification)

The start date shall be the date of issue of notice to proceed with the work.

The Intended Completion Date for the whole is Six months from the issue of Notice to Proceed.

The Site Possession Date is: The date of issue of notice to proceed [18]

The Site is located within Hubballi Dharwad Municipal Corporation, Hubballi [1.1]

The Defects Liability Period is 2 years. [27]

The liquidated damages for the whole of the works are 0.01% of the Contract price per day. [36]

The maximum amount of liquidated damages for the whole of the works [36] is ten percent of final contract price.

The date by which "as-built"³³ drawings (in scale 1:100) in 2 sets are required is within 30 days of issue of certificate of completion .. [41]

The amount to be withheld for failing to supply "as built"³⁵ drawings by the date required is

0.5% of the Contract amount [41]

[42.

The following events shall also be fundamental breach of the contract : 2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [43.1

additional cost for completing the Works shall be 30 percent.]

SECTION 7: DETAILED SCOPE AND SPECIFICATIONS

Attached Separately in Vol II

SECTION 8: DRAWINGS

SECTION 9: BILL OF QUANTITIES

Attached Separately on E-portal

Note:

- (1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 7.2 and CC Clause 33.2).
- (2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.
- (3) Deleted
- (4) Deleted

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ *[name of Employer]* _____ *[address of Employer]*
WHEREAS _____ *[name and address of Contractor]*
(hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____
dated _____ to execute _____ *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. _____ *[amount of guarantee]*
_____ Rupees _____
_____ *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of guarantee]* ³⁸ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

Setting up Smart-Toilets including Design, Manufacture, Supply, Construction / Installation and Commissioning including Commissioning and Trial Run.

Volume II: SCOPE OF WORK AND SPECIFICATIONS

| | |
|---|----------------------------|
| Client: Hubballi-Dharwad City Limited, Hubballi-Dharwad, Karnataka | Consultant: |
|---|----------------------------|

1. BACKGROUND

As a part of the Smart City Proposal, Hubballi-Dharwad Smart City Limited (HDSCL) invites bid from eligible bidders for “**Setting up Smart-Toilets including Design, Manufacture, Supply, Construction / Installation and Commissioning including Commissioning and Trial Run.**” at different public places in the City of Hubballi-Dharwad.

2. SCOPE OF WORK

2.1. About Smart Toilets

Smart Toilet system shall be a modular, pre-fabricated public Smart Toilet made of appropriate material suitable to the local conditions and is integrated with user-friendly electronic interfaces. These shall be sophisticated unmanned, automated toilets having remote monitoring facilities, by integrating electrical, mechanical and GPS technology. The toilets shall be provided in locations as identified by the HDSCL. The locations are provided in the section 2.4.

2.2. Features of Smart Toilets;

Smart Toilets shall conform to the following parameters;

- 2.2.1 Body to be built up with stainless steel to make it durable to adjust to local climatic condition.
- 2.2.2 The built form shall give a simplistic, pleasant unitized look to each toilet block.
- 2.2.3 The external wall and roof of the toilet cubicle shall be fully water tight and weather proof.
- 2.2.4 The roof of the toilet blocks shall be so designed that no water accumulation takes place.
- 2.2.5 Each toilet cubicle shall be fitted with **Coin validator system** for entering the toilet.
- 2.2.6 Features like Pre Flush, Auto flush, automatic platform cleaning mechanism (to clean the toilet before and after usage) shall be provided.
- 2.2.7 **Occupancy indicator with LED display** shall be provided outside the toilet
- 2.2.8 Display boards where instructions in Kannada, Hindi and English shall be written for the aid of the user. Such display boards shall be distinctly visible during night hours.
- 2.2.9 **In-built water tank with LED indicator** showing water level shall be provided.
- 2.2.10 **GPS Connectivity** shall be provided to help in the monitoring the health status of the unit from a remote location.
- 2.2.11 **Power and water backup** for its users in case of sudden power outage or water discontinuation.
- 2.2.12 Each unit to be provided with distinctly visible symbol for Ladies and Gents identification.

2.2.13 Provision for advertisement panels on which public messages or corporate advertisements can be displayed to generate revenue towards HDMC.

2.3. Functional Description

2.3.1 The unit should have an Indian style closet, health faucet, lights, status display and instruction boards, etc. A rectangular stainless steel water tank (AISI304) shall be fitted on top of the toilet unit for storage and supply of water required for the toilet usage and maintenance. This tank shall be fitted with LED indicator showing water level.

2.3.2 The toilet unit for **differentially abled** should have a western closet and a ramp for entering the toilet and access for wheel chair.

2.3.3 There should be display light outside the toilet unit, which shows whether the unit is "Occupied" indicated with Red light or "Unoccupied" indicated with Green light. The user should be able to enter and close the door manually, similar to a conventional toilet.

2.3.4 The entry to the toilet cubicles shall be controlled through a coin insert mechanism. On dropping the desired coin/s, the door shall be automatically unlocked for using the toilet.

2.3.5 Upon entering the toilet, indoor light and exhaust fan should be switched on automatically. Pre-flush system will wet the closet initially. Toilet flush can be activated using a manual flush cock provided inside the toilet. Even if the user forgets to flush after usage, the system should automatically flush after the exit. Exit from the unit is completely manual. An automatic floor cleaning mechanism should also be provided through which, the floor will be cleaned automatically. The floor cleaning should be activated either through a push switch or it may be programmed to function after a specified usage.

2.3.6 The effluent from the Smart Toilets shall be connected to nearest sewage network.

2.4. Location of E Toilets in ABD area in Hubballi-Dharwad

The number, capacity and location of Smart Toilets shall be as per the following table;

| LOCATION WISE REQUIREMENT OF SMART TOILET | | | |
|---|--|-----------------------|------------------------------|
| SI no. | Location | No. of units | Lattitude/Longitude |
| 1 | Akshay Park bus stop – near to petrol pump | 2 (1 Ladies+ 1 Gents) | 15°21'3.41"N, 75° 6'32.74"E |
| 2 | Hosur Circle | 2(1 Ladies+ 1 Gents) | 15°21'16.26"N, 75° 7'50.58"E |
| 3 | Opposite to MG Park | 2(1 Ladies+ 1 Gents) | 15°21'9.97"N, 75° 7'59.96"E |

| | | | |
|--------------------------|--------------------------|--|-------------------------------|
| 4 | Dajiban Peth | 2(1 Ladies+ 1 Gents) | 15°20'54.10"N, 75° 8'25.85"E |
| 5 | HDMC Office- Second Gate | 2(1 Ladies+ 1 Gents) | 15°21'4.14"N, 75° 8'28.16"E |
| 6 | CBT | 3(1 Ladies+ 1 Gents+ 1 differentially abled) | 15°20'44.71"N , 75° 8'42.05"E |
| 7 | Kamaripeth | 2(1 Ladies+ 1 Gents) | 15°20'41.05"N, 75° 8'15.11"E |
| Total no of units | | | 15 |

2.5. Scope of Work

The successful bidder will be responsible for Design, Manufacture, Supply, Install, Commissioning of Modular type Smart Toilets at specified locations of Hubballi-Dharwad city. The "Scope of Work" is given below; the bidder shall comply with applicable laws including but not limited to the local by-laws:

- 2.5.1 Installation of Smart Toilets at the designated sites identified by HDSCL as per the required specification for normal and differently abled friendly toilet as per the requirement mentioned in 2.4 and 2.5.
- 2.5.2 Undertaking survey of locations for installation of Smart Toilets with water tank, including identifying storm drain, sewerage line, water supply, power connection and the entire process for obtaining approval from all concerned statutory bodies before start of execution of work.
- 2.5.3 Certification of structural safety of the installation and barring force majeure, accidents, vandalism, and the bidder shall make good any structural faults in the installation, if any within 15 days of notice issued to the bidder by HDSCL.
- 2.5.4 HDSCL shall not be responsible for untoward incidence, if occurred due to structural fault. The bidder would be responsible for any civil/criminal proceedings arising out of such incidence and for damage caused to life and property thereof.
- 2.5.5 Carrying out the installation in a safe and responsible manner without any inconvenience or danger to the public.
- 2.5.6 All necessary activities related to cleaning and preparation of the site for installation or erection of the toilet blocks
- 2.5.7 The Smart Toilets has to be placed on a suitably designed civil construction base with at least 300 mm above the Finished Road Level. The Platform floor shall be finished with granite stone.

- 2.5.8 Cleaning/disposal of all the debris and other material accumulated due to the construction.
- 2.5.9 Repairing of the site, pavement, road, curb or other structure in case the same is damaged or affected due the construction.
- 2.5.10 **Water Facility:** The bidder has to make an arrangement for getting the connection of water supply for the smart toilet. The water tank on the smart toilet needs to be filled from the nearby municipal water connection with measuring device (water meter) including a water storage tank (polyethylene, capacity 1000 L) with necessary pump with automation. The underground tank should have provision for filling of water through tankers.
- 2.5.11 **Sewage Connections:** The bidder has to make an arrangement for getting the sewage connection for the smart toilet. The waste water / sewage from the smart toilet have to be connected to the nearby municipal sewer Manhole / line with suitable arrangement. All necessary accessories for the connection cost are to be borne by the contractor.
- 2.5.12 **Electricity Connection:** The bidder has to make an arrangement for getting the power connection for the smart toilet from the nearby power supply line with all necessary accessories along with the connection. All such costs shall be borne by the Bidder. The source location will be provided by the HDSCL. The electrical power and control system must be designed and tested as per best practices and Indian Standards and ensured for reliable operation taking care of all environmental factors. The system must be water proof, shock proof and conforming to IP 55 standard.

2.5.13 Deleted

2.6. Specifications

Each toilet shall be conforming to following minimum **technical specifications**

| Specification for miscellaneous components of Smart-Toilet | | |
|---|---------------|--|
| Sl. No. | Items | Specification |
| 1 | Inside Area | Width : 1050 mm minimum, Length : 1500 mm minimum, Height : 2250 mm minimum, all materials inside using AISI 304 grade |
| 2 | Exterior area | Exterior area covered with Aluminum Composite Panels/Glass or similar aesthetic materials and measurements shall be 3.0 Sq. m. or more for single toilet and 7 sq. m. or more for double toilet |
| 3 | Floor | Floor upper layer stainless steel AISI 304 with 3 mm thickness perforated & non slippery. Floor inner layer water proof and ventilated 1 mm stainless steel sheet with AISI 304 slopped |
| 4 | Wall & Roof | Double skin insulated panels, with 1mm thick AISI 304 grade stainless steel inside skin and exterior grade 4mm thick PVDF coated ACP. Inside hollow space shall be filled up with High density (16 kg/m ³) 40 thick (EPS) Expanded Polystyrene insulation |

| Specification for miscellaneous components of Smart-Toilet | | |
|---|---|--|
| Sl. No. | Items | Specification |
| 5 | Access control | Front Panel LED sign box for Coin mechanism, voice guidance system |
| 6 | Door | Flush Door with 1mm thick Stainless steel (AISI 304) on both sides with EPS insulation |
| 7 | Foot step or Ramp | Minimum 600mm wide with Wood plastic composite (WPC) exterior grade anti skidding floor panels |
| 8 | Locks | Locks with electric strike door opener and door closure with single way retractable door handle |
| 9 | Ventilation | Ventilation with minimum 4" Exhaust fan and wall mounted SS louvers to ensure fresh air flow inside toilet |
| 12a | Toilet Pan (General) | Vandal proof Indian style stainless steel (AISI304) grade toilet pan merged with 3mm perforated floor |
| 12b | Toilet Pan (differently abled) | Vandal proof Western style stainless steel (AISI304) grade toilet pan |
| 13 | Mirror | Stainless steel Mirror panel |
| 14 | Waste Bin | Stainless steel waste bin with push door to outside toilet cubicle |
| 15 | Water Tap | Chromium plated water tap with mug (fixed with SS chain) and SS health faucet |
| 16 | Inside Lock | Tower bolt from inside to lock the door manually |
| 17 | Fan/LED light | Vandal proof Fan and LED lights (activated only when the toilet is occupied) |
| 18 | Handle/handrail | 1" dia Stainless Steel Handle/handrail for aged people |
| 19 | Bag Holder | Stainless Steel Bag Holder |
| 20 | Cleaning System | Water pressure cleaning system to clean wall, toilet pan and perforated floor |
| 21 | Access Control | Coin mechanism and optional Press Button |
| 22 | Pre-wetting | Automatic Pre-wetting system with minimum water |
| 23 | After use flushing | Automatic flushing after use and its Manual overriding |
| 24 | Manual Exit | Manual exit like normal toilet door |
| 25 | Emergency Exit | Manual overriding of door opening of toilet from outside in case of emergencies |
| 26 | Emergency Numbers | Emergency contact local numbers should be displayed inside |
| 27 | Self-Cleaning with pre-programmed intervals | Self-cleaning of floors and walls after pre-programmed intervals |
| 28 | Technology Features required | Internet of Things (IoT) enabled Remote Monitoring, Desktop Application for Remote Monitoring |
| 29 | Plumbing pipes | CPVC |

| Specification for miscellaneous components of Smart-Toilet | | |
|---|---|---|
| Sl. No. | Items | Specification |
| 30 | Pressure Boosting Pump (to generate required pressure for flushing and pressure cleaning) | 0.5 HP |
| 31 | For power back up | The bidder shall provide a power back up facility of at least two (02) hours in case of power failure in the toilets. |
| 33 | wash basin | Stainless steel (AISI 304) wash basin |
| 34 | OH water Tank | Rectangular 300 ltrs per toilet in AISI 304. The tank will be connected to the three flushes (pre-flush/platform washing/ after use flush) in the unit. All the sides of the water tank shall have provision for placing advertisement which shall be a source of revenue generation for the HDSCL/HDMC |
| 34 | UG Water tank with pump | Suitable UG tank in HDPE with a 0.5 HP pump to pump water to the OH tank including necessary piping / valves and automation to control water overflow from both UG and OH tanks |

3. GENERAL REQUIREMENTS

- 3.1. The Bidder has to design, manufacture, supply, install, commission and maintain the Smart Toilets for Five years.
- 3.2. The Bidder should provide Smart-Toilet layout and design for each location under Project Facility and shall inter alia, include the following:
 - a) Design for the Smart Toilet including detailed engineering drawings, Architecture drawing for each location. The engineering drawings shall be in 1:100 scale.
 - b) Detailed process system shall be provided with the bid document.
- 3.3. The Bidder should ensure to provide all the facilities required in a differently abled Smart Toilet in the specified location mentioned in Clause 2.5.
- 3.4. The maintenance of pipelines etc. from point of discharge to the HDMC discharge system shall be responsibility of Bidder during the Contract Period.
- 3.5. The Bidder shall install the required equipment and maintain the same for a period of five years from the date of commissioning of Smart Toilets, as per the conditions prescribed in this document, and in the time frame prescribed at his own cost.
- 3.6. After completion of Contract period, the Smart Toilets will become the property of the HDSCL. The Bidder shall handover the Smart Toilet in good working conditions complete to the satisfaction of Authority.

- 3.7. The Bidder shall provide trained manpower to operate and maintain the Smart Toilets to ensure the provision of quality services.
- 3.8. The Bidder shall provide and maintain the electronic, electrical and plumbing fittings of all types at the Smart Toilets in good working condition.
- 3.9. Bidder should ensure that all the Smart Toilets are working all the time and comprehensive repair/maintenance etc. shall be carried out at his own cost.
- 3.10. To maintain premises clean, safe hygienic and risk-free in and around the Smart Toilets (approx. Two meter radii outside the periphery of units) is the responsibility of Bidder.
- 3.11. The Smart Toilets shall be manually cleaned at least once in a week or whenever deemed necessary as per the situation
- 3.12. The bidder shall provide online information of daily report to HDSCL.
- 3.13. HDSCL reserves the right to inspect any such Toilet at any time during the contract period.
- 3.14. Physical Security of Smart Toilets shall be responsibility of the Bidder. Insurance of Appropriate Amount as required by HDSCL shall be taken by the Bidder for each Smart Toilet. Insurance shall be in the name of HDSCL, required premium for same shall be paid by the Bidder.

4. Deleted

5. TESTING AND INSPECTION

5.1. Quality Assurance Plan

The bidder should submit Quality Assurance Plan (QAP) for manufacture, assembly and testing at factory for smart toilet units. The cost towards factory inspection, if any will be borne by the bidder.

5.2. Site tests

After erection at site, all components, equipment as described shall be tested to prove satisfactory performance and /or fulfillment of functional requirements without showing any sign of defect as individual equipment and as well as a system.

6. PENALTY IN CASE OF NON-PERFORMANCE

Please refer Contract data

6.1. **INSURANCE – Please refer RFP document.**

7. SCOPE OF HDMC

- I. HDMC will provide details pertaining to nearest Source of water, further arrangement including required plumbing works from source to Smart Toilets shall be borne by the Bidder.
- II. Single phase or three phase power supply as required at one point for further distribution including installation of Electric meters for Smart Toilets shall be in scope of Bidder.
- III. HDSCL/HDMC shall collect the Cash accumulated due to use of coins for using Smart Toilets from the units either daily or on weekly basis.