

Letter No: F/437/311/BSCL

Date: 27.05.2021

CORRIGENDUM - I

Work Descriptions: Request for Proposal (RFP) for Setting Up of E- Toilet (s) in Bhagalpur with Operation & Maintenance for 5 (five) years under Smart City Mission on Item Rate basis.

NIT No. - BSCL/E-toilet/2021/58 dated 11/05/2021.

Tender ID: 10032

This is with reference to the above tender which was published in various newspapers and the same was uploaded on www.eproc2.bihar.gov.in and www.smartcitybhagalpur.org. It has to be noted that word **"E - Toilet" mentioned in RFP, NIT and Corrigendum shall be read as "Smart Toilet"**. It has to be further noted that the response to prebid queries is being uploaded and published on <https://www.eproc2.bihar.gov.in> and <http://www.smartcitybhagalpur.org> with this corrigendum as annexure - 1.

The other terms and conditions mentioned in BSCL/E-toilet/2021/58 dated 11/05/2021 and RFP remain unchanged.

Note: NIT, RFP, Corrigendum (if any) etc. are also available on Company website <http://www.smartcitybhagalpur.org> for reference purposes only.


Chief Executive Officer,
Bhagalpur Smart City Limited.

Annexure - 1

Bhagalpur Smart City Limited (BSCL)

Prebid query for Setting Up of E- Toilet (s) in Bhagalpur with Operation & Maintenance for 5 (five) years under Smart City Mission on Item Rate basis.

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
1	1	NIT	Tender documents fee	We request BSCL to exempt DIPP recognised start-ups and MSMEs from submission of Cost of Bid Document. Have attached a government notice on the same.	As per RFP
2	1	NIT	Earnest Money Deposit	We request BSCL to exempt DIPP recognised start-ups and MSMEs from submission of EMD.	As per RFP
3	7	1. b. 1	Supply of ISO certified Smart E- Toilet Equipment's.	We have been working on installation of smart public toilets for more than 5 years now. We have sufficient experience but not the ISO certificate. Request you to exempt us from the same.	As per RFP
4	7	1. b. 9 & 10	Smart Water Meter Installation arrangements. Smart Meter connection for Electric supply.	Who will bear the cost of smart meters and who will provide the meters as utility meters are always the prerogative of utility department and not the consumer? We request BSCL to re-imburse it on actual bills.	All cost are included in operation and maintainance
5	9	6	Bidders should produce original Demand Draft/Bank Guarantee towards tender fee & bid security as mentioned in the Invitation for Bids (IFB) to the BSCL, Bhagalpur office during the period & time as mentioned in the IFB, failing which bid will not be accepted.	Due to the current pandemic situation, we request you to accept submission of all documents and fees via online platforms only.	As per eproc-2 guideline bid submission accepted (www.eproc2.bihar.gov.in)
6	12	11	Operation and Maintenance facility for five years.	Does O&M also include regular cleaning or it just includes O&M of all the electrical and mechanical fixtures?	O & M Cost will be borned by the bidder
7	22	4.3.d	The contractor/firm must have satisfactory completed as a prime contractor at least Three similar works of value 40[Forty]% or two similar work of value 60[Sixty]% or one similar work of value 80[Eighty]% of estimated bid amount during last five completed financial years between 2015-16 and 2019-20 (work of 90% or more of contract value executed will be taken as completed work).	We have few ongoing projects of very high which we have completed more than 50% and those are under public usage , request you to consider their partial completion certificates for our previous experience.	As per RFP

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
8	22	4.3.e	Experience in similar works means:- Setting up of Pre-fabricated/ Pre-Engineered E-toilets/ Bio- toilets with complete electrification and plumbing work	We have installed more than 120 smart toilets with features as required by the tender, in civil (RCC/ brick and mortar) structures. We request you to consider civil based e-toilets with smart features should also as similar work	As per RFP
9	23	4.4	Joint ventures are not acceptable.	Since the work involves a technology provider and a structure and other services provider. Usually these two entities are not the same. Hence, we request BSCL to allow for consortium of atleast 2 parties.	As per RFP
10	24	4.4 a	Engineering methodology is proposed to be adopted; the contractor or his identified sub-contractor or Experienced Vendor of that particular field shall produce Experience Certificate for executing the similar nature of work for the minimum amount as indicated in Appendix to ITB in any one year.	Will the experience of sub-vendor providing technology and bidder providing experience in prefabricated bio-toilets be acceptable?	As per RFP
11	24	4.6	Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under: Available Bid capacity = (A*3*N - B)	Our company was incorporated in 2016 and we devoted the first 2-3 years to product development. We have received 1 patent and filed for another 2 for our products. Hence our bid capacity might not be as required for qualification but we are a DIPP recognised startup and as per DIPP notification, We request BSCL to give us relaxation in this case as we have technical competency.	As per RFP
12	31	14	Bid Price submitted by the Bidder shall include Operation & Maintenance of 5 (five) years with 2 years Defect Liability Period.	Who will pay the electricity, water and sewerage bills during O&M period? We request BSCL to reimburse the charges on actuals during O&M period	To be borne by the Bidder
13	40	30.1	the Employer will award the Contract to the Bidder whose Bid has been determined i. To be substantially responsive to the bidding documents and who has offered the lowest evaluated Bid Price	It has been observed that high technology tenders with high-end technology should not be decided solely on L1 criteria. Some version of QCBS system for quality evaluation must be integrated in the evaluation process. In fact most Smart City tenders have incorporated QCBS or equivalent system in their tenders	As per RFP

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
14	45		List of items mentioned in "ANNEXURE – I	List of Indicative Equipment to be supplied and installed on Contract" is applicable only for civil construction and should not be applicable for SS pre-fab toilets	List of machinery mentioned in Annexure - 1 is indicative. However, bidder has to deploy machinery as per requirement and as per instruction of Engineer Incharge.
15	178		Drawings	Are the drawings fixed or tentative? Can we propose minor changes in the drawings as per our design while fulfilling/exceeding the specifications in the tender?	Minor changes may be considered provided they are with better specification and without any additional financial implications on BSCL. The decision of Engineer Incharge shall be final in this regard.
16	247		Total area 35 sft, with Built-access controlled main door and side walls made of SS Grade 304, Toilet floor and closet are to be stainless steel of grade 304.	Please allow the installation of Superstructure in Brick and Mortar with all the technical specifications mentioned herein RFP. We request you consider a brick and masonry based structure in view of overall aesthetics, comfort of users and ease of maintenance. The attached document lays out more details on this factor.	As per RFP
17	247		Technical Specifications:	What is the thickness and Material of construction for roof? Will it be SS-304 Sandwiched panel or GI sheet? For walls, whether we need to use SS-304 Sandwiched panels or just SS sheets? What is the thickness of walls, floor and roof SS-304 sheets/panels?	Thickness of walls and roof is 2 mm SS 304 sheet sandwiched panel however, thickness of floor is 3 mm of SS 304 sheet.
18	45 & 50	NA	ANNEXURE – I List of Indicative Equipment to be supplied and installed on Contract work [Reference Cl. 4.5 (B) (a)] a. Indicative list of equipment to be deployed	We request the authority to kindly clarify that the equipment's list shown in the table, is it necessary for awarding the tender?	Please refer to reply given in Sr. No. 14

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19	67	3.2	ARTICLE 3 OBLIGATIONS OF THE CONTRACTOR The bidder should not outsource the contract to the sub-contractor. An undertaking from the bidder to be submitted.	Kindly clarify the possibility of part of work outsourcing – civil works	As per RFP
20	206	NA	VOLUME-II- SECTION 7- TECHNICAL SPECIFICATION Design Specifications: Details of Materials and Specifications:	Kindly Clarify on the brand change possibilities.	As per RFP. However, bill of quantity at page 247 may be referred for further clarification.
21	248	NA	Bill of Quantity	In the BoQ only-specifications of eToilet is mentioned but in tender only general guidelines for construction is mentioned. So need conformation whether we need to follow only BoQ specification?	The specifications of E-toilet is mentioned in the Bill of Quantity however, specification of civil work are mentioned in Section 7.
22	NA	NA	General query EMD	Kindly clarify as an MSME like us whether we get any exception on EMD?	Please refer to reply given in Sr. No. 2
23	206	NA	VOLUME-II- SECTION 7- TECHNICAL SPECIFICATION Design Specifications: Details of Materials and Specifications:	Trademark issues: But due the trademark violations, no other bidder except Eram would be able to participate in this tender, as “e-toilet” is their registered trademark and no other smart toilet vendor can supply toilets with this title. For example: “Tender for Jaquar water tap” means only Jaquar OEM or reseller can bid for this tender , and Kohler or other brands are disqualified for participation basis brand name, which is UNFAIR practise.	Any Bidder with toilet conforming to specifications mentioned in RFP is eligible to participate in the tender (Kindly read as e-toilet as smart toilet)

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24	1	NIT	Earnest Money Deposit	NSIC Exemptions on EMD: As you are well aware of the fact that COVID pandemic has put great pressure on all organisations regarding cash liquidity. Hence, it would be great if your BSCL can allow EMD and exemptions as per the NSIC and DPIIT guidelines, being followed PAN India	As per RFP															
25	22	4.3 (d)	Qualification of the Bidder	<p>MSE Start-ups exemptions for work experience: We are the MOST cost effective solution provider in the smart toilet industry. Thus, our order sizes are big but contract values are comparatively less. Work Experience required by your RFP is as follows:</p> <table border="1"> <thead> <tr> <th>Project Value</th> <th colspan="2">Rs. 2,62,00,000/-</th> </tr> <tr> <th>Percentage Allowed</th> <th>Order Value</th> <th>No. of Order</th> </tr> </thead> <tbody> <tr> <td>40%</td> <td>10480000</td> <td>3</td> </tr> <tr> <td>60%</td> <td>15720000</td> <td>2</td> </tr> <tr> <td>80%</td> <td>20960000</td> <td>1</td> </tr> </tbody> </table> <p>We request MSE Start up exemptions, on this clause as well, as detailed below(referred from Jammu Smart Toilet tender, currently live till 20-may2021)</p>	Project Value	Rs. 2,62,00,000/-		Percentage Allowed	Order Value	No. of Order	40%	10480000	3	60%	15720000	2	80%	20960000	1	As per RFP
Project Value	Rs. 2,62,00,000/-																			
Percentage Allowed	Order Value	No. of Order																		
40%	10480000	3																		
60%	15720000	2																		
80%	20960000	1																		
26	22	4.3 (c & d)	<p>Relaxation in Eligibility criteria for MSE and Start-ups Through this tender JMC encourages participation of MSEs and Start-ups, who has technical capability to install & operate Smart Toilets as per specifications mentioned in scope of work but may not be able to meet the qualification criterion relating to prior experience and prior turnover. During the tender preparation following government policies/circulars/Notices/and Resolutions have been referred:</p>	a) Public Procurement policy (PPP) for Micro & Small Enterprises (MSEs) Order, 2012 issued vide Gazette Notification dated 23.03.2012 – Relaxation in Pre-qualification criteria with respect to Prior Turnover and Prior experience, In tender, participating Micro and Small Enterprises quoting price within price band of L1 + 15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price	as per RFP															

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27	22	4.3 (d)	Qualification of the Bidder	b) Ministry of Micro, Small & Medium Enterprises (MSME), Policy Circular No. 1(2)(1)/2016-MA Dt. 10th March 2016 - The Start-ups are normally Micro and Small Enterprises which may not have a track record. In exercise of Para 16 of Public Procurement Policy for Micro and Small Enterprises Order 2012, it is clarified that all Central Ministries/Departments/ Central Public Sector Undertakings may relax condition of prior turnover and prior experience	as per RFP
28	22	4.3 (d)	Qualification of the Bidder	The Start-ups & MSEs shall demonstrate requisite capability to execute the project as per the requirements and should have their own manufacturing facility in India.	as per RFP (Make in India)
29	22	4.3 (d)	Technical Capability	In line with Public Procurement Policy for Micro and Small Enterprises Order 2012 and Rule 173(i) of General Financial Rules (GFR) 2017; Micro & Small Enterprises (MSEs)/ Start-ups will be given relaxation up to 30 % on prior experience.	as per RFP
30	22	4.3 (d)	Technical Capability	Micro & Small Enterprises (MSEs)/ Start-ups should have minimum prior experience of two (2) years in Supply, Installation & Maintenance of Public Toilets/Urinals/Smart Toilets; ending 31st December 2020	as per RFP
31	22	4.3 (d)	Technical Capability	Micro & Small Enterprises (MSEs)/ Start-ups should have completed at least o three (3) similar works not less than Rs. 20 lacs each or two (2) similar works not less than Rs. 30 lacs each or one (1) similar work not less than Rs. 40 lacs in last two (2) years as on the bid submission date for Government of India (Ministry /Department / Undertaking / PSU / Autonomous body), State Government Departments, Urban Local Bodies or for major corporates as part of CSR activity.	as per RFP

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
32	22	Section 4, cl 4.3	Technical Capability	Micro & Small Enterprises (MSEs)/ Start-ups are required to submit supporting document for the past experience i.e. copy of the purchase order and work completion report etc. duly notarised along with contact details of the end user. These documents would be subject to further verification by the JMC.	as per RFP
33	22	4.3 (c)	Financial Capability	In line with Public Procurement Policy for Micro and Small Enterprises Order 2012 and Rule 173(i) of General Financial Rules (GFR) 2017; Micro & Small Enterprises (MSEs)/ Start-ups will be given relaxation up to 30 % on turn over.	As per RFP.
34	22	4.3 (c)	Financial Capability	Micro & Small Enterprises (MSEs)/ Start-ups should have average annual turnover of at least Rs. 40 lakhs in last two financial years ending 31 March 2019, i.e. (FY 2017-18 and FY 2018-19).	As per RFP.
35			Financial Capability	Micro & Small Enterprises (MSEs)/ Start-ups are required to submit Copy of audited Balance Sheet for each of the last/previous two (2) financial years as on financial year ending 31st Mar, 2019., Copy of audited Profit & Loss statements for each of the last 2 Financial years as on 31st March, 2019, Certificate from the statutory auditor / Chartered Accountant (CA) clearly specifying the annual turnover for each of the last 2 financial years as on 31st Mar, 2019. Original or Notarized Copy should be submitted for evaluation.	As per RFP

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36	22	4.3(a)	Documents and information to be submitted by bidders	Micro & Small Enterprises (MSEs)/ Start-ups must be registered with any of the following in order to avail relaxation in prior experience and prior turnover: District Industries Centers (DIC); Khadi and Village Industries Commission (KVIC); Khadi and Village Industries Board; Coir Board; National Small Industries Corporation (NSIC); Directorate of Handicraft and Handloom; Any other body specified by Ministry of MSME (MoMSME); Udyog Aadhaar Acknowledgment/Udyog Aadhaar Memorandum issued by MoMSME	As per RFP.
37	22	4.3(a)	Documents and information to be submitted by bidders	MSEs participating in the tender must submit valid & authorised copy of certificate of registration with any one of the above agencies.	As per RFP.
38	22	4.3(a)	Documents and information to be submitted by bidders	The bidder who intends to participate as “Start-up” company should enclose the Certificate of Recognition issued by Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, Govt. of India.	As per RFP.
39	22	4.3(a)	Documents and information to be submitted by bidders	In case of bidders submitting DIC registration certificate shall attach original notarised copy of the DIC certificate.	As per RFP.
40	22	4.3 (d&e)	Documents and information to be submitted by bidders	The MSE’s Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE’s certificate matches with the nature of the services and goods /items to be supplied as per Tender.	As per RFP.
41	22	4.3 (c,d&e)	Documents and information to be submitted by bidders	Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME.	As per RFP.

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42	22	4.3(a)	Documents and information to be submitted by bidders	The registration certificate issued from any one of the above agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.	As per RFP.
43	22	4.3(a)	Documents and information to be submitted by bidders	The MSEs who have applied for registration or renewal of registration with any of the above agencies/bodies, but have not obtained the valid certificate as on close date of the tender, are not eligible for exemption/preference.	As per RFP.
44	46	ANNEXURE - II	Minimum Key Personal to be deployed on Contract Work by the Contract Agency during construction period	-	The bidder has to deploy personnel as per site requirements during construction and O & M period. The decision of Engineer Incharge shall be final in this regard.
45	41	Clause No. 33.1	Within 15 (Fifteen) days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance security in any of the forms given in 32.2 for an amount equivalent to 3% of the Contract price. Including earnest money plus additional security for unbalanced Bids in accordance with the Clause 29.5 of ITB and the provisions of Bihar Financial Rules.	-	Within 15 (Fifteen) days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance security in any of the forms given in 33.2 for an amount equivalent to 2% of the Contract price and provision to take an additional security for unbalanced Bids in accordance with the Additional Performance Guarantee of RFP.
46	69	Clause No. 3.8	The contractor will provide a vehicle having 5 to 6 persons for transporting engineers and supervisors of BSCL for the requirement of the project.	-	Not Applicable
47	151	Clause No. 25.18.1	A well-maintained SUV vehicle with fuel and driver for the day-to-day works / site visit shall be provided by the contractor to the Client.	-	Not Applicable

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
48	7	IFB 1(b)	Scope of work	Plumbing works including water supply connection with auto flushing and auto cleaning arrangement includes internal plumbing works related to structure or additional boring needs to be done at each site for water supply?	All works related to water supply connections as well as electricity connections till the structure will be under BSCL scope. The bidder shall only be responsible for any work related to plumbing /sanitation/ electrification inside structure premise only.
49	109	17.3	Procedure for estimating the payment of works	Please clarify if payments shall be made on monthly basis on the number of units installed in that month including quantity of civil works done or otherwise?	The payment shall be made after successful commissioning & handover of every standalone E-Toilet / Smart Toilet.
50	109	17.3	Procedure for estimating the payment of works	Please clarify the payment schedule for O&M	The payment terms for O&M will be on monthly basis.
51	22	4	Qualification of the bidder	Since smart city tenders are most crucial in terms of execution and implementation, we request you to allow bidders that have not incurred any financial loss in last 5 FY among so to allow only quality bidders to participate. As many of the standard bidding documents only allow bidders that hasn't incurred any financial losses during the number of years of statement asked for in any particular bid so that only quality bidders shall be encouraged to participate	As per RFP.
52	31	14	Bid Price submitted by the Bidder shall include Operation & Maintenance of 5 (five) years with 2 years Defect Liability Period.	Please clarify if the defect liability period is included in the five years of O&M or it will be counted after O&M ends? Please consider defect liability period to be two(2) years from the date the system is handed over/commissioned for use	The defect liability period for every E-Toilet structure will be one (1) year handover (at end of O & M period) is done.
53	18	13	Successful bidder shall have to take all necessary approvals and clearances from the competent authority such as Ministry of Environment and Forest (MoEF)/Central Pollution Control Board/ State Pollution Control Board etc.	Approval and site NOC should be clients responsibility as this can take unaccounted time.	Deleted.

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
54	18	12	If any work is awarded to a bidder after submission of bid to BSCL, his bid capacity shall be reduced by that bid amount as indicated in Para1.4 of Qualification Information & Other Forms (Section-3 of ITB).	Bid capacity is not applicable on short term projects	As per RFP.
55	23	4.3	The contractor/firm must have satisfactory completed as a prime contractor at least Three similar works of value 40[Forty]% or two similar work of value 60[Sixty]% or one similar work of value 80[Eighty]% of estimated bid amount during last five completed financial years between 2015-16 and 2019-20 (work of 90% or more of contract value executed will be taken as completed work).	NSIC/DPIIT exemption requested as per guidelines. To encourage Make in India and start-up participations.	As per RFP.
56	178	Schedule H	drawings as per Pre-fab design and size specifications	As indicated in the title and similar works definition, this is a Smart pre-engineered toilet requirement, and pre-engineered structures are mostly available in SS/GS/ACP materials, for relocation and longer shelf life benefits. Also the drawings indicate pre-fabricated toilet layout, but the TP does not match with floor plan drawings and material prescribed	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.
57	179	Schedule H	Additional drawings: Septic Tank with soak pit	Should Bio digester tank, for responsible waste management	As per RFP.
58	180	Anex -I (Schedule _H)	All drawings related to civil works shall be provided to the bidder by the Authority]	These are specialized smart toilets, whose foundation drawings could be approved by BSCL, but designs should be submitted by the bidder	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
59	206 - 208	Section 7	Foundation & Plinth: RCC Column Structure of grade M25 or higher and Fe 500 TMT bars conforming to IS 1786:2008	These are specialized smart toilets, whose foundation drawings could be approved by BSCL, but designs should be submitted by the bidder	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.
60	206 - 208	Section 7	Super Structure: RCC framed structure all column and beam with concrete of grade M25 or higher and reinforcement as per design for Fe 500 TMT bars conforming to IS 1786:2008	As indicated in the title and similar works definition, this is a Smart pre-engineered toilet requirement, and pre-engineered structures are mostly available in SS/GS/ACP materials, for relocation and longer shelf life benefits. Also the drawings indicate pre-fabricated toilet layout, but the TP does not match with floor plan drawings and material prescribed	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.
61	206 - 208	Section 7	RCC roof slab 125mm thick in M25 Chajja 75mm thick 0.6 m wide in RCC.	As indicated in the title and similar works definition, this is a Smart pre-engineered toilet requirement, and pre-engineered structures are mostly available in SS/GS/ACP materials, for relocation and longer shelf life benefits. Also the drawings indicate pre-fabricated toilet layout, but the TP does not match with floor plan drawings and material prescribed	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
62	206 - 208	Section 7	Walls: Brick work in flyash bricks and internal walls work in AAC block	As indicated in the title and similar works definition, this is a Smart pre-engineered toilet requirement, and pre-engineered structures are mostly available in SS/GS/ACP materials, for relocation and longer shelf life benefits. Also the drawings indicate pre-fabricated toilet layout, but the TP does not match with floor plan drawings and material prescribed	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.
63	206 - 208	Section 7	Plaster: 12mm thick 1:4 inside, 24mm thick 1:4 outside, 6mm thick 1:4	As indicated in the title and similar works definition, this is a Smart pre-engineered toilet requirement, and pre-engineered structures are mostly available in SS/GS/ACP materials, for relocation and longer shelf life benefits. Also the drawings indicate pre-fabricated toilet layout, but the TP does not match with floor plan drawings and material prescribed	Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.

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64	206 - 208	Section 7	<p>Flooring:</p> <p>a. Rooms: Vitrified tile flooring over flat brick soling as per design conforming to IS:15622 as per the requirement .</p> <p>b. Toilets, Laundry, Wash and Kitchen: Anti-skid floor tiles in Kitchen and Toilets/ baths conforming to IS:15622/ISO13006 on 20 mm thick 1:4 cement mortar</p> <p>c. Foyer, Waiting Hall, Dining hall, Corridor, Medical Shops and Staircase: 25 mm thick Kota stone laid in 20mm thick 1:4 cement mortar</p> <p>d. Wall Tile/Dado/Skirting in Kitchen, Toilet and Bath:</p> <p>e. Skirting:150mm skirting of same material as flooring,</p> <p>f. Dado: 600mm above kitchen counter, window sill and window side of ceramic glazed tile in 1:3 cement mortar,</p> <p>g. Bath/Toilet: Ceramic glazed tile 2m from</p>	<p>SS flooring ensures, less microbial growth and quick smart floor wash and wall wash, which reduce manual cleaning to as low as 30% Also, in the Welcome area we could put anti-skid vitrified tiles for aesthetics</p>	<p>Drawings are enclosed in the RFP. All work shall be done as per the direction of Engineer Incharge.</p>
65	206 - 208	Section 7	<p>Doors:</p> <p>a. Frames:</p> <p>i. External Doors frame as per design in pressed steel door frames made of 1.60mm mild steel sheet conforming to IS 4351</p> <p>ii. Internal Door Frame in 1 ½ inch/ 35 mm thick wood of Local wood, Subject to change on discretion to Second class Teak wood/ Sal wood/ Seasoned hollock wood/ Local wood</p>	<p>No External door as shown in the RFP drawings, and it is not required in Smart pre-fab toilet layout. Also, toilet doors will also be of SS 304 grade insulated material, as per industry Smart Toilet design standards.</p>	<p>As per bill of quantity</p>

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
66	206 - 208	Section 7	Door Shutter: Minimum 25 mm Thick (Internal Doors) and minimum 30mm Thick external Doors (Entry Doors) of first-class hard wood conforming to IS 4616 or IS 2202 subject to final approved design and execution.	No External door as shown in the RFP drawings, and it is not required in Smart pre-fab toilet layout. Also, toilet doors will also be of SS 304 grade insulated material, as per industry Smart Toilet design standards (30 mm thickness).	As per bill of quantity
67	206 - 208	Section 7	c. Paint: Two coats of enamel paint over one coat of wood primer of approved shade	If SS-304 is used for toilet doors and toilet unit, then paint is not required	Accepted and painted with epoxy water proof paint
68	206 - 208	Section 7	Windows: Approved make, Aluminium Section with appropriate tubular section or Z section conforming to IS: 733 and IS: 1285 with powder coating of 50 microns, float glass panels of 4.0mm thickness, grill made of MS steel with 20mm X 6mm flat or 10mm square bar with 18kg/sqm minimum as per design, with suitable coating of enamel paint and red oxide zinc chromate primer	Window in pre-fab unit are made SS -304 frame material	As per bill of quantity
69	206 - 208	Section 7	Painting: a. Interior and ceiling: Surface smoothed with 2mm thick white wall putty, over it one coat of white cement primer, over it two coats of acrylic emulsion paint of approved shade. b. Exterior: Application of exterior acrylic smooth paint with silicone additives	SS-304 does not require paint and other non SS structure can be painted with epoxy water proof paint	Accepted and painted with epoxy water proof paint

Sr. No.	RFP Page No.	Clause No.	Description as per RFP	Queries / Suggestions	Clarification
70	206 - 208	Section 7	Sanitary ware: a. Water closet: Vitreous white glazed earthen ware water closet (Indian/ European W.C. Pan) conforming to IS 7231 of approved make with china/Orissa pattern footrest (Indian W.C. pan) with P or S trap, plastic cistern of approved make and capacity. b. Urinal: White vitreous china flat back urinal with standard flushing cistern and spray fittings c. Wash Basin: White Vitreous glazed earthenware wash hand basin of approved make. d. Washroom Fittings: fittings as per approved make of C.P. Brass	Smart toilets to have low repair cost in the O& period, it is recommended to use SS-304 fittings and fixtures, which will practically make repair cost zero and the smart automation features can be integrated with these fittings and fixtures	As per bill of quantity
71	206 - 208	Section 7	Water Supply: All internal water supply through PVC pipes and UPVC pipes wherever applicable as per design conforming to IS 4985-1978 Series IV.	CPVC pipes are more effective as there is less salt accumulation in CPVC pipes	As per RFP
72	206 - 208	Section 7	The contractor should use good quality ISO Certified and branded items in the project and give Warranty/Guarantee for all noncivil items, fit outs etc. for at least 2 years after completion of project.	We are an ISO certified OEM	As per RFP. However, defect liability period will be one (1) year.

Sd/-
Chief Executive Officer,
Bhagalpur Smart City Limited