

**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED**

**TECHNICAL BID SHEET**

Name of Work	TO (I) DESIGN AND BUILD THREE NOS SEWAGE TREATMENT PLANT OF INSTALLED CAPACITY 11 MLD, 7 MLD and 3 MLD AND ALL APPURTENANT STRUCTURES AND ALLIED WORKS INCLUDING STFF QUARTERS, TREATED EFFLUENT CHANNEL FOR DISPOSAL, CONTROLLED WITH SCADA(II) SURVEY, REVIEW THE DESIGNS, REDESIGN WHERE NECESSARY, AND BUILD NEW 6 NOS I&D STRUCTURES FOR THE DRAINS, SURVEY, DESIGN, CONSTRUCTION OF 4 NO. INTERMEDIATE PUMPING STATIONS AND ALL APPURTENANT STRUCTURES AND ALLIED WORKS INCLUDING GRAVITY MAIN, RISING MAIN AND EFFLUENT CHANNEL INCLUDING CONTROLLED WITH SCADA ON EACH PUMPING STATION & SCREENING ARRANGEMENT AT STP 1(11MLD STP); (III) OPERATION & MAINTENANCE OF THE COMPLETE WORKS OF SEWAGE TREATMENT PLANT, INTERCEPTION & DIVERSION WORKS, INTERMEDIATE PUMPING STATIONS, GRAVITY MAIN, RISING MAIN AND EFFLUENT CHANNEL FOR A PERIOD OF 15 YEARS IN DEHRI ON SONE TOWN , STATE OF BIHAR , INDIA.			Time of Completion	1.5 Year (Design and Build) 15 Year (O&M)	ALL COLOURED CELL TO BE FILLED ACCORDINGLY
				Tender to be Published on Eproc site	.....	
Sl No.	Items	Condition as per Bidding Document	Requirement	Name of the Contractor		
				Address of the Contractor		
				Contact no. of the Contractor		
1	Bid Validity	Bids shall remain valid for a period not less than 180 days after the deadline date. A Bid valid for a shorter period shall be rejected by the Employer as non-responsive	180 Days			
2		Form of Bid security declaration				
3	(i) Legal Status of Bidder.					
	(ii) Place of Registration.					
	(iii) Principal place of Business					

	(iv) Power of attorney of signatory Bid	Attached or Not			
	1.4. Experience in Construction and Operation and Maintenance of Sewage Treatment Plant and Interception & Diversion Works- The Bidder shall provide evidence that				Mention in detail of experience with page no.
4	1. The Bidder shall provide evidence that it has designed, developed, built, tested and commissioned at least 1 STP of 9 MLD or 2 STP of 7 MLD or 3 STP of 4 MLD during last 7 years preceding the month of publication of NIT.				
	2. The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant with the same technology as proposed for this contract for the lowest STP capacity mentioned in clause 1.4 (a) 1 of qualification criteria part h, operating successfully for a period of 1 year during the last 7 years preceding the month of publication of NIT.				
	3. The Bidder has the experience in operating and maintaining successfully STPs at least 1 STP of 9 MLD or 2 STP of 7 MLD or 3 STP of 4 MLD during 1 year over the last 7 years preceding the month of publication of NIT.				
	4. The treatment technology proposed for this contract has been adopted (not necessarily built by the bidder) in at least 3 locations during last 7 years preceding the month of publication of NIT and that such STP has been operating successfully (meeting the required performance standards and environmental norms specified in the Contract) for a period of minimum 2 years over a period of last 7 years preceding the month of publication of NIT.				
	5. It has designed, developed, built, tested and commissioned Sewerage Network and Pumping Station(s) of 2.3 KM collectively from maximum 3 projects during the last 7 years preceding the month of publication of NIT; of which 300 mtr should be above the pipe diameter (500mm)				
	6. The bidder or his nominated sub-contractor has operated and maintained Sewerage Network and Pumping station of 2.3 KM length collectively from maximum 3 projects during 1 year over the last 7 years preceding the month of publication of NIT.				
5	<b>Financial Capabilities</b>				
a	a. The Bidder shall demonstrate that it possesses a net worth equivalent to minimum of INR 8.32 Cr. in each of the last three financial years preceding the date of submission of bid.				
	2018-19			Amount To be entered (Rs in crore)	
	2019-20			Amount To be entered (Rs in crore)	
	2020-21			Amount To be entered (Rs in crore)	

b	<p>b. The Bidder shall demonstrate by submitting along with its bid, a banker's certificate that it has available cash credit facility equivalent to minimum INR 5.54 Cr. as on the date of submission of bid. However, in absence of such certificate the bidder shall provide an undertaking that ( As per annexure-2 ) to submit a banker's certificate that it has available cash credit facility equivalent to minimum INR 5.54 Cr. Within 15 days of issuance of Letter of Award (LOA) before signing of agreement.</p>			Amount To be entered (Rs in crore)																											
c	<p>c. The Bidder's audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Owner, for the last five years shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its prospective long-term profitability. If deemed necessary by the Owner, the Owner shall have the authority to make inquiries with the Bidder's bankers.</p>																														
6	<p>List of Key Staff to be deployed by the Operator during the Design buildservices for STP and Sewerage Network Works</p>	<table border="1"> <thead> <tr> <th data-bbox="781 639 1164 719">Position (Qualification &amp; Work)</th> <th data-bbox="1164 639 1373 719">Numbers</th> <th data-bbox="1373 639 1559 719"></th> <th data-bbox="1559 639 1794 719">Name of the Personnel</th> <th data-bbox="1794 639 2011 719">Experince in years</th> </tr> </thead> <tbody> <tr> <td data-bbox="781 719 1164 847"> <b>Project Manager</b> - A Graduate in Civil Engineering with not less than 10 years' experience in construction of Sewage Treatment Plants/ Sewerage networks. </td> <td data-bbox="1164 719 1373 847">1</td> <td data-bbox="1373 719 1559 847"></td> <td data-bbox="1559 719 1794 847"></td> <td data-bbox="1794 719 2011 847"></td> </tr> <tr> <td data-bbox="781 847 1164 1031"> <b>Civil Engineer</b> - A Civil Engineer (Graduate Engineer) with not less than eight years' experience in construction of similar engineering works or Diploma in Civil Engineering with 8 years' experience </td> <td data-bbox="1164 847 1373 1031">2</td> <td data-bbox="1373 847 1559 1031"></td> <td data-bbox="1559 847 1794 1031"></td> <td data-bbox="1794 847 2011 1031"></td> </tr> <tr> <td data-bbox="781 1031 1164 1222"> <b>Electro Mechanical Engineer</b> - A Electro /Mechanical Engineer (Graduate Engineer) with not less than 8 years' experience in construction of similar engineering works or Diploma in Electro/ Mechanical Engineering with 10 years' experience. </td> <td data-bbox="1164 1031 1373 1222">1</td> <td data-bbox="1373 1031 1559 1222"></td> <td data-bbox="1559 1031 1794 1222"></td> <td data-bbox="1794 1031 2011 1222"></td> </tr> <tr> <td data-bbox="781 1222 1164 1324"> <b>Civil Supervisors</b> - Diploma in Civil Engineering with minimum 2 years' experience in Construction of Civil Engineering works </td> <td data-bbox="1164 1222 1373 1324">3</td> <td data-bbox="1373 1222 1559 1324"></td> <td data-bbox="1559 1222 1794 1324"></td> <td data-bbox="1794 1222 2011 1324"></td> </tr> </tbody> </table>	Position (Qualification & Work)	Numbers		Name of the Personnel	Experince in years	<b>Project Manager</b> - A Graduate in Civil Engineering with not less than 10 years' experience in construction of Sewage Treatment Plants/ Sewerage networks.	1				<b>Civil Engineer</b> - A Civil Engineer (Graduate Engineer) with not less than eight years' experience in construction of similar engineering works or Diploma in Civil Engineering with 8 years' experience	2				<b>Electro Mechanical Engineer</b> - A Electro /Mechanical Engineer (Graduate Engineer) with not less than 8 years' experience in construction of similar engineering works or Diploma in Electro/ Mechanical Engineering with 10 years' experience.	1				<b>Civil Supervisors</b> - Diploma in Civil Engineering with minimum 2 years' experience in Construction of Civil Engineering works	3							
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		<p><b>Environmental Engineer</b> - Graduate in civil Engineering / environmental Science / environmental planning with total 5 years' experience of which minimum 3 years' experience in environmental management works of urban infrastructure projects.</p>	1			
		<p><b>Health and Safety Engineer</b> - Graduate in any field with specialised qualification in Occupational Health and safety (OHS) with total 5 years' of experience of which 3 years' in management of OHS works in infrastructure projects.</p>	1			
		<p><b>Social Expert</b> - Degree in Social science / Sociology / Social Work / Anthropology / Planning with total 5 years' experience of which 3 years in management of social safeguard activities in infrastructure projects.</p>	1			
		TOTAL = Nos.	10			
7	Litigation History as per Information (6)	Information regarding any litigation, current or during the last seven years, in which the Bidder is involved, the parties concerned, and disputed amount. (Attached or not)				
8	Environmental, Social, Health and safety performance declaration as per information (7)					
9	Affidavit	Regarding statement that firm is not blacklisted and/ or rescind in any department of state or central government				
10	Design and conceptual Drawing ( As per section 3, Preparation of Bid, Clause 3.3, Part-I of the Technical Section of the Bid)			To be entered in months		