

PRE-BID QUERIES FOR
Tender - Design of STP and Supply, Erection Supervision & Commissioning of proprietary Components for 7 MLD STP at BHEL-Haridwar
NIT- 34949

Sl. no.	Tender Reference	Tender Specifications	Clarification/Confirmation required	BHEL Reply dated 27.10.2017
1	Annexure-A Prequalification Criteria SL No. 2.0 A) C) & D)	A) THE BIDDER SHOULD BE A TECHNOLOGY PROVIDER (I.E IN-HOUSE TECHNOLOGY) FOR “SEQUENTIAL BATCH REACTOR ” (SBR) TECHNOLOGY OF SEWAGE TREATMENT PLANTS (STPs). B) THE BIDDER SHOULD HAVE PROVIDED ALL THE FOLLOWING FOR AT LEAST ONE PLANT BASED ON SBR TECHNOLOGY OF MINIMUM PLANT CAPACITY OF 5.5 MLD (AVERAGE FLOW): I) PROCESS DESIGN FOR THE BIOLOGICAL TREATMENT SYSTEMS II) PERFORMANCE GUARANTEES FOR SBR PROCESS III) DESIGN AND SUPPLY OF KEY EQUIPMENT LIKE DECANTER, DIFFUSER AIR GRID IV) PROGRAMMING LOGIC OF THE BIOLOGICAL TREATMENT PROCESS FOR IMPLEMENTATION IN THE PLC THE RECEIPT DATE OF THE PURCHASE ORDER OF THE REFERENCE PROJECTS INDICATED BY THE BIDDER SHOULD NOT BE MORE THAN 10YRS OLD AS ON DATE OF TENDER ENQUIRY AND THE PLANT SHOULD HAVE BEEN WORKING SATISFACTORILY FOR AT LEAST TWO (2) YEARS, AS ON DATE OF TENDER ENQUIRY. C) IN LAST 10 (TEN) YEARS FROM THE DATE OF TENDER ENQUIRY, THE BIDDER SHOULD HAVE COMPLETED THE FOLLOWING ENGINEERING ACTIVITIES FOR STP PLANTS WITH SBR TECHNOLOGY EITHER IN A SINGLE PLANT OR SEPARATELY IN DIFFERENT PLANTS: I) DETAIL ENGINEERING OF COMPLETE STP INCLUDING PRIMARY, TERTIARY TREATMENT SYSTEMS AND SLUDGE DISPOSAL SYSTEM. II) PROCUREMENT ENGINEERING INCLUDING PREPARATION OF PURCHASE SPECIFICATIONS OF EQUIPMENT/SYSTEMS OF THE STPs. III) ENGINEERING OF BASIC INPUTS FOR REQUIRED FOR CIVIL, ELECTRICAL AND CONTROL & INSTRUMENTATION ENGINEERING OF THE STPs. D) THE BIDDER SHALL FURNISH THE FOLLOWING DOCUMENTS OF THE REFERENCE PLANT SELECTED UNDER CLAUSE B AND CLAUSE C ABOVE FOR ASSESSING BIDDER’S PRE-QUALIFICATION ALONG WITH TECHNICAL OFFER: I) SATISFACTORY PERFORMANCE FEEDBACK CERTIFICATE FROM END USER (IN ENGLISH) INDICATING BIDDER IS THE TECHNOLOGY PROVIDER AND ALSO SALIENT FEATURES LIKE PROJECT NAME, DATE OF SUPPLY & COMMISSIONING OF THE PLANT, DATE OF ISSUE OF THE CERTIFICATE AND NAME/DESIGNATION OF THE CERTIFICATE ISSUER AS PER ANNEXURE-AA ENCLOSED. II) COPY OF PURCHASE ORDER. III) COPIES OF DRAWINGS/DOCUMENTS INDICATING DETAIL ENGINEERING OF STP, PROCUREMENT ENGINEERING AND ENGINEERING OF BASIC INPUTS.	As per Clause D, Bidder has to furnish Performance Feedback Certificate to show his experience from the End User. We would like to highlight here that while End Users issues Performance Feedback Certificates to the Technology Provider for providing technology, they do not issue the same for the Engineering Consultant, as there is no direct relation between them and as engineering service is provided to the contracting agency. Therefore Performance Feedback Certificates for Engineering Activities is issued by the contracting agencies as engineering service is provided to them directly. Considering the above we request to accept the certificates from the contracting agencies to fulfil the clause C).	Satisfactory performance feedback certificate from contracting agencies is acceptable.
2	JOB SPECIFICATION FOR 7.0 MLD SBR TECHNOLOGY BASED SEWAGE TREATMENT PLANT, Section 2.0 Raw Sewage Quality	BOD: 40-100 mg/l COD: 100-200 mg/l TSS: 100-200 mg/l PO4: 2-4 mg/l TKN: 6-22 mg/l	We presume that the biological system shall be designed for the average parameters & shall be able to handle variation within the range.	Biological system shall be designed to cater the parameters mentioned in technical specification.

PRE-BID QUERIES FOR
Tender - Design of STP and Supply, Erection Supervision & Commissioning of proprietary Components for 7 MLD STP at BHEL-Haridwar
NIT- 34949

Sl. no.	Tender Reference	Tender Specifications	Clarification/Confirmation required	BHEL Reply dated 27.10.2017
3		Bid Evaluation	We request you to kindly consider the volume of SBR Basin and Power consumption of SBR for evaluation purpose. This will enable established technology provider having less volume & power loading participating in the bid.	Bidder to refer to revised specification document uploaded as corrigendum.
4	TECHNICAL PURCHASE SPECIFICATION FOR DESIGN OF STP AND SUPPLY OF SBR COMPONENTS (BIOLOGICAL TREATMENT), Section C. PLC System	PLC based automation system shall be designed using adequate redundancy features.	We understand that redundant PLC has been specified to avoid long interruption in the plant operation & controls. Alternatively, it can also be achieved by providing normal non-redundant PLC along with spares like preprogrammed PLC hardware like CPU, Power supply etc. In the unlikely event of PLC system failure the same can be made functional within 1-2 hrs. with the help of the spares. Kindly confirm that we can consider non-redundant PLC/SCADA with required spares.	Bidder's proposal of non-redundant PLC/SCADA with required spares is Not Acceptable. PLC based automation system shall be designed using adequate redundancy features (Processor, Power Supply , Network) as per specification requirements.
5	Document No. PY-51264, Page No.3, Point No. A2. Floating Type of Decanter as detailed below	"A2. Floating type of decanter, associated equipment and accessories as described herein for each basin (Bidder scope of supply includes all components required for trouble free operation of floating decanter and not limited to following): a) Each decanter shall consist of an integral floatation unit, a fiberglass reinforced plastic float and draw tube with 304/316 stainless steel spring loaded solids excluding valves, a heavy duty wire reinforced flexible hose, steel knee brace and elbow which connects the decanter."	We would like to request you to kindly amend the above qualification as fiberglass reinforced plastic float material is used in smaller capacity package plants. We have enclosed our floating decanter document for your reference: a) Each floating decanter shall consist of an integral floatation unit, the permanent float pipe, collector pipe, draw tube with knee joint in SS304. Also vendor has to supply heavy duty flexible reinforced rubber hose pipe with motorized butterfly valve for making decanter assembly complete."	Noted. As bidder is offering Stainless steel MOC which is superior to FRP (as per specification), the same is acceptable.

PRE-BID QUERIES FOR
Tender - Design of STP and Supply, Erection Supervision & Commissioning of proprietary Components for 7 MLD STP at BHEL-Haridwar
NIT- 34949

Sl. no.	Tender Reference	Tender Specifications	Clarification/Confirmation required	BHEL Reply dated 27.10.2017
6	Document No. PEIC-04269, Page No.3, Point No. 6 Documentation and as detailed below	“DOCUMENTATION 6.1 During drawing approval stage (within two weeks of PO Placement). Following documents are to be provided by bidder as a minimum for BHEL review / approval. a) PLC panel GA drawings & mounting arrangement details. b) System architecture c) Bill of material (Main supply & installed/mandatory spares in separate columns) d) PC & Printer technical details e) UPS & non-UPS power consumption details f) Power supply wiring diagrams and distribution g) I/O loop diagrams h) As configured logics i) Dynamic Graphics j) PLC termination details (After engineering is completed) k) Furniture GA, make, model details l) Fat/Sat procedures m) As shipped documents (Along with PLC supply system) n) As built documents (after commissioning of PLC system) o) Any other documents are required, same will be finalized during kick of meeting after PO Placement”	We would like to confirm that PLC as configured logics document mentioned would not be provided by Premier Tech as the same is Premier Tech proprietary document and could not be shared. Also, the same document is not required for either commissioning or further running of plant. Request you to kindly amend the same.	This shall be discussed during detailed engineering.
7	Consolidated Specification,	Annexure A Scheme of Sewage Treatment plant	We are having issues on the scheme of Sewage Treatment Plant provided in tender document as that can only be provided by single technology provider. We have enclosed PTA standard P&ID. Request you to kindly confirm if we can follow our P&ID.	The scheme provided for Sewage treatment plant is typical scheme for STP. Bidder to quote as per the details mentioned in the specification.