

## Pre-Bid Query & Reply

**Tender No. -BUIDCo/Yo-2037/21 - 43, Date - 03.11.2022**

**Project Name - TO (I) DESIGN AND BUILD TWO NOS SEWAGE TREATMENT PLANT OF INSTALLED CAPACITY 4.5 MLD BEFORE AQUEDUCT AND 4.5 MLD AFTER AQUEDUCT ALONG WITH ALL APPURTENANT STRUCTURES AND ALLIED WORKS CONTROLLED WITH SCADA INCLUDING 460 MTR APPROACH ROAD (II) SURVEY, REVIEW THE DESIGNS, REDESIGN WHERE NECESSARY, AND BUILD 1.95 KM INTERCEPTION DRAIN BEFORE AQUEDUCT & 2.1 KM INTERCEPTION DRAIN AFTER AQUEDUCT FOR TAPPING OF 37 DRAINS, INCLUDING SCREENS AND MECHANICALLY OPERATED GATES FACILITATING SURFACE WATER RUNOFF INTO RAMREKHA RIVER (III) OPERATION & MAINTENANCE OF THE COMPLETE WORKS OF SEWAGE TREATMENT PLANT, INTERCEPTION & DIVERSION WORKS, AND EFFLUENT CHANNEL FOR A PERIOD OF 15 YEARS IN **RAMNAGAR** TOWN , STATE OF BIHAR , INDIA.**

S.No.	Ref. Bid Document			Subject/ As per tender	Bidder queries	Client Reply
	Doc. Name/ Section	Page No.	Clause No.			
1	5677- Bid Doc- Ramnagar ID and STP			2.3	Please provide capacity and location on layout for 4 nos. IPS.	There are 2 No Sumpwell and 2No. MPS in STP premises. Please refer annexure-1 for Latitude and Longitude location of above structures for your reference only.
2	5677- Bid Doc- Ramnagar ID and STP			General	Please provide invert level and disposal location length of pipeline from STP.	The length of outfall pipeline is 20 Mtr from STP which goes to river.
3	5677- Bid Doc- Ramnagar ID and STP			General	As per latest NGT norms treated sewage parameters are stated as (TSS<10, TN<5) however tender states that (TSS<20, TN<10) kindly confirm which parameter should be considered In case BUIDCO adopts latest NGT parameters necessary amendment for treated sewage parameters may please be issued.	Bid condition shall prevail.
4	5677- Bid Doc- Ramnagar ID and STP			General	Can we consider inlet sewage parameters as per CPHEEO. Kindly confirm.	Bid condition shall prevail.
5	5677- Bid Doc- Ramnagar ID and STP			General	Kindly confirm whether bidder can consider peak factor as per CPHEEO.	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCO.
6	5677- Ramnagar Autocad			General	Please confirm that bidder can propose their own design based on process calculations.	Bid condition shall prevail.
7	5677- Bid Doc- Ramnagar ID and STP			2.6	Please confirm that chemical, manpower and sludge handling in contractor's scope, remaining items or any other will be in client's scope during O&M.	Chemical, manpower, sludge handling and remaining items or any other will be in contractor's scope.
8	5677- Bid Doc- Ramnagar ID and STP			General	Please confirm that bidder can propose chlorination system for disinfection purpose.	Bidder is free to propose technology in this DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices.
9	17998- Financial Sheet R			General	Kindly confirm that scope of work is only limited to the items of BOQ as per financial sheet.	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCO.
10	5677- Bid Doc- Ramnagar ID and STP			"All three STP's capacity 11MLD, 7MLD and 3 MLD sewage treatment plant to be Designed, Build, Tested and Commissioned by the Operator / Operator shall comply with the guidelines contained in "Manual on Sewerage and Sewage Treatment"	As per statement kindly confirm that above plant capacities are typo errors in Bid Doc.	Yes, this is type error. Please consider 2 STP's of each capacity is 4.5 MLD
11	5677- Bid Doc- Ramnagar ID and STP			General	We understand that the site designated for setting of both STP's plant is under legal possessions of BUIDCO and is free from all hindrances. In case of award of work the site will be handed over to contractor within the No. of days specified as per tender.	NOC received for proposed STP
12	ARTICLE 2. Scope of Work, Section 13.			29 Process Instrumentation, Control. and SCADA System	The instrumentation shall include online measurement of influent and effluent parameters for sewage, sludge and sludge gas. Query: (i). Bidder shall consider Online Monitoring system at influent and effluent Sewage. Please confirm Required Parameters for online measurement of influent and effluent parameters for sewage. (ii). Please also confirm, any data transfer is required to CPCB or SPCB from Online Monitoring system.	Bidder have to provide a SCADA system by which all parameter of Inlet & outlet which are mention in bid document should be measured. A provision of data transfer Should be available in SCADA, so that if required we can transfer to CPCB or SPCB.
13	ARTICLE 2. Scope of Work, Section 13.			29 Process Instrumentation, Control. and SCADA System	As bid Specification, our understanding as follows: (i). Bidder shall consider Single PLC and SCADA (01 No. EWS cum OWS) based Automation system for the entire process of the STP plant. Kindly confirm. (ii). PLC system shall be Non-Redundant Type i.e., Non-redundant Processor, Power Supply, Communication and I/O Modules. Kindly confirm. (iii). Please provide detail for third party interface with the system (if any).	Bidder have to consider single PLC and SCADA band automated system for the entire process of the STP as well as pumping stations. Redundant PLC shall be provide by bidder.

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14	ITB 3.3(f)(2)(ii)(b)			13	As per Specification, we understand that Bidder shall consider CCTV System for STP and all IPS Plant. Query: (i) We understand that IPS is not part of this contact, so we exclude CCTV scope for IPS from bidder's scope of supply. Kindly confirm. (ii) CCTV monitoring system shall be in control room. Monitor Size shall be 24" for CCTV monitoring system. Kindly confirm. (iii). Please confirm the requirement of CCTV data (STP) transfer to any other location outside of STP.	Bidder have to consider CCTV system for both STP and all Sumpwell. CCTV monitoring system shall be in control room. 32" Monitor Size have to provide for CCTV monitoring system. There should be also provision for data transfer from STP to other location.
15				General	Tender requirement for Access system, EPBAX system & Fire Alarm system is not defined, so we are excluding the same from scope.	File lighting system shall be provided as per provision of national building code.
16				General	Please confirm followings: 1. We understand that client will provide 11kV, 50 Hz Power supply up to proposed STP plant battery limit. 2. Distance between nearest substation to proposed plant.	Since this is DBOT project, agency will design the complete system and accordingly they will take power from state electricity board. This is in scope of bidder. BUIDCo will assist to contractor for taking supply from electricity board. Bidder have to find out nearest sub station by their own assessment and site visit.
17				General	Please confirm the followings • DG Set is Prime Duty or Standby Duty. • DG shall be sized for critical process load only. • Day & Bulk fuel (Diesel) storage capacity to be advised. kindly confirm the same.	In case of power failure DG will be used as per plant requirement. This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
18				General	Please confirm following for UPS 1. Type: Redundant / Non redundant 2. Battery Type: SMF Lead-Acid / VRLA / Ni Cd 3. Battery Bank: Single / Dual 4. Backup Time: 30 Min/60 Min.	Redundant type UPS with 60 minutes backup is required. This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
19				General	Since feeder type is not specified in tender, so Please Confirm that bidder can consider as follows. 1. DOL: up to 5.5 kW 2. S/D: From 7.5 kW to 55 kW 3. Soft Starter: Above 55 kW 4. VFD: As per process requirement	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
20				General	E & I Vendor List is not available in tender, please allow bidder to consider reputed make for the same.	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
21				General	Requirement of Solar system, fire alarm, CCTV is not defined in tender, So we exclude the same.	Bid condition and pre-bid reply shall be prevailed.
22				General	Since the detailed specifications for all electrical items are not defined in tender specification, so we will follow the relevant IS standard or as per good engineering practice. Kindly confirm the same.	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
23				General	Spare philosophy for motor feeders and outgoing power feeder are not defined. Kindly confirm or bidder to decide at their own.	This is DBOT project. Bidder shall make his own assessment based on relevant standard and codes and best engineering practices and have it approved by BUIDCo.
24	SPECIAL CONDITIONS OF CONTRACT			Clause 1.5- Governing Law	Place of Jurisdiction within India is not provided, please provide the same.	Place of jurisdiction will be Patna, Bihar.
25	GENERAL CONDITIONS OF CONTRACT			17.3.b. Operational Acceptance	That Employer being the Proponent of the project has the responsibility to obtain the Consent to Operate (CTO) under Environmental Law from the relevant authority thus please amend this clause accordingly.	Bid condition shall prevail. Regarding responsibility clearly mentioned in Bid document clause 17.3.b.
26	GENERAL CONDITIONS OF CONTRACT			LEGAL- Environment Impact Assessment	We understand that Environment Impact Assessment as required under the applicable Rules & Regulation has already been done for the Project and necessary approvals including approvals from Ministry of Forest and Pollution Control Board (PCB) as applicable have been taken by the Employer for this project. Please confirm.	Bid condition shall prevail.
27	GENERAL CONDITIONS OF CONTRACT			LEGAL- Consent to Establish	We understand that Consent To Establish (CTE) approval under Environmental Law from the relevant authority has already been taken by the Employer for this project. Please confirm.	This is in scope of bidder. BUIDCo will assist to contractor for taking CTE from pollution control board..