

## Pre-Bid Query & Reply

**Tender No. - BUIDCo/Yo-2236/21 – 42, Date - 03.11.2022**

**Project Name -** TO (I) DESIGN AND BUILD TWO NOS SEWAGE TREATMENT PLANT OF INSTALLED CAPACITY 2.5 MLD ON RIVER HARBORA AND 4.5 MLD ON BELWA-SATHI CANAL ALONGWITH ALL APPURTENANT STRUCTURES AND ALLIED WORKS CONTROLLED WITH SCADA (II) SURVEY, REVIEW THE DESIGNS, REDESIGN WHERE NECESSARY, AND BUILD 4 NOS SPSALONG WITH 6.12 KM INTERCEPTION DRAIN INCLUDING SCREENS AND MECHANICALLY OPERATED GATES FACILITATING SURFACE WATER RUNOFF INTO RIVER/CANAL (III) OPERATION & MAINTENANCE OF THE COMPLETE WORKS OF SEWAGE TREATMENT PLANT,SPS, INTERCEPTION & DIVERSION WORKS, AND EFFLUENT CHANNEL FOR A PERIOD OF 15 YEARS IN **NARKATIYAGANJ TOWN** , STATE OF BIHAR , INDIA.

S.No.	Ref. Bid Document		Subject/ As per tender	Bidder queries	Client Reply
	Doc. Name/ Section	Clause No.			
1	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). 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 transter Should be available in SCADA, so that if required we can transfer to CPCB or SPCB.
2	Section 13.		29 Process Instrumentation, Control. and SCADA System	A Supervisory Control and Data Acquisition (SCADA) system, networked to the PLC unit process controllers shall acquire and display process parameters, process flow, tank level, etc., monitor and issue remote control actions for maintaining process control. Query: (i). Bidder shall consider Single PLC and SCADA 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.
3	ITB 3.3(f)(2)(ii)(b)		15. CCTV surveillance for the plant is required at STP and all IPS.	Query: (i). Bidder shall consider CCTV cameras (indoor /outdoor type) at STP and IPS each location. Display Unit (32" LED Monitor) will be common and shall be placed at STP Control Room. CCTV data from each pumping station /IPS shall be integrate with STP. (ii). 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 by also provision for data transfer from STP to other location.
4	General			Tender requirement for Access system, EPBAX system & Fire Alarm system is not defined, so we are excluding the same from scope.	File lighting systme shall be provided as per provision of national building code.
5	General			Please confirm the followings for both STP plant (2.5 MLD and 4.5 MLD) 1. Scope to avail HT power supply including liaisoning from nearest substation to proposed STP plant. 2. HT power supply Voltage grade. 3. 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 assesment and site visit.
6	General			Please confirm the followings • DG Set is Prime Duty or Standby Duty. • DG shall be sized for critical process load only or on full load. • 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 owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.
7	General			Please confirm following for UPS 1. Type: Redundant / Non redundant 2. Battery Type: SMF Lead-Acid Battery Bank: Single / Dual Backup Time:30 Min/60 Min.	Redundant type UPS with 60 minutes backup is required. This is DBOT project. Bidder shall make his owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.
8	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 VFD: As per process requirement	This is DBOT project. Bidder shall make his owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.
9	General			Requirement of Solar system, fire alarm is not defined in tender, So we exclude the same.	Bid conditin and pre-bid reply shall be prevailed.
10	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 owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.
11	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 owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.

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12	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 owe assesment based on relavant standard and codes and best engineering practices and have it approved by BUIDCo.