

## Pre-bid Query Reply

**Name of Work:** Hajipur Sewerage Treatment Plant and Sewerage Network Project.

**NIT.No:** BUIDCo/Yo-871/2017 (Part-3)-61, Dated-22.08.2019

Item No	Section Reference	Page No.	Section or Article No.	Question / Query / Clarification / Comment	Reply
1.	General	-	-	<p>As per tender document, we understand that there are some existing STP structures based on ASP technology. Bidder request to furnish below details in order to plan design of proposed work.</p> <ul style="list-style-type: none"> <li>• Dimension of existing structures.</li> <li>• Layout of STP site with location of existing structure marked on it.</li> <li>• Hydraulic flow diagram with all levels of existing structure.</li> <li>• Process design calculation.</li> <li>• General arrangement drawings of existing structures.</li> <li>• Existing process flow diagram, PID.</li> <li>• Exact status/specification of existing mechanical equipment at site.</li> <li>• FGL considered for structures.</li> <li>• As Built drawings for existing STP &amp; Sewerage network</li> </ul>	All these details already attached with bid document.
2.	<p>Clause 1: ITB 1.1 (d)-Point b</p> <p>Clause 2: 1.1. Contract Documents</p>	<p>44 of 477</p> <p>106 of 477</p>	Reuse	<p>As per tender Clause 1: (b) Setting up the infrastructure required for reuse of the treated effluent and (c) arrangements needed for discharge of the balance unused treated effluent</p> <p>Clause 2: This Contract to (i) design and build sewage treatment plant of installed capacity 22Mld and all appurtenant structures including infrastructure for reuse of treated effluent and allied works based on activated sludge technology (for remaining work)</p> <p>Query 1: Please confirm, if reuse of treated sewage is required or not. Query 2: Please furnish the quantity and quality of the effluent required for the re-use purpose. Query 3: In the tender document it is mentioned that the effluent from the STP has to be reused. Bidder request to clarify if any additional treatment (other than ASP) is required for reuse purpose.</p>	<p>Query 1: The Bid conditions are self-explanatory regarding requirement of reuse.</p> <p>Query 2: The entire quantity of generated effluent can be reused. The quantity of the effluent required for reuse shall be same as per the standard prescribed the STP effluent</p> <p>Query 3: The Bid provision is self-explanatory</p>
3.	General	-	-	Please furnish high flood level (HFL) of disposal location @ STP.	All available data is attached with bid document. It is advised to Bidder to visit the site and make his own assessment.
4.	General	-	-	Please furnish distance of disposal of treated sewage from site boundary.	It is Almost 1 KM.

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5.	General	-	-	Please furnish drawings like site boundary & contour of proposed STP site and existing structures detailed GA.	Please see the reply of Sr.N.-1.
6.	13.1.11, a point 2	206 of 477	Treated sewage parameter	<p>As per Tender document: Treated sewage should meet the disposal standards prescribed by the MOEF / CPCB and in the contract which is pH 6.5-9, BOD<sub>5</sub> (mg/L) &lt; 20, TSS (mg/L) &lt;50, fecal coliform (MPN /100 ml) &lt;1000.</p> <p>Query1: As proposed technology is with ASP above mentioned discharge parameter can be met without additional treatment. Bidder requests to confirm values of treated sewage parameter as mentioned above.</p> <p>Query 2: Any potential changes in effluent parameter because of change in discharge norms of NGT/MOEF/CPCB will have impact in design and any changes in design will have cost implication and same has to borne by owner. Please confirm</p>	Please refer to Addendum 1 S. No-1
7.	13.1.11, a point 2	207 of 477	Influent parameter	<p>As per Tender doc: The indicative influent parameters like BOD<sub>5</sub>, COD, TSS are mentioned for design purpose.</p> <p>Query 1: We understand that nutrient removal (Nitrogen, Phosphorous) is not under scope of this contract. Please confirm</p> <p>Query 2: Bidder request to furnish influent parameter data (past 2 years) available from existing STP having same source of sewage generation.</p>	<p>Query 1: Please refer to reply to query at S. No .6</p> <p>Query 2: Available information has been provided .Bidder makes his own assessment.</p>
8.	General	-	-	Query: Please confirm whether boundary wall is to be provided along the periphery of proposed 22 MLD STP or across entire plot of 10.09-acre land.	Almost 90 % boundary wall is constructed across entire plot of land.
9.	<p>Clause 1: 13.1.2. Proposed treatment scheme, Point V</p> <p>Clause 2: 13.3. Sewage Treatment Plant Layout and operation sequence, Point d</p> <p>Clause 3: 13.3, K, Point ii &amp;iii.</p>	202 of 477/ 209 of 477/ 210 of 477	Sewage Treatment Plant Layout and operation sequence	<p>As per Tender doc: Clause 1: Provisions for power generation units (if power generation is found feasible), engine rooms with gas engines and accessories.</p> <p>Clause 2: The Operator shall have no right over the use of treated wastewater and sludge except for generation of power (if found feasible) from sludge for use in the STP.</p> <p>Clause 3: Sludge Handing and disposal System shall form an integral part of the treatment system. This should include stabilization of sludge before disposal and reuse for beneficial purposes including gas recovery and power generation to run the STP, agriculture manure, making stabilized clay bricks, etc.</p> <p>Query: As per tender document and above clause 1 and Clause 2 it is mentioned as power generation to be considered only if it is found feasible, however as per clause 3 it is mentioned that sludge handling system should include gas recovery and power generation to run the STP. Bidder understands that requirement of</p>	Bidders understanding is confirmed

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				power generation is to be assessed by bidder based on economic viability and power generation is not mandatory under this contract. Please confirm.	
10.	General	-	-	Query: Sludge treatment: -- Bidder understand that sludge generated in secondary treatment (ASP) will be thickened and dewatered before disposal at designated location provided by owner. Please confirm.	Yes. Bidder's understanding is confirmed.
11.	Clause 13.4	211 of 477	Designation of 22 MLD STP on Site Areas for Other Uses- Perimeter buffer zones	Query: As per mentioned clause perimeter buffer zones need to be considered in design. Please furnish the minimum width of buffer zones need to be provided.	BEP and layout plan is part of the Bid document. Any further required design shall have to be made as per relevant provisions of bid document applicable standards & CPHEEO manual.
12.	13.3, point f/ 4.2-point a	210 of 477/ 315 of 477	Sewage Treatment Plant Layout and operation sequence / Roadways, Pathways & Hard standings	As per Tender doc: Clause 13.3: 7 m carriage way is required. Clause 4.2: Internal roads shall be provided around the treatment plant to link in with the existing units and the approach road and permit access to the plant for necessary maintenance, delivery of consumables and personnel access. All roads shall be of asphalt macadam and minimum 3.75 meters wide.  Query: As per clause 13.3, 7 m carriage way is required and as per clause 4.2 minimum road width should be of 3.75 m. As per standard practice, carriage way of 3.75 m is provided in STP's. We understand that road width of 5 m will be sufficient, to bring all bidder at par. Please confirm.	Please refer to Addendum 1 S. No 2
13.	General	-	-	Query: We understand that MOC for equipment like Grit mechanism, Air Blower, clarifier mechanism, Thickener mechanism will be CI/MS with epoxy coating. Please confirm.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
14.	General	453 of 477	45.5	As stated in NIT section 45.5, "Care shall be taken to avoid the foundations of adjacent buildings or structure foundations, either existing or not within the scope of this Contract Suitable adjustments in depth, location and sizes may have to be made depending on site conditions. No extra claims for such adjustments shall be accepted by the Owner."  Please provide the Design calculation, Civil GA & RC drawings of the constructed structures in the STP for the estimation of actual quantities and to check for overlapping with proposed remaining structures.	The bid provisions are self-explanatory.
15.	General	-	-	Request you to provide clarity on the scope of work to be performed in the existing constructed structures of the STP.	The bidder is advised to make his assessment also based on site visits.
16.	General	-	Soil Report	Kindly request you to provide soil report for all the proposed sites in the scope of	Already attached with bid document.

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				tender.	
17.	NIT	313 of 477/ 451 of 477	4.1/45.5	NIT section 4.1 states that “Building plinth shall be minimum 450 mm above average finished ground level around building or high flood level whichever is more.” Whereas section 45.5 states “Plinth level of all structures/top of tanks shall be at least (1000) mm above high flood level.”  Please allow us to consider plinth level to be 450mm above GL.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo It is advised to Bidder to visit the site. Please refer to Addendum 1 S.No.3
18.	General	-	-	Kindly provide the High flood Level (HFL).	Please see the reply of Sr.N.-3.
19.	General	-	-	Kindly provide Layout, contour levels for STP and IPS location.	All available data is already attached with Bid document.
20.	NIT Section 3 Civil Works	303 of 477	Clause 1.3 Design loadings	We propose to consider “Weight of Sewage = 10.3 kN/cum” as the load for the same is missed to be furnished. Kindly confirm.	This is a DBOT contract. Bidder shall make his own assessment based on bid provisions, relevant standards and codes, and best engineering practices and have it approved by BUIDCo
21.	NIT Section 3 Civil Works	304 of 477	Clause 1.5	We propose to design the remaining sewage retaining structures as per limit state method with a limiting crack width of 0.2mm as per Cl. No.4.4 IS3370(part 2). Kindly confirm.	Bid condition shall prevail.
22.	NIT Section 3 Civil Works	304,305 of 477	Clause 1.5	NIT Section 3 clause 1.7 states that,  “Structures shall be designed for uplift in empty conditions as per water table indicated in the geotechnical report or high flood level, whichever is maximum. No reduction factor for the uplift force shall be considered. “ Whereas the following point in the same clause contradicts as below, “For design purpose, sub soil water level is to be considered as 2 meters below the average natural ground level. (Uplift pressure on the foundation shall be considered as per water table at site, in the rainy season. However, for design purpose, minimum water table shall be considered at 2 m below the average ground level “  Kindly allow us to consider Water table as per Geotechnical report.	<i>Please refer to Addendum 1 S.No.4</i>
23.	NIT Section 3 & 4 Civil Works	304, 322 of 477	Clause 1.4/ Clause 12.11	NIT Section 3 clause 1.7 states, “PVC water stops of suitable type and minimum 230 mm width, 6 mm thick shall be used for walls and base slabs.” Whereas Section 4 clause 12.11 states, “The PVC joints shall be of the rebated or keyed type and shall have a minimum width of 300 mm inclined feather or straight joints shall not be permitted.”	Bid condition are self-explanatory. Section 4 Clause 12.11 provides specification for construction joints. Please also refer to Addendum 1 S.No.5

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				Kindly confirm the specification to be followed.	
24.	General	-	Drawing	Kindly provide AutoCAD drawings for the STP layout.	Auto-cad drawings are not available. All available drawings are already attached with bid document.
25.	NIT Section 3 Civil Works/Article 13	210,315 of 477	4.2 Roadways	NIT Section 3 clause 4.2 states “All roads shall be of Activated Sludge Processhalt macadam and minimum 3.75 meters wide. “ Whereas Article 13 clause 13.3 “Access road of 7m carriageway” Kindly confirm the width to be followed.	Please refer to reply query at S.No.12
26.	Price schedule Part A			Please provide the specification for boundary wall.	It is advised to Bidder to visit the site and make his own assessment.
27.	NIT Section 3 Civil Works	306 of 477	Clause 1.7	We propose to use the following minimum thickness as general practice confirm. Base slab of Liquid retaining structures – 200mm Wall foundation (At the junction of Base slab & wall) of Liquid retaining structures = 300mm Footing at the face of column = 300mm Kindly confirm.	This is a DBOT contract. Bidder shall make his own assessment based on relevant bid provisions, standards and codes, and best engineering practices and have it approved by BUIDCo.
28.	NIT Section 3 Civil Works	307 of 477	Clause 1.7	Kindly allow us to consider the following cover to reinforcement for the members Foundation – 50mm (Bottom & Top) as per clause 26.4.2.2 IS 456: 2000 Beams – 30mm (Top / Bottom) as per Table 16A of IS 456:2000 as all the beams are continuous beams	Please refer to reply query at S.No.27
29.	NIT Section 3 Civil Works	307,308 of 477	Clause 1.7	Kindly allow us to consider the Wall – Main bar diameter as 8mm instead of 10mm Kindly allow us to consider bar spacing in multiples of 10mm Kindly allow us to consider minimum bar spacing of 100mm for foundation	Please refer to reply query at S.No.27
30.	NIT Section 3 Civil Works	-	-	Specification for rungs not mentioned in the tender We propose PVC encapsulated rungs for access tanks base slab from top of wall.	Please refer to reply query at S.No.27
31.	NIT Section 3 Civil Works	305 of 477	Clause 1.7	We propose 100mm thick M15 lean concrete for liquid retaining structures	Please refer to reply query at S.No.27
32.	Bid Data Sheet	44 of 477	ITB 1.1 (c)	Kindly provide the complete details of Existing Sewer Network laid by previous contractor with Layout, Ground level, Invert level, Sewer Network drawing, Hydraulic statement and other Drawings of Existing Sewer Network.	Please refer to reply query at S.No.1
33.	General	-	-	Kindly furnish the below details, <ul style="list-style-type: none"> <li>Length of Disposal line</li> </ul>	Please refer to reply query at S.No.1

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				<ul style="list-style-type: none"> <li>MOC of the treated effluent pipe from STP, Ground level and HFL at disposal line.</li> </ul>	
34.	Bill of quantities for sewerage network works	83 of 477	S. No 38	Please provide the Diameter of pipe used for Trenchless Network and Location drawing for sewer network constructed by Trenchless technology.	It is advised to Bidder to visit the site and make his own assessment.
35.	General	-	-	Kindly furnish the road width and topographical Survey details and site layout plan for IPS and STP	Please refer to reply query at S.No.1. It is advised to Bidder to visit the site and make his own assessment.
36.	General	-	-	Kindly provide the zone wise population and Sewage flow generation for Present, Intermediate and Ultimate year.	It is advised to Bidder to visit the site and make his own assessment.
37.	General	-	-	Please provide the Typical Drawing for House Service connection	Please refer to Addendum 1 S.No.6
38.	Bill of quantities for sewerage network works	81 of 477 & 424 of 477	S. No: 19a	uPVC pipes of diameter 110mm is mentioned in BOQ S. No: 19a, whereas in Technical specification clause no 32.1.1, it is mentioned as 110/160mm PVC Pipes. Kindly clarify.	Please refer to Addendum 1 S.No.7
39.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	72 of 477	S. No: 34	Kindly furnish the Ground level, Invert level, and Diameter of the incoming sewer for the all 4 IPS.	All available documents and drawings are attached with bid document. It is advised to Bidder to visit the site and make his own assessment.
40.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	72 of 477	S. No: 34	Please provide the following details for all 4 IPS 1. Present, Intermediate & Ultimate year population flow details 2. No of pumps (Working + Standby) 3. Discharge Elevation of Rising Main delivery point	This is a DBOT contract. It is advised to Bidder to visit the site and make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
41.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	72 of 477	S.No:34	Kindly provide the General Arrangement drawing and layout drawings for all 4 IPS.	This is a DBOT contract. All available documents and drawings are attached with bid document. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
42.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	72 of 477	S.No:34	Kindly provide the Alignment Plan & L section for all 4 Rising Main (for Pump Head Calculation)	This is a DBOT contract. All available documents and drawings are attached with bid document. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
43.	Bill of Quantity for Intermediate	72 of 477	S.No:34	We presume the given capacity of IPS is Ultimate Average flow. Kindly confirm.	Bid provisions are self-explanatory.

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	pumping station Works D Mechanical Works				
44.	Bill of quantities for sewerage network works	79 of 477	S.No :7	As per BOQ S.No:7, RCC pipes of same Diameter (300 mm – 800 mm) is falling under class NP3 & NP4. Kindly clarify the criteria and confirm the bifurcation detail.	The indicated class, size and lengths of pipe are of the left out work of the previous rescinded contract
45.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	73 of 477	S.No :37	We presume motorized sluice valves for 450 NB, 500 NB, 700 NB, 400 NB for IPS1, 2, 3, 4 respectively. Kindly confirm.	The type, size and quantities of sluice valves are of the left out work of the previous rescinded contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
46.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	73 of 477	S.No :51	In general practice, Minimum Width of the screen is usually designed for 0.75m for the ease of Maintenance. Kindly confirm.	The type, size and quantities of sluice screens are of the left out work of the previous rescinded contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
47.	Bill of Quantity for Intermediate pumping station Works D Mechanical Works	73 of 477	S.No :51	Please provide the following details for screens. Bar sizes, Spacing of screens, MOC of screens.	This is a DBOT contract. All available documents and drawings are attached with bid document. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
48.	Article 13	205 of 477	Design Services: Clause 13.1.5	Please confirm if there is an existing structure for Main Pumping Station (MPS) inside the STP campus including the units for Receiving chamber, Screen chamber and Wet Well. If existing structures are there, bidder requests to provide the following details: 1) General Arrangement Drawings of existing structures with dimensions and levels of each unit 2) Design calculations of each unit 3) Pipe sizing	Please refer to reply query at S.No.1
49.	Article 13	205 of 477	Design Services: Clause 13.1.5	Please confirm if the existing structure for MPS is designed as per the incoming sewer details provided in Clause 13.1.5 on Pg.204/477.	This is a DBOT contract. All available documents and drawings are attached with bid document. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo. It is advised that bidder may visit the site.
50.	Article 13	205 of	Design Services:	Bidder assumes that Main Pumping Station (MPS) inside STP campus has to be	Bid provision are self-explanatory

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		477	Clause 13.1.9	designed for the ultimate flow of 22 MLD. Kindly confirm.	
51.	Article 13	205 of 477	Design Services: Clause 13.1.9	Bidder assumes that the submersible sewage pumps inside Main Pumping Station have to be provided for flow of 22 MLD. Kindly confirm.	Bid provision are self-explanatory condition shall prevail.
52.	Article 13	205 of 477	Design Services: Clause 13.1.9	It is assumed that the wet well of Main Pumping station will be sized as per Clause 4.6.6 of CPHEEO. Please confirm.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
53.	Article 13	202 of 477	Design Services: Clause 13.1.2	Please provide the required provision for firefighting equipment as per State Government Department of Fire Services.	Fire-fighting system shall be provided as per provisions of National Building Code.
54.	Article 13	202 of 477	Design Services: Clause 13.1.2	Bidder assumes that the firefighting equipment be provided in STP is Dry Powder fire extinguisher. Kindly confirm.	Fire-fighting system shall be provided as per provisions of National Building Code.
55.	General	346 of 477	Treated Effluent disposal	Please provide the following details of the nala/river identified for final disposal of treated effluent: 1) Distance of nala/river from STP location 2) HFL of nala/river	This is a DBOT contract. All available documents and drawings are attached with bid document. Bidder shall make his own assessment based on surveys, relevant standards and codes, and best engineering practices and have it approved by BUIDCo. It is advised to bidder to visit the site.
56.	General	-	General/ Incoming power supply voltage level	We understand that the 11kV incoming power supply shall be provided up to the Site Premises (STP / IPS) from Electrical Utility Authorities. Please confirm the same.	BUIDCo will assist to contractor for taking 11kV incoming power supply provided up to the Site Premises (STP / IPS)
57.	Electrical System General and Particular Specifications	-	Bill of Quantity (Item No-45) / Rating of transformer	We understand that 1 No of 11/0.433 kV Transformer is required at each STP /ISPS location. The Ratings of the Transformers shall be as per actual requirement. Please confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
58.	Electrical System General and Particular Specifications	-	Bill of Quantity (Item No-57,58,59)/ Cable	We are considering Aluminum Bus bars for all HT & LT Panels and Aluminum Conductors for all HT & LT Cables. Please confirm.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
59.	Electrical System General and Particular Specifications	-	Bill of Quantity (Item No-48,49,50)/ Lighting Fixtures/Lamps	We are considering LED Luminaries for complete Lighting System. Please confirm.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
60.	General	-	-	Instrumentation specification is not mentioned in the Bid document; Hence, we assume the same will be based on contractor's design and recommendation. Kindly confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.

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61.	General	-	-	UPS specification for STP is not mentioned in the tender. We assume the same will be based on contractor's design and recommendation. Kindly confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
62.	General	-	-	PLC specification is not mentioned in the tender. We assume the same will be based on contractor's design and recommendation. Kindly confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
63.	General	-	-	We assume the main plant PLC shall be redundant whereas, vendor package PLC (if required) shall be standalone type. Kindly confirm the same.	Redundant PLC shall be provided
64.	Introduction/ Preparation of Bids	13 & 22 of 477	1& 3	Under the following section it is mentioned that the bidder is free to offer STP based on a technology of their choice, however in the other segments of the tender ASP technology is already mentioned. This contradicts the statement, please check and confirm.	Please refer to Addendum 1 S. No.11
65.	Bid datasheet	44 of 477	6	Under the following section it is mentioned that the 60% civil construction has been constructed based on ASP technology. Please provide the details for the same.	Please refer to reply query at S.No.1 It is advised that bidder may visit the site before submission of the bid.
66.	Design services	238 of 477	13	Referring the tender document under Operation sequence Point no. j (page no.- 238), it is mentioned that there is requirement for full automation of plant, kindly elaborate this clause in order to understand what all systems are needs to be automated.	Bid conditions are self- explanatory.
67.	General Query	-	-	Kindly confirm whether the integration of STP data is required at any other location or not.	Bid conditions are self -explanatory.
68.	General Query	-	-	List of hardware's in the Main control room/SPS is not mentioned in the tender document. We assume the same will be based on contractor's design and recommendation. Kindly confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
69.	General Query	-	-	Communication between SPS and Main control room (at STP) is not mentioned in the tender document. We assume it is wireless communication. Kindly confirm the same.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
70.	General Query	-	-	Approved vendor list for Field instruments/Analyzers/Automation components/cables/ICA Panel manufacturers/JB's is not mentioned in the tender document, we assume it will be based on contractor's recommendation.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
71.	General Query	-	-	Typical Drive/Actuator's I/O's is not mentioned in the tender document. We assume it will be based on contractor's design and recommendation.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
72.	General Query	-	-	Kindly confirm whether CCTV surveillance for the plant is required or not.	Please refer to Addendum 1 S. No.12

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73.	General Query	-	-	Please specify the list of instrumentation documents to be submitted along with the bid.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
74.	General Query	-	-	PLC communication protocol is not mentioned in the tender document, we assume it shall be based on the contractor's recommendation.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
75.	Schedule-8	289/477 of 477	Price adjustment for O&M	As per the referred clause, it is mentioned that "Price adjustment is not allowed for manpower, chemicals and material". Considering the volatility in market, predicting the price over a period of 180 months is practically not viable. Hence, we request you to consider price variation for all labour, chemicals, materials and other commodities included in this project. Also provide percentage of components based on formulae governed by relevant RBI indices, kindly consider and confirm.	Bid condition shall prevail.
76.	General	-	Power Charges during O&M	We understand that electricity charges during O&M should be borne by contractor. Since there will be financing charge considered by the contractor for the same, leading to increased O&M value, we request you to amend the requirement to free electricity supply by client, please confirm.	Bid condition shall prevail.
77.	General	-	Statutory Variation during O&M period	Since it is a long-term contract, we request you to consider statutory variation clause for taxes during O&M period, please confirm	Bid condition shall prevail.
78.	General	-	Power cut	Kindly provide us average duration of power cut past 5 year in order to assess diesel consumption during O&M period. Please confirm.	This is a DBOT contract. Bidder may make his own assessment.
79.	General	-	Asset replacement	Since it is a long-term O&M contract, we request you to consider provision of Asset replacement fund to be utilized to replace equipment that has completed productive life or is beyond repair or obsolete, please confirm	Bid condition shall prevail.
80.	General	-	Failure to Meet Performance Requirements	Bidder Presume that, Poor quality of raw sewage, beyond design limit (as per the design Criteria) will affect the process units and which will leads to increase the resettle days of process units. During such instances No Penalty on quality / quantity / others shall be imposed to the contractor till the rectification of all process units. Kindly confirm	Bid condition shall prevail.
81.	General	-	Defect liability period	Kindly confirm if DLP is included in the 15 years O&M period.	DLP will start after completion of entire scope of work of design build service part of the project.
82.	BOQ for IPS & BOQ for SNW	66, 78 & 346 of 477	A1, A1 & 11.4	Considering the inherent risks of using Wooden ballies as shoring viz. labour intensive, skilled manpower, engineering control, climatic hazards, physical hazard, environmental degradation etc. it is requested to change this to MS/FRP shoring which are more reliable and safe. Kindly consider and update in BOQ.	Bid condition shall prevail.
83.	BOQ for SNW	79 of	A1: 5 & 6	Open and close Timber shoring system is not reliable and safe for shoring	Bid condition shall prevail.

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		477		application. In view of this, we request you to change this to MS/FRP shoring. Kindly consider and update in BOQ.	
84.	SNW	380 of 477	Section-2-xii	As per the referred clause of tender document "Interlinking the existing sewer lines with proposed lines and vice versa" shall be done under this project. This job is not reflected in the BOQ. Kindly provide the same. Further, we request you to provide tentative number of connections with diameter and pipeline depth details for this work.	The bidder shall have to make his own assessment as to the number of connections.
85.	BOQ for SNW	81 of 477	D-20	Please provide diameter and lengthwise breakup for NH and railway crossings.	This is a DBOT contract. Bidder shall make his own assessment. Based on his own surveys and site visit.
86.	Qualification Criteria	71 of 477		As per the Tender Document It has designed, developed, built, tested and commissioned Sewerage Network of 111 KM length of the total scope of sewerage network collectively from maximum 3 projects during the last 7 years preceding the date of submission of Bid; of which 600 mtr should be above the pipe diameter (1000mm)  We request you to change as below It has designed, developed, built, tested and commissioned Sewerage Network of 111 KM length of the total scope of sewerage network collectively from maximum 3 projects during the last 7 years preceding the date of submission of Bid; of which 600 mtr should be above the pipe diameter ( <del>1000mm</del> 800mm & above)	Bid condition shall prevail.
87.	Qualification Criteria	71 of 477		As per the tender document it is mentioned that "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 date of submission of Bid"  The present STP to be constructed in the tender has already been decided for the technology & 60% of the scope was built. In this case, no bidder can propose technology but to complete the remaining works. In this scenario, we presume that this clause will not relevant for PQ. Please confirm.	Bid condition shall prevail.
88.	Annexure A	71 of 477	Part h 1.5 (b)	It is stated that "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 264.23 million as on the date of submission of bid" We presume that it is required as on the date of issue of the certificate from the bank. However it is not feasible to get the certificate from the bank on the date of bid submission. Kindly confirm.	Bid condition shall prevail.

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89.	Annexure A	75 of 477	Part i Information form 2, 3a & 3b	As per the bidding form bidder has to provide population served details in the format. It is not possible to provide the population served details in the experience certificate. Please accept.	Bid condition shall prevail.
90.	General	-	-	Format of Power of Attorney for single bidder is not available in the tender. Kindly provide the Power of Attorney format for single bidder.	Please refer to Addendum1 S.No.13
91.	Annexure A Part i	76, 81 of 477	Information Form 2a & 4	It is mentioned that, the annual year should be calendar years. Since all the financial reports are being closed by Financial years we presume that the financial year shall be considered as annual year. Kindly confirm.	Bid condition shall prevail.
92.	Annexure A Part i	76 of 477	Information Form 2a	It is mentioned that, "Experience in Designing, building, operating managing and maintaining STPs and Sewerage Networks" & in the table it is stated that "Annual financial data (in the area of infrastructure development and engineering construction)". We presume that the financial data to be provided is for area of infrastructure development and engineering construction.	Bid provisions are self-explanatory.
93.	Annexure A	65 of 477	Part e	It is observed that staff member sign also required in the CV format which is not possible to provide each member sign in their CV. Kindly accept the sign of authorized representative of the firm.	Bid condition shall prevail.
94.	General	-	Land acquisition	Kindly confirm the status of land acquisition of all SPS.	It is mentioned in BID Data Sheet of Bid document.
95.	ITB	6 of 477		As per the clause it is mentioned as the O&M period for the entire work is 15 years. Presently in most of the similar nature of jobs across the country are executing the O&M period of 5 to 10 years, we request you to please consider the O&M period as maximum 10 years. Please confirm.	Bid condition shall prevail.
96.	Damages for delay in handing over the site			We understand that the ROW is readily available to start the work  We request the Employer to provide suitable monetary compensation in case of delay in handing over of Right of Way, Approvals and clearances and Shifting of Utilities by the Employer, in addition to Time extension, as any delay in terms of time will have direct impact on cost overrun	Bid conditions shall prevail. Compensation for delay in handing over the site shall be as per the provisions of General Conditions of the Contract read with Schedule 1 Special Conditions of the Contract and other provisions in the Bid Document.
97.	General			The authority is requested to provide: The land for site set up such as establishments of plants, storage yard, offices, labs etc.	Sufficient land is available at STP site.
98.	SCC, Schedule I	189 of 477	Article 5 (20)	It is mentioned that "The Mobilization Advance paid to the Operator by the Owner shall be recovered commencing from the date on which the payment to the Operator has reached 20% of the value of Design, Build and Commissioning Services and shall be recovered at the rate of 15% from each bill submitted by the Operator for the payment", whereas it is stated in GCC (Pg. 146) that "Owner shall be recovered commencing from the date on which the payment to the	Bidder's presumption is correct.

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				Operator has reached 25% of the part A and Part D price”. We presume that Mobilization advance recovery shall commence from the date on which the payment to the Operator has reached 20% of the value of Design, Build and Commissioning Services and shall be recovered at the rate of 15% from each bill submitted by the Operator for the payment. Kindly confirm	
99.	BOQ – Sewerage Network Works		Item No.3	BOQ States that “Refilling trenches by local sand in layers 200 mm thick compacting each layer to achieve maximum dry density 95%”  We presume that refilling the trenches can be done by excavated earth.	Refilling with excavated good earth/local sand will be done as per direction of Engineer-in-charge.
100.	Road Restoration			Kindly provide the minimum crust thickness along with different layers for the restoration works  Also provide the drawing for the same	The contractor shall prepare drawing as per actual site conditions and have the same approved by BUIDCo
101.	Technical Specifications Schedule 10	375 of 477	Section-14	Tender clause states that “The RCC pipes shall be provided with special coatings wherever there is possibility of excess generation of hydrogen sulphide gas during transportation of sewage through sewers. The location, length of coatings shall be as given in construction drawings or as approved by the Engineer  The work involves, Supply and application of Polymer based protective Elastomeric coating / Lining with zero V.O.C. for complete inside surface of RCC sewers, with minimum dry film thickness of 1mm, Acid resistant, Abrasive resistant, Adhesive to concrete surface, Durable and pinhole / break free, with smooth surface after application, complete as per the Clauses in this Section, including all labour, HOM of machinery, with all lead lifts, taxes etc. complete” It is observed that, there is no such coating mentioned in the BOQ item description, hence we presume that special coating for RCC pipe is not required Please confirm	Please refer to Addendum 1 S.No.14
102.	General			We presume that zone wise commissioning is accepted and DLP will start concurrently after commissioning	DLP will start after completion of the entire scope of work of Design Build Services part of the project
103.	Design-Build Services Schedule 2	200 of 477	Article -12, 12.1 (d)	Tender clause states that “Refurbishment or replacement of existing sewerage network in compliance to the conditions as set out in the DBSS” We understand that any scope of works for refurbishment or replacement involved in the existing sewer network will be paid extra at actuals	Bidder's shall make his own assessment based on site visit and quote the bid accordingly. No additional amount shall be paid.
104.	Process Guarantee for STP works			Since the design of the STP works are carried out by other contractor, the bidder is not responsible for the process guarantee	Bidder may visit the site and assess the construction done by the earlier contractor, obtain relevant information, make his own evaluation to provide the performance guarantees. Approved BEP of the previous contract is already attached.
105.	Pre-Bid Queries			Please allow us to submit the pre-bid queries till 10 <sup>th</sup> Sep 2018	Bid condition shall prevail.

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106.	Pending STP works			We understand that any extra work like grouting and finishing works, boundary wall required to complete the pending works will be paid extra Please confirm	Bidder's shall make his own assessment based on site visit and quote the bid accordingly. No additional amount shall be paid.
107.	Outfall Location			Kindly mention the outfall location	It is mention in Bid Data sheet Bid Document
108.	Outfall Location			Near the outfall location we found Railway line & Poles are existing. We understand that getting approvals / clearance from the department is not in our scope and cost incurred will be reimbursable at actuals Kindly Confirm.	Getting approvals/clearance are in the contractor's scope. BUIDCo will assist contractor in the process of getting NOC.
109.	General			In bidding stage, it is difficult to carry out Conditional survey for the completed works and pending works. Hence we request to reimburse the cost incur to repair the completed works at actuals	Bidder's shall make his own assessment based on site visit and quote the bid accordingly. No additional amount shall be paid.
110.	Completed Sewer Network			We understand that commissioning of the completed sewer works is not in our scope	Commissioning of whole system is in contractor's scope.
111.	General			We understand that High tension line is crossing our boundary. Shifting of the HT line will be in Employer scope	Shifting of High tension line is in contractor's scope. BUIDCo will assist in the process of getting NOC
112.	13.3. k (iv)	257 of 477	Schedule 2, Article 13	Kindly provide the distance of location from STP for disposal of sludge.	Already mentioned in Bid data sheet of Bid document.
113.	2.1.2.mm	292 of 477	Schedule 3, Article 2	As per the clause, the costing shall be excluding power & chemicals. Whereas in the scope of the job, it is mentioned that O&M cost shall be inclusive of consumables and energy. Kindly confirm if the cost of electricity/ power/ energy and the chemicals consumed to be added along with the O&M cost.	Bid conditions are self –explanatory.
114.	5	339 of 477	Schedule 8	Considering the long term O&M period and the increase in manpower wages half yearly, kindly include the escalation clause for manpower charges during O&M period.	Bid conditions shall prevail.
115.	BOQ – Sewerage Network Works	-	B (7a)	In BOQ S. no. B 7a, it is mentioned that “The rate shall include all cost of materials and labour for pipes, jointing with manhole, aggregate packing, dewatering, cleaning the inside surfaces of pipe after laying, bonning rods, sight rails, levelling instruments etc. as required for the above mentioned works”. Kindly clarify whether bedding beneath the pipe laying is included in this item.	BOQ item is self -explanatory.
116.	BOQ – Sewerage Network Works	-	B (7a)	In BOQ S. no. B 7a, it is mentioned that hydraulic testing shall be paid separately. But no such separate item available in BOQ. Kindly clarify.	<i>Please refer to Addendum 1 S.No.15</i>
117.	BOQ – Sewerage Network Works	-	Bedding	It seems bedding for sewerage network is comparatively less with respect to the pipe laying quantity. Kindly confirm.	Bid condition shall prevail.
118.	BOQ – Sewerage Network Works	-	C-11,13,15 & 17	As per the BOQ description, kindly provide the Drawings for Manhole RCC Manholes	Already attached with Bid Document (Annexure)

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119.	Schedule 7	285 of 477	Article 1 (1)	As per the article, it is mentioned that the liquidated damages for failure in STP operations is 30,000 per day of occurrence, over and above the costs and compensation that might be required by the Owner to pay to the affected people and parties in the effluent discharge area. Request you to please mention the maximum limit for the same. We presume that the maximum limit for the overall liquidated damages (Delay and Performance) is 10%.	Bid provisions are self –explanatory.
120.	Clause 5.5.1 (2) (a)	188 of 477	Special conditions of contract	Clause mentioned that the performance security is 9% of the total contract price and that this PS works for the design-build period plus the first 3 years of O&M period. We presume that during construction period the Performance security shall be applicable on design build price excluding O&M price. Request you to please clarify about the Performance security value for O&M period.	Bid condition are self- explanatory.
121.	Environmental Clearance	-	-	We presume that the client has already received all the environmental clearances from the Ministry of Environment & Forest. Please Confirm.	Please refer to reply query at S.No.108.
122.	Schedule 6	280 of 477	Stage Payment	Since sewer network laying & Construction of pumping station is item rate basis, the given stage payment breakup is applicable for only Lumpsum item. Hence sewerage network & pumping station works shall be paid against each item. Kindly confirm	Bid condition shall prevail.
123.	Schedule 6	280 of 477	Stage Payment	Tender clause stated that, Design & Drawing – 2% Dewatering where required, ... Supply, laying & jointing of pipes – 60% Manholes – 10% Interconnecting of newly laid sewer ... after reinstatement of road – 3% Back filling, disposal of surplus earth and Temporary reinstatement of roads – 5% Temporary shifting and restoration ... other utilities – 5% Sectional Testing – 5% Final Testing & Commissioning sewer – 10% As per the clause, in present job sites 28% of payment being withheld for pipe laying works. This affects the cashflow& payment to the sub-contractors which is directly affecting the progress of the project. Hence we request you to delete the clause for the benefit of the project.	Bid condition shall prevail.
124.	General	-	-	We request you to provide suitable time extension, in case of delay in obtaining permission/License/Clearance from concerned authorities, as this is beyond the control of contractor	Bid condition shall prevail.
125.	SCC	187 of 477	-	It is mentioned that “In the event that the Owner fails to make any payment by its respective due date or within the period of 60 days from the date of submission of monthly statement of claim”. Bidder requests you to consider Interim payment within 30 days of Bill	Bid condition shall prevail.

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				submission, for improving cash flow and smooth progress of project	
126.	General	-	Change in Scope of Work	Bidder understands that any change in scope not attributable to contractor shall be suitably compensated for both cost and time. Kindly Confirm	Bidder's understanding is not correct.
127.	General	-	Power & Water Supply	Bidder understands that Power & water supply is in Contractor's scope and reasonable support shall be provided by employer to get utility connections from respective authorities.	Yes bidder's understanding is correct.
128.	SCC	185 of 477	Schedule – 1 Liquidated Damages	As per the clause we understand that the Contractor is liable for a penalty payable to the Employer which is up to 0.05% of the Value of the Design Build Services stipulated in the signed contract for each day of delay beyond the Completion Time. Maximum limit of 10% of the Design-Build price of the Project.  We request you to modify the clause as: The Contractor is liable for a penalty payable to the Employer which is upto 0.05% of unfinished/un commenced work value for delay of every day. Maximum limit of 5% of the Design-Build price of the Project.	Bid condition shall prevail.
129.	ITB	32 of 477	3.11, b (4)	It is mentioned that "An item not listed in the priced Bill of Quantities shall be assumed to be not included in the Bid, and provided that the Bid is determined substantially responsive notwithstanding this omission". Since this a item rate contract for sewerage network, we presume that after the completion of design/redesign work, any increase in quantity or any addition of new item will be paid at actuals. Hence request you to exclude the above mentioned clause.	This clause is in regards to the Bid price evaluation and is self-explanatory
130.	SCC	185 of 477	Article 1, 12	W request to delete the intermediate milestone clause.	Bid condition shall prevail.
131.	Schedule 6	275 of 477 280 of 477	Stage Payment	It is mentioned that "stage payment of testing & commissioning for Network & STP is 15%". The employer is already collecting performance security @ 10% of CV towards performance of the contract. In addition to above, withholding 15% towards sectional testing/ final testing & commissioning will affect the contractor's cash-flow & working capital heavily, which will in turn affect the smooth progress of works. Therefore, we request you to reduce the percentage withheld for Hydro-testing / Commissioning from 15% to 5% to maintain a better cash flow and faster progress throughout the execution of project.	Bid condition shall prevail.
132.	Schedule 6	282 & 283 of 477	Stage Payment	It is mentioned that "stage payment for testing of road after two years maintenance" for Road reinstatement is 10%. The employer is already collecting performance security @ 10% of CV towards performance of the contract. In addition to above, withholding 15% towards sectional testing/ final testing & commissioning will affect the contractor's cash-flow & working capital heavily, which will in turn affect the smooth progress of	Bid condition shall prevail.

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				works. Therefore, we request you to remove the percentage withheld for Road reinstatement to maintain a better cash flow and faster progress throughout the execution of project.	
133.	General	-	Design & Build	We presume that Design & Build price mentioned in the tender document refers the construction of STP, Pumping station & Sewerage network.	Bid provisions are self -explanatory.
134.	Project duration	6 of 477	ITB	The job involves construction of STP, 4 nos of Pumping Station, Sewerage network & retrofitting, redeveloping of existing sewerage network in busy and congested area which need proper phase planning, traffic management and also involves dismantling of existing structure. Also please note that design/redesign is in the scope of the bidder which will take minimum 3-5 months. Considering the complexity and volume of job, we request you consider the project duration as 36 Months.	Bid condition shall prevail.
135.	Technical Specification	396 of 477	Section no. 14 / 32.1	In house service connection, for connecting the pipes directly to the sewers (i.e. online connection) GSW pipes and specials shall be used. We presume that House connection connected to the HSC and further connected to sewer manhole. Kindly clarify.	Bid provisions are self -explanatory.
136.	Technical Specification	397 of 477	Section no. 14 / 32.2	Tender clause states that “Any damage to water supply utility connections which may occur during execution of House service connections, even after taking all necessary precautions by the Operator shall be paid as per rates quoted for the specified item indicated in Bill of Quantities. The damaged water supply house connections shall be restored with MDPE pipes including Encasing the MDPE Pipe with 40mm dia., MDPE Pipe at sewer crossings etc, The cost includes encasing the MDPE Pipe with 40mm dia. MDPE Pipe with all works complete as directed by the Design Build Operations Engineer for items under heading - Miscellaneous works in bill of quantities”. But no such “Miscellaneous works” item available in BOQ. Kindly clarify.	Please refer to addendum 1 S.No.17
137.	Utility Shifting	-	-	Since there is no item in the BOQ for Shifting or dismantling of existing electricity/telephone poles, Sewer/Water lines, HT/LT Cable, OFC Cable, LPG/CNG lines in the ROW area We presume that the above said works are not in the scope of contractor under this package. Please confirm	Item is already included in BOQ. Bidder's shall make his own assessment based on site visit and quote the bid accordingly. It is in scope of bidder.
138.	Technical Specification	381 of 477	Section No. 14 / 28	In BOQ details of DI K7 have not been provided, whereas in Section 14, technical specification have been provided for the same. Please confirm.	Please refer to addendum 1 S.No.18
139.	Technical Specification	393 of 477	Section No. 14 / 31.3	In BOQ details of cast in situ RCC Manhole have not been provided, whereas in Section 14, technical specification have been provided for the same. Please confirm.	Bid condition shall prevail.
140.	Geo technical	-	-	Kindly furnish Geo technical investigation report with soil bore log details, SBC and ground water table details for STP and pumping station locations.	Already attached with bid document.
141.	SCC	374 of 477	Article 1 – 1.1	It is stated that “Mobilization advance equal to 10 % of the Design-Build Price as stipulated in the contract shall be paid to the Operator within 7 days of effective	Bidder’s presumption is not correct.Bid provisions are self- explanatory

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				date of contract against Bank Guarantee for Advance Payment for the same amount subject to the provisions of this Contract”. We presume that 10% of interest free mobilization advance is payable on the total contract value (Excluding O&M). Please confirm.	
142.	ITB BOQ	30 of 477 39 of 477 79 of 477 Etc.		It is stated that “design, development, construction, testing and commissioning of the STP etc.” Since this is an EPC project, we presume that development is not part of scope work. Accordingly the tender documents shall be modified at relevant pages to exclude development.	Bid condition shall prevail.
143.	General	-	-	Additional time will be required in order to compile technically comprehensive and commercially competent bid. Hence, we request for extension of the bid submission date by at least 3 weeks from the receipt of pre bid replies.	Bid condition shall prevail.
144.	Reinforcement	320 of 477	Section 4 12.4	As per the tender clause, We presume that CRS Fe500 grade reinforcement conforming to IS 13620 shall be used.	Bid conditions are self -explanatory
145.	Price Schedule	59 of 477	Annexure A - Part b	It is mentioned that “The Bidder shall provide separate table giving details of taxes, duties, levies and other applicable taxes considered by him and included in the prices offered under different Parts of the Price Schedules. GST shall not be included in the prices and the same shall be paid separately by the Owner if applicable against proof of applicability and payment”. The subject job is leviable to GST @ 12% as on date and the same shall be reimbursed as applicable at the time execution of the project. However it is understood that the price to be quoted excluding of GST and will be reimbursed as applicable during execution.	Bid condition shall prevail.
146.	Price Schedule	59 of 477	Annexure A - Part b	It is mentioned that “The Bidder shall provide separate table giving details of taxes, duties, levies and other applicable taxes considered by him and included in the prices offered under different Parts of the Price Schedules. GST shall not be included in the prices and the same shall be paid separately by the Owner if applicable against proof of applicability and payment”. The subject job is leviable to GST @ 12% as on date and the same shall be reimbursed as applicable at the time execution of the project. However it is understood that the price to be quoted excluding of GST and will be reimbursed as applicable during execution. Also we presume that there is no requirement for separate details for taxes, duties, levies and other applicable taxes.	Bid condition shall prevail.
147.	GCC	146 of 477	5.6	It is mentioned that service tax and exemptions. Effective from 01.07.2017, GST was introduced and all the existing taxes & duties along with exemptions were subsumed. Hence service tax and exemptions are not available and the clause shall be amended accordingly.	Bid condition shall prevail.
148.	ITB	32 of	Clause D	It is mentioned about exemption under GST / Excise / Customs duty. It is to be	Bid condition shall prevail.

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		477		noted that exemption is not available for the subject project and excise duty is subsumed with the introduction of GST. Hence the said clause shall be amended accordingly.	
149.	Annexure A	59 of 477	Part b	It is understood that bid price shall have to be exclusive of Goods & Service Tax, which shall be reimbursed by owner against documentary proof. Kindly confirm our understanding.	Bid condition shall prevail.
150.		5/550 2&3		<p>2. The bidder or his nominated sub-contractor has successfully commissioned at least one Sewage Treatment Plant based on Activated Sludge Process/any other aerobic technology for the lowest STP capacity mentioned in clause-1 above, operating successfully for a period of 1 year during the last 7 years preceding the date of submission of Bid.</p> <p>3. The Bidder has the experience in operating and maintaining successfully at least 1 STP of 18 MLD or 2 STP of 13 MLD or 3 STP of 9 MLD STP during 1 year over the last 7 years preceding the date of submission of Bid.</p> <p>As per point no 2: Either the bidder or his nominated Sub contractor should have successfully commissioned at least one Sewage Treatment Plant, therefore it must apply in Point 3 also.</p> <p>If a Bidder claims the experience of STP through his nominated sub contractor then the experience of O&amp;M must also be claimed through the Nominated Sub Contractor.</p>	Bid condition shall prevail.
151.		6/550 5&7		<p>5. It has designed, developed, built, tested and commissioned Sewerage Network of 111 km length of the total scope of sewerage network collectively from maximum 3 projects during the last 7 years preceding the date of submission of Bid; of which 600 mtr should be above the pipe diameter (1000mm)</p> <p>7. The bidder or his nominated sub-contractor has operated and maintained Sewerage Network of 111 km length of the total scope of sewerage network collectively from maximum 3 projects during 1 year over the last 7 years preceding the date of submission of Bid.</p> <p>If the tender condition : 7 allows a Bidder to claim the O&amp;M experience of Sewerage Network of 111 km through a Nominated sub Contractor then the same condition must apply in condition no 5 also otherwise condition no becomes irrelevant.</p> <p>If you allow O&amp;M experience through Nominated sub contractor you must allow design, development, built experience through nominated sub contractor.</p>	Bid condition shall prevail.
152.		6/550 9		<p>9. The bidder or his nominated sub-contractor has designed, built and commissioned sewerage network using trenchless technology for a minimum of 1.25 km of the proposed length of the network to be laid using trenchless technology, during the last 7 years preceding the date of submission of Bid.</p> <p>As you have allowed in clause no. 5. It has designed, developed, built, tested and commissioned sewerage network of 111 km length of the total scope of sewerage network collectively from maximum 3 projects during the last 7 years preceding the date of submission of bid; of which 600 mtr should be above the pipe</p>	Bid condition shall prevail.

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				diameter (1000mm) so we understand that 1.25 km of sewerage network using trenchless technology is also collectively from maximum 3 projects.	
153.		79/500 7		<p>Providing and laying of sewer lines with bedding works</p> <p>Providing at the site, lowering and laying in trenches, aligning and jointing of RCC pipes NP2, NP3 &amp; NP4 class (with s/s ends) as per IS 458-2003 (amended upto date) all depth with Rubber gaskets (EPDM/SBR) for sewer lines as per IS : 5382 (including cost of rubber gaskets, lubricants) as per drawing, sectional testing of the sewer pipe line (including cost of conveyance of water of site) etc. complete as per specification and or as directed by Engineer.</p> <p>There should be bare minimum qualification for the RCC pipe manufacturers. The manufacturer must have the relevant IS certification not less than 7 year old and must have supplied a minimum of 1000 km of RCC pipe in Government sewerage projects of which 1000mm dia should be equal to or more than 100 km.</p>	Bid condition shall prevail.
154.		79/550 7 a		<p>Supplying and laying of DWC class SN 8 pipes, bailing out/dewatering (by pumps or otherwise water in trenches, lowering the same into the trench, aligning and jointing the pipes to prescribed gradient, depth and alignment: fixing making connection to new manholes and checking the as laid pipe with joints etc, as per the drawing, specification and direction of the Engineer. (The rate shall include all cost of materials and labour for pipes, jointing with manhole, aggregate packing, dewatering, cleaning the inside surfaces of pipe after laying, boning rods, sight rails, leveling instruments etc. as required for the above mentioned works). (Hydraulic testing shall be paid separately)</p> <p>The DWC pipe manufacturer must have a valid IS 16098 certification not less than 2 year old and must have supplied a minimum of 1000 km of HDPE DWC pipe of which 200 mm dia should not be less than 200 km.</p>	Bid condition shall prevail.
155.				<p>The bidder shall provide evidence that is has designed developed built tested and commissioned atleast 1 STP of 18 MLD or 2 STP of 13 MLD or 3 STP of 9 MLD based on Activated sludge process/any other aerobic technology during last 7 years preceding the date of submission of bid modification required.</p> <p>The bidder shall provide evidence that is has designed developed built tested and commissioned atleast 1 STP of 18 MLD or 2 STP of 13 MLD or 3 STP of 9 MLD based on activated sludge process/any other technology during last 7 years preceding the date f submission of bid.</p> <p>Please consider our request and do the needful.</p>	Bid condition shall prevail.
156.	3.6 Technical Section – Part IV - Joint Venture Documents and Requirements Sub Clause (b)	28	Section 3 Preparation of Bids	Kindly reconfirm our understanding that in case of Joint Venture submitting the bid, “Letter of Intent” ( <i>as per format provided under Annexure A - Part K to execute a Joint Venture Agreement in the event of a successful bid</i> ) and “Copy of proposed Draft of Joint Venture Agreement” are required to be submitted with the Bidder’s submittals.	Bidder’s understanding is confirmed. Bid conditions are self -explanatory
157.	4.1 Sealing and Marking of Bids	35	Section 4 – Submission of	Kindly re-confirm our understanding that bidder needs to submit hard copy of the original Bid Security, Power of Attorney, the proof of payment of price of	Bidder’s understanding is confirmed

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			Bids	Bidding Document and processing fee to the Bihar Urban Infrastructure Development Corporation Limited[Executing Agency] in a sealed envelope only.	
158.	INFORMATION FORM (2A) Ref. Annexure A Part h - Section 1.5 Financial Capability Information # Note No. 7	105	INFORMATION FORM	We request the Concerned Authority to kindly accept the Certificate from Registered Chartered Accountant specifying the Net Worth and Net Cash Accruals of the bidder in place of Auditor's Certificate.  Kindly confirm.	Bid condition shall prevail.
159.	Financial Capabilities	71	Clause 1.5 (c )	We understand that bidders who have latest audited Balance sheet of FY 2018-2019 can include the same for submission of last five year balance sheet. Kindly confirm. Kindly confirm.	Bid condition shall prevail.
160.	Retention			Our understanding is that there would not be any deductions from RA bills towards retention money. Kindly confirm.	Bid condition are self-explanatory
161.	Clause 5.5.1 (2) (a)	188	The Operator shall provide a Performance Security of 9% & ESHS Performance Security of 1% of the total Contract Price	We request the department to accept the performance security of only construction phase before the start of construction and separate performance security for O&M phase before the start of Operation & Maintenance which shall be valid for 3yrs and renewed accordingly. Kindly consider.	Bid condition shall prevail.
162.	Provisional Sum		General	Kindly confirm the amount of provisional sum dedicated for this project.	Bid condition shall prevail.
163.	Clause 5.2 – Terms of Payment	144	Payment Realization	Kindly confirm the time required for the realization of running bills.	Please refer to Clause 5.2 of SCC page 187.
164.	Schedule 7 LIQUIDATED DAMAGES – OPERATIONS	285	Article 1	We request the department to kindly confirm the Max. amount of liquidated damages on the contractor during Operation & Maintenance period.	Bid condition shall prevail.
165.	GST		General	We understand that price to be quoted in the price schedule shall be excluding GST. Kindly confirm.	Bid condition shall prevail.
166.	Functional Guarantees	167	Clause 9.12	Kindly confirm the functional guarantees to be consider for this project.	Bid condition shall prevail.
167.	Drawings			We request department to provide the layout drawings for remaining work. Please send us the drawings in a suitable format so that it can be read and understood easily for reference during preparation of the proposal.	All available drawings and design are already attached with bid document.
168.	General			Please provide Approved Make List for electro- mechanical equipment's, if any or advise if bidder is free to consider reputed make / manufacturer at their own.	This is a DBOT contract. Bidder shall make his own assessment based on relevant

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					standards and codes, and best engineering practices and have it approved by BUIDCo.
169.	Bid Data Sheet	Page 47 of 477	ITB 3.3(b)	Kindly confirm the distance of disposal point of Treated water from the STP area.	Please refer to the reply of query at S.No 4 Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
170.	Bid Data Sheet	Page 44 of 477	ITB 1.1 (d)	Please provide the quantity/ parameters/ application of treated effluent for reuse.	Please refer to the reply of query at S.No. 6. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
171.	General			Please provide the details of electro-mechanical specification i.e. Quantity, MOC, type, other technical specification.	Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
172.	Bid Data Sheet	Page 44 of 477	ITB 1.1 (d)	Kindly reconfirm the capacity of IPS at Anvarpur Crossing, Pokharamohalla , RCD campus and jharua.	It is mentioned in Bid document. This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo.
173.	Bid Data Sheet	Page 50 of 477	ITB 3.11 a	In tender Design, Build, Test and Commissioning period is given 24 Months, In this package I&D work is also include; we request the department to provide the 36 months minimum for Design, Build, Test and Commissioning.	Bid document shall prevail.
174.		Page 210 of 477		Please provide the list of laboratory equipment.	This is a DBOT contract. Bidder have to setup a laboratory in which all equipments to be kept for all the tests is performed in this project as per IS codes best engineering practices and have it approved by BUIDCo.
175.				Please provide the data on Dry solids content of sludge being fed to the centrifuge. Also please specify the require dry solids contents of dewatered sludge.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
176.	13.1.11. Design Responsibilities	Page 206 of 477		Kindly reconfirm the Treated Effluent Quality. As per Ministry of Environment, Forest and Climate Change Notification, New Delhi Treated Effluent Quality parameters have been changed.	Please refer to Addendum 1 S.No-1
177.	Boundary Wall			As per our understanding, Boundary wall shall be constructed only around the proposed STP/SPS. Kindly confirm your acceptance & please provide the length of the boundary wall to be constructed around STP.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
178.	General			Kindly provide the Google earth file demarking the STP/SPS.	Please see the attached file which name is

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					google coordinate.
179.	General			Please provide the Invert Level of 4 Nos. SPS.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
180.	Special Conditions of Contract	184	Clause 1.6.2 – Arbitration	If, the contract is with the domestic Operator arbitration shall be conducted in accordance with the Arbitration & Conciliation Act 1996.  We would purpose that in case dispute is referred for arbitration, a panel of three Arbitrators (One Arbitrators by each party and the Arbitrator so appointed shall appoint a third presiding Arbitrator) should adjudicate the dispute as per the provision of Arbitration and Reconciliation Act, 1996 as amended from time to time. Please Confirm	Bid Condition shall prevail.
181.	Article 1 Contract and Interpretation	125	Clause 1.7- Assignment ;-	The Operator shall not assign to any Third Party the Contract, or any part thereof, or any right, benefit, obligation or interest therein or thereunder without the prior consent of the Owner, which consent may not be unreasonably withheld  The Contractor be allowed to transfer, sub-contract or assign the contract or any part with prior intimation to the Owner. Please confirm	Bid Condition shall prevail.
182.	Article 1 Contract and Interpretation	127	Clause 1.8.5- Inspections and Audit by the NMCG:-	The Operator shall permit the NMCG and/or persons appointed by the NMCG to inspect the Site and/or the Owner's accounts and records relating to the performance of the Contract and to have such accounts and records audited by auditors appointed by the NMCG if required by the NMCG.  All the related cost with regard to inspection and Audit to be borne by Owner. Please confirm	Bid Condition shall prevail.
183.	Article 1 Contract and Interpretation	136	Clause 3.2 Law Governing Services:-	The Operator shall indemnify and hold harmless the Owner from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from violation of the Applicable Law by the Operator, the Operator's Personnel the Sub-contractors and the Sub-contractors' personnel.  The Owner shall indemnify the Contractor for any loss/damages/claims sustained by the Contractor due to act/omission/ negligence of the employees of the owner during the performance of the work by the employees of the Contractor. Please confirm	Bid Condition shall prevail.
184.	Article 1 Contract and Interpretation	142	Clause 4.2 Access to the Site and Project Facility;-	The Owner shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto and for providing possession and access to all other areas reasonably required for the proper execution of the Contract including all requisite rights of way. The Owner shall provide the Operator, free of charge, full possession of the Site and the Project Facility during the term of	Bid Condition shall prevail.

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				<p>the Contract.</p> <p>Contractor will only be responsible for such approvals &amp; clearances as statutorily applicable to Contractor in respect of its scope of work.</p> <p>Please Confirm</p>	
185.	Article 1 Contract and Interpretation	174	Clause 11.2- Termination for Owner's Convenience;	<p>The Owner may at any time terminate the Contract for any reason by giving the Operator a notice of termination that refers to this GC Section 11.2.1(1).</p> <p>The Owner shall before termination give reasonable opportunity to rectify defect or damages within reasonable period of time, if any. Please confirm The Purchaser before suspension must give reasonable opportunity.</p> <p>Please confirm</p>	Bid Condition shall prevail.
186.	Article 1 Contract and Interpretation	137	Clause 11.2- Site Information and Investigation:	<p>The Operator acknowledges that the Owner made available to the Operator, during the bidding process, either directly or by placing the data in the Data Room and Background Information Document, all available data on hydrological and sub-surface conditions of the Site, and studies on environmental impact that had been obtained by or on behalf of the Owner from investigations in anticipation of the Design-Build and Operations Services (the —Site Information)). The Operator shall be responsible for interpreting all data about the Site that is provided to it by the Owner.</p> <p>If during pre-construction/pre-erection survey the Contractor observes that the Site conditions are at variance to what has been provided in the Contract, the time and cost impact must be taken into consideration as time is the essence of Contract.</p> <p>Please confirm</p>	Bid Condition shall prevail.
187.	Article 1 Contract and Interpretation	153	Clause 8.3 Operators Personnel:-	<p>The Operator shall be responsible for obtaining all necessary permits and visas from the appropriate authorities for the entry of all labour and personnel to be employed on the Site into the Country.</p> <p>Contractor will only be responsible for such approvals &amp; clearances as statutorily applicable to Contractor in respect of its scope of work.</p> <p>Please Confirm</p>	Bid Condition shall prevail.
188.	Special Conditions of Contract	183	Clause 4.2 – Access to the Site and Project Facility:-	<p>If the Operator requests for additional land for setting up the STP facility over the above the requirement indicated by him in his bid, he shall furnish a justification for the same.</p> <p>The Owner will examine the request from feasibility angle as also the supporting justification. Based on the justification, if the Owner decides to allocate additional land, such allocation will be subject to the Operator bearing and depositing with the Owner, the cost of additional land worked out at twice the rate specified in the BDS ITB 3.3 (c), namely twice the rate of INR ..... per square metre[EA should insert the same rate as given in the BDS]or a higher rate at the option of the Owner, in case the Owner incurs higher cost for acquiring the additional land.</p>	<p>Not confirmed.</p> <p>Please refer to addendum 1 S.No. 19</p>

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				The land required for setting up STP facility is tentative, if any additional unit/facility is added or increased in size by the Owner, which subsequently increases the area of the land, the additional land cost/price to be borne by Owner. Please confirm.	
189.	446_26-Aug-2019_Bid Document hajipur1		General	<ol style="list-style-type: none"> <li>1. We understand that 11 KV Power Supply - 01 no. connection along with tariff metering panel till proposed STP and IPS station with in specified plot shall be provided by Local Electricity Utility Company/Board. Kindly confirm.</li> <li>2. We understand that the transmission voltage level/Grade from Electricity Supply Company to proposed STP / IPS Plant shall be 11kV (3 phase, 3 wire). Kindly confirm.</li> <li>3. Initial power factor detail.</li> </ol>	Please see the reply of Sr. no. 56 & This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
190.	446_26-Aug-2019_Bid Document hajipur1		General	As per Bid-Specification, We could not found Hazardous area classification document. Please confirm if any Hazardous area is in the plant, if yes then classify / locate the same in Layout.	Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
191.			General	Please arrange to provide approved / preferred- Make/Vendor List.	Please see the reply of sr. no.168
192.			General	Requirement of Mandatory & recommended spares are not mentioned in tender. So we are excluding the same form scope of supply.	Bidder shall make his own assessment
193.			General	Since the detailed specifications of electrical items are not defined in tender specification, so we will follow the relevant IS standard as marked in tender specification.	This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
194.			General	Requirement of Firefighting system is not mentioned in tender. Kindly confirm the requirement.	Please see the reply of Sr. No. 53
195.			General	As bid Specification, It is not clear for Redundancy level. So, our understanding, PLC system shall be Non-Redundant Processor, Power Supply and Simplex I/O Modules. Kindly confirm.	All PLCs and I/Os shall be redundant. This is a DBOT contract. Bidder shall make his own assessment based on relevant standards and codes, and best engineering practices and have it approved by BUIDCo
196.			General	Any third party communication / Web Access are required with PLC System. Kindly confirm.	Bid Condition shall prevail.
197.			General	CCTV, PAGA system, telephone system requirement is not defined in tender, Kindly confirm the requirement	Please refer to addendum 1 S. No-12
198.	Eligible Bidders & Qualification Criteria	14 of 477 & 69 of	Section 1.2 & Section 1.1 (b)	Request- Consortium should also be allowed/considered as Joint Venture to participate in the Bidding process? Since getting internal approval on JV is too tedious, lengthy and time consuming	Bid Condition shall prevail.

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		477		process in Govt.organisation, consortium should also be allowed. By allowing consortium, more bidders will participate for competitive bidding and practically there is no difference in Joint Venture and Consortium. We hereby request your good office to kindly amend as “ <b>Consortium or Joint Venture</b> ” instead of Joint Venture.	
199.	Bid Security (Earnest Money Deposit)	27 of 477	Section 3.4	Request : Since we are state govt enterprise, it should be allowed that we are waived off/partly relaxed from submitting EMD (Earnest Money Deposit)	Bid Condition shall prevail.
200.	Performance Security	41 of 477 & 52 of 477	Section 6.5 & ITB 6.5	Request: Since we are state Govt. enterprise, it should be allowed that we are waived off/partly relaxed from submitting Performance security.	Bid Condition shall prevail.
201.	Performance Security	41 of 477 & 52 of 477	Section 6.5 & ITB 6.5	Request- Being a state Govt enterprises, it should be allowed to submit the Operational & Maintenance Performance Security after completion of the Design & Build Period. Since, O&M can only begin after the completion of design & build, the same is being requested. We also request you to allow bidder to submit performance security for 10% value of O&M charges for 3 years instead of 15 years and valid for 3 years. This performance security shall be renewed 2 months before expiry after every 3 years till completion of O&M period.	Bid Condition shall prevail.