

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
1	Qualification requirements	page no 5 of 379	The bidder shall provide evidence that the technology that the technology proposed for this contract has been adopted in at least three (3) other locations having similar climatic conditions during last 7 financial years (i.e. 2010-2011 to 2016-2017)	To search a Technology partner for said experience and to do the Tie-up agreement required lot of time, considering this please extend the date of submission. Also consider Multiple Technology partner Tie-up agreement, to avoid monopoly system during bidding. So that during execution of contract we had choice for selection of Technology provided.	Tie Up agreement with technology provider is not required. For time extension, please refer SN 1 of Addendum - 1.
2	ITB, Sec 3	Pg.24 of 379	Section 3, Cl 5	The section refers to ITB Sec 3.3(f)(l) for providing catalogues & detailed information, however, there is no such clause reference in bidding document. Please clarify.	Please refer SN 18 of Addendum-1
3	Bid Data Sheet	Pg.27 of 379	Sec 3, Cl 3.4 (b)	Please confirm, in accordance with referred clause, the Bid Security in form of "Bank Guarantee from a reputable bank or insurance company in any eligible country" shall be acceptable.	Bid condition prevail. The bid security of a joint venture must be in the name of all of the participants in the joint venture submitting the bids as per ITB 3.4
4	3.4 Technical Section – Part II – Bid Security	27 of 379	Section 3 Preparation of Bids	As per the clause No. 3.6 "Technical Section – Part IV - Joint Venture Documents and Requirements" page no. 28 of 379 the firms participating as joint venture need to submit "Letter of Intent" to execute a Joint Venture Agreement in the event of a successful bid.  Since the consent of the JV Parties (to enter into a JV) is sought at Bidding stage, it is therefore requested to kindly allow the submission of Bid Security in the name of lead partner for and on behalf of Intending Joint Venture. Or The Bid Security in case of a JV can be allowed to be submitted by the intending partners of the JV in their respective share of participation in JV.	Bid condition prevail
5	3.6 Technical Section – Part IV - Joint Venture Documents and Requirements Sub Clause (b)	29 of 379	Section 3 Preparation of Bids	Kindly reconfirm our understanding that in case of Joint Venture submitting the bid, "Letter of Intent" (as per format provided under Annexure A - Part K to execute a Joint Venture Agreement in the event of a successful bid) and "Copy of proposed Draft of Joint Venture Agreement" are required to be submitted with the Bidder's submittals.	Bid condition prevail
6		Page 30 of 379	All permits/approvals/licences.	Kindly consider to take all statutory approvals, local approvals consent to establish and operate from state pollution control board, Environmental clearance for the project etc... in the scope of Bihar Urban Infrastructure Development Corporation Limited.	Bidder's Scope BUIDCo facilitate

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
7	Bid Data Sheet	Pg.31 of 379	Sec 3, Cl 3.11 (b) (2)	Please clarify the statement- "The Annual O&M price quoted for treatment of the Threshold Sewage Flow Rate shall be the base (minimum) price which shall not be subject to adjustment in case actual sewage flow falls short of the Threshold Sewage Flow Rate."	Bid condition is self explanatory
8		page no 31	Total area allocated for Two (2) STP plant 50 MLD & 60 MLD at pahari, is approx. 3 Hect. Land is available. Since limited area of the land is available for both the plant, so bidder should require to built on any advanced technology so it take less area of land and treated effluent as per CPHEEO manual.	Please clarify the land for 50 MLD and 60 MLD	Tentative STP site plan is attached. Bidder has to visit the site before bidding
9	Page no 31 of 379, 3.11 financial section -Bid Prices. 1. Part A- Design build price:	31	Total area allocated for Two (2) STP plant 50 MLD & 60 MLD at pahari, is approx. 3 Hect. Land is available. Since limited area of the land is available for both the plant, so bidder should require to built on any advanced technology so it take less area of land and treated effluent as per CPHEEO manual.	kindly confirm the capacity of the STP covered under this tender. As it is essential to select advanced technologies it will necessitate for active involvement and joint responsibility from the technology provider to achieve the desired effluent standard with less foot print as specified in the tender. We presume that Technology Tie up agreement with technology provider is Mandatory. Kindly confirm.	The bid conditions are self explanatory
10	4.1 Sealing and Marking of Bids	34 of 379	Section 4 - Submission of Bids	Kindly reconfirm our understanding that bids shall be submitted only through hard copy submission method & bidder is required to submit only "Original + 1 copy" of the submittals (Technical + Financial Bid) before the due date and time.	Bid condition prevail. Bids shall be submitted in hard copies as per ITB 3.15
11	Bid Data Sheet	Pg. 46 of 379	BDS ITB 1.1 (e)	Please confirm that the plot area of 2.94 Ha is available for the Sewage Treatment Plant and reuse infrastructure comprising of 97 MLD MPS and 60 MLD STP to be constructed under this Contract.	Bid clause is self explanatory.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
12	The maximum area of land available and allocated for the Sewage Treatment Plant and reuse infrastructure is 2.94 Hectare.	46 of 379	Bidder data sheet ITB 1.1 e	We presume that area of 2.94 Hectare is for 97 MLD STP (60 MLD present + 37 MLD in future on same technology as specified by the bidder) with 97 MLD MPS. It shall be necessary for the bidder to submit the layout showing future 37 MLD STP on same technology proposed by the bidder. Kindly Confirm	Bid condition prevail. The total area available is limited to 2.94 Ha for 97 MLD STP. Bidder needs to prepare layout for STP for future expansion (37MLD STP) at least with same proposed technology".
13	Tender Document	ITB 1.1 (d)	Receiving Sewage	Kindly specify natural ground level, finished ground level and high flood level.	The survey of site and design of Plant components is in bidder's scope
14	ITB  Schedule 1	46 of 379  183 of 379	ITB 1.1 ( e )  4	It is mentioned as "The maximum area of land available and allocated for the Sewage Treatment Plant and reuse infrastructure is 2.94 Hectare"  Where as in the referred article, it is mentioned as "The Owner shall be responsible for acquiring and providing legal and physical possession land as per requirement indicated by the Operator in his bid (as incorporated in Schedule 5 of the Contract), subject to a ceiling of approximately 5.88 Hectare for setting up the STP facility"  Kindly provide the overall Layout (with Contours, Boundary, road access) and confirm the land Available for STP facility since there is ambiguity in the referred clauses.	Please refer SN 15 of Addendum-1
15	Page no 46 of 379, Bidder data sheet ITB 1.1 (e)	46	The maximum area of land available and allocated for the sewage Treatment plant and reuse infrastructure is 2.94 Hectate.	We presume that area of 2.94 hectare is for 97 MLD STP (60 MLD present +37 MLD in future on same technology as specified by the bidder) with 97 MLD MPS. It shall be necessary for the bidder to submit the layout showing future 37 MLD STP on same technology proposed by the bidder. Kindly confirm.	Bid condition prevail. The total area available is limited to 2.94 Ha for 97 MLD STP. Bidder needs to prepare layout for STP for future expansion (37MLD STP) at least with same proposed technology".
16	ITB 2.9(a), 2.2(c), 2.3(a), 2.4, 2.9(b)	Pg. 48 of 379	Design-Build-Starting Date	We understand, the effective date of work start shall be considered from the date of Land Hand Over (Site Access provided) to the contractor. Please confirm.	Bid condition prevail. The land is already available and acquired by the BUIDCO. Bidders are requested to visit the site for confirmation.
17	Bid Data Sheet	48 of 379	The estimated timetable:	Dead Line for Submission of Bid : 17.10.2017  Please appreciate that the proper study and complete due diligence of sewerage work for analysis of existing infrastructure as well as approach, access is required for correct estimation and preparation of bid. The given submission time is not adequate for these activities. We request you to extend the Bid submission date to atleast 3 weeks from receipt of replies of prebid questions.	Please refer SN 1 of Addendum-1

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
18	(f) Issue of Response to questions (04.10.2017) (h) Deadline for submission of Bids (17.10.2017) (Bid submission date) 15:00 00 hrs. IST local time	Page no 48 of 379	ITB 2.9(a), 2.2(c), 2.3 (a) 2.4, 2.9(b)	We request you to extend deadline of bid submission by 3 (three) weeks from schedule date 17.10.2017 as the response of bidder's queries will be uploaded on 04.10.2017	Please refer SN 1 of Addendum-1
19	Bid Data Sheet	Pg. 49 of 379	BDS ITB 3.3(b)	Please confirm the disposal location at a distance of 1.75 km from STP is to be considered for the Hydraulic design.	Please refer SN 2 of Addendum-1
20	Bid Data Sheet Sch. 2, Design Build Services Schedule (DBSS)	Pg. 49 of 379 Pg. 198 of 379	BDS ITB 3.3 (b) & BDS ITB 3.3 (e)(2)(ii)(b) 7 Article 12, Cl. 12.1.7	Please provide details of outfall structure for disposal of treated sewage in Badsahi Nalah.	Survey and design is in the scope of bidder.
21	Bid Data Sheet	Pg. 49 of 379	BDS ITB 3.3 (b) & BDS ITB 3.3 (e)(2)(ii)(b) 7	Please provide pipe routing (L-section drawing) of routing of effluent pipe from STP to Badsahi Nalah for disposal.	(route map on Google map to be provided- REFER ANNEXURE 1)
22	Bid Data Sheet	Pg. 49 of 379	BDS ITB 3.3 (e)(2)(ii)(b) 7	Please specify the provisions to be made for supply treated sewage for reuse application (like, Treated Effluent Reservoir, Treated Effluent Pump House, etc.).	The requisite planning and design is in bidder's scope
23	Bid Data Sheet Sch. 2, Design Build Services Schedule (DBSS)	Pg. 49 of 379 Pg. 198 of 379	BDS ITB 3.3 (b) Article 12, Cl. 12.1.7	As per Cl. 12.1.7, ground level is 48.5.5 m and as per BDS Cl. ITB 3.3(b), HFL is 51.51 m, which indicates HFL is about 3 m above GL. Please confirm the FGL to be considered for proposed STP site.	FGL is to be proposed by bidder after proper design and got approved from the owner
24	Bid Data Sheet	Pg.49 of 379	ITB 3.3(f)(4)(ii)(b), 3.3(f)(5)	The reference clause given under this section for Key Staff deployment by operator is not matching to any of clauses in ITB. We understand, instead of 3.3(f)(4)(ii)(b), 3.3(f)(5), the reference clause shall be read as 3.3(e)(8)(ii)(b), 3.3(e)(9). Please confirm.	Please refer SN 3 of Addendum-1
25	Bid Data Sheet	49 of 379	Works For STP to be specified in Site plan: ITB 3.3(e)2(ii)b	Please confirm below scope for STP work: 1. Admin Building 2. DG Sets for power back up. 3. Treated effluent pumping station 4. Treated effluent transmission piping. Further please also clarify specific scope of Campus Development works.	Bid condition prevail. In addition to scope of work listed in ITB 3.3 (e) 2 (ii) b, the STP should also have Admin Building, DG Sets for power back up, treated effluent pumping station, Treated effluent transmission piping etc
26	The treated effluent shall be discharged at Badsahi Nalah, Outlet level shall be designed and planned with reference to Ganga River HFL which is 51.51 m, at a distance of approx. 25 Km.	49 of 379	Clause 13.1.11 Design Responsibilities	We Presume that Hydraulic design shall be prepared considering HFL at Badsahi Nalah 51.51m with disposal distance of 1.75k KM from STP Location. Kindly Confirm	Design, responsible is in Bidder's Scope. Please refer SN 2 of Addendum-1
27	ITB	46 of 379	ITB 1.1 ( e )	Since the treated effluent has to be discharged to Badsahi Nalah (1.75 Km from Proposed STP Location). Kindly provide the HFL of Badsahi Nalah for hydraulic design.	The design of Plant components is in bidder's scope
28	Land Cost Evaluation	Page 49 of 379	ITB 3.3 ©	Please clarify whether non-technical buildings such as staff quarters, open area, gardens, inside the STP area are also considered in land cost evaluation.	Yes

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
29	BID Data sheet ITB 3.3 (b) and Schedule 1 SCC Article 12. Design Services 12.1.5	49 of 379 And 198 of 379		The following levels have been provided in the tender document 1. HFL at Ganga 51.51 m 2. Invert level of pipeline 43.29 m 3. Ground level at receiving chamber 48.5 15m However the following additional levels are required 1. NGL, FGL and HFL at the Pahari STP location 2. NGL, FGL and HFL at the disposal point of treated water (Badashahi Nallah)	Survey and design is in the scope of bidder.
30		Page no 49 ITB 3.3	Disposal of sludge.	Please clarify, who is responsible for disposal of sludge and who is borne the charges.	Bidder's scope
31		page no49 ITB 3.3	Sludge treatment and reuse of sludge in power generation for operation of STP (if any)	Please clarify.	Please refer to Article 12.1.1 of Schedule 2 of DBSS
32	Page no 49 of 379, clause 13.1.11 Design Responsibilities	49	The treated effluent shall be discharged at Badsahi Nalah, outlet level shall be designed and planned with reference to Ganga River HFL which is 51.51 m, at a distance of approx. 25 km.	We presume that hydraulic design shall be prepared considering HFL at Badsahi Nalah 51.51 m with disposal distance of 1.75 k Km from STP location. Kindly Confirm	The bid conditions are self explanatory
33	ITB	Pg.50 of 379	ITB 3.3 (e) (10)	The scope of works involves huge construction works. For plants of such higher capacities, the maximum percentage of sub-contracting for design-build services is generally fixed up to 50%. Typically for STPs the limit of subcontracting is fixed up to 50%. We kindly request to increase the ceiling for subcontracting design-build services at least up to 50%. Please confirm.	Bid condition prevail
34	Indicative flow rates for STP & reuse percentage of Treated water	50 of 379 and 205 of 379		Please clarify the following statement" The operator shall ensure that the percentage of treated water as listed in the table below would available for reuse at discharge points meeting the reuse infrastructure has to be constructed for the reuse of treated water by the locality" Kindly provide the following details a. Possible reuse application for locality b. Reuse infrastructure requirement as per above clause.	Bid condition prevail
35	Bid Data Sheet	Pg.51 of 379 Pg.64 of 379	ITB 3.11(b)(2) & 3.11 (b)(3) Annexure A – Part b, Table Ab3-Price Schedule Part B & C (STP)	The 3 <sup>rd</sup> column of Table Ab3 mentions: Part B- annual O&M Price for treatment of Threshold Sewage Flow of 10 MLD. On the contrary, as per BDS- ITB 3.11(b)(2) & 3.11 (b)(3), the Threshold Sewage Flow shall be 20 MLD. Please confirm the Threshold Sewage Flow.	Please refer SN 5 of Addendum-1

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
36	The Threshold Sewage Flow is: 20 MLD. The threshold sewage flow means the expected level of sewage flow available for treatment immediately on completion of the STP facility  PART B - Annual O & M Price for treatment of Threshold Sewage Flow of 10 MLD - (Amount) (a)	Page No. 51 of 379, Page No. 64 of 379,	ITB 3.11 b 2& 3.11 b 3 Table Ab3-Price Schedule	There is ambiguity in threshold sewage flow on page no 51 it is mentioned 20 MLD and on Page No 64 it is mentioned 10 MLD. We presume that Threshold Sewage Flow is: 20 MLD. Kindly Confirm	Please refer SN 5 of Addendum-1
37	ITB	51 of 379 60 of 379	ITB 3.11 b 2 & 3.11 b 3	It is mentioned as "The Threshold Sewage Flow is: 20 MLD. The threshold sewage flow means the expected level of sewage flow available for treatment immediately on completion of the STP facility".  Indicative flow for 1st year during O&M is mentioned as 42 MLD.  Kindly confirm the threshold sewage flow.	Please refer SN 5 of Addendum-1
38	page no 51 of 379, ITB 3.11 b 2 & 3.11 B 3 Page no 64 of 379, Table Ab3 price schedule	51	The threshold sewage flow is : 20 MLD. The threshold sewage flow means the expected level of sewage flow available for treatment immediately on completion of the STP facility Part B - Annual O&M price for treatment of threshold sewage flow of 10 MLD - (Amount) (a)	There is ambiguity in threshold sewage flow on page no 51 it is mentioned 20 MLD and on page no 64 it is mentioned 10 MLD. We presume that threshold sewage flow is : 20 MLD Kindly confirm.	Please refer SN 5 of Addendum-1
39	ITB 4.1 (b)(2)	52	Bid data sheet	As per the clause it is mentioned as the O&M period for the entire work is 15 years. Presently in same nature jobs in India is following the O&M period is 5 to 10 years ,we request you to please consider the O&M period as maximum 10 years. Please accept	Bid condition prevail
40	Pre Bid Queries		General	We request the client to extend the last date of pre bid queries upto 14 days prior to bid submission date.	Bid condition prevail
41	Bid submission		General	We request client to provide at least six (6) weeks time after receipt of pre bid replies to enable the bidders to submit a comprehensive techno commercial proposal.	Please refer SN 1 of Addendum-1
42	ITB 4.1(b)(2), 5.1(a)(2)	52	Bid submission date	Clause mentioned that the bid submission date is 17-10-2017. Since it is an EPC tender for construction of STP, bidder required more time to do the site study ,interaction with major equipment suppliers etc.... to submit a most competitive techno commercial offer. Hence we request you to please extent the bid submission date at least 1 month from 17-10-2017 to 17-11-2017. Please confirm.	Please refer SN 1 of Addendum-1

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
43	Bid Data Sheet List of Annexures	Pg.53 of 379 Pg.375 of 379	Cl. 6.7 Annexure-1 CV of Adjudicator	In reference to the mentioned clauses, CV of Adjudicator Mr. A.K. Sharma, is not found in Bidding document. Please provide the same.	Please refer Annexure-2
44		Page no 53 of 379	amount of performance security =9% of the total contract price	Nationalized bank will not provide the bank guarantee valid for 15 years, hence request to consider renewal bank guarantee every year. Also consider performance security 5% of capital cost is valid upto 3 months beyond the completion of construction phase. And 5 % for yearly O&M price valid for 1 year.	Bid condition prevail
45		Page no 60 of 379	Indicative flow for the purpose of evaluation of bids in accordance with ITB 5.6 (c) (iv) during the operations period shall be as follows:	Indicative flow mentioned in the tender documents, request to kindly provide the minimum guarantee of sewerage each year.	Bid condition prevail
46	Bid Data Sheet	Pg.66 of 379	Annexure A – Part D(STP), Table Ab4- Part D (STP & MPS) Guaranteed Electricity Consumption	Please confirm that the bidder is consider Indicatives Flows for respective years mentioned on page no 60 of 379 for Guaranteed Electricity Consumption.	Yes Confirmed
47	Table Ab4 - Part D (STP & MPS) Guaranteed Electricity Consumption	Page No. 66 of 379 Page no 60 of 379	1.9 Part D (STP)- The Electricity Consumption guaranteed by the bidder (for the purpose of ITB 3.11 (c) and 3.11 (d) shall be as under:  Indicative Flow	We presume that bidder has to provide the power guarantees considering indicatives flows for respective years mentioned on page no 60 of 379. Kindly Confirm.	The bid conditions are self explanatory
48	Part D STP	66 of 379	1.9	Confirm whether Net Power consumption will be considered for Price evaluation, since solar power generation is also envisaged.	Net Power consumption will be considered for evaluation.
49	Appendix to bid	66 of 379	Table Ab4 Part D	Since the power consumption of STP will not vary proportionately with respect to the flow in MLD of STP, we understand that the power consumption shall not be guaranteed for Per MLD. For example power consumption Per MLD at lower flow rates around 20 MLD will be greater than the power consumption per MLD at higher flow rates around 60 MLD because even at lower flow rates drives like clarifier mechanism, thickener mechanism, dosing system will operate at full power load. Also the power consumption depends on different factors like BOD of sewage also. Hence kindly request you to allow for power guarantee on basis of KWH/day for full capacity of STP and MPS.	Bid condition prevail
50		page 66 of 379	The Bidder shall provide along with the price schedule a separate table giving details of taxes, GST, duties, levies and other applicable taxes considered by him and included in the price offered under part A & Part B.	Kindly provide the format, in which we had to provide the details.	No specified format is required.The bidder just has to furnish in a Table the details of all taxes and duties considered by him and included in the quoted price.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
51	Page no 66 of 379 1.9 part D (STP)- The electricity consumption guaranteed by the bidder (for the purpose of ITB 3.11 (c) and 3.11 (d) shall be as under: Page no 60 of 379 indicative flow`	66	Table Ab4 - Part D (STP & MPS) Guaranteed Electricity consumption	We presume that bidder has to provide the power guarantees considering indicatives flows for respective years mentioned on page no 60 of 379. Kindly Confirm.	The bid conditions are self explanatory
52	Annexure A – Part e Format of curriculum vitae (CV) for proposed key staff.	72 of 379 92 of 379 Form (5A) and 93 – 97 Forms	Schedule A to the Bidding Documents	Three types of CV formats are provided in the bid documents and are mere repetition of the candidate’s experience proposed by the bidder  It is requested to kindly allow submission of Curriculum Vitae for proposed manpower organization for this project in a single detailed format as per “Annexure A – Part e”.  Kindly confirm	Bid condition prevail
53	Annexure - A, Part H Qualification Criteria	77 of 379	Section 1, Cl. 1.1 (b) (2)	A joint venture of up to a maximum of 2 (1+1) partners  Kindly amend the clause to: A joint venture of up to a maximum of 3 partners.	Please refer SN 6 of Addendum-1
54	Schedule A-Part h of bidding document	77 of 379	Qualification criteria Section 1.1 (b) (2)	As per the bid document page77, the section 1.1 (b) (2) is “A joint venture of up to a maximum of 2 partners.” We request you to amend the above section 1.1 (b) (2) to “A joint venture of up to a maximum of 3 partners.” We request the above amendment in the interest of healthy competition.	Please refer SN 6 of Addendum-1
55	Section 1. QUALIFICATION CRITERIA	78 of 379	1.4. a. 1 It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 40 MLD capacity of secondary treatment of sewage during the last 07 Years preceding the bid submission date	We understand that the bidder should have an experience of similar capacity of plant as per desired parameters mentioned in this tender document. Kindly confirm.	The bid conditions are self explanatory



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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
56	Schedule A-Part h of bidding document	78 of 379	Qualification criteria Section 1.4 (a) (1)	<p>As per bid document page 78, the section 1.4 (a) (1) is</p> <p>1. It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 40 MLD capacity of secondary treatment of sewage during the last 07 Years preceding the bid submission date.</p> <p>We request you to amend the above section 1.4 (a) (1) to</p> <p>“It has Designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 10 MLD capacity of secondary treatment of sewage during the last 07 Years preceding the bid submission date.</p> <p>Higher capacity Sewerage Treatment Plants are built only in few locations in India, hence keeping experience of construction of 40MLD Sewerage Treatment Plant as the qualifying limit will lead to only very few firms to compete for this work. Hence, in the interest of healthy competition we request BUIDCo to amend this criterion as requested.</p>	Bid condition prevail
57	Schedule A-Part h of bidding document	78 of 379	Qualification criteria Section 1.4 (a) (2)	<p>As per bid document page 78, the section 1.4 (a) (2) is “If a bidder has offered STP of a different technology from the one it has built as per (a) above, his nominated sub-contractor should have designed, developed, built, tested and successfully commissioned at least one Sewage Treatment Plant of 40 MLD capacity of secondary treatment of sewerage having same process technology as proposed for this Contract which has been operating successfully (meeting the required performance standards) for a period of minimum 1 year over a period of last 07 years.”</p> <p>We request you to amend the above section to</p> <p>“If a bidder has offered STP of a different technology from the one it has built as per (a) above, his nominated sub-contractor should have designed, developed, built, tested and successfully commissioned at least one Sewage Treatment Plant of 10 MLD capacity of secondary treatment of sewerage having same process technology as proposed for this Contract which has been operating successfully (meeting the required performance standards) for a period of minimum 1 year over a period of last 07 years.”</p>	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
58	Schedule A-Part h of bidding document	78 of 379	Qualification criteria Section 1.4 (a) (3)	<p>As per Bid document page 78 the section 1.4 (a) (3) is                      "The Bidder has the experience in operating and maintaining successfully at least one Sewage Treatment Plant of 40 MLD capacity for secondary treatment of sewage of any process technology for a period of 1 year during the last 7 years preceding the bid submission date."</p> <p>We request you to amend the above section to "The Bidder has the experience in operating and maintaining successfully at least one Sewage Treatment Plant of 10 MLD capacity for secondary treatment of sewage of any process technology for a period of 1 year during the last 7 years preceding the bid submission date."</p>	Bid condition prevail
59	Schedule A Part h 1.4 (b)	78	Nominated subcontractor experience for qualification	<p>Clause mentioned that For the purpose of demonstrating the design experience requirement in accordance with Section 1.4 (a), the Bidder, whether a single entity or a joint venture Bidder may claim the experience of its sub-contractors and sub-consultants. (i.e Construction &amp; O&amp;M Experience) Normally this clause will applicable only for the O&amp;M experiences and not for the main construction experience. As per the present qualification criteria any bidder who is having financial capability but doesn't have construction experience can participate in the bid through any subcontractor and if the job awarded to them the execution may suffer because of their inexperience in STP construction activity. Hence for the interest of the project, we request you to allow the sub-contractor experience only for the O&amp;M experience.</p> <p>☐</p>	Bid condition prevail
60		Pg 78	<p>1.4. (a) Experience in Construction and O&amp;M of STP. (Page 78)                      2. If a bidder has offered STP of a different technology from the one it has built as per (a) above, his nominated sub-contractor should have designed, developed, built, tested and successfully commissioned at least one Sewage Treatment Plant of 40 MLD capacity of secondary treatment of sewerage having same process technology as proposed for this contract which has been operating successfully (meeting the required performance standards) for a period of minimum 1 year over a period of last 07 years</p>	<p>With reference to clause 1.4 (a) 2; We suggest to consider O&amp;M experience for STP for 2 years instead of 1 one year which shall ensure more proven and tested technology for said STP and would be in the interest of project.</p>	Bid condition prevail

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61				The prequalification of contractor is sought for 40 MLD for 60 MLD capacity STP. In general, the capacity of prequalification will be 50% of proposed plant capacity i.e. 30 MLD (50% of 60 MLD). Hence, we request you to kindly consider the same.	Please refer SN 22 of Addendum - 1. "Experience of designed, developed, built, tested and commissioned at least one Sewage Treatment Plant of 45 MLD capacity OR Two of Minimum 36 MLD Capacity each OR Three of Minimum 24MLD Capacity each in the last 7 years; and (ii) operating and maintaining at least one STP of 45 MLD capacity OR Two of Minimum 36 MLD Capacity each OR Three of Minimum 24 MLD Capacity each for minimum 1 year in last 7 years (i.e. Year 2010-11 to Year 2016-17) of secondary treatment of sewage during the last 07 Years preceding the bid submission date".
62				Please incorporate the following changes proposed in the interest of wider participation and better prices so as the project becomes economical and viable in the interest of nation. The changes proposed is as below: completed 04 STP of capacity 10 MLD OR Completed 02 STP of capacity 25 MLD OR Completed 01 STP of Capacity 35 MLD	Please refer reply at sl no. 61 of Prebid Query reply
63	Section 1. QUALIFICATION CRITERIA	79 of 379	General 1.4. c The bidder shall also provide evidence that the treatment technology proposed for this contract has been adopted in STPs (not necessarily built by the bidder himself) in at least 3 locations during last 7 years and that each such STP has been operating successfully (meeting the required performance standards) for a period of minimum 2 consecutive years over the last 7 years	We understand that the technology adopted for the tender build by JV partner/Sub-contractor is also acceptable and Operating on the same parameters as desired in this tender. Kindly confirm	Bid condition prevail

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
64	Section 1. QUALIFICATION CRITERIA	79 of 379	1.5. Financial Capabilities (a) The bidder shall demonstrate that it possesses a net worth equivalent to minimum of INR 500 Million in each of the last three financial years preceding the date of submission of the bid (i.e. 2014-2015 to 2016-2017)	To encourage more number of bidders to participate and submit a comprehensive bid, relax it from three years to two preceding years (i.e. 2015-2016 to 2016-2017) so the more competitive bids will come. Please confirm.	Bid condition prevail
65	Section 1. QUALIFICATION CRITERIA	79 of 379	1.5. Financial Capabilities (d) The bidder should not have made losses in at least three years in last five years (i.e. years 2012-2013 to 2016-2017)	For competitive bidding scenario kindly relax three years to two years in last five years (2012-2013 to 2016-2017). Kindly confirm.	Please refer SN 7 of Addendum-1
66		Pg 79	1.5 Financial Capabilities (Page no79) (d) The bidder should not have made losses in at least three years in last five years (i.e. years 2012-2013 to 2016-2017)	We suggest that bidder should not have made any loss in last five instead of 3 years, as this shall ensure more financial sound bidders, bidding the project.	Please refer SN 7 of Addendum-1
67	1.5 Financial Capabilities Sub clause 1.5 (d )	79 of 379	Annexure A – Part h QUALIFICATION CRITERIA	It is worthwhile to mention here that the firms in EPC business of water / waste water treatment execute multiple projects at a time in lieu of which their return on investments gets delayed for much longer period thus generating losses. However positive net worth and availability of working capital accounts for the credit worthiness of the firm and is a more accurate indicator of financial capability. Further, we would like to highlight that similar condition was not present in the earlier tender of BUIDCO (under world Bank funding). e.g. <ul style="list-style-type: none"> <li>• 60 MLD STP &amp; 83 MLD MPS at Saidpur, Patna.</li> <li>• 23 MLD STP &amp; 50 MLD MPS at Beur, Patna.</li> </ul> Thus in view of the above and in the interest of healthy competition, we request the department to kindly eliminate the clause entirely. Kindly confirm.	Please refer SN 7 of Addendum-1
68		Pg 79	1.5 Financial Capabilities (Page no79) (e) The minimum average annual turnover: The Bidder should have achieved minimum average annual construction turnover of INR 800 million calculated as total certified payments received for contracts in progress and/or completed during the last five years (i.e) 2012, 2013, 2014, 2015 and 2016), divided by five.	Considering size and importance of project, we suggest higher value of average turnover i.e. INR 200 cr for qualification and enabling serious bidder to bid project and execute it smoothly in time.	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
69		Pg 79	1.5 Financial capabilities (Page no 79) (a) The bidder shall demonstrate that it possesses a net worth equivalent to minimum of INR 500 Million in each of the last three financial years preceding the date of submission of the bid (i.e. 2014-2015 to 2016-2017)	We request you consider higher net worth of INR 150 Cr. In last five years. If financial data of 2016-17 is not audited then financial data of preceding years to be considered. As it shall also ensure bidder is financial sound and would execute project smoothly.	Bid condition prevail
70	1.5 Financial Capabilities Sub clause 1.5 (e )	79 of 379	Annexure A – Part h QUALIFICATION CRITERIA	In case of bidders whose Balance Sheet for FY 2016 – 17 is still under finalization , we request the concerned authority to kindly allow the bidder to submit the financial capabilities w.r.t. FY 2015 – 16 as base year for 5 (five) years/ 3 (three) years preceding the Application due date.  OR  Kindly allow the bidder to submit provisional balance Sheet for FY 2016 – 17.  Kindly Clarify	1. Not Accepted. 2. “Provisional balance sheet for FY 2016-17 shall be considered but the provisional balance sheet shall be certified by statutory auditor/Chartered Accountant
71	1.5 Financial Capabilities Sub clause 1.5 (a )	79 of 379	Annexure A – Part h QUALIFICATION CRITERIA	It is a general practice among the leading municipalities across country to ask Net-worth requirement as 10% of “Estimated Contract Value” as a qualification criteria. Hence, in the interest of healthy competition we request the department to kindly amend the clause as: “The bidder shall demonstrate that it possesses a net worth equivalent to minimum of INR 250 Million in each of the last three financial years preceding the date of submission of the bid (i.e. 2014-2015 to 2016-2017)”.	Bid condition prevail
72	Page no 79 of 379, 1.4. Experience in construction and operation and maintenance of sewage treatment plant?	79	(c) The bidder shall also provide evidence that the treatment technology proposed for this contract has been adopted in STPs (not necessarily built by the bidder himself) in at least 3 locations during last 7 years and that each such STP has been operating successfully (meeting the required performance standards) for a period of minimum 2 consecutive years over the last 7 years.	We presume that bidder shall also submit evidences of Technology provider that treatment technology proposed for this contract has been adopted in STPs (not necessarily built by the bidder himself) in at least 3 STPs each of 40 MLD capacity locations during last 7 years in Indian condition and that such STP's have been operating successfully and achieving the treated sewage parameters as BOD <sub>5</sub> ≤ 10 mg/l, TSS ≤ 10 mg/l, TN ≤ 10 mg/l, NH-4N ≤ 5 mg/l and TP ≤ 2 mg/l for a period of minimum 2 years in last 7 years. Kindly confirm.	As per latest CPHEEO manual

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
73	Annexure - A, Part H Qualification Criteria	80 of 379	Section 1, Cl. 2.1 (b) (1)	<p>Joint venture (all partners combined) must satisfy the requirements mentioned in the Sections 1.4 (a), 1.4 (b), 1.4 (c) and 1.5., However the lead partner should meet minimum 51% and other member should meet minimum 25% of the requirements</p> <p>Kindly amend the clause to:                      Joint venture (all partners combined) must satisfy the requirement mentioned in the Sections 1.4 (a), 1.4 (b), 1.4 (c) and 1.5., However the lead partner should meet minimum 51% and other member should meet minimum 25% of the financial requirements specified in Section 1.5.</p>	The referred clauses in the query are incorrect.
74	Annexure - A, Part H Qualification Criteria	80 of 379	Section 1, Cl. 2.1 (a)	<p>Each JV partner shall have experience of Design, Construction &amp; commissioning an STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17).</p> <p>We request you to kindly amend the clause Joint Venture shall have experience of Design, Construction &amp; commissioning an STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17). Please Confirm.</p>	Bid condition prevail
75	2.1 (a)	80	<p>The lead member of the joint venture shall satisfy the criteria specified in Section 1.4 (a) (1). However, other partner(s) should have the minimum experience of 25% of the requirements. The lead member or other Joint Venture partner(s) shall satisfy the criteria specified in Sections 1.4(a) (2) and 1.4 (a) 3. Each JV partner shall have experience of Design, Construction &amp; commissioning an STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17).</p>	<p>In order to increase competition, it is in best interest of BUDICO to allow infrastructure players for participation in the tender as infrastructure and technology players specialise in their unique strengths. One have strengths in technology process whereas others have strengths in finance, construction and operations &amp; maintenance. Combining the strengths in the form of a Consortium or JV will derive the best value proposition to BUIDCO.</p> <p>We would also like to bring to your kind notice that recent tenders being invited by other bodies like National Mission for Clean Ganga (NMCG), Municipal Corporation of Greater Mumbai (MCGM), Chennai Water Supply and Sewage Board (CWSSB), Gujarat Water Infrastructure Limited (GWIL) and Coimbatore City Municipal Corporation (CCMC) for development of STP / desalination plant / 24 x 7 city water supply system have kept the door open for infrastructure companies to qualify and participate in the tender process by forming a JV/Consortium/Association with the technically qualifying companies wherein, tender documents for eligibility and qualification criteria in regard to project experience states that any member of the Joint Venture (JV)/Consortium/Association are required to meet the Specific Construction experience. This has led to increased participation thus would result in competitive or lower cost(s)/tariff(s) for the project.</p>	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
76	Section 2. JOINT VENTURES	80 of 379	2.1. Qualification Criteria (a) The lead member of the joint venture shall satisfy the criteria specified in Section 1.4 (a) (1). However, other partner(s) should have the minimum experience of 25% of the requirements. The lead member or other Joint Venture partner(s) shall satisfy the criteria specified in Sections 1.4(a) (2) and 1.4 (a) 3. Each JV partner shall have experience of Design, Construction & commissioning a STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17).	The lead member or the joint venture partner shall satisfy the criteria specified in Section 1.4 (a) (1) however, the other partner(s) should have the minimum experience of 25% of the requirements. The lead member or other Joint Venture partner(s) shall satisfy the criteria specified in Sections 1.4(a) (2) and 1.4 (a) 3. Each JV partner shall have experience of Design, Construction & commissioning a STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17).	Text of section or article No. vis a vis bidder's query is identical. No query seem to have been put up by the bidder.
77	Schedule A-Part h of bidding document	80 of 379	Qualification criteria Section 2.1 (a)	As per the bid document page 80, the section 2.1 (a) is "The lead member of the joint venture shall satisfy the criteria specified in Section 1.4 (a) (1). However, other partner(s) should have the minimum experience of 25% of the requirements. The lead member or other Joint Venture partner(s) shall satisfy the criteria specified in Sections 1.4(a) (2) and 1.4 (a) 3. Each JV partner shall have experience of Design, Construction & commissioning an STP during the last 7 years (i.e. FY 2010-11 to FY 2016-17)."  We request you to amend the above section to "Any one Partner of the joint venture or all the partners of the joint venture jointly shall satisfy the criteria specified in Section 1.4 (a)."  The amendment if accepted will lead to more companies to compete and this will lead to healthy competition.	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
78	Schedule A-Part h of bidding document	80 of 379	Qualification criteria Section 2.1 (b)	<p>As per the bid document page 80, the section 2.1(b) is                      "For the purpose of satisfying the qualification criteria set out in Section 1.5 - Financial capabilities, Joint Venture must satisfy the following qualification criteria:                      1) Joint venture (all partners combined) must satisfy the requirements mentioned in the Sections 1.4 (a), 1.4 (b), 1.4 (c) and 1.5., However the lead partner should meet minimum 51% and other member should meet minimum 25% of the requirements.                      2) All the Joint venture partners should comply with all the other requirements set out in the qualification criteria."                      We request you to amend the above section to                      "1.Joint venture (all partners combined) must satisfy the requirements mentioned in the clause 1.4(a), 1.4(b), 1.4(c) and 1.5".                      2. All the Joint venture partners should comply with all the other requirements set out in the qualification criteria."</p> <p>The amendment if accepted will lead to financially small but technically sound companies to compete in joint venture with others; this will lead to healthy competition..</p>	Bid condition prevail
79	Section 2. JOINT VENTURES			<p>a) The lead member of the joint venture shall satisfy the criteria specified in section 1.4 (a) (1), However, other partner(s) should have the minimum experience of 25% of the requirements. The lead member or other joint venture partner (s) shall satisfy the criteria specified in sections 1.4 (a) (2) and 1.4 (a) 3. Each JV partner shall have experience of Design, construction &amp; commissioning and STP during the last 7 years (i.e. FY 2010-11 to Fy 2016 17)."                      Above mention criteria may please be relaxed to allow JV of interested bidder to participate with the experience of one partner meeting the criteria. The bid condition doesn't allow the companies having sewer network experience to participate in the bid process for the requirement of experience of STP.</p>	Bid condition prevail
80	INFORMATION FORM (2A) Ref. Annexure A Part h - Section 1.5 Financial Capability Information# Note No. 6	85 of 379	Information Forms	<p>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.</p>	Bid condition prevail
81	GCC	Pg. 132 of 379	Cl. 1.9 Operations Claims during the Design-Build Period	We understand, claims for extension of time <u>or</u> additional costs shall be read as claims for extension of time <u>and/or</u> additional costs. Please confirm.	Please refer SN 8 of Addendum-1
82	GCC	Pg. 137 of 379	Cl. 2.3.4(b) Extension of time for completion	We observed, clause reference shall be rectified from 9.8, 9.7 and 9.4(2) to 8.8, 8.7 and 8.4(2), respectively. Accordingly, all the clause references shall be rectified in the entire tender document.	Please refer SN 9 of Addendum-1



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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
83	GCC	Pg. 139 of 379	Cl. 2.4.2 Services after End date	Please define scope of Operator for the Transition Services. We understand, Operator may define such scope for Transition Services in the Transition Plan to be submitted by the Operator for Transition Phase. Please confirm.	Bid condition prevail
84	GCC	Pg. 144 of 379 Pg. 255 of 379 Pg. 373 of 379	Article 3, Cl. 3.7(d) Safety Procedure Sch 3- O&M Services Sch, Article 3, Cl. 3.2 Cl. 28 Trial Run of System	The Cl. 3.7(d) of GC refers: completion and taking over under Clause 10 (Employer's Taking Over). However, there is no such Clause 10 (Employer's taking Over) in bidding document. Please rectify the clause reference. Further, we observed two different description for Taking Over in bidding document: (i) Article 3, Cl. 3.2 at pg. 255 of 379 The STP, and all appurtenant structures and allied works will be taken over by Owner on satisfactory completion of the Operation & Maintenance of the plant. (ii) Cl. 28 at pg 372 of 379: After commissioning of works, the Operator shall maintain the works for 3 (three) months to demonstrate satisfactory performance to the Design Build Operations Engineer prior to taking over by the Owner. Please clarify the ambiguity in above mentioned clauses and confirm the definition of Employer's Taking Over.	Please refer SN 10 and 11 of Addendum-1
85	GCC	Pg. 145 of 379	Article 4, Cl 4.2, Access to the Site and Project Facility	We understand the Owner (Client) shall provide, free of cost, full possession to the Site, Project Facility and Right-of-Way on or before the Effective Date. Please confirm.	Bid condition prevail
86	GCC Cl.4.8.2 & SCC Cl.5.5.2 (2)	Pg.148 of 379 & Pg. 185 of 379	Advance Payment Security GCC Cl.4.8.2 & SCC Cl.5.5.2 (2)	As per GC Cl. 4.8.2 specifies: 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 25% of the part A and Part D price and shall be fully recovered by completion of 90% of the time for completing the works under part A and Part D. Whereas, SCC Cl. 5.5.2(2) of special conditions of the contract (which replaces GC Cl. 5.5.2(2)) specifies: the mobilization advance recovery should be commenced from the date on which the payment to the Operator has reached 20% of 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. Please clarify the contradiction and the clause references.	Please refer to SN 12 of Addendum-1. The SCC provisions shall prevail over GCC.
87	GCC	Pg. 148 of 379	Cl. 4.9 Taxes and Duties	Please confirm, taxes & duties prevailing until the date of bid submission are subsequently changed, the same shall be reimbursed on actual basis to contractor upon submission of the proof.	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
88	GCC	Pg. 148 of 379	Cl. 4.9 Taxes and Duties	<p>The Government of India has issued the Notification No. 20/ 2017 – Central tax (Rate) dated 22 August 2017 wherein composite supply of works contract supplied to government, local authority or government authority by way of construction, erection, commissioning, installation, completion, fitting out, repair, maintenance, renovation or alteration of pipeline, conduit or plant for (i) water supply (ii) water treatment or (iii) sewage treatment or disposal has been subject to 6% CGST as against earlier notified rate of 9%.</p> <p>Though a separate Notification on this pertaining to SGST is not yet notified but since there is a symmetry being maintained by the GST council and the Government in both these rates, to the best of our understanding, it can also be assumed to have been reduced to 6% as against current notified rate of 9%.</p> <p>Accordingly, the output GST liability would be 12% (6% CGST and 6% SGST). Please confirm</p>	Bid condition prevail
89	Clause 4.9 Taxes & Duties	148 of 379	ARTICLE 4 Contract Price And Payment	<p>We understand that no other Tax apart from GST shall be applicable on this contract.</p> <p>Kindly reconfirm</p>	As per GoI guidelines.
90	ARTICLE 8. LIABILITY AND RISK DISTRIBUTION 8.1. Defect Liability - The Defect Liability Period shall be 24 months after the date of Completion of the STP and successful completion of three months trial run of the Project Facility, whichever first occurs, unless specified otherwise in the SCC.	158 of 379	Article 8	<p>We assume that the DLP period inclusive in O&amp;M Period. Please Confirm.</p>	After completion contractor has to do three months successful trial and run and there after fifteen years O&M. After fifteen years O&M employer will take over the assets from the contractor.
91		Page no158 of 379	The defect liability period shall be 24 months after the date of completion of the STP and successful completion of three months trial run of the project facility.	Kindly reduce it to 1 year	Bid Conditions prevail.
92	GCC	Pg. 162 of 379	Cl. 8.7(5)(b) Unforeseeable Physical Condition	We understand, “amount of delay <u>or</u> Cost.....” shall be read as “amount of delay <u>and/or</u> Cost.....”. Please confirm.	Please refer SN13 of addendum-1
93	GCC	Pg. 164 of 379	Article 8, Cl. 8.8(6)(b) Force Majeure	Please provide for provision wherein the Operator shall be paid the additional costs which may be incurred by the Operator during the period of Force Majeure.	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
94	GCC	Pg. 166 of 379	Article 8, Cl. 8.10 Change in Laws and Regulation	We understand, the content of Cl 8.10 "If after a date.....the Contract Price shall be correspondingly increased or decreased, <u>or</u> the time for completion shall be reasonably adjusted.....under the Contract." shall be read as "If after a date.....the Contract Price shall be correspondingly increased or decreased, <u>and/or</u> the time for completion shall be reasonably adjusted.....under the Contract." Please confirm.	Bid condition prevail
95	GCC	Pg. 171 of 379	Article 10, Cl. 10.1.2 Suspension by the Operator	We observed, the clause reference shall be rectified from 5.2(3) to 4.5(3) in specified clause GC 10.1.2. Accordingly, all the clause references of clause 5 to clause 4 shall be rectified.	Please refer SN 14 of addendum-1
96		Page 181 of 379	The maximum liquidated Damages-delay shall be 10% of the design-build price of the project.	Kindly amend the clause as follows The maximum liquidated Damages-delay shall be 02% of the design-build price of the project.	Bid condition prevail
97		page 182 of 379	Activity/milestone: Liquidated damages per day for delay in completion of activity/milestone	Kindly remove the clause of completion of activity/milestone	Bid condition prevail
98	Schedule 1 SCC Article 4. obligation of Owner 14 Clause 4.2 Access to site and project facilities.	183 of 379		As per this clause the owner is responsible for providing legal and physical access to the land for disposal of sludge at distance of 5 kms. And for providing legal and physical access to the badashahi Nalla for treated water disposal. Also, the owner shall provide ROW for the project facilities. Kindly confirm that the ROW for the disposal of treated water is also included in the above clearances. Requesting you to provide the L section and proposed orientation of the treated water disposal line. At another location in the bid document namely pg. 49 of 379 - the distance of the treated water disposal has been mentioned as 25 kms. Kindly clarify the exact distance of the disposal, and the preferred disposal means (channel/pipe)	Survey and design is in the scope of bidder. Please refer SN 2 of Addendum-1

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
99	<p>– Performance Security The Operator shall provide a Performance Security of 9 % (Nine Percent) and ESHS Performance Security of 1% (One Percent) of the total Contract Price, i.e. Design-Build price plus total O&amp;M Price for the O&amp;M period of 15 years. For this purpose, the Total Contract Price shall be determined as under on the basis of Operator's Bid Prices quoted in various Parts of the Price Schedule and incorporated in Schedule 5 of the Contract:</p> <p>Total Contract Price = Design Build Price for STP as per Part A + Total O &amp; M Price for STP for 15 years period as per Parts B &amp; C, assuming indicative sewage flow rate reaching the STP during respective years of the O&amp;M period as indicated in Appendix to Bid (Indicative Flow)</p>	184 of 379	19. Clause 5.5.1 (2) (a) and 5.5.1 (4)	<p>We understand that Performance Security to be submitted after issue of LOI by Bidder is for Design Build Period (2.5 Yrs) + O&amp;M Period (15 Yrs) Total Contract Period = 17.5 Years or 210 Months</p> <p>Now we would like to understand that after completion of Dseign-Build period, will Performance Security value reduced or it is same as Total Contract Value?</p> <p>We request you to clarify us the Performance Secuirity of balance O&amp;M Contract (after completion of Design Buid Period- 2.5 Years) will be 10% of Total Contract Value have to be submitted by Bidder for a period of 15 Years or Bidder have to submit reduced amount (i.e. for O&amp;M Balance) for 15 years.</p>	The referred clauses in the query are self explanatory.
100	19. Clause 5.5.1 (2) (a) – Performance Security	184	Special Conditions Of Contract	<p>Please note that for such kind of high valued guarantees issued by the banks are provided validity for about 3-4 years &amp; revalidated from time to time as per requirement.</p> <p>Hence, bidder understands that the initial Performance Security for an amount equal to 10% of the Design-Build price valid for the contract period of 30 months (2.5 years) &amp; a new Performance BG for an amount equal to 10% of the total O&amp;M price valid initially for 03 years which is to be further extended from time to time can be provided by the successful bidder.</p>	Bid condition prevail
101		page no 188 point no. 26	Sub contracting shall not exceed 25 % percent	Please specify, why not given the sub contract more then 25%	Bid condition prevail
102	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 194 of 379	Article 11, Cl. 11.1 (b)	Please specify disposal location (with distance from STP site) for construction debris & waste material, sludge from extracted from existing lagoons and Debris from demolishing existing STP.	Salvage material will be utilized as per requirement & unutilized material shall be disposed at Ramchak Baria or at suitable land.
103	SCC	Pg. 194 of 379	Article 11. General Cl. 11.1 (b)	Please Confirm Demolition of existing units is in bidder's scope.	Bidder's Scope
104	SCC	Pg. 194 of 379	Article 11. General Cl. 11.1 (b)	Please furnish details of existing STP along with drawings, to plan demolition in accordance with specified clause ("planned & phased manner so that one unit of existing STP continues to be in operation till one unit of new STP is ready to take over the incoming flow").	Survey and Design comes in Bidder's Scope

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
105	11.1. Description of Design-Build Services: For STP b. Demolition of existing units in a planned and phased manner so that one unit of existing STP continues to be in operation till one unit of new STP is ready to take over the incoming flow	194 of 379	Article 11	We assume that the Demolition of existing structure of STP is in Contractor Scope. Please confirm. We request you to provide details of Existing Structure with drawing.	Yes. Demolition of the structure is in Bidder's Scope. Refer ITB Section 2 and Article 12 of Schedule 2 in conjunction with other relevant clauses wherein Bidders are advised to visit and inspect the site and their surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid.
106	Schedule 2	194 of 379	11	It is mentioned as "Demolition of existing units in a planned and phased manner so that one unit of existing STP continues to be in operation till one unit of new STP is ready to take over the incoming flow".  Kindly provide the details of existing STP (Layout, HFD, Individual structure's General Arrangement drawing). Also provide the location and the space availability for disposal of sludge of existing STP and the debris due to demolition. The Owner shall be responsible for acquiring land for the same – Kindly confirm.  We understand that all units of existing STP including lagoon1, lagoon 2, fish pond to be completely demolished after construction of new STP. Please confirm.	The bid conditions are self explanatory. Tentative site layout Plan for STP is attached
107	Schedule 1 SCC Article 11. General 11.1 Description of Design build services.	194 of 379		Please clarify the term reuse infrastructure mentioned in the scope of work. We understand that re use infrastructure entails the provision of a outlet/opening/control valve at the treated water channel/pipe.	The bid conditions are self explanatory. Please refer to Bid Data Sheet, clause 3.3.(b)
108	Sch. 2, Design Build Services Schedule (DBSS) General mechanical equipments	Pg. 195 of 379 Pg. 326 of 379 & Pg. 371 of 379	Article 12, Cl. 12.1.8 Section 13	Please confirm that Article 12, Cl. 12.1.8, according to which the bidder can propose best possible cost-effective system for sludge handling and dewatering, over-rules Cl 1.1 (i) at pg. 326 & pg 371 which states the types of dewatering equipment.	Clause 12.1.8 prevails
109	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 195 of 379	Article 12, Cl. 12.1.1 Design and Engineering	For design and fair evaluation of bid, please specify the values of the critical parameters like Temperature, pH, BOD, COD, TSS, VSS, TKN, Ammonical Nitrogen, Nitrate, Total Phosphorous, Fecal Coliforms etc.	Please refer to the relevant clause of the bid document.
110	ARTICLE 12. DESIGN SERVICES	195 of 379	12.1. General 12.1.1. Design and Engineering Inlet Parameters	We request you to provide the design values instead of range as provided in the bidding documents to avoid any speculation of design value so to bring all bidders at par.	Bid condition prevail

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
111	DESIGN SERVICES For STP Design and Engineering The indicative influent parameters to be considered for design shall be as mentioned below for domestic sewage.	195 of 379	ARTICLE 12. /12.1.1.	Parameters given by you is not specific, please confirm the specific value of each parameters for designing of STP and also help for choosing optimum technology and costing. Please provide Lab Test Report of Raw Sewage. Please confirm.	Bid provisions are self-explanatory as to owner's requirement and shall prevail.
112	Raw sewage characteristics	Page No 195 of 379	12.1.1 Design and Engineering	In IFB given range of parameter for design of STP. We presume that the biological system shall be designed for average values which shall be capable of treating the parameters within the prescribed range. Kindly Confirm.	As per latest CPHEEO manual
113	Schedule 2	195 of 379	12	Kindly provide the design value for each of the inlet parameter, since the values are mentioned in ranges.  Also, provide the Sewage temperature to be considered for design.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
114	Page no 195 of 379 12.1.1 Design and engineering	195	Raw sewage characteristics	In IFB given range of parameter for design of STP. We presume that the biological system shall be designed for average values which shall be capable of treating the parameters within the prescribed range. Kindly confirm.	The bid conditions are self explanatory
115	Proposed treatment scheme i. Electrical substation ii. Adequate lighting to all the units. iii. Fire-fighting equipment as per state Government department of Fire services iv. Environmental, Social, Health and Safety Plan (ESHS) management Plan must be incorporated for the management of all staff and activities undertaken in construction and O&M of the STP. v. Provisions for power generation units (if power generation is found feasible), engine rooms with gas engines and accessories.	196 of 379	12.1.2.	V. Please confirm whether to provide Power Generation or not. If Power Generation is mandatory, Primary Sludge is necessary for Power Generation for this Primary Clarifier is required. Please Confirm.	Bid provisions are self-explanatory as to owner's requirement and shall prevail.

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
116	Power Generation	Page 196 of 379	12.1.2. Proposed treatment scheme	We understand that, power generation is not mandatory for STP; bidder can explore the possibility of power generation. Kindly confirm.	Yes, the bid conditions are self explanatory
117	12.1.4. Provision of Modular Construction for Sewage Treatment Plants All the treatment units shall be designed and constructed for their respective flows / capacities mentioned in these technical specifications and shall be constructed in suitable modular or treatment train capacities. The minimum number of modules or treatment trains and the minimum number of each unit process component required shall be provided to facilitate O&M. Wherever no modular approach and stand by equipment is being proposed, the Operator will provide proper justification and certify that the proposed system will fulfill effluent design standards and other safeguards in all possible flow fluctuations.	197 of 379	12.1.4	Please provide the details of Modular Construction of STP. Like is it for SBR unit or Receiving Chamber.	The design of Plant components is in bidder's scope.
118	12.1.4	197 of 379	12	It is mentioned as "The minimum number of modules or treatment trains and the minimum number of each unit process component required shall be provided to facilitate O&M."  Kindly provide the number of modules and the design flow for each module to be considered.	The design of Plant components is in bidder's scope
119	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 198 of 379	Article 12, Cl. 12.1.9	Please confirm the Treatment Technologies allowed & their criteria for acceptance.	The bidder shall have to propose technology as per the bid conditions.
120	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 198 of 379	Article 12, Cl. 12.1.7	Please also allow other method of disinfection along with UV technology, like Chlorination, Ozonation etc.	The bid has is to be technology neutral. Any technology as per proposed design is allowed.
121	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 198 of 379	Article 12, Cl. 12.1.6 Flow Measurement	Flow meters on each raw sewage pump and also on the common discharge header of the same pumps will un-necessarily duplicate the expensive instruments and size of the pump house. As per the general practice, Flow Meter only on the common discharge header should be adequate for the purpose and there is no need for flow meters on all pumps. Please confirm.	Please refer SN 16 of Addendum-1

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
122	All pumps shall be provided with flow meters and an ultrasonic flow transmitter shall also be provided in the common header of the raw sewage Pumps.	Page No. 198 of 379,	Clause 12.1.6 Flow Measurement	Individual flow measurement is not essential for the Raw sewage transfer pump an ultrasonic flow transmitter shall be provided on the common header of the raw sewage Pumps. Kindly Confirm.	Please refer SN 16 of Addendum-1
123	Flow Meters	Page 198 of 379	12.1.6. Flow Measurement	All pumps shall be provided with flow meters. Please reconfirm if flow meter is required for small sized pumps/dosing pumps also.	Please refer SN 16 of Addendum-1
124	Schedule 1 SCC Article 12. Design Services 12.1.6 Flow Measurement	198 of 379		It is a common practice to measure the flow at the common header instead of individual pump discharge. Kindly confirm one flow meter at the common header with a Ultra sonic transmitted will suffice instead of flow meters for each individual pumps.	Please refer SN 16 of Addendum-1
125	Page no 198 of 379, Clause 12.1.6 Flow Measurement	198	All pumps shall be provided with flow meters and an ultrasonic flow transmitter shall also be provided in the common header of the raw sewage pumps.	Individual flow measurement is not essential for the Raw sewage transfer pump an ultrasonic flow transmitter shall be provided on the common header of the raw sewage Pumps. Kindly Confirm.	Please refer SN 16 of Addendum-1
126	12. DESIGN SERVICES d. The process design of various units shall be done as per the norms prescribed in the CPHEEO Sewerage Manual (Latest Edition). If no guidelines are mandated by CPHEEO for a certain component, the OPERATOR shall demonstrate that the guidelines being adopted are based on past successful experiences in similar situations and conform to best engineering practices.	198 of 379	12.1.9	We request you to specify the treatment units of STP and their quantities with technical specifications. Like Receiving Chamber Quantity, Coarse Screen Qty, Fine Screen Quantity, Grit Removal Quantity, Primary Clarifier, SBR Quantity, Disinfection Unit Quantity and Ancillary Building and Platform Details for DG etc. Sewage Treatment Plant Layout and operation sequence.	The design of Plant components is in bidder's scope
127	The process design of various units shall be done as per the norms prescribed in the CPHEEO Sewerage Manual (Latest Edition).	198 of 379	Clause 12.1.9 Design Criteria	We understand that, the biological treatment unit shall be designed as per latest CPHEEO manual recommendations. Hence, treatment technologies which are mentioned in latest CPHEEO manual are only acceptable. Kindly confirm.	Yes Confirmed
128	Tender Document	12.1.5	Receiving Chamber Design	Kindly specify the Type of the inlet chamber. Kindly specify sewage detention time for inlet chamber.	The design of Plant components is in bidder's scope



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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
129	General	198/379	12.1.5	"Raw Sewage will be delivered through 1600 mm dia with invert level of 43.289 m at the ground level of 48.515 m. into a Receiving Chamber to be constructed in this contract and from where it will be taken into downstream screens" – Ground level of 48.515 m - Is it the natural ground level to be considered at STP and MPS site?	The design of Plant components is in bidder's scope
130	, clause 12.1.9 Design criteria	Page no 198 of 379	The process design of various units shall be done as per the norms prescribed in the CPHEEO sewerage manual (latest edition).	We understand that, the biological treatment unit shall be designed as per latest CPHEEO manual recommendations. Hence, treatment technologies which are mentioned in latest CPHEEO manual are only acceptable. Kindly confirm.	Yes confirmed that CPHEEO guidelines and best engineering practices shall be followed.
131	Sch. 2, Design Build Services Schedule (DBSS)	Pg. 199 of 379	Article 12, Cl. 12.1.11	Please confirm that as per latest directives issued by CPCB, the bidder shall also guarantee the effluent discharge standards with TSS < 10 mg/l and Total Phosphorus < 2 mg/l, and that the treatment process should comprise of technology with Biological Nutrient Removal (BNR) Process for the removal of soluble Nitrogen and Phosphorus pollution and the Tertiary Filtration for the removal of residual Nitrogen and Phosphorous attached to the suspended solids so that CPCB directives for effluent discharge standards are met consistently in spite of normal variations in the sewage quality and treatment process.	Please refer SN 19 of Addendum-1
132	Effluent Discharge Standards for Sewage Treatment Plant. pH – 6.5 to 9.00 BOD < 10 mg/l COD < 50 mg/l TSS < 20 mg/l TN < 10 mg/l NH4-N < 5 mg/l Fecal Coliform – 100 MPN/100 ml	199 of 379	Clause 12.1.11 Design Responsibilities	As per directives issued by CPCB for Patna city under letter dated 09/10/2015 and directives issued by CPCB to State Pollution Control Board under letter dated 10/03/2017 for restoration of water quality of River Ganga, all parameters are considered except TSS which should be less than 10 mg/l and Total Phosphorus less than 2 mg/l. Which will necessitate anoxic treatment for removal of Nitrogen and Phosphorous. Kindly confirm the treated sewage parameters accordingly. Kindly Confirm.	Please refer SN 19 of Addendum-1
133	clause 12.1.11 Design responsibilities	Page no 199 of 379,	Effluent Discharges Standards for Sewage Treatment plant. PH-6.5 to 9.00 BOD < 10 mg/l COD < 50 mg/l TSS < 20 mg/l TN < 10 mg/l NH4-N < 5 mg/l Fecal coliform- 100 MPN/100 ml	As per directives issued by CPCB for Patna city under letter dated 09.10.2015 and directives issued by CPCB to State pollution control board under letter dated 10.03.2017 for restoration of water quality of river ganga, all parameters are considered excepts TSS which should be less than 10 mg/l and total phosphorus less than 2 mg/l. Which will necessitate anoxic treatment for removal of Nitrogen and Phosphorous. Kindly confirm the treated sewage parameters accordingly. Kindly confirm	Please refer SN 19 of Addendum-1
134	Schedule 1 SCC Article 12. Design services 12.1.13 Designs Consideration	201 of 379		Kindly provide the details of the existing infrastructure and the trunk sewer system that the STP shall be connected to including drawings capacities and sizes to understand the scope clearly.	Bidder's Scope

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
135	Sch. 2, Design Build Services Schedule (DBSS) Sch. 10, Technical specifications for Construction and O&M phase	Pg. 202 of 379 Pg. 302 of 379	Article 12, Cl. 12.3 (f) Cl. 4.2 (a)	We understand that on each side of the 3.75 m wide Internal Roads, shoulders with minimum of 0.75 m width are also to be provided.	Bid conditions are self explanatory
136	Main road connecting to various units shall be of 7 m carriageway, whereas interlinking roads shall be 3.75m wide  a. 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. Vehicular access shall be provided for all Plant structures and buildings.	Page No. 202 of 379 Page No. 302 of 379	12.3. Sewage Treatment Plant Layout and operation sequence 4.2 Roadways, Pathways & Hard standings	We presume that, 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. Vehicular access shall be provided for all Plant structures and buildings Kindly Confirm.	The bid conditions are self explanatory
137	Sewage Treatment Plant Layout and operation sequence	202/379	12.3	"...main road connecting to various units shall be of 7 m carriageway, whereas interlinking roads shall be 3.75m wide" – This is contradictory to what is mentioned in serial no. 3, please confirm. Pathway details were not found in the tender.	The bid conditions are self explanatory
138	Page no 202 of 379 12.3. Sewage Treatment Plant layout and operation sequence Page no 302 of 379 4.2 Roadways, pathways & Hard standings	202	Main road connecting to various units shall be of 7 m carriageway, whereas interlinking roads shall be 3.75m wide a. 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. Vehicular access shall be provided for all plant structures and buildings.	We presume that, 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. Vehicular access shall be provided for all plant structures and buildings. Kindly confirm	The bid conditions are self explanatory

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
139	12.3. Sewage Treatment Plant Layout and operation sequence k. Proposed STP shall include but not be limited to the following criteria: i. The disinfected effluent shall be discharged in to the receiving water body through a suitable outlet channel and should be designed for the appropriate peak flow from the STP (. A suitable flow meter preferably ultrasonic electromagnetic shall be provided for measuring the flow through the outlet channel.	203 of 379	12.3	Please provide the distance of Discharge Channel from STP Site to Receiving Water Body.	Please refer to SN 2 of Adendum 1.
140	k. Proposed STP shall include but not be limited to the following criteria: ii. Sludge Handling 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 operate the STP, agriculture manure, making stabilized clay bricks, etc.	203 of 379	12.3	Please confirm the Power Generation.	The bid conditions are self explanatory
141	k. Proposed STP shall include but not be limited to the following criteria:iv. For the disposal of Grit and screening materials, solid waste etc., the same shall be disposed of by the operator at his own cost at the site Designated by the Owner.	203 of 379		Please provide the details of distance from STP to Dumping yard for disposal of GRIT and SCREENING MATERIAL.	Waste and sludge shall be disposed at Ramchak Baria or at suitable land.
142	vi. Perimeter buffer zones;	Page No 203 of 379	12.4 Designation of 97 MLD STP on Site Areas for Other Uses	Request you to kindly confirm the perimeter buffer zones around the STP.	Bidder's Scope

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
143	Schedule 1 SCC Article 12. Design Services 12.3 Sewage treatment plant layout and operation sequence K iii	203 of 379		Disposal of grit and Screening material is in the scope of the operator. However the disposal location for screening and grit is not provided in the tender document. Kindly provide the same.	Please refer to Bid Data Sheet, Clause 3.3 (b)
144	Schedule 1 SCC Article 12. Design services 12.4 Designation of 97 MLD STP on site areas for other uses	203 of 379		Please provide the standard specifications and drawings for staff quarter Type A for reference.	The design of Plant components is in bidder's scope
145	Page no 203 of 379 12.4 Designation of 97 MLD STP on site areas for other uses	203	Vi. Perimeter buffer zones;	Request you to kindly confirm the perimeter buffer zones around the STP.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
146	DESIGN SERVICES	Cl.No 12.7 Pg No 204 of 379	The Operator shall make use of solar photovoltaic cells for electricity generation (minimum 1000 watts for STP to take care of internal lighting, fans etc)	Kindly confirm the below mentioned points regarding solar. 1. Maximum generation capacity to considered 1000W as per NIT. 2. PV Solar panel proposed to be installed both land & roof mounting. 3. PV solar panel will be proposed no adjustable panel structure, hence PV solar panel are fixed type.	The bid conditions are self explanatory. 1000 W is the minimum requirement
147	Surface and Ground Water Management	204/379	12.5 (a)	"plan and Design the surface drainage at the Site of STP with adequate water drainage channels, pipes, sewers, structures and appurtenances, adequate to manage the highest seasonal levels and volumes of storm water" Above statement is contradictory with the statement of section 5.1 (a) at page 303/379 of tender where it is asked to design for rainfall of 50mm/hr and 100% runoff. Please confirm?	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
148	Sch.2, Design Build Services Schedule (DBSS)	Pg.205 of 379	Article 12, Cl. 12.7 (f)	Please confirm the Quality of water required for 20% to 100% reuse of treated effluent.	The clause is self explanatory
149		Page 205 of 379	Re use of treated water	Please provide the required parameters for Re use of treated water	As per Latest CPHEEO manual
150	Document Review	206/379	13.2.2	"The Operator shall review the Design-Build Documents and shall report promptly to the Owner any error, inconsistency or omission the Operator may discover. If the Operator does discover any error, inconsistency or omission in the Design-Build Documents, the Operator shall not proceed with the work affected until the Operator has corrected any such errors or inconsistency or supplied any missing information and these corrections have been approved in writing by the Owner." Timeline for review and approval is not mentioned, kindly confirm.	Time line shall be decided considering milestone of the project.
151	ITB 3.3(e)(2)(i)	49 of 379	ITB	Reuse standard varies with application and similarly treatment process too. So request you to provide particular application. Kindly provide the characteristic of each parameter to be considered for reuse.	The bid conditions are self explanatory

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
152	Schedule 3	240 of 379	2.2	Please provide the Inlet parameters to be considered for power guarantee purpose. (Normal condition or Adverse condition)	The bid provisions are self explanatory
153	Sludge Quality Standard	Page 240 of 379	2.1.3. Treated Sludge Disposal	Please provide Treated Sludge Disposal Quality for design purpose.	Please refer SN 20 of Addendum-1
154	Sch. 4- Site and Site Area	Pg. 265 of 379	Summary of Geotechnical Investigation Report	Please provide detailed soil investigation report including details of bore log, depth of water table & soil analysis etc.	The values provided are indicative. Detailed soil investigation is in bidder's scope.
155	Geo Tech Report	265/379		Kindly confirm the bearing capacity is applicable to all isolated, strip or raft. Kindly mention the allowable settlement value for each type of foundation.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
156	Geotechnical Investigation report	265	Geotechnical Investigation report	Pl. provides the soil investigation report/ recommendations for foundation design. Also provide ground water table depth.	Bidder's Scope
157		Page no268 of 379	Mobilisation Advance: Advance payment as an interest free loan for mobilisation and cash flow support for an amount equal to 10% of the Design-Build price as stipulated in the contract shall be paid to the Operator against 'Bank Guarantee for Advance payment' for the same amount in two installments as under subject to the provisions of this contract. (i) 5% within 30 days of effective date of contract; and (ii) 5% on mobilization at the site including setting up of the operator's office, deployment of manpower and machinery & equipments for construction.	request to provide 10% in single installments.	Bid condition prevail
158	Sch. 6, Terms & Procedure of Payment	Pg. 272 of 379	Article 1, Cl.6 Certification of payments by Design-Build Operation Engineer	Please clarify, whether additional O&M charges will be payable on 'quarterly' basis (Paragraph 6 of Schedule 6) or 'monthly' basis (Paragraph 4 of Schedule 6).	Bid condition prevail
159	Schedule - 6, Terms and Procedure of Payment	273 of 379	Article 7, Cl. 7.2 (b)	Guaranteed Energy Consumption for the actual level of effluent handled by the STP will be calculated based on the energy consumption/MLD for the relevant year of the O&M period as quoted in the Operator's Price Schedule incorporated in Schedule 5 of the Contract  Please clarify that Since the Energy Consumption Charges are borne by the Operator himself during the O&M Period, then why shall the Operator have to provide Gauranteed Energy Consumption and in what form as the Schedule 5 of the Contract is not existing.	Please refer SN 21 of addendum-1

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
160	7.2 Adjustment for Variation in Electricity Tariff	273 of 379	ARTICLE 1. Terms And Procedure of Payment	We understand that the Power Cost as mentioned in the price bid during O&M is for evaluation purposes only and power charges on actuals (paid by the operator i.e. contractor) will be reimbursed to the contractor for the electricity consumed up to the ceiling of guaranteed energy consumption figures (subjected to the adjustment of electricity tariff) evident by electricity bills. Kindly confirm	The bid conditions are self explanatory
161	Price Adjustment		Price adjustment for capital and O&M Phase	Kindly add the below clause for: Any changes in the taxes due to change in legislation or for any other reason shall be payable to the contractor extra at actual by Bihar Urban Infrastructure Development Corporation Limited for construction and Operation Phase.	Clause 8.10 on page 165 is self explanatory in this regard.
162	Schedule - 8, Price Adjustment	277 of 379	Article 7, Cl. 7.2 (b)	We request you to please incorporate the provision of Price Adjustment in O&M Period of the tender.	The bid conditions are self explanatory
163	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 291 of 379	Civil works, Cl. 1.5	Please confirm that for the design of Liquid retaining structures, Bidders are allowed to choose Structural Design Method (Limit State or Working Stress) as per latest IS 3370: 2009 and for all other buildings as per IS 456: 2002.	The bid conditions are self explanatory
164	Water Retaining Structures	291/379	1.5	"Liquid retaining/conveying structures including the members covering the same (such as roof of a chamber, channel etc.) shall be designed by uncracked method of design as per BIS: 3370 and 6494." Can we design by Limit State Method as per latest code of IS 3370 with allowable crack width of 0.2mm, please clarify ?	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
165	Water Retaining Structures	291 & 292/379	1.5	"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." "The walls and base slabs shall be designed for saturated earth/water pressure corresponding to high flood level or finished plot level whichever is higher." "For design purpose, sub soil water level is to be considered as 2 meter 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." Above statements are contradictory. Kindly confirm the design water table very distinctly?	The bid conditions are self explanatory. The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
166	Water Retaining Structures	291/379	1.5	<p>"Minimum temperature and shrinkage reinforcement shall be 0.3% in each direction." It seems higher than as per latest IS456 and for water retaining structure minimum % reinforcement would be governed by IS3370. Kindly confirm</p>	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
167	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 292 of 379 & 300 of 379	Civil Works, Cl. 1.6	<p>As per Bidding Document on page 292 "Plinth level of all structures/ top of tanks shall be at least (1000) mm above high flood level", whereas, on page 300 it is "Building plinth shall be minimum 450 mm above average finished ground level around building or high flood level whichever is more." Please confirm plinth level to consider for design purpose.</p>	The more stringent condition or requirement shall prevail.
168	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 292 of 379	Civil Works, Cl. 1.7	<p>As per Tender Document at page 292 clause 1.7 it is stated that "All liquid retaining structures shall be designed as per IS: 3370. The minimum grade of concrete shall be M30 using Sulphate resistant Cement", whereas, at page 306 it is stated that "Cement shall be ordinary Portland cement as per I.S. 269 or Sulphate Resistance Cement as per IS 12330". Please confirm bidder can use Ordinary Portland Cement of Grade 43 which is standard practice.</p>	Clause 1.7 prevails for liquid retaining structures.
169	Foundation	292/379	1.6	<p>"Plinth level of all structures/top of tanks shall be at least (1000) mm above high flood level." Above statement is contradictory with the statement of section 4.1 at page 300/379 of tender where it is only 450mm above average FGL. Please confirm?</p>	The more stringent condition or requirement shall prevail.
170	Design Requirements	292/379	1.7	<p>"All Buildings, Pipe Pedestals, Thrust Block, Pump Foundation &amp; other structures shall be designed as per IS-456. The minimum grade of concrete shall be M20." Kindly confirm since as per latest IS456 minimum grade for moderate exposure is of M25.</p>	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
171	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 293 of 379	Civil works, Cl. 1.7	<p>The Tender specified minimum thickness are very conservative/overdesigned compared to the standard practise i.e. i) Base Slab 350mm; whereas standard practice is 250mm; ii) Footing at the face of column 450 mm; whereas standard practice is 250mm; iii) Beam width 300mm; whereas standard practice is 250mm. Please review and confirm the minimum thickness to be considered.</p>	Bid condition prevail
172	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 296 of 379	Civil works, Cl. 2.1 & 2.3	<p>As per clause 2.1 "Minimum cement consumption for RCC M20 shall be considered as 350 kg/cum and for RCC M25 shall be 380kg/cum." Whereas as per Clause 2.3, minimum Cement Content for reinforced concrete shall be followed as per IS 456: 2000. Please confirm, that bidder to follow IS 456 :2000 for buildings and IS 3370 :2009 for water retaining structures.</p>	Bid condition prevail

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
173	Cement	296/379	2.1	<p>"The Cement shall be Sulphate Resistant Cement grade - 43 in all water retaining structures and SRC 43 grade cement for other structures, confirming to the relevant B.I.S. codes and approved by the Owner's Representative."</p> <p>Above statement is contradictory with the statement of section 12.2 (a) at page 306/379 of tender about type of cement. Please confirm the type of cement?</p>	Clause 1.7 prevails for liquid retaining structures.
174	Buildings and Structures	298/379	4.1	<p>Provisions of toilets are mentioned in tender.</p> <p>Kindly Confirm each toilet block will have both Gents &amp; Ladies?</p>	Yes
175	Buildings and Structures	300/379	4.1	<p>Dimensions of Tread and riser for staircases are not clear, kindly confirm?</p>	The design of Plant components is in bidder's scope
176	Buildings and Structures	300/379	4.1	<p>"All hand railing shall be provided with G.I "C" Class Pipe confirming to latest Indian standards. The minimum height of hand railing shall be 1m."</p> <p>Spacing between Posts of handrail is not clear, kindly confirm</p>	The design of Plant components is in bidder's scope
177	ORIENTATION	302/379	4.2	<p>"All roads shall be of asphalt macadam and minimum 3.75 meters wide" –</p> <p>This is contradictory to what is mentioned in serial no. 2, please confirm. Pathway details were not found in the tender</p>	The bid conditions are self explanatory
178	Buildings and Structures	302/379	4.1	<p>I) "Toilet blocks in process buildings and control blocks shall be provided with a sink with two drinking water taps of 20 mm size with adequate inlet and outlet connections."</p> <p>Kindly Confirm each toilet block will have both Gents &amp; Ladies?</p>	yes
179	Approach Road	Page 302 of 379	4.2 Roadways, Pathways & Hard standings	<p>Please clarify whether approach road to STP is to be provided, if so please provide the length of approach road required.</p>	In bidder's scope.
180	Civil Works	302	5.1-Storm Water Drainage	<p>Kindly provide the Tie in Point for connecting Storm water drainage to outfall.</p>	Query not clear.
181	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 303 of 379	Civil works, Cl. 7, (a)	<p>As per the referred clause "R.C.C ducts for drainage shall have minimum 1 metre pre-cast cover (M20 concrete, Heavy duty) while laid under roads". However, as per standard practice, RCC ducts for drainage have earth cover while laying under the road. Kindly confirm same shall be acceptable.</p>	RCC Ducts for drainage shall be based on the rainfall intensity and storm water data during detail engineering.
182	Cable and Pipe work Trenches	303/379	6	<p>"The trenches will be 20mm thick plastered internally with cement mortar (1:4) and externally in cement mortar (1:3)."</p> <p>Finishing (Plaster or pointing)of external surface of trenches is not clear with respect to FGL, Kindly clarify.</p>	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
183	Storm Water Drainage pipes and ducts	303/379 303/379	5.1 7	<p>"Drains adjacent to roads shall be in stone masonry in CM (1:4) of appropriate thickness ....."</p> <p>"All drains (except storm water drains adjacent to roads) shall be covered and designed structurally for appropriate loads."</p> <p>Please confirm storm water drain will be of masonry and without cover and all other drains will be of RC with precast RC cover.</p>	Covered RCC Drain shall be constructed



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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
184	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 306 of 379	Civil works, Cl. 12.4	Please confirm the bidder can use Fe 500 TMT (Corrosion resistant steel).	As per Bid provision
185	Protective Epoxy Paint Treatment:	308/379	12.15	"Epoxy Paint of standard specifications manufactured/purchased from a reputed firm approved by IS shall be applied to the outside Concrete surface of R.C.C. Underground sump and all mild steel works within and near the sump." Extension/Depth of Outside paint is not clear with respect to FGL. Kindly Confirm.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
186	l) Flow measurement shall be provided at all chemical dosing lines as well as Air Blower discharge lines.	Page No. 324 of 379	1. General engineering specifications and practice for Electro-mechanical Works.	Normally, flow meters on Chemical dosing lines and blowers are not provided. These flows are constant and will be controlled by parameters like running time of pump, DO level in basin etc. with the help of PLC/SCADA. Hence, the above instruments are not required. Kindly confirm.	Best Industrial practices to be adopted
187	Page no 324 of 379 section 13 1. General engineering specifications and practice for electromechanical works.	324	1) Flow measurement shall be provided at all chemical dosing lines as well as Air Blower discharge lines.	Normally, flow meters on chemical dosing lines and blowers are not provided. These flows are constant and will be controlled by parameters like running time of pump, Do level in basin etc. with the help of PLC/SCADA. Hence, the above instruments are not required. Kindly confirm.	Best Industrial practices to be adopted
188	Sch. 10, Technical specifications for Construction and O&M phase	Pg.326 of 379	Section 13, Technical specifications of mechanical works for the proposed STP Cl. 1.3.1	Please specify the type and size of the screens.	The design of Plant components is in bidder's scope
189	Tender Document	Section 13 1.3.1	Design of Main Pumping Station	The average flow and peak flow have been mentioned in the ITB. But it has not been categorically mentioned whether these are intermediate average flow / ultimate average flow and average peak flow/ultimate peak flow. Kindly specify peak factor, intermediate average flow, and ultimate average flow.	The bid conditions are self explanatory
190	Sch. 10, Technical specifications for Construction and O&M phase	Pg. 334 of 379	Article 13, Cl. 1.3.7 Air Blower	Please confirm Centrifugal Blowers of High Speed Single Stage Turbo Type are also acceptable.	The design of Plant components is in bidder's scope
191	Sch. 10, Technical specifications for Construction and O&M phase	Pg. 334 of 379	Article 13, Cl. 1.3.7 Air Blower	Please confirm that speed of the motor for Centrifugal Blowers shall be as per the requirement of the Blower Manufacturer.	The design of Plant components is in bidder's scope
192	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 334 of 379	Section-13, Cl. 1.3.9	Please provide the DG Set Design criteria: like back-up time, diversity factor, load factor and total loading (Only emergency load or full load capacity) etc. so that bidder can design D G set as per employer's requirement.	Design criteria has been specified in clause 1.4.6. Also, please refer to SN 17 of addendum-1.
193	page no 334 of 379 1.3.7 Air blower	334	Air Blower shall be either of positive displacement or centrifugal.....	We presume that bidder shall provide the positive displacement or High speed turbo, single centrifugal blowers Kindly confirm.	The design of Plant components is in bidder's scope

**PRE-BID QUERIES REPLY PAHARI STP SCHEME**

S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
194	page no 334 of 379 1.3.7 Air blower	334	The motor speed shall not exceed 1500 rpm.	We understand that the motor speed (rpm) of high speed turbo blowers shall be as per manufacturer's standard, i.e. 20,000 RPM - 30,000 RPM. Kindly confirm	The design of Plant components is in bidder's scope
195	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 335 of 379	Section-13, Cl. 1.4.1	Please confirm, all the starter components shall be as per type-2 coordination.	Bid condition prevail
196	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 335 of 379	Section-13, Cl. 1.4.1	In specification, against 11 KV HT fault level 26.2 KA, it is mentioned that "11 KV HT fault level 50KA is amended to read as follows" We feel that this is typographical error and it should be 11 KV HT fault level 26.2 KA, instead of 11 KV HT fault level 50KA. Please confirm. "Fault Level for Low voltage shall be 50KA" Please confirm.	Yes Confirmed. But design is in Bidder's Scope
197	Technical specifications of Electrical Works	Cl.No 1.4.1 Pg No.335 of 379	11 KV HT Power is available at existing STP site	1. We presume that single circuit 11KV power supply shall be obtained from the existing STP site. Kindly confirm. 2. Kindly furnish the approximate distance from the existing STP to proposed STP. 3. We presume that Transformer is to be provided with 100% standby as spare and HT panel is to be provided with one incomer VCB and two outgoing VCB for working and spare transformer. Kindly confirm.	1. 11 KV line shall be made available in the STP campum by client. 2. Proposed STP is in the existing STP site. 3. There is no requirement of stand by transformer and transformer rating shall be based on load requirement.
198	Technical specifications of Electrical Works	Cl.No 1.4.1 Pg No.336 of 379	The fault level to be considered is 50 KA for 1100 KV source Voltage	As per relevant Indian Standard. We are considering Fault level of 50 kA for 415V System and 26.25 kA for 11 kV System. Kindly confirm.	As per best engineering parictices.
199	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 343 of 379	Section-13, Cl. 1.4.3.12	Please provide the detail specification/ data sheet for selection/ designing of transformer: like power factor, diversity factor, load factor and contingency etc.	The design of Plant components is in bidder's scope. Also refer Clause 1.4.7, page no 356.
200	Technical specifications of Electrical Works	Cl.No 1.4.6 Pg No.355 of 379	Specifications for Diesel generating set	1. We presume that the proposed DG set is of outdoor type and no separate room is required. Kindly confirm. 2. Diesel Generator set shall be designed to run MPS pumps and critical loads of STP only, not 100% standby. Kindly confirm.	1. Separate room shall be required for DG set. 2. DG set shall be designed to run MPS pumps and loads of STP.
201	Sch. 10 Technical specifications for Construction and O&M phase	Pg. 361 of 379	Section-13, 1.4.11	Please provide the required illumination levels per unit area for different building lighting and outdoor area lighting.	Bidder's scope and shall be as per relevant standards
202	List of Annexures	Pg. 375 of 379	Annexures 2 - Drawing	Drawings listed under Annexures 2 – Drawing (enlisted below) are missing in bidding documents. (i) Site layout plan for STP (ii) Treated effluent channel layout for ultimate disposal, size & section. (iii) Contour map of STP site Please provide above mentioned drawings in AutoCAD format for bidder to consider in their bids.	1. Tentative site layout plan of STP site is attached as annexure - 1. 2. Tentative effluent channel layout plan is attached as Annexure - 4. 3. Contour Map is in Bidder's Scope.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
203	List of Annexures	Page No 375 of 379		Annexure are missing in the tender document request you to kindly provide the same.	Tentative site layout Plan for STP is attached as ANNEXURE 1
204	Page no 375 of 379	375	list of Annexures	Annexures are missing in the tender document request you to kindly provide the same.	Tentative site layout Plan for STP is attached as ANNEXURE 1
205	Annexure 2 – Drawing	376 of 379		Kindly provide the Drawings as stated in Annexure - 2 Drawings 1. Site layout plan for STP. 2. Treated effluent channel layout for ultimate disposal, size and section 3. Contour map of STP site	Tentative site layout Plan for STP is attached as ANNEXURE 1
206	Annexure 2 – Drawing List of Drawings 1. Site layout plan for STP. 2. Treated effluent channel layout for ultimate disposal, size and section 3. Contour map of STP site.	376 of 379	Annexure 2	Drawings are not available either on Website or in Tender Document. Please provide.	Tentative site layout Plan for STP is attached as ANNEXURE 1
207	Annexure 2 – Drawing List of Drawings 1. Site layout plan for STP. 2. Treated effluent channel layout for ultimate disposal, size and section 3. Contour map of STP site.	376 of 379	Annexure 2	Drawings are not available either on Website or in Tender Document. Please provide.	Query repetition of Query no. 206
208	Annexure -2 'Drawing'	-	376	Please furnish the drawings as indicated in Annexure -2	Tentative site layout Plan for STP is attached as ANNEXURE 1
209		376 of 379	Annexure 2	Kindly provide the drawings as mentioned.	Tentative site layout Plan for STP is attached as ANNEXURE 1
210	Annexure -2 Drawings	376	Drawings	We are not able to locate the Contour map, Site Layout Plan. Kindly provide the same.	Please refer reply at sl no. 202.
211	Annexure -2 Drawings	376	Drawings	Kindly provide the layout showing the existing facilities to ascertain the dismantling required.	Tentative site layout Plan for STP is attached as ANNEXURE 1
212		Page no 376	Contour map of STP site	Please specify, the contour map	Bidder's scope
213	-	-	Drawings	Please provide Topographical Survey report & drawings of plant site.	Bidder's Scope

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
214	--	--	--	System Architecture drawing is not available, please furnish reference drawings having SCADA systems & number of DMA's & UGR's which are to be interface with wireless network. The same is needed for clarity.	Design of SCADA system and instrumentation is in bidder's scope. The question is not clear regarding what DMA's & UGR are referred here.
215		--	--	We understand, bidder is free to choose from reputed suppliers & manufacturers for for electrical and Instrumentation equipment. Please confirm.	Bid conditions are self explanatory
216	--	--	--	Please provide the detailed SLD's to understand the power flow for the proposed scope of work.	Bidder's scope and shall be as per relevant standards
217	General	-	-	It is observed in bidding document that at various places, the clause references are not matching. Please provide bidding document with correcting clause references to avoid any misunderstanding and different interpretation.	Query is not clear.
218	General	-	-	The currency exchange protection should be given for the imported equipment.	Bid condition prevail
219	General	-	-	The construction duration is 2.5 Years and O&M period is 15 years which are very long durations. We request for price adjustment provision for both construction and O&M durations linked to the WPI of RBI for labour, fuel, machinery, etc.	Bid condition prevail
220	General		Experience of Associate Company	We understand that Bidder can claim the experience of its parent company or its associate or subsidiary. Please confirm.	Associate means , in relation to bidder , a person who controls , is controlled by, or is under the common control with such bidder (the "Associate") . As used in this definition expression "control" means , with respect to a person which is a company or corporation , the ownership ,directly or indirectly , of more than 50% (fifty percent) of the voting shares of such persons, and with respect to a person which is not a company or corporation , the power to direct the management and policies of such person by operation of law or by contract. The Bidder is required to submit a certificate from the statutory authority for claiming the experience of the Associates
221	General		Detailed Project Report (DPR)	Since the specifications of some of the items are not clear in BOQ, We request you to kindly share Detailed Project Report (DPR) for our study	Bid condition prevail. Detailed specifications have been provided in Bid
222	General		Scope of Work - Existing Utility Shifting	We understand that any existing underground utilities (cables/pipes etc.) fall in ROW of proposed work shall be shifted by Authority/Others and is not the scope of Bidder. Existing utility shifting shall responsibility of Authority/Owner. Please confirm.	It is in Bidder's Scope. Buidco will facilitate.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
223	General		Permits and Clearances	We understand that all permits and clearances, consent to establish and operate, right of way etc. required to execute the project shall be provided by Authority. Please confirm.	It is in Bidder's Scope. Buidco will facilitate.
224	General		Payment Guarantee	There is no clause of Payment Security to the Operator safeguarding it's interest regarding timely payment of the Monthly charges  Request BUIDCO to add a clause regarding payment security mechanism in the form of an ESCROW account or a Letter of Credit to secure Opeartor's payment.	Bid condition prevail
225	General		Change in Law	In a tender of 3 years of Design Build and 15 years of operation and maintenance, the country could oversee a lot of variation in taxes and duties applicable on the project. This could have a huge financial implication on the project. Therefore request BUIDCO to kindly add the Change in Law clause to safeguard the Bidder against any changes in law over the period of the Contract.	Clause 8.10 on page 165 is self explanatory in this regard.
226			GENERAL	In case bidder does not have executed / designed plant of such outlet parameters then MOU with the Consulting firm (Only for technical) who has designed such plants with outlet parameters shall be eligible to participate. Kindly confirm.	Please refer to our reply to Query No. 1.
227			Operation & Maintenance	We understand that during trail run and operation and maintenance electricity charges shall be borne by the department. Kindly confirm.	The bid conditions are self explanatory. Please refer to clause 5 of Article 1 of Schedule 6 & clause 28 of Section 6 Schedule 10
228				In tender document detail specification of electromechanical items are not clearly mentioned, we understand that bidder is free to select as per latest norms & IS. Kindly Confirm.	Bid conditions are self explanatory
229				As per latest tenders like 50 MLD STP at Ramana of UPJN, 68 MLD STP at Jagjeetpur UKPJN which is monitored and controlled by NMCG in which anaerobic sludge digestion is mandatory so we understand the same is also applicable in this tender irrespective of technology adopted. Kindly confirm.	Bid condition prevail
230	Approved Vendor List.			Please provide approved make list if any.	The bid conditions are self explanatory
231	Boundary Wall			Please provide the details of Boundary Wall of STP Site.	Survey and design is in the scope of bidder.
232	General	-	-	Kindly request you to provide contour/spot level drawings of STP & MPS site covered in the scope of the tender in order to find out the NGL at sites:	The design of Plant components is in bidder's scope
233	General	-	-	Kindly furnish the FGL to be considered at STP site location.	The design of Plant components is in bidder's scope
234	General	-	-	Kindly request you to provide Soil report for all the proposed site in the scope of tender	Detailed soil investigation is in bidder's scope.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
235	General	-	-	Provide the HFL at STP & MPS locations	Bidder's Scope
236	General	-	Metering panel	We presume that Metering panel is not in bidders scope of supply, however bidder need to construct metering room to accommodate Client's metering panel. Kindly confirm.	Bidder's Scope
237	Tender Document		Screening system	* Kindly provide the Working + Standby configuration for mechanical screens * Type of screen (Coarse / Fine) (Bar width, bar spacing & bar thickness) * Kindly specify width of the screen chamber	The design of Plant components is in bidder's scope
238	Tender Document		Wet Well	* Kindly specify Sewage detention time at peak flow * Kindly specify Sewage detention time at average flow * Kindly specify operating volume depth for wet wall * Kindly specify the shape of the wet wall	The design of Plant components is in bidder's scope
239	Tender Document		Pumps for main pumping Station	* Kindly provide the Working + Standby configuration for Main pumping station pumps. * Kindly specify the maximum velocity of fluid in rising main of the pump	The design of Plant components is in bidder's scope
240	Tender Document		Design of Main Pumping Station	Kindly mention is there any provision of installing of gate in the inlet chamber outlet and screen chamber outlet.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
241	Tender Document		Design of Main Pumping Station	Kindly mention the method of fluid transportation in wet well.	Query is not clear.
242	Tender Document		Treated water Disposal	Kindly specify the disposal locations for each STP along with HFL & RL at disposal points.	Bidder's Scope
243	Tender Document		Fire Fighting System	Kindly mention that if there is any requirement of Fire Hydrant system and furnish its detail, if required.	Fire fighting system shall be as per relevant standards.
244	Tender Document		Fire Fighting System	Kindly indicate the type and locations where portable fire extinguishers shall be located.	Fire fighting system shall be as per relevant standards.
245	Tender Document		HVAC System	Kindly provide the temperature, specific humidity profile of the indoor & outdoor condition and wet bulb temperature.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
246	Tender Document		HVAC System	Kindly provide the type & volume flow rate of the ventilation fans.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
247	Tender Document		HVAC System	Kindly number of Air changes for odour control unit.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
248	Tender Document		General	Kindly specify the disposal locations for STP along with HFL & RL at disposal point.	Bidder's Scope
249	Tender Document		General	Kindly provide Bill of Quantities for the project.	This is DBOT contract hence survey, design, built, comes under the scope of contractor.
250	Tender Document		General	Kindly provide the proposed layout of the plant (in AutoCAD).	Tentative site layout Plan for STP is attached as ANNEXURE 1
251	Tender Document		Treated water Disposal	Kindly provide the MOC of the discharge pipe of treated water & its diameter	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
252	Tender Document		Treated water Disposal	Kindly confirm if the discharge of the treated water will be through gravity or any pumping required. In case, if pumping is required then Kindly furnish the pumping detail.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
253	Tender Document		Design of Main Pumping Station	Kindly provide the M.O.C of Bypass line of Main pumping station.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
254	Tender Document		Design of Main Pumping Station	Please mention the number of Motorised/manual Sluice gate at the inlet of Screen Chambers as well as the inlet of wet well.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
255	Tender Document		Design of Main Pumping Station	Please mention the requirement of exhaust fans (Locations & numbers)	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
256	General	-	-	Please provide the following details for the treated effluent disposal. 1. Diameter of disposal pipe 2. Pipe material 3. Ground levels 4. High Flood Level	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
257	General	-	-	Please confirm whether the disposal of treated effluent will be by pumping or by gravity.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
258	2	234 of 379	2.2	We understand that raw sewage is purely domestic sewage and no industrial effluent is mixed in raw sewage, kindly confirm.	The bid conditions are self explanatory
259			General	Requirement Working & Standby of all mechanical items shall be as per bidder's design. Kindly confirm.	Confirmed
260			General	Please provide the list of existing units, existing buildings to be retained as it is in the STP campus after construction of new STP.	Bidder's has to assure.

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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
261			General	Please provide the detailed specification, MOC for following item of STP, to keep all bidders at par. * Air blower * Degritter * Sludge return pumps * Filter press/ centrifuge * Disinfection system	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
262			General	Please provide the list of minimum drives to be connected to DG	Please refer to SN 17 of Addendum 1.
263			General	Firefighting system - We understand that firefighting system shall comprise of fire extinguishers and sand buckets only. And there is no need to provide fire hydrant system. Please confirm.	Fire fighting system shall be as per relevant standards.
264	General	-	-	As per the tender, technical specifications for PLC/SCADA systems are not specified. Thus contractor's standard specification shall be considered. Please confirm.	As per CPHEEO manual
265	General	-	-	Please provide the Instrumentation Approved Vendor List	After approval of design and drawing it will be decided
266	Qualification		General	We understand that the bidder should not have applied for CDR/SDR or facing follow up action for CDR/SDR. Please confirm our understanding	Bid condition prevail
267	Qualification		General	We understand that the bidder should not have been blacklisted/debarred from any state Govt/PDU/Central departments.	Bid condition prevail
268	Qualification		General	Technical Experience : our understanding is that technical experience means similar specification on selected process with BNR as stipulated in the bidding docs	Bid condition prevail
269			General	Power Generation unit may be mandatory in view of significant gas generation and its utilization. Power credit may be considered from power generation plant.	Bid condition prevail
270	General	-	-	Specifications of compound wall, main gate, access road are not specified in tender. Kindly specify.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
271	General	-	-	Requirement of any chemical/acid resistant flooring is not found in the tender, please clarify.	The design of Plant components as per latest manuals, standards and best engineering practices is in bidder's scope
272	Taxes & Duties		General	Kindly confirm our understanding that all taxes and Duties shall be replaced by one single Tax i.e. GST.	As per Gol guidelines.
273	C Form			We understand that GST shall be replacing requirement of C Form. Kindly confirm	As per Gol guidelines.
274	Contract Period		General	Kindly re-confirm our understanding that construction period of "for design, construction, testing, commissioning of the STP including MPS and allied works" is 30 Months along with 24 months defect liability period followed by O&M period of 15 years. Kindly confirm	The bid conditions are self explanatory



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S.No	Section Reference No.	Page No	Section or Article No	Bidder's Query	BUIDCo's Reply
275	Performance security			We request the department to kindly consider the release of performance security & ESHS Performance security @ 10% at the end of each year of completion of O&M of the plant. Kindly confirm.	Bid condition prevail
276	Retention			Our understanding is that there would not be any deductions from RA bills towards retention money. Kindly confirm.	Bid condition prevail
277	Schedule of Rates			Kindly confirm the year of State's "Schedule Of Rates (SOR)" referred for this project.	This being a DBOT contract, the design and costing of the works are under bidder's scope.
278	Drawings		<b>Drawings</b>	Kindly provide the drawing like Key Plan of STP site in a suitable auto cad format to ease the understanding during preparation of the technical proposal.	Please refer reply at sl no. 202. Autocad file is not available.
279	Key Plan		Drawings	Kindly provide the google earth file demarking the STP and effluent disposal point so that bidder can have clear view/understanding.	Tentative site layout Plan for STP is attached as ANNEXURE 1
280	Approved Make List			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.	It will be decided on later stage.
281	General			The drawings are mentioned but not uploaded on the website. Kindly provide the same in soft copies for reference.	Tentative site layout Plan for STP is attached as ANNEXURE 1
282	Tender Submission		Tender Submission upto 17.10.2017	We request authorities to please accord the request and extend the last date by 35 days after pre bid reply for the said project, falling which the tender submission may not be fruitful because all the bidder may not be able to submit the proper evaluated bid, which will defeat the purpose of calling tenders and getting competitive economical bid and bids shall be erratically quoted. Hence to get the competitive and workable bids you are requested to consider and undertake all our below submission & extend the time of submission for 35 working days for all the said tender.	Please refer SN. 1 of Addendum 1
283	Contract Agreement		Signing of contract agreement	Kindly clarify the contract agreement to be sign on stamp paper of Rs. 500 or to pay stamp duty, if yes then how much to considered.	As per Bihar Government norms
284		Page 181 of 379	The time for completion of the Design-Build services shall be 2.5 years from the effective date.	Request to extend it for 36 months	Bid condition prevail
285	General		Power and water during construction	Kindly confirm weather power and water during construction and operation phase will be provided by Bihar Urban Infrastructure Development Corporation Limited.	Bidder's scope
286			Environment clearance of the project	Please clarify, the status of Environment permission on project.	Environmental Clearance for the proposal is not necessary. However, the necessary application for renewal of consent to establish has already been made to the state pollution control board.
287		General	Treated effluent outlet parameter	Please clarify, the treated effluent outlet parameter.	As per latest CPHEEO manual