

Tender for STP at NIA- Pre-bid queries

Agency (1) -M/s Asmi Eco Equipments, Pune vide e-mail date-18.03.2021.

SN	Description of query	Comments from LIC
1	In absence of physical and common pre bid meeting of interested bidders, will the queries and answers of all bidders be published on your website?	Yes the Prebid clarifications will be uploaded in e-tender portal.
2	What will be the Battery limits for STP work for scope in tender?	Capacity shall be as per design requirements.
3	Should process tanks like ET, AT, SST etc be in Reinforced Cement Concrete (RCC)?	The underground structure shall be of RCC or Pre-fabricated factory made FRP STP Plant.
4	Clause testing and commissioning mentions "After assembly in the factory the Plant shall be tested under operating conditions". If tanks are to be in RCC, plant can not be assembled in factory. Required clarification on if plant tanks to be in fabrication or in RCC.	This provision may be deleted as it is not feasible to test the plant at factory.
5	Influent Characteristics mention BOD 300-600 mg/l and COD - 600 TO 900 mg/lit; For such high BOD and COD MBBR plant will not work according to MBBR theory. please suggest if inlet BOD, COD consideration can be reduced?	The STP proposed is for residential colony. Generally the BOD at influent from Residential usage is in the range of 300- 600 mg/lit. However the bidder may collect the sample from site and verify the BOD/COD.
6	Tender scope requires to obtain ALL statutory permissions. As per our knowledge permission of MPCB and PMC will be require. Does NIA require any additional authority permission?	For execution and operation of STP who-so-ever approvals are required, those approvals should be obtained. Of course, these approvals include approval from MPCB and PMC.
7	Above Permissions process itself take minimum 4 to 6 months to obtain final permission. In that case time limit of 3 months will not be sufficient including permissions period. Will time period be relaxed?	Tender Condition Prevails
8	Is it possible to physically visit site before bidding?	Yes, the Vendor can visit the site.

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Agency (2) -M/s Aquatech Engineers, Pune vide e-mail date-24.03.2021.		
SN	Description of query	Comments from LIC
1	We had completed tenders of WTP, RO, O & M of STP etc. We know design, civil & electromechanical details of proposed STP. As existing structure condition is good, we can use existing civil structure for new STP. So that cost of STP will reduced.	The new proposed STP of MBBR Technology will be catering services for next 15-20 years. For hasselfree working of new STP, we have taken a decision not to use the existing old infrastructure. Hence we may not make any modifications in scope of work.
2	We are having bank solvency certificate Dated: 30/03/2019. Solvency certificate need not to be renew as its not expired. Date validity is not mentioned & its not required.	The solvency Certificate should be latest with validity as mentioned elsewhere in tender document.
3	We have last 3 years turnover certificate. As per Pg. No. 5, Pt. B. Financial Strength –i it's not Feasible to mention average annual value of Engineering construction work in turnover certificate. As we do combine projects of engineering construction Civil+ Electrical\Electrical.	Annual average value of Engineering Construction works means the yearly value of contracts of supply, installation/erection testing commisioning of STP which includes cost of plant and other infrastructure. Suppose some agency is having other business or sale operations other than Contracts, then the annual turnover of other business/sales etc will not included in the Annual turnover figure to arrive at Annual Average value of Engineering Construction works.
4	Pg. No. 44. Of Defect Liability Period, its mentioned that "For Operation and Maintenance the contractor shall quote separately." Where we have to mention above cost.	Amended Price Bid is uploaded. The bidder need to quote separate amount for design/supply/Installation/ Testing/Commision of STP and for operation of STP.
5	"Prospective Bidders may note that Form Fee and EMD exemptions are for Micro and Small Enterprises only (duly registered as per MSE Guidelines)" this is mentioned on www.tenderwizard.com/NIA , on payment tab. So please confirm tender fee and emd is exempted or not.	Tender Condition prevails .

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6	In STP tender, FORM FOR PRE-QUALIFICATION OF BIDDERS- Point No. 14) i) - Enclose list of immovable properties with complete postal addresses, full description and reasonable market value of property duly supported by certificate of D.M./Collector/First Class Magistrate/ approved valuer. But as per current Covid-19, pandemic situation its not feasible to get above certificate in short period. Instead of that can we attached audited balance sheet with seal & sign of our C.A..	The agency may submit the Networth Certificate duly Certified by the Chartered Accountant as per enclosed proforma.
Agency (3) -M/s INNOVITIQ, Pune vide e-mail date-18.03.2021.		
SN	Description of query	Comments from LIC
1	As this tender is specifically designed for MBBR Technology, we want you to go through our technology called JAL-SHUDDHI and consider our technology for this tender and make the tender "Technology Independent".	There are different technologies available in STP. We have decided to go for MBBR Technology which is very popular for Residential Colonies. We cant permit/allow different Technology from different Bidders. As stated by the bidder it is new Technology and hence we may not experiment for the same.
Agency (4) -M/s SINAI ENGINEERING, Pune vide e-mail date-27.03.2021.		
SN	Description of query	Comments from LIC
1	<u>Inlet Wastewater characteristics-</u> Inlet wastewater parameters like BOD- 800 ppm & COD- 600 ppm is very high for STP design. Kindly Confirm.	The STP proposed is for residential colony. Generally the BOD at influent from Residential usage is in the range of 300- 600 mg/lit. However the bidder may collect the sample from site and verify the BOD/COD.
2	<u>Inlet & Outlet Wastewater characteristics to evaluate reduction of wastewater & plant performance-</u> As per outlet guaranteed parameters like BOD less than 10 ppm & COD less than 50 ppm, Only Biological treatment does not suffice the requirement. Hence we propose optional Plant as tertiary treatment like microfiltration or Ultrafiltration system after secondary treatment plant. So please confirm the inlet parameters to achieve overall efficiency of plant.	Outlet parameter should satisfy the norms of state pollution Control Board and CPCB whichever is applicable.

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3	Grit Chamber & O & G Trap- Based on existing Invert Level, Grit Chamber & O & G Trap to be proposed near existing tanks. Kindly Confirm.	Yes, Based on existing Invert Level, Grit Chamber & O & G Trap to be proposed near existing tanks
4	Sludge dewatering- We will use existing sludge drying beds by suitable revamping in existing tanks. Kindly Confirm.	All new Infrastructure to be provided.
5	Equalization tank, Treated wastewater tanks & sludge tank- We will use existing underground RCC tanks by suitable revamping . Kindly Confirm.	All new Infrastructure to be provided.
6	Total STP plant except electrical panel shall be underground- We have proposed major Pre-Fabricated structures like MBBR Tanks, Tube settler tanks & Filtration system on Skid which will be above ground.	The structure shall be of RCC or Pre-fabricated factory made FRP STP Plant and it will be underground.
7	Treated wastewater disposal Pump- Kindly Confirm the capacity of pump and head and Disposal point from STP Location.	Proposed STP will be placed adjacent to existing STP Plant. Design of STP including pumps etc is included in the scope of EPC Contract. The agencies may make site visit to collect the design Data.
8	Treated water out of STP shall pump to garden . Pumping arrangement shall be provided by contractor - Kindly Confirm the Quantity, Type as well as capacity & head of pump. Also it is assumed the piping system is in place of garden. So distribution piping is not required for gardening . Please Confirm.	Entire quantity of treated water from STP shall be used for gardening. The piping arrangement in the gardening area is not included in the scope of EPC Contract. The pump shall be designed to discharge the water at highest Ground level + 2 meter in the NIA Campus. However the length of delivery/discharge pipe included in the EPC Contract is 15 meter. Rest of piping will be carried out by NIA.
9	Proposed Vendor List- Please provide any approved vendor for SBR. Also please provide approved vendor list for Electro-Mechanical Equipment's.	List of additional makes is provided as Annexure "A".

SN	Description of query	Comments from LIC
Agency (5) -M/s En-vision Environmental Services, Surat vide e-mail date-27.03.2021.		
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1	<p>Pg. No. 5 (Documentation) - Bank Solvency Certificate issued from Nationalized or any Schedule Bank (i.e., Indian or Foreign Banks included in Second Schedule of Reserve Bank of India Act 1934 excluding Co-operative Banks or Regional Rural Banks) should of amount not less than Rs.14 Lakhs. The certificate should have been issued within 3 months from the original last date of the submission of the tender. The Solvency Certificate should be submitted from the Bank whose NEFT details are given in the Bid Document and preferably where the Construction proceedings will be credited.</p> <p>Is the 3-month-old solvency necessary? We have 8-month-old solvency with an amount of 3 Cr. Bank of The Mehsana Urban Bank</p>	The solvency Certificate should be latest with validity as mentioned elsewhere in tender document.
2	<p>Pg. No. 27 (Technical Bid) Point no. 2 - Inlet parameter</p> <ul style="list-style-type: none"> • We are working from home because of the coronavirus pandemic, so we are unable to visit the site. Can we consider the inlet parameters of STP as par standard CPHEEO manual? • Influent Parameters-Provide the inlet TDS of STP as the outlet TDS is 2100 ppm so TDS of inlet sewage should be <2100 ppm. If the inlet TDS is high, we need to provide RO system to achieve the TDS in permissible limit. • Confirm that the ammonia nitrogen is present in Sewage or not?? • What will be the peak factor? 	The STP proposed is for residential colony. Generally the BOD at influent from Residential usage is in the range of 300- 600 mg/lit. However the bidder may collect the sample from site and verify the BOD/COD.
3	Pg No.44 (Technical Bid) Point No. 13 - OPERATION AND MAINTAINING STP FOR 3 YEARS - Provide information of Minimum Manpower required for the operation of STP with its.	Minimum One person for 24 X 7 Hours. The manpower deployed at site must have adequate technical qualification and sufficient related experience.

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4	Pg No. 50 (Technical Bid) SEWAGE TREATMENT PLANT- STPs based on Moving Bed Bioreactor (MBBR) attached growth using PVC fill media & fine bubble non-clog type membrane diffusers. The total STP plant including it's ancillary structure except electrical panel shall be underground. Manholes can be provided to access the inside of the tank. -----Can we provide MS+FRP packaged plants? As the requirement is that STP should be underground.	The underground structure shall be of RCC or Pre-fabricated factory made FRP STP Plant.
5	Pg. No. 24 (Documentation) - Point number 19- Who is the license holder and what is their experience for the following trades: Is the Labour license required for sanitary, electrical & plumbing work? Please provide site location/area available/layout/footprint.	The electrical and plumbing agencies carrying out their respective works should have required license complying in all respects with the requirement of the relevant bylaws of the Municipal or of the local bodies in whose jurisdiction the work is to be executed
6	Pg. No: 28 -(Technical bid) point 2.9- The Contractor has to install suitable size underground 4 core Aluminum armored XLPE cable of about 250 Mtr. length for catering entire load of proposed STP including additional load of about 20 H.P. for catering power to bore-well submersible pump sets. The cable considered here of 250 m includes cable length for additional load of about 20 H.P. for catering power to bore-well submersible pump sets or should we consider it separately? If yes, provide the length of Cable.	The control panel of the STB should have required plant load capacity with the additional load of 20 H.P. for borewells. Arrangement of 6 separate feeders for borwell supply in the panel should be available for connecting borewell cables. (Max. Capacity 3.00 H.P. per feeder without controlgear). The proposed 250 Mtrs cable should have to meet the proposed plant load including 20 H.P. additional load.
7	Pg no: 27: point 2.7 (Technical document) - The treated water coming out of the STP plan shall be pumped to the garden. The pumping arranged shall be provided by the contractor. - Provide the pressure and piping details for this.	Proposed STP will be placed adjscnt to existing STP Plant. Design of STP including pumps etc is included in the scope of EPC Contract. The agencies may make site visit to collect the design Data.
8	Pg no: 44 – (technical document)- The running charges exclude the cost of electrical bills and consumable items like chemicals etc. (to be provided by NIA). - Kindly clarify that the power and chemicals are in our scope or in NIA Scope.	Power and Chemical cost will be borne in NIA .

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9	Pg no: 44 – (technical document)- RATES INCLUDES- Please confirm whether the price we shall quote includes GST or not?	Quoted amount shall be exclusive of GST on works Contract. The GST on works Contract shall be paid/reimbursed seperately.