

To,
All Bidders

Amendment-II

Subject: “Tender for Design, Supply, Installation, Testing & Commissioning of Sewage Treatment Plant (STP) and Effluent Treatment Plant (ETP) including Civil and other associated works in the existing All India Institute of Ayurveda Campus for AYUSH at Sarita Vihar New Delhi

Sir,

This has reference to the pre bid meetings held on 06.11.2013 at 15:00 hrs for the subject works at HSCC corporate office, Noida,

The following **AMMENDMENT-II/CLARIFICATION-II** may be noted, which shall be treated as a part of the tender to be uploaded along with tender:

Sl. No.	Pre-Bid meeting Queries raised by bidders	Clarifications
1	Volume I: Annexure – VII- Either we have to submit this certificate on our letter or we have to make affidavit to confirm.	May be submitted either on letter head or affidavit
2	Volume III : page no 8 capacity for ETP is mentioned 20 KLD .Whereas in Volume V BOQ capacity of ETP is mentioned 11. KLD- please confirm about the capacity of ETP	Capacity of ETP is 20 KLD
3	Volume IV , S.NO. 17.02 : make of sludge transfer pump- since sludge transfer pump are self priming type and kirloskar is manufacture of self priming pumps so can we consider kirloskar as make for sludge transfer pumps.	As per Tender document
4	Volume IV , S.NO: 17.02 : As this bar screen is manual and it is fabricated items preferred make should not be applicable for this screen- please confirm .	As per Tender document
5	Volume IV ,S.NO: 17.02: as this filter column is fabricated items preferred make should not be applicable for this screen- please confirm.	As per Tender document
6	Please confirm the ETP .Whether overflow of ETP will comes in equalization tank of STP or ETP will be treated separately .	Treated ETP effluent shall meet the DPCC norms and may or may not be added in the STP Equalization tank as per site condition

7	Volume V : In BOQ after every item is mentioned that civil work exclusive.- please confirm.	All the civil work will be paid separately on the actual work done basis in civil head.BEQ of Civil works items issued as an amendment-I. BEQ under this Civil works to be filled up and submitted along with BEQ of ETP & STP in separate envelope as prescribed in the tender document.
8	Volume VI : list of civil unit for ETP : size for sludge holding tank is 3.0x 1.0x 1.0 SWD .Whether in drawing it seems circular.- please confirm.	Drawings is schematic, the size will be finally based on process design with minimum requirement mentioned in BEQ.
9	Volume V , sludge sump as well as sludge drying beds both are mentioned. – please confirm both are required or not .	As per BEQ
10	Volume V , Oxylite system is required .- Can we use UV system , Ozonator or chlorine dosing system in place of oxylite system.	Oxylite system of approved make only
11	Volume V, Bill of quantities description item Sr no. V, EQT tank retention time min 4 hrs for avg flow – In drawing in list of mechanical units STP, the size of EqT Tank is given which is than 6 hrs retention time , please confirm which the retention time for Eqt tank.	Size as per detail process design and BEQ. Requirement in the drawing is only indication
12	Volume V, bill of quantities, description item Sr. No. VI MBBR reactors (2nos) with min 5 Hrs retention time for each tank – In drawing in list of mechanical units STP, the size of MBBR tank is given which is sufficient for the operation . please confirm.	Size as per detail process design and BEQ. Requirement in the drawing is only indication
13	Volume V, bill of quantities, description item Sr. No. VII, Air blowers Qty Nos (2w+1s), - In drawing in list of mechanical units STP mentioned 2 Nos. please confirm which one is considered	Size as per detail process design and BEQ. Requirement in the drawing is only indication
14	Volume V, Bill of quantities, description item Sr. No. IX, Oxy lite generation system - Can we consider normal chlorine dosing system , as this is small capacity STP plant with 4-5 ppm dosage is sufficient to kill the bacteria. Please confirm	Oxylite system of approved make only
15	Volume V, Bill of quantities, description item Sr. No. X, RCC filter feed tank, min 40 M3 capacity – In drawing in list of mechanical units STP size mentioned 4mt x 3mt x 2.5mt which is 30 m3, please confirm tank capacity.	Size as per detail process design and BEQ. Requirement in the drawing is only indication
16	Volume V, Bill of quantities, description item Sr. No. xix, sludge drying beds – Filter press and basket type	Filter press and Sludge drying bed both are to be provided.

	centrifuge is considered for sludge treatment. So no need of sludge drying beds. So understands that for small capacity of STP, only one is unit sufficient for sludge treatment. Please confirm	
17	Volume III, instruction to bidder, ETP capacity mentioned 20 KDL, In vol-V 11 KDL, - please confirm the ETP capacity and give us the raw ETP parameters like ph, BOBOD, TSS for process design. We understand that ETP scheme is as per tender drawings mentioned in vol. – VI.	Capacity-20 KLD. The raw effluent of ETP will be collected from Lab. OT/treatment area of Ayush Sarita Vihar Hospital. Accordingly the Agency has to access the various parameter of the raw effluent. The ETP has to be planned and design in such a way that it has a capacity to treat such a wide spectrum effluent. Tender drawings are indicating type only. The non-metallic pipe and fittings such as cPVC, HDPE will be used in most of the part.
18	Vol. –IV_28_10_2013 : 6: TECHNICAL SPECS: 7. Connecting last manhole to STP : as per site condition – please specify the exact distance	Agency has to make its own assessments but it will not be more than 100M
19	GENERAL : SBC with existing water level and contour drawing for site location – please provide	Agency has to make its own assessments for Ayush Sarita Vihar, New Delhi.
20	Is joint venture allowed for above mentioned job	No
21	Can we use sequential batch reactor (SBR) technology in case of MBBR?	MBBR as per Tender
22	Does this tender include civil work related to STP/ETP.	Replied above.
23	Please allow at least 2 weeks time for tender submission	Extended. Refer amendment-I

Operation & Maintenance may be read as: Agency has to obtain adequacy report of ETP & STP from DPCC approved lab and test report of treated and raw effluent of STP and ETP and obtain the consent to operate from DPCC. However after the completion of work and 2 months trial run and obtaining test and Adequacy report from DPCC approved agency. The completion will be recorded and Agency will be paid for operating and maintaining as per the BOQ item 5% of contract value of amount will be hold for obtaining the NOC from DPCC. As the work is awarded on the performance based contract with the contract's guarantee for output of the effluent at specific parameter for continuous running of Plant. In case Agency feel any additional equipment, increase in size of unit/equipment is required. It will be considered that Agency has covered such cost in his offered cost and no additional cost will paid on such account.

Other conditions of tender shall remain unchanged.

A .K.Sinha
Project Coordinator