

Design, Supply, E&C of Mechanical & Electrical Packages and O & M (for 5 years) using phytorid technology for Telibandha lake purification & restoration project of RSCL, Chhattisgarh

Sl. No.	Bidder's Query	BHEL Replies dtd. 06.06.18
1	Pt.4. Sub. Pt. 5 - Kindly provide size, number & design details of floating rafter	As indicated in clause 4 of the specification, the scope of work includes design of the complete system. Accordingly, the required no. of floating rafters to be decided by the Bidder and get them verified by NEERI.
2	2Pt.4. Sub. Pt.7 - Kindly provide effective depth of water in the lake, make for diffuser	The depth of the lake is around 10 - 12mts.
3	Pt.4.Sub.Pt. 8 - Kindly provide quantity of chemicals to be used in the system, dosing requirement as well as frequency of dosing is not given	As indicated in clause 4 of the specification, the scope of work includes design of the complete system also. Accordingly, the quantity and frequency of dosage to be decided by the Bidder and get them verified by NEERI.
4	Pt.4.Sub.Pt.9 - Addition of lime & Alum/PAC into lake may destroy the ecosystem of the lake. Kindly confirm	Lime & Alum/PAC addition is indicated in the specification for coagulating the TSS and enable the bio-culture to reduce the TSS to desired results (which is one of the guarantee parameter). As suggested by NEERI, moderate dosages of these chemicals shall not destroy the eco-system of the lake.
5	Pt.11.Sub.Pt.B - Distance of treatment plant from power distribution company to calculate the length of cable is not given	The approx. distance of treatment plant from power distribution company is 50m.
6	Pt.16.Sub.Pt.-16.20 -As the floating rafter is NEERI's prerogative, the contractor may not have the complete know-how about the system; thereby the performance evaluation and performance guarantee for such nova-born system may not completely be contractor's responsibility. Kindly clarify	Bidder to design and install the floating rafters in the lake with the help of NEERI. Bidder shall prove the performance guarantees indicated in the specification.
7	As per drawing "Equipment Layout of the Phytorid System", please provide details for inlet channel from existing sewers along with length	There are two inlet sewers into the Phytorid STP. The approx. distance of each existing sewer channel from the inlet channel (screen chamber) is 20m.
8	As per drawing "Equipment Layout of the Phytorid System", Sedimentation Tank will have Open channel inflow, what are the measures taken to control excess water flow during monsoon / peak period?	Sedimentation tank is a closed tank. As indicated in Section - II, clause 1.5, bypass line shall be provided from the discharge of raw sewage pumps (upstream to sedimentation tank) in to the lake for diverting the excess flow during monsoon season.

9	Detailed specifications and bill of quantities for electrical & mechanical items, capacities, make and quantities are not mentioned. Please provide the same	The scope of work is not BOQ wise. As indicated in clause 4 of the specification, the scope of work includes design, engineering, supply, E&C and O&M of complete system.
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