



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai - 400076**

**Technical Specifications & Other Terms and Conditions for
In-situ Nalla Treatment System (NTreat)**

Reference : Purchase Requisition No. 1000016238 (RFx No. 6100000489)

I) Scope of work:

In-situ Nalla Treatment System (NTreat) to be fabricated with dimensions, details and accessories consisting of following:

Unit#1 (Screen Module): 5 ft x 3 ft x 15 ft – 1 No

Unit#2 (Silt Trap Module): 5 ft x 3 ft x 15 ft – 1 No

Unit#3 (Natural Biological Treatment Module): 5 ft x 3 ft x 15 ft – 2 Nos

Appropriate provisions be made to join these three Units as one Equipment with leak-free operation.

Qty : 1 working + 1 standby

Fabricating as per drawings and details provided as unit#1 [Screens (SC) Module], unit#2 [Silt Traps (ST) Module] and unit#3 [In-situ Natural-biological Treatment (NBT) Module] in fibre reinforced polymer (FRP) of appropriate thicknesses to take care of stresses during the transport and the treatment assessment at IIT Powai. Proper attention must be paid towards the structural strength of bottoms and buckling of walls.

Transport it to IIT Powai campus, placing and installing on the ground next to a drain in front of SarovarUdyan, lakeside.

Making appropriate pumping provisions to lift water from the drain into the inlet chamber of the unit#1.

Operating system as per the instructions of EICTL team for a duration of minimum 8 hours per day over a period of three months.

Taking samples of (1) raw water (1 No) as going into the inlet chamber and (2) one at the end of each unit (3 Nos) once in morning and other in the evening and delivering those to EICT Laboratory.

Arranging for site security (physical) and electronic surveillance (CCTV) of the Equipment from the time of commissioning to decommissioning.

To decommission at the end of three months and take back all the materials from the site and restore back the ground to its near prior condition.

II) Pre-qualification Criteria

1. Bidder should have experience in fabrication (in material other than RCC) and commissioning of Sewage Treatment Plant (STP) of 1 MLD capacity or more. Submit details of similar projects on fabrication and commissioning of STP handled. Also attach supporting documents.
2. Details of any other related project executed in past 5 years.
3. An undertaking (self-certificate) to be submitted stating that the bidding organization has not been black listed by any Central/State Government Department /Organization.
4. Bidder Information - Annexure I.
5. Bidder has to sign and submit the 'Non-Disclosure Agreement (NDA)' on Rs. 100/- stamp paper (Non Judicial) from their competent authority as a compliance for the 'Non-Disclosure Agreement' Annexure-IV for NDA Template.

III) Important Note:

The detail design and technical specifications will be issued only to such bidders who comply and qualify the pre-qualification criteria.

Bidder shall furnish relevant documents and submit the above mentioned pre-qualification criteria responses along with NDA to Materials Management Division, IIT Bombay through email : drmm@iitb.ac.in

followed by hardcopies to Materials Management Division, Gr.Floor, Main Bldg, IIT Bombay, Powai, Mumbai 400076.

IV) Issue of Detailed Technical Specifications and Design:

After verification of pre-qualification responses and NDA, IIT Bombay will issue detailed technical specifications and design.

V) Submission of Technical and Price bid:

Bidder will have to submit their detailed technical and price response on IITB E-Tender portal.