

**Minutes of the Pre-bid meeting held on 12<sup>th</sup> September 2013 at Admin 3<sup>rd</sup> Floor in Engineering Unit Conference room for the work of “Operation and maintenance of 1.40MLD sewage treatment plant at IIT Madras”**

**Member Present**

**IIT Madras**

Prof.A.Veeraragavan, Chairman(EU)  
 Sri.P.Soundararaj, Consultant (Elec.)  
 Sri.L.Venkataraman, Executive Engineer (Civil)  
 Sri.V.Seenivasan, Executive Engineer i/c (G.F)  
 Dr.M.Ramachandran, Exe.Engineer i/c (Civil)  
 Sri.S.Ganapathy, Junior Engineer (GF)  
 Sri.K.Narayanaperumal, Junior Engineer (DB)

**Contractors**

Sri.Parameganar, Eco Protection Engineering Pvt Ltd  
 Sri.M.K.Mithunkumar, G.E.T. Water Soutlions Pvt Ltd  
 Sri.R.Karthikeyan, Polutech Tech  
 Sri.V.Balamurugan, Enviro Services Pvt Ltd  
 Sri.A.K.Natarajan, HECS (P) Ltd  
 Sri.S.Jesudas, BEAUTY  
 Sri.S.M.Rajendran, SBA Enviro Systems Pvt Ltd

Chairman (EU) welcomed all members present in the meeting. The points discussed and decisions taken during the meeting is given below;

S. No	Points Discussed	Decision taken
1	<p><u>Envelope 1 / Page 3 - As per Original Tender document</u>  <b><u>2. ELIGIBILITY CRITERIA</u></b></p> <p>2.1. The applicant should have successfully completed works as follows during the last 5 years ending 31-3-2013</p> <ol style="list-style-type: none"> <li>1. Three similar works each costing not less than Rs.4.60 Lakhs</li> </ol> <p align="center"><b>or</b></p> <ol style="list-style-type: none"> <li>2. Two similar completed works each costing not less than Rs.6.90 Lakhs</li> </ol> <p align="center"><b>or</b></p> <ol style="list-style-type: none"> <li>3. One similar completed work costing not less than Rs.9.20 Lakhs</li> </ol> <p><b>At least one of the work of (a) or (b) or (c) should have been undertaken for a Central / State Government / Central Autonomous Bodies / Public Sector Undertakings.</b></p> <p>“Cost of work” in this criterion shall mean completed cost as mentioned in the final bill including internal electrical works, if any, carried out under single contract</p> <p>“Similar work” in this criteria means <b>“Operation and maintenance of Sewage treatment Plant”</b></p>	<p><u>Envelope 1 / Page 3 - “<b>Shall be Read as</b>”</u>  <b><u>2. ELIGIBILITY CRITERIA</u></b></p> <p>2.1. The applicant should have successfully completed works as follows during the last 5 years ending 31-3-2013</p> <ol style="list-style-type: none"> <li>1. Three similar works each costing not less than Rs.4.60 Lakhs</li> </ol> <p align="center"><b>or</b></p> <ol style="list-style-type: none"> <li>2. Two similar completed works each costing not less than Rs.6.90 Lakhs</li> </ol> <p align="center"><b>or</b></p> <ol style="list-style-type: none"> <li>3. One similar completed work costing not less than Rs.9.20 Lakhs</li> </ol> <p>“Cost of work” in this criterion shall mean completed cost as mentioned in the final bill including internal electrical works, if any, carried out under single contract</p> <p>“Similar work” in this criteria means <b>“Operation and maintenance of Sewage or Effluent treatment Plant (STP/ETP)”</b></p>

S. No	Points Discussed	Decision taken
2	Envelope 2 / Page 139 to 146 / Footer Note – <b>As per original tender document</b> Model tender document – Financial bid	Envelope 2 / Page 139 to 146 / Footer Note – <b>“Shall be read as”</b> Tender No:30/2013/14/Civil – Financial bid
3	Envelope 2 / Financial bid / Page 145 / Bill of Quantities / Schedule A / Item No: 1 – <b>As per original tender document</b> Charges for operation and maintenance of Sewage treatment plant (STP - 1.40MLD capacity) at IIT Madras. This includes operation and maintenance (Routine / preventive) of pumps, valves, motors, gear boxes, and other plants and equipments in the STP. The contractor shall also carryout mixing of chemicals, lubrication of machineries, gland packing, equipments, motors, gears and complete operation, collecting treated / untreated sewage samples, maintaining log books, registers and maintenance of the STP as per the manufacturers operation and maintenance manuals. The rate quoted shall be inclusive of labour charge for un-install and re-installation of mortors, valves, pumps and other equipments and machineries in the STP but excluding the cost of electricity, <b>supply of chemicals for sewage treatment</b> , material for break down, painting of equipments / plants, material cost for replacement / repair of parts and components of the STP which will be arranged by IIT M as and when required. The contractor shall employ the following minimum number of staff for the above works.  Electrician - 1no x 1 shift - ITI - minimum 2yrs Experience Pump Operator - 1no x 3 shifts Helper - 1no x 1 shifts	<b>“Shall be read as”</b>  Charges for operation and maintenance of Sewage treatment plant (STP - 1.40MLD capacity) at IIT Madras. This includes operation and maintenance (Routine / preventive) of pumps, valves, motors, gear boxes, and other plants and equipments in the STP. The contractor shall also carryout mixing of chemicals, lubrication of machineries, gland packing, equipments, motors, gears and complete operation, collecting treated / untreated sewage samples, maintaining log books, registers and maintenance of the STP as per the manufacturers operation and maintenance manuals. The rate quoted shall be inclusive of labour charge for dismantling and re-installation of mortors, valves, pumps and other equipments and machineries in the STP but excluding the cost of electricity, material for break down, painting of equipments / plants, Material cost for replacement / repair of parts and components of the STP will be arranged by IIT M as and when required. The contractor shall employ the following minimum number of staff for the above works.  Electrician - 1no x 1 shift - ITI - minimum 2yrs Experience Pump Operator - 1no x 3 shifts Helper - 1no x 1 shifts
4	List of approved material in Envelope 2 / page 141 to 143	Not applicable to this contract
5	Testing of sewage sample	Samples need to be collected by the contractor and testing will be done by IIT Madras at free of cost. Frequency and testing will be decided by IIT Madras.
6	Last date for submission of tender	As stipulated in the tender document (on or before 18-09-2013 - 3.00PM)
7	Scope of work	As stipulated in the tender document
8	Minimum number of labour / staff to be engaged	As stipulated in the tender document
9	Whether private works will be considered for eligibility.	Yes, subject to submission of performance certificate and TDS certificate.

**General:**

- The above minutes of meeting shall become part of the agreement.
- The contractors are requested to download the Minutes of meeting from the IIT Madras web site and attach the same with tender document (Envelope 1).
- No other addition/deletion made to the tender document except the above addition/deletion/modifications
- The Contractors are requested to inspect the plant before quoting the tender.
- Quality of treated sewage should be maintained as per the local byelaws.

Sd/-  
Executive Engineer i/c (Civil)

Sd/-  
Executive Engineer (Civil)

Sd/-  
**Chairman (EU)**