

**Minutes of the Pre-bid meeting for Sewage Treatment Plant
(Contract Package No. TVM-SS-03) under Asian Development Bank
assisted by Kerala Sustainable Urban Development Project held at the
Conference Hall of Project Implementation Unit, KSUDP,
Thiruvananthapuram Corporation at 11.00AM on 12-03-08**

Members Present:-

KSUDP

1. Shri. Rajagopalan, Project Manager, PIU, KSUDP, TVPM
2. Shri K Mohan, SE, PIU, KWA
3. Shri A L Charles, TO(P), PMU
4. Shri K Venukumar, TO(W&S), PMU
5. Shri Krishna Kumar, TO(P), PIU,KSUDP
6. Smt. Geena Prasad, TOE, PIU, KSUDP, TVPM
7. Shri Vipin, MFO, PIU, KSUDP, TVPM
8. Smt.Rejitha, AM, PIU, KSUDP, TVPM
9. Shri Thomas P Mathew, TSU, KSUDP
10. Shri R Seshadrinatha, TSU, KSUDP
11. Shri K Vijaya Chandran, DSC I

Prospective Bidders

Sl. No	Name of the Firm	Name of the Representatives
1	IVRCL.I and P.Ltd., Hyderabad	Shri V.Prabhakaran
2	Thermax Ltd., Chennai	Shri V S Rao
3	TECTON	Shri K Sivakumar
4	T-CTON, Chennai	Shri K P Kumar
5	Anamika Venture (P) Ltd., Thiruvananthapuram	Shri A Prajin Babu
6	VATECH WABAG LTD., Chennai	Shri K Guhan
7	Ion Exchange	Shri Anoop Kartha

Meeting started at 11.00AM chaired by Project Manager, PIU, KSUDP, Thiruvananthapuram.

The Project Manager welcomed all the participants for the meeting. Superintending Engineer, JnNURM, KWA circle explained in general the details of the Sewage Treatment Plant, location of the site and site conditions.

It is informed by Project Manager that some corrections and additions since noticed in the bid documents will be issued as addendum.

Replies to the queries raised by the prospective bidders are as follows.

Sl.No	Query	Details	Replies
1.	Section 3	Please clarify the stated criteria in detail particularly with reference to similarity based on physical size. Does your specification mean that the eligible bidder should have experience in completion of 107 MLD capacity STP?	As per Bid document, clause 2.4.1 & 2.4.2.
2.	Vol II Vol III	Volume II and Volume III are not uploaded along with tender documents in KSUDP's Website. Please arrange to upload the same.	The documents are available in the website.
3.	Vol II Sec.6 Employers requirement report on sub soil investigation	The sub-soil investigation report is said to be enclosed in this volume, but not available and the same may be furnished.	Addendum No.1, Sl.No.9
4.	Vol III Drawings Page 6-5	No drawing is made available. The following details are very essentially required. Plan showing general location site, suggested layout plan of proposed plant with boundary and contour map (all side to be attached in Volume III) may be furnished. Like wise the water table level during different seasons and soil profile / SBC are also required.	Refer Vol.III As regards SBC refer Addendum No.1
5.	Vol II, Se.6 Page 6-5	The availability of water for construction and electricity, Location of nearest 11 Kva / 22 Kva EB feeder, location and nearest sub-station may be furnished.	(i) Power supply is available near to the site. (ii) The bidder is to make his own arrangements for water and electricity for construction and allied activities; Refer corrigendum No-1, item no 1.
6.	Vol II, Sec.6 Page 6-1	The length of the pipe line from final treated point to final discharge point may be indicated.	(i) The length of the pipeline from the final treated point to the discharge point is less than 500 m. (ii) Part of the treated effluent will be returned to the Fodder Farm for continuing grass cultivation.

Sl.No	Query	Details	Replies
7.	Vol II, Sec 6 Page 6-6	This plant is to be commissioned for a capacity of 107 MLD after the construction period of 24 months. Please confirm the quantity of sewage to be realized for first, second, third, fourth and fifth year in order to arrive O&M cost precisely, based on existing sewerage system and future planning.	The employer has programmed such, that raw sewage will be made available for the commissioning and operation of the STP. <ul style="list-style-type: none"> • 60% (appro) during 1st year. • 100 % from 2nd year onwards.
8.	Vol II, Sec 6 Page 6-5	BOD, COD, TSS characteristics for the raw sewage has only been included. Please furnish values of other characteristics for designing of STP.	Sewerage sample analysis report, done recently, is enclosed. Refer Addendum No.1
9.	General	Mention the exact peak flow and min flow duration per day. A discharge curve may be provided to design the components for optimum utilization.	The peak flow period may be taken as 4 hrs (from around 6 a.m to 10 a.m) and also as 2 hours (from around 6.00 p.m to 8.00 pm) Also see Addendum No.1
10.	General	How much percentage will it be on every bill amount for income tax, work contract tax and other statutory recoveries.	As per prevailing IT rules and other statutory rules, at the time of making payments. Refer Addendum No.1
11.	General	Officials deposits for statutory clearance or any fee for any environmental clearance will be borne by the client – clarify.	Official deposits, statutory clearance fee etc. will be borne by the contractor. Volume 1, section 7, clause 9.3
12.	General	Site for plant, site for constructional operations and for access are to be made free of encumbrances or encroachments by the client, confirm	No problem is envisaged in handing over of land for construction
13.	General	For want of values of parameter for the existing sewage and accordingly to design the STP components, an extension of time of atleast three weeks for submission of tender shall be given.	Date of submission of bid is extended upto 30.4.08, 11.00 am and opening of bid is at 2.30 pm on the same day. See Addendum No.1
14.		Whether alternate technology is acceptable? The technology which they would like is Sequential Batch Reactor (SBR)	No alternate technology will be entertained. Vide ITB 13.4

SI.No	Query	Details	Replies
15.		As there are lot of ground to be carried out for design engineering of such an ST extend the due date of tender by min 6 weeks	As in SI.No.2 above
16.		The prequalification with respect to the capacity, technology is not clear	As per clause of bid 2.3 & 2.4 of Section 3
17.		Whether international experience of the joint venture firm with alternate technology considered	As per clause 2.4 of bid
18.		Whether contractors need to carry out sewage analysis & soil analysis separate provide the same?	As per clause 1.9 A of Section 6 of bid and amendments
19.		The proposed site already had a foot ball ground	Land will be made available without any encroachment.
20.		The compound wall of the property is demolished and had been trespassed by strangers.	Scope of Work of contractors is clearly defined in the Bid Document. Section 8, Clause 9
21.		Whether we can offer cyclic Activated Sludge Process which is a type of Activated Sludge Process with Extended Aeration	See SI.No.14 above.
22.	Section 9 (appendix 2)	Price escalation is given for cement and steel. We request you to give the acceptable percentage of variation for labour, material and POL	Please refer. Addendum 1
23.	Section 7 Clause 9	Please clarify whether the retention money is allowed in the form of bank guarantee.	Bid document condition shall prevail.
24.	Section 9 (Appendix 1)	Schedule No.2 Plant & equipment supply. We request you to change the payment terms like 10% against advance payment against receipt of invoice; 80% against supply; 5% against the receipt of invoice; 5% against operation acceptance certificate.	Please refer Addendum - 1
25.	General	Kindly let us know the distance of disposal of sludge generated from the STP (Distance between STP and Sludge disposal point) and mode of disposal.	Sludge shall be disposed to a disposal area within 20kms from the site.

The meeting concluded at 12.00 PM. Subsequently the officials from PIU and PMU along with the prospective bidders made a site visit to proposed STP, Muttathara Village, Valiyathura.

Sd
Project Manager