

**MINUTES OF PRE BID MEETING**

Tender No: ETPK/KLM/T/008/10-11  
Design, Detailed Engineering, Procurement, Erection/Construction, Testing, Commissioning, Operation and Maintenance of Sewage and Sullage Treatment Plant of Capacity 300m<sup>3</sup>/Day at Technopark Kollam.

Park Centre, Technopark, Trivandrum

Date: 09<sup>th</sup> March 2010, 11:00AM

**Present**

<b>TECHNOPARK</b>	<b>JADE</b>
Mr. K.V. Rajendran, General Manager (Technical)	Mr. Jomy Joseph G.M. (Projects).
Mr. Unnikrishnan P, Technical Advisor	Mr. Mohandas, Consultant
Mr. Mahesh V, Project Manager	<b>Bidders</b>
Mr., Viswanathan, Assistant Officer (Finance)	Mr. C. Dilip, Oxytona Technologies, India Pvt. Ltd.
Mr. Einstein E.V. Dy. Engineer (Electrical)	Mr. Raju Pawar, Shivam Water Treatment Pvt. Ltd., Ahmadabad

<b>No.</b>	<b>Queries</b>	<b>Reply</b>
<b>1</b>	<b>M/S Shivam Water Treatment Pvt. Ltd.</b>	
1.1	Should Sewage and sullage be treated separately	Sewage and sullage need not be treated separately. However, sullage requires preliminary treatment to neutralize the effluent.
1.2	In page No: 65, Clause No: 58, it is mentioned that 'the quantity of effluent generated may be below 150 cum/day during the initial period' Should the capacity of the sewage treatment plant be 150 cum/day or 300 cum/day.	It was made clear that the STP has to be designed for a capacity of 300 cum/day. However initially the quantity of effluent may be below 150 cum/day, the plant should be able to process low flow of effluent also.
1.3	What is the final disposal arrangement of treated water?	The scope of the contract is only to treat the effluent to achieve the specified parameters as per KSPCB norms.
<b>2</b>	<b>M/S Oxytona Technologies Pvt. Ltd</b>	
2.1	It may not be possible to treat and attain desired treated effluent quality if the initial quantity of the effluent is low.	During the initial stages of the implementation of the project the effluent quantity generated may be below 300 cum/day. The quantity will progressively increase to 300 cum/day as more offices become functional. The design of the STP has to be flexible to treat the effluent generated in the initial stages also.
2.2	Whether the experience specified as 3 years in the pre-qualification criteria can be reduced to 1 year.	Pre-qualification criteria cannot be revised.



2.3	Details of particular technology to be adapted for treatment is not mentioned in the tender document.	A broad description of the process is mentioned in the tender document. The bidder may choose the process within that to attain the desired results.
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<b>Amendments to Tender Document</b>		
<b>1</b>	<b>Bid-1 Techno-commercial Bid</b>	
1.1	Page 118 Operation & Maintenance Agreement Paragraph d.	Deleted
1.2	Page 120 Operation & Maintenance Agreement Paragraph q.	The second and third sentences of paragraph q, which is read as follows “After Defects liability Period and warranty of equipment is over any replacement of equipment /spares shall be at the cost of Technopark. Supporting documents in proof of value of equipment/spares has to be forwarded”, is deleted.
<b>2</b>	<b>Bid II Price bid</b>	
2.1	Page 4 Item 7 “Recommended List of Spares”	Deleted
<b>All bidders are requested to submit their offer in the ‘Revision-1’ of the price bid document in which the above correction has been made.</b>		

**Sd/-**  
**Chief Executive Officer**  
**Technopark**