

**RFP FOR SETTING UP OF SEWAGE TREATMENT PLANT (STP) OF 250 KLD CAPACITY AT TSIIC-IALA, ALEAP-IP, GAJULARAMARAM, HYDERABAD ON "DESIGN, ENGINEERING, CONSTRUCTION, SUPPLY, INSTALLATION, TESTING, ERECTION & COMMISSIONING AND THEREAFTER OPERATE & MAINTAIN THE STP FOR FIVE YEARS" BASIS**

**Consolidated Replies to Bidders' Queries / Corrigendum**

S No.	Page No.	Clause No.	Document	Description of Original Clause	Query	Reply / Corrigendum
1	10	Clause 1.2.4	RFP	A Bidder is required to submit along with its Bid, an Earnest Money Deposit of Rs.1,00,000/- (Rupees One Lakh only) (the "Earnest Money Deposit") refundable not later than 60 (sixty) days from the Bid Due Date, except in the case of the Selected Bidder whose Earnest Money Deposit shall be retained till it has provided a Performance Security under the Contract Agreement. The Bidders will have to provide Earnest Money Deposit in the form of a demand draft in favour of TSIIC payable at Hyderabad". The Bidder shall also pay to the Authority a sum of Rs. 5,900/- (Rupees Five Thousand Nine Hundred only) which includes an amount of Rs.900/- towards GST towards processing fee in the form of a demand draft in favour of TSIIC payable at Hyderabad" drawn on any scheduled bank. The Bid shall be summarily rejected if it is not accompanied by the Earnest Money Deposit and the demand draft towards processing fee.	We are an NSIC registered organization. Kindly confirm whether we can submit the same to claim EMD and Processing Fee exemption?	Yes.  The following is added to the original Clause of the RFP:  In case the Bidder is an NSIC registered firm, it can submit the same to claim EMD and Processing Fee exemption.
2	10	Clause 1.3.	RFP	Bid Due Date: 15.09.2018 before 15.00 hours IST.	--	Revised <b>Bid Due Date: 17.09.2018</b> before 15.00 hours IST.
3	11	Clause 2.1(e)	RFP	Collection tanks to collect untreated Sewage and the treated water and pumps to transmit the treated Sewage for gardening. The Collection tanks to be designed for the storage capacity of 1 day with 2 nos. (1 working+1 standby) each of suitable capacity. The raw sewage Collection tanks to be completely below the ground level and the collection tanks for treated water to be above ground.	Why do you envisage the need for two collection sumps? One as a back-up. Normally for an STP of 250 KLD capacity it is not considered.	As per RFP.
4	11	Clause 2.1	RFP	Scope of the Project.	How about the scope for internal roads in the STP? Will these also be the responsibility of the Contractor?	Internal roads are not required as per the Site conditions.
5	12	Clause 2.1(h)	RFP	To install and operate online monitoring system for testing inlet and outlet characteristics of the Sewage and the treated water;	What are the inlet and outlet parameters have to be monitored online.	Please refer to the modified Clause 2.1(h) of the RFP as mentioned below.  To install and operate online monitoring system for testing inlet and outlet characteristics of the Sewage and the treated water. In this regard, please note that BOD / COD / any other characteristics not monitored through online monitoring system has to be tested at any of the recognized laboratories once in a fortnight and the results to be made available to the Authority.
6	12	Clause 2.2(c)	RFP	The STP has to be designed and constructed for low/peak flow in line with usage.	What is the low flow and the peak flow to be considered while designing?	A peak flow factor of 3 may be considered.

7	12	Clause 2.2(e)	RFP	Adequate provision shall be made in the equipment mounting to prevent excessive noise transmission directly or through piping and structures	Please elaborate on the requirement of noise abatement.	As per RFP. Noise abatement has to be done based on the adoption of the technology and its noise levels.
8	12	Clause 2.2(g)	RFP	The final treated effluent is to be disinfected with Ultraviolet (UV) before its further use	Whether UV treatment is required for the treated water?	Yes.
9	13	Clause 2.2(j)	RFP	For handling of sludge, a proper sludge handling network/centrifuge shall be provided, and it is preferable to collect dewatered compressed sludge into HDPE bags for disposal.	We do not envisage the need of handling sludge into HDPE bags for disposal as there are better alternative environmental friendly needs of disposal.	It is preferable and not mandatory and therefore, the Bidder has the option of better alternatives for disposal of sludge.
10	14	Clause 2.3 (e)	RFP	To comply with emission limits for DG sets of capacity up to 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act, 1986 Rules.	Are DG sets envisaged in the scope of supply for the Contractor?	Yes, please refer to Clause 2.2 (i) of RFP in this regard.
11	14	Clause 2.3 (i)	RFP	The facility shall take appropriate measures to ensure that the ground level concentrations shall comply with revised National Ambient Quality Norms notified by MoEF & CC, GoI on 16.11.2009.	What are the ground level concentrations at this moment? Please provide available data.	The Bidder is expected to carry out the groundlevel concentration tests.
12	14	Clause 2.3 (n)	RFP	A responsible person shall be appointed at the Project Site to ensure that industrial waste is not delivered at the treatment facilities.	It shall be the responsibility of TSIIIC to ensure that industrial wastewater is not delivered to the STP for treatment.	Please refer to the modifications in the original Clause of the RFP in this regard:  The original RFP Clause 2.3(n) stands deleted and the following Clause is added in its place.  Whenever the inlet characteristics of the Sewage exceeds the permissible limits as mentioned in the RFP, the Contractor has to bring the same to the notice of the Authority. The Authority shall take up the matter with the industrial units in the Industrial Estate and see that the industrial waste is not mixed with the Sewage.
13	18	Clause 3.2.1: Point No. 2.1 of the table (Eligibility)	RFP	<b>TECHNICAL CRITERIA</b> 1. The firm should have carried out design, supply, installation, testing and commissioning of combined /standalone sewage treatment plant of at least 250 KLD using the technology proposed for this Project in the last 5 (five) years.  2. The firm must have carried out O & M of at least 250 KLD STP in the last 5 years using the same technology as proposed for the Project for at least 2 (two) years.	1. We have experience with a particular technology. For low flow rates, the technology cost is high. We should be allowed to quote for other technologies also as all the design criteria, etc., are as governed in the CPHEED manual.  2. Past project development experience of 200 KLD may be considered instead of 250 KLD in Eligibility Criteria.	Yes. The original Clause stands modified as under:  <b>TECHNICAL CRITERIA</b> 1. The firm should have carried out design, supply, installation, testing and commissioning of combined /standalone sewage treatment plant of at least 200 KLD using any of the approved technologies in the last 5 (five) years.  2. The firm must have carried out O & M of at least 200 KLD STP in the last 5 years using any of the approved technologies for at least 2 (two) years.
						Please refer to the modifications to original Schedule C of the Draft Contract Agreement his regard:  The Inlet parameters have been added to Schedule C as given in the Table below:

S No.	Parameters	Units	90%tile
			Values
1	pH		6.5 - 8.5
2	BOD5 at 20 degrees centigrade	mg/L	250 - 300
3	COD	mg/L	500 - 600
4	TSS	mg/L	300 - 350
5	TKN	mg/L	45 - 50
6	Total Phosphorus	mg/L	05-Jul
7	Chlorides	mg/L	250 - 300
8	Sulphate	mg/L	100 - 150
9	Ammonical Nitrogen	mg/L	35 - 40
10	Total coliform	MPN/100 ml	10 <sup>7</sup> - 10 <sup>8</sup>

  

14	35	Schedule C	Draft Contract Agreement	Key Performance Indicators	There is no mention of the Influent sewage water characteristics in the RFP. How are you ensuring that it is not contaminated further with the Industrial wastewater?	
15	--	--	RFP	General	What is the size of the plot area provided to construct the STP?	It is 1000 square metres (approximate).
16	--	--	RFP	General	Where is sewage water discharged at this point of time. Is the water body flooded or is it a flowing nalla.	There is a septic tank at the Project Site for collection of sewage water and due to damage to the same, wastewater is stagnated.
17	--	--	RFP	General	Can we consider 20 hours operation to design the STP system?	Yes.
18	--	--	RFP	General	Incoming cable to the MCC panel of the proposed STP system to be provided by TSIC.	As per RFP. It is under the Contractor scope only.
19	--	--	RFP	General	TSIC to provide the approved make list for all the brought out systems.	The indicative make list for the brought out systems is provided in the enclosed sheet. The Bidder can propose accordingly or any equivalent standard makelist as approved by the Technical Committee. The Bidder, accordingly, has to propose the same in the Technical Bid (Appendix III) and also cover the same in the presentation before the Technical Committee.
20	--	--	RFP	General	We understand that the O & M Period is 5 years and comprehensive in nature. Please confirm the same and specify the Defects Liability Period.	Yes. The Contractor is responsible for any defects during the entire O & M Period of 5 (Five) years.
21	--	--	RFP	General	TSIC to specify the manpower matrix to be considered for O & M.	The Bidder has to propose the same to achieve effective O & M and has to be brought out during Technical Bid submission and presentation before the Technical Committee.
22	--	--	RFP	General	Please clarify whether to consider compartmental or non-compartmental panel?	Non-compartmental panel has to be considered.
23	--	--	RFP	General	Please confirm whether to submit the tender in handcopy at the address as mentioned in the RFP.	Yes, to be submitted in hard copy.
24	--	--	RFP	General	Kindly clarify whether subcontracting of works is allowed or not?	Yes, allowed. However, please note that the Contractor is solely responsible for all the Works related to the Project.

25	--	--	RFP	Genral	Clarify whether experience in STP works with waste stabilization pond (WSP) technology will be considered under eligibility criteria for this work?	No.
26	--	--	RFP	Genral	Whether O & M includes Consumables or not.	Yes.
27	--	--	RFP	Genral	Please clarify wethether provision of power / water to STP during O & M Period is under Employer's scope or the Contractor's scope.	It is under Contractor's scope.
28	--	--	RFP	Genral	Whether establishment of laboratory during the O & M Period is required or not?	Onsite not required. However, the Contractor has to get the inlet and the outlet characteristics, not tested through online monitoring system, to be tested in any of the approved laboratories and make the test results available to the Authority.
29	--	--	RFP	Genral	Please consider the completion period as 6 months from the date of handing over hundle free site.	No, RFP holds good.
30	--	--	RFP	Genral	Irrespective of the marks scored ( $\geq 70$ marks) is the tenderer governed by the lowest bidder or is there any weightage for technical component & financial component and if is what is the weightage?	The selection is based on Least Cost Selection (L1) method. Accordingly, the Bidder whose quote is the lowest among all the shortlisted Bidders after the Technical evalaution would be the Selected Bidder, subject to the provisions of the RFP.
31	--	--	RFP	Genral	What is the meaning of safe disposal of treated wastewater and sludge? We shall produce treated wastewater as per stipulated standards. TSIIIC has to inimate where it shall be disposed off.	Yes, as per RFP. The treated water/Sludge shall be used for horticulture /flush water for toilets purpose at the Industrial Estate and the Contractor has to sell any excess quantities generated in the open market or dispose it at TSDF within 24 hours as directed by the Authority.
32	--	--	RFP	Genral	What is the rating (capacity & head) of the pump for gardening purpose.  Whose scope is the gardening pipeline.	The gandening pump is of 75 mm dia and of 592 metre length with a level difference of 2.5 feet. Please note that the proposed Project Site is at a lower gradient.  Gardening pipeline is already available.
33	--	--	RFP	Genral	Kindly intimate the location & its distance for disposal of sludge from existing septic tank. Kindly provide size of the septic tank.	The existing stagnated wastewater and the untreated sludge at the Project Site has to be transported to the TSDF at Dindigal which is at a distance of around 13 km from the Project Site.
34	--	--	RFP	Genral	During the execution phase it has to be ensured that the sewer line is diverted and that the area where STP is being installed is dry & clean. Please confirm.	Yes. It is the responsibility of the Contractor.
35	--	--	RFP	Genral	Is the existing septic tank to be used?	No.
36	--	--	RFP	Genral	What is the invert level of the drain at the STP site.	The Bidder is expected to conduct a site visit and accordingly design the STP system.

37	--	--	RFP	Genral	Kindly provide the details of the site: a. earmark the area being provided. b. Provide soil type. c. Provide Soil Bearing Capacity of the soil. d. Provide details of area for developing greenbelt. e. Is there a boundary wall to be constructed and if yes, length of the same & drawing for typical boundary wall.	a. Please see the layout plan of the Industrial Estate with the land earmarked for Project development. b. Soil type is moorum, however, the Bidder is expected to conduct site visit to get first hand information on the site location and other aspects of the site conditions to take them into consideration for design of the STP system. c. The Bidder shall assess the same based on the type of soil. d. The Bidder can propose the same. e. No.
38	--	--	RFP	Genral	Do we have to provide a centrifuge or sludge drying beds?	Based on the adopted technology and availability of land area.
39	--	--	RFP	Genral	2 no. UG storage tank sumps and 2 no. treated water storage tanks are asked for. Kindly provide capacity of the tanks.	As per RFP and to be designed by the Bidder.
40	--	--	RFP	Genral	What is the meaning of providing "STP in a modular manner", please elaborate.	It means that rather than putting one STP of 250 KLD capacity it would be made of number of modules, say two or three; so that as per the present day requirements, the STP can be operated and the other advantage is that even in case of failure of one or more modules, the other modules can be utilized to treat the wastewater.
41	--	--	RFP	Genral	Is a standalone DG set to be provided.	Yes.
42	--	--	RFP	Genral	Is the area illumination is also in the scope of the Bidder?	Yes.
43	--	--	RFP	Genral	Please refer to Page No.14 of the tender document. Point c, m & n are not clean., please elaborate.	As per RFP.
44	--	--	RFP	Genral	Whose scope it would be for payment of statutory fee for the clearances?	The statutory clearances have to be obtained by the Contractor. However, the statutory fees shall be paid by the Authority on production of supporting documents/bills.
45	--	--	RFP	Genral	During Project execution, whose scope is electricity and water? If we have to pay, what is the rate?	It is Contractor's scope and to be paid as per the prevailing market rates.
46	--	--	RFP	Genral	During O & M whose scope is power and water.  For DG operation, we will maintain log books & TSIC have to pay power charges for DG operations as per mutually agreed rates.	Contractor's scope.
47	--	--	RFP	Genral	As per water consumption table given in tender, the raw water supply on an average is about 170 KLD, however STP called for is 250 KLD., please confirm.	Yes, proposed for ultimate requirements.

48	--	--	RFP	Genral	Taxes and duties being dynamic we shall quote for the same as extra., please confirm.	The Bidder's quote should be inclusive of all taxes and duties including GST. Additionally, when raising bills to the Authority for payment, the Contractor has to show GST amount in the tax invoice within the quoted Bid Project Cost.
49	--	--	RFP	General	Request for mobilization advance of 15%	As per RFP. No mobilizaation advance is considered.
50	--	--	RFP	General	Increase in O & M payments to be considered at 10% rather than 5%.	No. Payments will be as per RFP only.
51	--	--	RFP	General	Scope of TSDF membership.	The Contractor has to get registered for TSDF membership.