

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

INDICATIVE LIST OF ELECTROMECHANICAL EQUIPMENT WITH TECHNICAL SPECIFICATIONS

S No.	Item Description	Materials of Construction (MoC)	Make
1	Bar Screen	Mild Steel tanks with Epoxy Paint (MSEP).	Any standard make.
2	Gates	MSEP.	---
3	Raw Sewage Transfer Pumps	CI / Alloy Steel	Kirloskar / any other equivalent.
4	Primary Flash Mixing Tank	MS with FRM lining.	---
5	Primary Flocculation Tank	MSEP.	---
6	Primary Flash Mixer	Shaft and propeller in SS 304	---
7	Primary Flocculator	Shaft in SS 304 and paddles in wood.	---
8	Chemical Tanks	HDPE/LDPE	--
9	Agitators	Shaft and paddle in SS 304	---
10	Primary Tube Deck Settling Tank	MSEP	---
11	Primary Tube Deck Media	PVC	---
12	Tanks for treatment (as per the proposed technology)	MSEP.	---
13	Air Blower	--	Kay/Everest/any other equivalent.
14	Diffusers	PVC with EPDM rubber.	---
15	Tanks Media (as per the proposed technology)	UV treated PP	---
16	Air Purging Unit	MS	---
17	Tertiary Flash Mixing Tank	MSEP	---
18	Tertiary Flocculation Tank	MSEP	---
19	Tertiary Flash Mixer	Shaft and Propeller in SS 304	---
20	Tertiary Flocculator	Shaft in SS 304 and Paddles in wood.	---
21	Tertiary Tube Deck settling Tank	MSEP	---
22	Tertiary Tube Deck Media	PVC	---
23	Intermediate Sump	HDPE/LDPE	---

24	Filter Feed Pump	Alloy Steel / CI body.	Kirloskar/Johnson/any equivalent.
25	Pressure Sand Filter	MSEP	---
26	Chlorine Contact Tank	MSEP	---
27	Chlorine Dosing System	HDPE/LDPE tank	---
28	Sludge Sump	HDPE / LDPE	---
29	Filter Press Feed Pump	Nitrate rubber stator & alloy steel rotor.	Alpha Helical/Roto/equivalent.
30	Filter Press	---	Sachin / Patel / Equivalent.
31	Poly-Electrolyte Dosing System (for Filter Press)	SS 304	Any standard make.
32	Railing & Plat Form	MS / GI.	---
33	Skid	Piping shall be in MSEP.	---
34	MCC & Cabling	Electrical Cabling: All inter connecting cabling within STP shall be in PVC insulated, armoured/unarmoured aluminium conductor of standard make. Cabling to be as for as possible to be underground.	All electrical items shall be of L & T, English Electric, GEC, Crompton, IMP, MECO, Indo Asian or Siemens.
35	Inter Connecting Piping & Valves	Piping: Piping shall be in HDPE / PVC /GI / CI/ UPVC; and All valves to be of polypropylene / CI / GM.	---

*Please note that the items mentioned in the above table are indicative and the Bidder based on the proposed technology has to give details of all the brought items that are required for Project development and also provide the make list of the same. The Technical Committee shall review the same and as appropriate may recommend changes in the Bidder's Specifications/Make, and in such cases the Bidder has to give an **"Undertaking"** that they shall carry out the modifications/change in makes as advised by the Technical Committee. The Financial Bids of such Bidders shall be opened subject to receiving the **"Undertaking(s)"** from such Bidder(s).