



ENVIRO AXIS

INDIA PVT. LTD.



Let's Reuse The Used

Ref No. EAIPL/PRO/23-24/295

Date: 04th December, 2023

To:

M/s. Modi Properties Pvt Ltd.

GV-1, Secunderabad –500003.

Kind Attn. : Mr. Mohammed Anwar Baig

(Sr. Engg.- Modi Properties Pvt. Ltd.)

Subject : Revised proposal for Design, Supply, Installation, Testing & Commissioning of ETP 45 KLD for your Hyderabad (GV-1) Unit.

Reference : With reference to your discussion with Mr. Rasheed Shaik.

Dear Sir,

With reference to the above subject; we are pleased to submit our Techno Commercial Proposal for above mentioned project as follows.

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- ❖ ANNEXURE I - RAW WATER & PERMEATE WATER ANALYSIS
- ❖ ANNEXURE II – CLIENT’S SCOPE
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- ❖ ANNEXURE V - PRICE & COMMERCIAL TERMS & CONDITIONS

We hope our offer is in line with your requirements & meets your approval. However, should you need any clarifications or further information, please feel free to contact us.

Assuring you of our best services.

Thanking you, we remain Yours faithfully,

For, ENVIRO AXIS INDIA PVT. LTD.,

SHAIKH BASHIR
DIRECTOR



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ANNEXURE I

Effluent Generation:

Effluent Quantity: 45 m³/day

Average Flow = 1.9 m³/hr

Number of working hours = 20.0 hrs.

Design Flow = 2.3 m³/hr

APPROX. QUALITY OF THE RAW EFFLUENT

SR. NO.	DETAILS	CONCENTRATION RAW EFFLUENT (Tentative value Considered)	CONCENTRATION TREATED EFFLUENT (Tentative value Considered)	UNITS
1.	pH	5 - 12	6 - 8	--
2.	Total Suspended solids	100 - 1000	<100 - 200	mg/lit
3.	Chemical Oxygen Demand	3000 – 15000	2000 – 12500	mg/lit
4.	Biochemical Oxygen Demand, 5 day, 27 °C	500 - 3000	500 – 3000	mg/lit
5.	Total Dissolved solids	1000 - 3000	1000 – 3000	mg/lit
6.	Oil & Grease	10 – 50	< 20	mg/lit
7.	Amonical Nitrogen	< 100	< 30	

ETP Treated Water Application: Discharge to CETP



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ANNEXURE II

CLIENT SCOPE OF SUPPLY

- 1) Any Local Mathadi Charges, Liaison and approval from statutory authorities.
- 2) During project execution, power and Fresh water supply
- 3) All Type of civil work.
- 4) Earthing And Incoming Cabling Up to Panel Shall Be Provided by Client. Necessary Main Earth Grid Connection to Panel & Earth Pit Shall Be Provided by Client.
- 5) Main effluent Line Connection Up to ETP Inlet & Treated Water Distribution Line.



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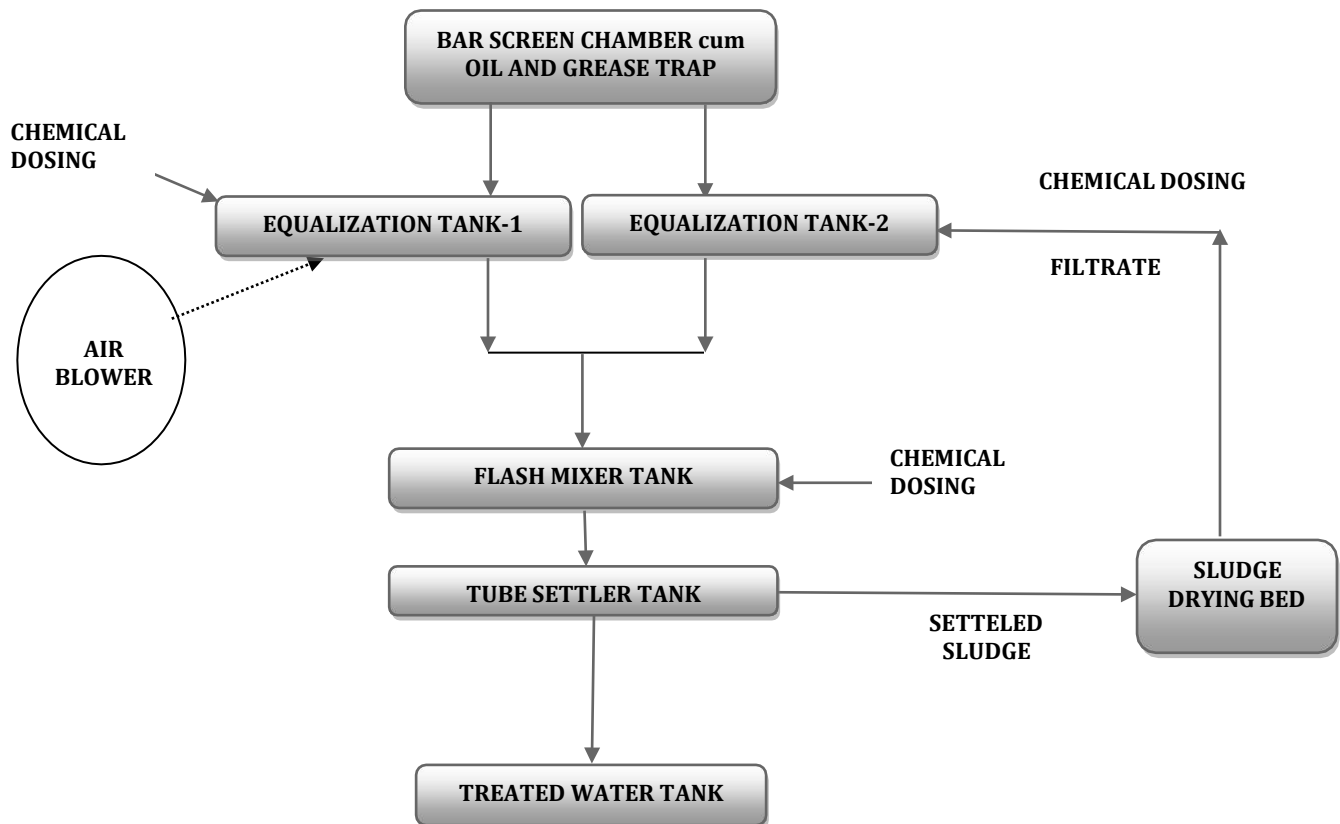


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ANNEXURE III

PROCESS FLOW SHEET

PROCESS FLOW SHEET -ETP





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ANNEXURE IV

TECHNICAL SPECIFICATION & SCOPE OF SUPPLY FOR ETP

A) PREFABRICATED TANKS: BY EAIPL

SR. NO	EQUIPMENT DESCRIPTION	SIZE/ CAPACITY	QTY.	MOC
1	Screen Chamber cum Oil & Grease	1.6 m ³ + 0.45 m FB	1 No.	MSFRP
2	Equalization Tank	18 m ³ + 0.4 m FB	1 No.	MSFRP
3	Flash Mixer Tank	1.0 m ³ + FB	1 No.	MSFRP
4	Primary Tube Settler Tank Along with 1 no. partition wall & 2 nos. hopper bottom	5.5 m ³ + FB + 2 Nos. hopper bottom	1 No.	MSFRP
5	Treated Water Tank	5 m ³ + 0.25 m FB	1 No.	MSFRP
6	Common Sludge Drying Bed for STP & ETP	1.7 m ³ m FB	1	MSFRP

NOTE : ABOVE TANKS WORK ARE INCLUDING OF MS WALKWAY & RAILINGS FOR TANK VIEW.

NOTE:

A) WE WILL USE 5 MM THICK MS EPOXY PAINTED SHEET TO FABRICATE THE TANKS. OTHER SUPPORT STRUCTURE, ANGLES, CHANNELS THICKNESS WILL BE MORE AS PER REQUIREMENT.

B) WE WILL PROVIDE ALL THE NECESSARY MS SUPPORTS FOR MEDIA, TANKS, ACCESS LADDER WITH RAILING 1 NO. IN ORDER TO TAKE VIEW OF TANK, etc.

C) FURTHER ANY EXTRA RAILING & COMPLETE SHADE ABOVE ALL THE TANKS AND SKID WILL BE IN CLIENT'S SCOPE.

D) SIZES & CAPACITIES MENTIONED ABOVE ARE TENTATIVE, IT CAN BE CHANGE AS PER SITE CONDITIONS & REQUIREMENTS.



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B) ELECTRO-MECHANICAL EQUIPMENTS

BAR SCREEN

01	Quantity	:	1 No.
	Make	:	EA/ Eq.
	MOC	:	SS 304

CAUSTIC DOSING SYSTEM

02	Dosing Tank: Quantity	:	One No.
	Dosing Tank: MOC	:	HDPE
	Dosing Tank: Volume	:	100 Ltrs.
	Accessories	:	2 Nos. Manual Operating valves

RAW EFFLUENT TRANSFER PUMP

03	Quantity	:	2W +1S
	Pump: Type	:	Self-priming centrifugal / Submersible
	Pump: MOC	:	CI
	Pump: Make	:	KBL/ Leo
	Flow	:	2.3 M ³ /Hr

ALUM DOSING SYSTEM

04	Quantity / Make	:	One No.
	Dosing Pump: Make	:	Minimax / E-dose
	Dosing Pump: Type / MOC	:	Electronic Diaphragm type Metering / PP
	Operating: Flow	:	0-10 LPH
	Dosing Tank: Quantity	:	One No.
	Dosing Tank: MOC	:	HDPE
	Dosing Tank: Volume	:	100 Ltrs.

Head Office : 17/A, First Floor, GNP Solitaire Industrial Premises, Near Vicco Naka, MIDC Phase 1, Dombivli (East), Thane, Maharashtra - 421201.

Branch Office GOA : House No.405/31, Behind Mandovi Clinic, Porvorim, Bardez, North Goa 403 501.

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PAC/POLY DOSING SYSTEM WITH AGITATOR

05	Quantity / Make	:	One No.
	Dosing Pump: Make	:	Minimax / E-dose
	Dosing Pump: Type / MOC	:	Electronic Diaphragm type Metering / PP
	Operating: Flow	:	0-10 LPH
	Dosing Tank: Quantity	:	One No.
	Dosing Tank: MOC	:	HDPE
	Dosing Tank: Volume	:	100 Ltrs.
	Chemical Dosing Agitator	:	Fast Speed Standing assembly as per Dosing Tank

FLASH MIXER AGITATOR

06	Quantity	:	One No.
	Gearbox Make	:	Bon figlioli
	MOC	:	SS 304 Shaft & Blades
	Agitator Type	:	Fast speed

TUBE SETTLER MEDIA

07	Quantity	:	One Lot
	Make	:	Aquatech Int/ Eq.
	MOC	:	PVC / PP

AIR BLOWER:

08	Quantity	:	1W + 1S
	Type	:	Twin lobe rotary type
	MOC	:	CI
	Make	:	USHA/Airvak/ Everest
	Motor Make	:	Compton / Siemens
	Capacity	:	40.0 m3/hr @ 0.4 kg/cm2 pressure
	Motor Power	:	2.0 HP

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SLUDGE TRANSFER PUMP

09	Quantity	:	1W
	Pump: Type	:	Centrifugal horizontal
	Pump: MOC	:	CI
	Pump: Make	:	KBL/ Leo
	Flow	:	5.0 M ³ /Hr @ 8 mtr head

CONTROL PANEL, CABLING-ACCESSORIES, PIPING-FITTING

10	Quantity	:	One No.
	Type	:	Standard Semiautomatic Control Panel with Contactor, Relay, On Off Switch, Indicating Lamp, Hooter, Auto-Manual selection, Non-Compartmental
	Cabling & Accessories	:	Copper flexible cabling within battery limit Cable Tray
	Piping & Fitting	:	Air Blower Header & Surface Air piping – MS/GI Pump interconnection, effluent transfer, Submerge air piping – PVC/UPVC

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ANNEXURE V

PRICE SCHEDULE AND TERMS AND CONDITIONS

A) PRICE SCHEDULE:

Sr. No.	Description	Basic Amount in INR. FOR Hyderabad
	Civil Excluded	
1.	OUR BASIC COST FOR DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF MECHANICAL, ELECTRICAL AND INSTRUMENT ITEMS AS PER THE LIST GIVEN IN TECHNICAL BID FOR EFFLUENT TREATMENT PLANT HAVING CAPACITY 45 KLD EXCEPT CIVIL WORK. (As per Annexure – IV Part A & B)	18,75,000.00
2.	Supply of Ozonator (Common for Both ETP & STP) Capacity – 75 gm/hr Dosing – Online Qty – 1 No.	2,20,000.00
	TOTAL	20,95,000.00

TERMS AND CONDITIONS:

Taxes & Duties	Extra at actual (At present GST 18%)
Transportation	Nil, (Included) in above price
Any local mathadi charges/ Statutory approvals	Client's scope
PAYMENT TERMS: 40 % advance against confirm work order. 40 % Against delivery of material at site. 20 % after Installation & Commissioning.	
Delivery Period: within 4 to 6 weeks from the date of Confirm Order & Drawing Approval.	
Installation Period: within 1 to 2 weeks from the date of Delivery of material at site (Subject to Civil works completion & Electrical Power supply from client)	
Warranty: we give warranty of the equipment for 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier. We guarantee the treated effluent quality requirements up to operation and maintenance.	
Offer Validity: 30 days.	

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