



Mangalore SEZ Limited

Mangalore Special Economic Zone
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CIN: U45209KA2006PLC038590

Replies to Pre-EOI Queries

06.07.2026

Name of Work:

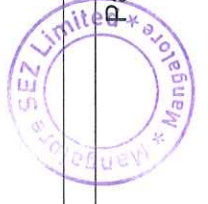
Expression of Interest for Establishment of 4.5MLD Capacity Tertiary Treatment Plant at the Common Effluent Treatment Plant In MSEZ

EOI Document Ref. No: MSEZL/4.5MLD TTP/EOI/2026

No	Reference Clause	Tender Description	Bidder Query	MSEZL's Replies												
1	EOI/Pg. No.6	16. Water Quality Variability considerations	Both Clauses regarding the flow and Quality variations are contradictory.	As informed, approximately 80% of the CETP capacity is utilized for treating effluent generated by fish processing industries. The quantity and characteristics of the effluent vary depending on the fish catch and the type of fish being processed. For design purposes, the maximum flow to the TTP shall be considered as 4.5 MLD. The influent quality shall remain the same as specified in the EOI (Page No., Point No. 14) and has been considered accordingly for the design.												
		<table><tr><th>Parameter</th><th>Expected variation range</th></tr><tr><td>Flow</td><td>±25%</td></tr><tr><td>COD</td><td>±20%</td></tr><tr><td>TSS</td><td>±20%</td></tr><tr><td>Amm. Nitrogen</td><td>±20%</td></tr><tr><td>TDS</td><td>±15%</td></tr></table>	Parameter		Expected variation range	Flow	±25%	COD	±20%	TSS	±20%	Amm. Nitrogen	±20%	TDS	±15%	We understand that plant shall be designed to handle upper limit of variation for flow as well as quality parameters; i.e. 4.5MLD flow +25% variation =5.62 MLD and similarly for COD/TSS/Amm. Nitrogen/TDS. Because it will directly impact on Capex as well as Opex of plant significantly.
		Parameter	Expected variation range													
		Flow	±25%													
		COD	±20%													
		TSS	±20%													
		Amm. Nitrogen	±20%													
TDS	±15%															
Point no.2	Kindly confirm whether to consider point No.14 table for design perspective or to consider above stated the variation on rated capacity /parameter for design.															
There is minimal variation in the influent water quality through the year.																
As per Pre-EOI query reply 01.07.2026.																



No	Reference Clause	Tender Description	Bidder Query	MSEZL's Replies
2.	EOI/Pg. No. 5 & 6 As per Pre -EOI query reply 01.07.2026, Point No.12	16. Water Quality Variability Considerations Amm. Nitrogen =100-150ppm (±20%) Annexure -01: CETP Design parameter Amm. Nitrogen =50ppm.	As mentioned in both design parameter criteria, if Amm. Nitrogen then at existing CETP inlet is 50ppm then technically, TTP inlet value should be less than 50ppm after two stage biological treatment in existing CETP. While Amm. Nitrogen is provided of 100 -150 ppm at CETP outlet (TTP inlet) for further designing. Kindly confirm that, Amm. Nitrogen design limit for TTP inlet is 50pp.	There was a typographical error in the Annexure 1 CETP design parameters. The Ammoniacal Nitrogen (NH ₃ -N) concentration at the TTP inlet shall be considered as 100-150 mg/L (ppm) for design purposes.
3.	EOI/Pg. No.2	2. Background At present, the CETP is utilized by fish processing industries (up to 3.9MLD) and a specialty chemicals unit (0.3MLD), after adequate pre-treatment at the individual unit's accordance with the CETP agreement between MSEZL and the respective units. Pont No. During June & July, no fish industry effluent will be generated resulting in lower pollutant load.	We understand that during June & July month only the special chemical unit will be operating and the TTP inflow will be around 300-500KLD, so plant shall be operative as per these chemical industrial units' effluent parameters. Kindly provide the tentative effluent parameter limits during reduced inflow period.	The tentative effluent parameter limits during reduced inflow period are as below: COD – 500-1500mg/l, BOD – 200 - 400mg/l, TSS – 40-200mg/l, Amm. Nitrogen – 50 -150mg/l, TDS – 300-2000mg/l
4.		Geotechnical investigation and topographical details	Kindly share the geotechnical investigation report including SBC & Ground water level as well as topographical contour data of site	Will be shared during EPC tender stage.



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5.		Design basis for plant operating hrs	We understand that plant shall be designed for 20 operating hrs for consistent reliability and availability of plant. Please confirm.	The plant shall be designed considering an operating duration of 20 hours per day .
6.		Flux for Uf & RO system	There is no specific guideline for design flux for membrane-based system (UF & RO), Kindly specify the same to set common platform for all bidder, as it is major price governing criteria.	The bidder shall determine the appropriate option based on the required quality and membrane life.
7.		Additional effluent parameters	As RO system is completely dependent on TDS breakup for recovery and any additional pre-treatment, otherwise there is no authenticity of design based on any assumptions. We request the following additional parameters of effluent at TTP inlet: . Hardness . Heavy metal . Na (Sodium) . Cl (Chloride) . SO4 (Sulphate) . Ca as CaCO3 . Mg as CaCO3	Additional parameters of effluent at TTP inlet are as follows: Heavy metals Lead <0.05 Mercury <0.01 Cadmium <0.1 Arsenic <0.1 Hexavalent chromium < 0.05



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			. SiO2 (silica) . F (Fluoride) . Bi -Carbonate	
		Site visit permission	We would like to visit the existing facility before EOI submission for better evaluation and understanding. Kindly allow the permission for the site visit.	Yes, you can visit the plant.

All other terms & conditions of the tender remain unchanged.


 Chief Executive Officer
 Mangalore SEZ Limited

