

Name of the work: Upgradation of Community Health Centre at Cacora, Curchorem- Supply, Installation, Testing and Commissioning of 100 KLD Electrolytic Sewage Treatment Plant (4th Call)



Tender Notice No.: **GSIDC/ENGG./NIT-21/2020-2021 , Dated:28/05/2020**

Pre-bid queries received on.: **05/06/2020**

COMMON SET OF DEVIATIONS

SR. NO.	VOLUME / CHAPTER/ CLAUSE / ITEM NO.	CLARIFICATION SOUGHT/CHANGES SUGGESTED BY THE PROSPECTIVE BIDDERS	CONSULTANTS REMARKS / DECISION OF M/S GSIDC
1.	Volume II	Incoming raw influent parameters.	Raw Effluent / Domestic Sewage Parameters - COD-600-900 mg/ l BOD-300-400 mg/ l
2.	Volume II	Treated water parameters of the electrolytic stp.	Treated Water Parameters- COD-300-450 mg/ l BOD-150-200 mg/ l

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3.	Volume II	What are the latest norms/parameters prescribed by Goa state Pollution control board?	<p>As per Ministry of Environment, Forest and Climate Change Notification, New Delhi, November 2015, Government of India Guidelines, the quality of the treated effluent should be as per the following standards:</p> <table border="1" data-bbox="1238 373 1948 730"> <tr> <td>pH</td> <td>Between</td> <td>5.5 & 9.0</td> </tr> <tr> <td>Suspended Solids</td> <td>Exceed</td> <td>Not more than 20</td> </tr> <tr> <td>C</td> <td>Exceed</td> <td>10 mg/L</td> </tr> <tr> <td>COD</td> <td>Exceed</td> <td>50 mg/L</td> </tr> <tr> <td>Oil & Grease</td> <td>Exceed</td> <td>10 mg/L</td> </tr> <tr> <td>NH4-N</td> <td>Exceed</td> <td>5 mg/L</td> </tr> <tr> <td>N-Total</td> <td>Exceed</td> <td>10 mg/L</td> </tr> <tr> <td>Fecal Coliform</td> <td>Less than</td> <td>100 MPN/100ml</td> </tr> <tr> <td>Bio-assay test</td> <td></td> <td>96 hours in 100% effluent</td> </tr> </table>	pH	Between	5.5 & 9.0	Suspended Solids	Exceed	Not more than 20	C	Exceed	10 mg/L	COD	Exceed	50 mg/L	Oil & Grease	Exceed	10 mg/L	NH4-N	Exceed	5 mg/L	N-Total	Exceed	10 mg/L	Fecal Coliform	Less than	100 MPN/100ml	Bio-assay test		96 hours in 100% effluent
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4	Volume II	Is consent from GSPCB required, for this project?	Yes, necessary consent to be obtained from GSPCB.																											
5		Is treatability study done for hospital sewage project?	Yes.																											
6		<p>Are you sure influent water sources from hospital is</p> <ol style="list-style-type: none"> a. Wash room. b. Kitchen. c. Toilets. <p>as mentioned in tender?</p>	Yes, the influent water source to the E-STP will be domestic sewage only i.e. from the washrooms, toilets and kitchen of the hospital.																											
7	Volume II	<p>Primary scheme is mentioned in tender document, Is there any provision for secondary treatment? Is there any provision for tertiary treatment? Is it required?</p>	Strictly as per tender specifications.																											

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8		<p>It is mentioned that treated water to be used for toilet flushing?</p> <p>What are the parameters for toilet water flushing?</p> <p>If this water remains in flushing tank, what will happen?</p> <p>If algae or Bacterial growth takes what needs to be done?</p>	<p>No. Treated water will be used for gardening activities any other suitable use.</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>Not applicable.</p>
9	Volume II	<p>Is ZLD provision made in the project?</p> <p>What if treated water is excess?</p>	<p>Zero discharge is possible in e-stp.</p> <p>Treated water tank capacity and size is strictly as per tender</p>
10		<p>Why recycling/re-usage of treated water?</p>	<p>Recycling is beneficial for the environment. Treated water will be used for gardening activities any other suitable use.</p>
11	Volume II	<p>What is to be recommended to hospital?</p> <p>STP Or ETP Or STP – ETP combination.</p>	<p>Electrolytic Sewage Treatment Plant is recommended for the hospital under reference.</p>
12	Volume III	<p>Is civil tank construction is contractor scope?</p>	<p>Yes, and other civil works as per the tender.</p>

13	Volume II	<p>List of makes nicely done for civil. Is it required for electrolytic stp? What is the make recommended for following</p> <ol style="list-style-type: none"> a. Ioniser. b. Pumps. c. Motors. d. Electrolytic cell. e. Sand filter. f. Activated carbon filter. <p>Or this should be considered in contractor scope who is doing detail engineering.</p>	<ol style="list-style-type: none"> 1. Ioniser- Crompton / Kirloskar Or Equivalent 2. Pumps & Motors – Strictly as per tender. 3. Electrolytic Cell- No specific makes are defined. 4. Sand Filter- No specific makes are defined. 5. Activated Carbon Filter - No specific makes are defined <p>For point No. (3), (4) & (5) the makes will be finalized as per decision of Engineer-in-charge after assessing the technical specifications.</p> <p>All this will be part of scope of work of contractor executing the work under reference.</p>
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