Operation and Maintenance of Yuregir Wastewater Treatment Plant

Scope:
Operation services of described wastewater treatment plant for 3 months including supply of operational personnel and maintenance staff, disposal of screening and sludge services.

Plant Description:
Pre-Treatment
• Screening
• Grit & Grease Removal
• Primary Sedimentation

Biological Treatment
• Aeration Tanks with Blower-Diffuser Aeration
• Biological Nitrogen and Phosphorus Removal
• Secondary Sedimentation

Sludge Treatment
• Sludge Thickening
• Sludge Dewatering with Beltpress
• Anaerobic Sludge Digestion

Gas System
• Gas Storage
• Gas Desulphurization
• Cogeneration Unit
• Gas Flare

Odour Removal System
• Bioreactor
• Ventilation system

Capacity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Influent</th>
<th>Effluent</th>
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<tbody>
<tr>
<td>BOD (mg/l)</td>
<td>255</td>
<td>151</td>
</tr>
<tr>
<td>COD (mg/l)</td>
<td>528</td>
<td>51</td>
</tr>
<tr>
<td>TSS (mg/l)</td>
<td>220</td>
<td>12</td>
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