Karaisali Wastewater Treatment Plant

Scope:
Operation services of described wastewater treatment plant for 12 months including supply of operational personnel and maintenance staff, disposal of screening and sludge services.

Plant Description:
Pre-Treatment
- Screening
- Grit & Grease Removal

Biological Treatment
- Biological treatment based on Carousel design, Nitrogen and Phosphorus Removal
- Secondary Sedimentation

Sludge Treatment
- Sludge Thickening
- Sludge Dewatering with Beltpress

Capacity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Influent</th>
<th>Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>COD (mg/l)</td>
<td>355</td>
<td>40</td>
</tr>
<tr>
<td>BOD₅ (mg/l)</td>
<td>220</td>
<td>10</td>
</tr>
<tr>
<td>TSS (mg/l)</td>
<td>220</td>
<td>9</td>
</tr>
</tbody>
</table>

Flow: 1,200 m³/day
Population Equivalent: 10,000 PE