**Bursa Organized Industrial Zone Domestic and Industrial Wastewater Treatment Plant**

**Scope:**
Maintenance-repair and operation services of described wastewater treatment plant for 12 months.

**Plant Description:**

**Pre-Treatment**
- Screening
- Grit & Grease Removal
- Equalization and Pumping Station

**Chemical Treatment**
- Coagulation and Flocculation
- Primary Sedimentation

**Biological Treatment**
- Aeration Tanks with Blower - Diffuser Aeration
- Biological Nitrogen, Chemical Phosphorus Removal
- Secondary Sedimentation

**Sludge Treatment**
- Sludge Thickening
- Sludge Dewatering System with Beltpress (1st Stage)

**Capacity**

<table>
<thead>
<tr>
<th>Flow</th>
<th>100,000 m³/day</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Influent</th>
<th>Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOD₅ (mg/l)</td>
<td>500</td>
<td>85</td>
</tr>
<tr>
<td>COD (mg/l)</td>
<td>1,000</td>
<td>250</td>
</tr>
<tr>
<td>TSS (mg/l)</td>
<td>600</td>
<td>90</td>
</tr>
<tr>
<td>TN (mg/l)</td>
<td>70</td>
<td>10</td>
</tr>
<tr>
<td>TP (mg/l)</td>
<td>10</td>
<td>1</td>
</tr>
</tbody>
</table>

**Location**
Bursa / TÜRKİYE

**Client**
Bursa Organized Industrial Zone

**Contractor**
1st Stage
MASS - TEKSER Consortium

2nd Stage
MASS

**Completion Date**
Operation
1st Stage: 2002
2nd Stage: 2007

**Financial Resource**
Own resources of Bursa Chamber of Commerce and Industry

**Scope**
Operation of the plant for both stages.