



**SEWAGE TREATMENT PLANT**  
**A<sub>2</sub>O ACTIVATED SLUDGE PROCESS - ULTRAFILTRATION**  
**20 MLD, HMDA, HYDERABAD**



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|-------------------|---|
| Client            | Hyderabad Metropolitan Development Authority, Hyderabad   |
| Contractor        | Triveni Engineering & Industries Ltd.   |
| Project Cost      | INR 280.0 Million   |
| Scheme            | JICA  |
| Status            | Completed   |
| Salient Features  | <ul style="list-style-type: none"><li>• Anaerobic, Anoxic &amp; Oxic Activated Sludge process for biological nutrient removal followed by Membrane Filtration (UF System) &amp; Disinfection</li><li>• Plant designed to achieve treated sewage parameters as under for discharge in to Hussain Sagar Lake:<br/>BOD : &lt; 2 mg/L.<br/>COD : &lt; 70 mg/L<br/>TSS : &lt; 2 mg/L.<br/>Turbidity : &lt; 2 mg/L.<br/>TN : &lt; 10 mg/L</li><li>• Plant Operation with PLC/SCADA System</li></ul> |
| Services Provided | <ul style="list-style-type: none"><li>• Preparation of Basic Engineering Design (Process &amp; Hydraulic)</li><li>• Detailed Engineering including Preparation of G.A. Drawings &amp; Civil Design, Piping, Electro-mechanical &amp; Instrumentation Works</li></ul>  |