



**SEWAGE TREATMENT PLANT  
UPFLOW ANAEROBIC SLUDGE BLANKET  
43 MLD, VMC, KAPURAI, VADODARA**



<b>Client</b>	Vadodara Municipal Corporation, Vadodara, Gujarat
<b>Contractor</b>	Rajkamal Builders Infrastructure Pvt. Ltd., Ahmedabad
<b>Project Cost</b>	INR 255.5 Million
<b>Scheme</b>	JnNURM
<b>Status</b>	Completed
<b>Salient Features</b>	<ul style="list-style-type: none"><li>• Treatment - UASB process followed by Extended Aeration</li><li>• Major Units of STP comprises of<ul style="list-style-type: none"><li>✓ Terminal Sewage Pumping Station comprising of 900 m<sup>3</sup>/hr Submersible Non-clog sewage pumps, 67KW motor rating, 6 Nos. (4W + 2S)</li><li>✓ Inlet Unit (Stilling Chamber, Mechanical Fine Screen Chamber, Mech. Grit chamber, Flow Measuring Channel)</li><li>✓ UASB Reactor</li><li>✓ Pre-Aeration &amp; Aeration Tank</li><li>✓ Secondary Clarifier</li><li>✓ Return Activated Sludge sump &amp; Pump Houses</li><li>✓ Sludge Thickener</li><li>✓ Gas Holder &amp; Gas Flaring System</li><li>✓ PLC based controls for Level based auto operation of Sewage Pumps at SPS &amp; for Captive Power Generation Plant</li></ul></li></ul>
<b>Services Provided</b>	<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>