

# ***PROJECT HANDLED BY VEMC AT M.C.G.M MATUNGA.***



**Municipal Corporation of Greater Mumbai wanted to replace four 900 mm diameter eccentric plug valves at Matunga pumping Station. These valves were installed 20 years ago and due to continuous operation they had worn out and developed leakages which was affecting the Sewage water supply and leading to contamination in the pump house . The earlier valves were DZURIK make. As these Valves were made in USA and due to unavailability of spares and higher costs of imported spares, M.C.G.M decided to procure Indigenous Valves as they were economical and also service and spare parts were better and easily accessible. M.C.G.M floated a tender and following which VEMC were entrusted with this project.**



**The Challenge in carrying out the work was that these valves were installed in a vertical Pipe line and the locations of these valves were about four meters above the floor level and the floor level was around 15 Meters below the ground level. The weight of each Plug valve was around 6.5 MT and the crane available inside the pump house was of 5.0 MT lifting Capacity and also the working space available was very restricted.**

**To overcome this challenge, we designed and fabricated proper working platform (stationary as well as moving) and lifting arrangement considering all safety factors.**

**The commendable part of this job was that we were able to successfully complete the project in record time of 6 weeks from date of receipt of material at site without any accident or damage to municipal property and staff. The total downtime provided was 8 hours (i.e 4hours for dismantling of existing valves and pipes and 4 hours for the erection and commissioning of new**



**After successful implementation of valves the testing of the pumping system was done and it was observed that the system is working more efficiently than before.**

