

## **Success Story:**

### **Treated sewage from Surat STP-reuse in Pandesara Industrial Estate, Surat**

Bamroli Sewage Treatment Plant (STP) in Surat City has secondary treatment system with capacity of 100 MLD sewage treatment, out of which 40 MLD sewage, after tertiary treatment is supplied to Pandesara Industrial estate which mostly houses textile processing industries. Earlier, whole of treated sewage was being discharged in to Koyali Khadi which leads to estuary zone of Mindhola River. Surat Municipal Corporation (SMC) commissioned this tertiary treatment plant in February 2014 with capital cost Rs. 85.10 crores and completion time of 18 months. Payback period is anticipated 6 years. The tertiary treatment consists of Sand Filtration, Ultra-filtration (UF), Reverse Osmosis (RO) and Activated Carbon Filter (ACF).

SMC and Pandesara Green Environment and Water Welfare Co. Soc. Ltd (PAGREW) – a co-operative body of Pandesara Industries has signed Memorandum of Agreement (MoA) for supply of industrial grade water (tertiary treated sewage). Further, Pandesara Industries Association has shown preparedness for additional 40 MLD and SMC has approved the proposal for augmenting Bamroli TTP from 40 MLD to 80 MLD and it is now at planning stage. Sachin Industries Association has also approached SMC for supply of treated sewage. Tertiary treatment plant (40 MLD) at Dindoli for Sachin GIDC at pre-planning stage.

This helps in SMC to reduce pressure on water resources in the city, reduction in diversion of drinking water for non-potable purposes, diversion of drinking water in other areas, minimization of dependency of Pandesara Industrial Units on bore-wells and private tanker operators, revenue generation for Surat Municipal Corporation etc.

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