

PROJECT monitor

Bawana CETP to serve 20,000 industrial units

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Milestone: The new Bawana common effluent treatment plant in Delhi is DSIIIC's 13th CETP.

Delhi Chief Minister Sheila Dikshit recently inaugurated a 35- mld common effluent treatment plant at Bawana in northwest Delhi. The plant has been built by SPML for Delhi State Industrial and Infrastructure Development Corporation.

This is the 13th CETP developed by DSIIDC. The previous ones were constructed at Wazirpur, Mangolpuri, Mayapuri, Lawrence Road, Jhilmil, Badli,

Okhla Industrial Area, GTK Road, S.M.A Industrial Area, Nangloi, Naraina and Narela for the treatment of effluent generated in these industrial areas. Out of the 13 CETPs of DSIIDC, SPML has constructed four of them, namely Okhla Industrial Area, Naraina Industrial Area, Lawrence Road and the one at Bawana.

The wastewater generated by the industries in Bawana would be transported to the CETP by pumping effluent through raw effluent pumping stations through rising mains. The treated water is fit for reuse for horticulture and will be used in the green belt and parks of Bawana.

Built at a cost of `53.74 crore over a 53,000 sq. metre area, the Bawana CETP will serve more than 20,000 industrial units. It may be noted that the Bawana industrial area was developed to accommodate most of the polluting industries which were sealed by the government following a Supreme Court order. Bawana is located 23 km northwest of Delhi and comes in urban extension Zone 'N' of Delhi, bounded by Western Yamuna Canal to the northeast, Rohtak Railway line in south, a 100-metre wide road in southeast, and Haryana border to the west and northwest.

SPML is responsible for the operation and maintenance of Bawana CETP for a three-year period before handing it over to DSIIDC. The common effluent treatment plant is based on the state-of-the-art technology having three-tier treatment i.e. primary, secondary and tertiary treatment.

The CETP is equipped with the treatment facilities which can remove suspended solid, BOD, COD and other pollutants of the effluent. The main units of the CETP are screen chambers, O&G removal tank, grit chamber, equalisation tank, chemical treatment, clarifiers, aeration tanks, tube settlers, rapid sand gravity filter, and centrifuge. The CETP has an outlet effluent COD level of 80-120 mg/l and BOD of 18-26 mg/l against 250 mg/l and 30 mg/l, the EPA standards of treated effluent respectively.

Rishabh Sethi, Chief Operating Officer, SPML Infra, commented, "The orders from our institutional clients are a testimony of our capabilities in executing large water and wastewater projects. Through our efforts in wastewater treatment, we are contributing to society by not letting wastewater harm our delicate ecosystems but recycled for further use."

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