



The 540 MW power plant has a 275m tall chimney, which ensures adequate dispersion of pollutants. High efficiency (99.8%) ESP's have been provided for effective collection of the dust particles.

Zero water discharge concept has been adopted at CPP-540 MW based on the principle of recycling of cooling tower overflow water & reuse of the ETP treated water. Our concentrated efforts under this project yielded massive reduction in overall water consumption apart from awareness among us as how to conserve water resources effectively.

Benefits:

- Survival time of plant increased to 8 hrs from 4 hrs*
- Saving of water*
- Savings of Chemicals with increase in COC of Cooling water*
- Enhance Compressor & Chiller coolers life with circulation of treated water*

Solid Waste Management :

BALCO generates millions of tonnes of fly Ash every year from its Captive Power Plants, most of which is supplied to cement industries and partly to the brick manufacturers. BALCO has taken initiative of carrying out fly ash management by involving the villagers in the fly ash brick making. BALCO has bought brick making machines and have installed them in two villages. Training has been imparted to villagers for fly ash brick making. Fly ash is supplied free of cost to them and they make their own livelihood by selling these bricks in the local market.

*Ash Handling & Disposal System
(High Concentration Slurry disposal System)*

