

Data Analysis of Ganga Cleansing Project

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Abstract

River Ganga. River Ganga traverses through Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal and thereafter enters Bangladesh. The important tributaries of Ganga are the Yamuna, the Kali, the Ramganga, the Ghaghra, the Gandak, the Kosi, and the Sone.

The cluster of polluting industries in Kashipur and Moradabad discharge their effluent in river Ramganga and that of Meerut and Modinagar in river Kali. Both these tributaries contribute pollution in river Ganga in the vicinity of Kannauj. The tannery cluster in Kanpur also discharges substantial amount of industrial effluent in the river. River Ganga is polluted by Faecal Coliforms bacteria in its entire length to variable degree whereas the level of BOD an indicator of organic pollution is largely exceeding the criteria in the stretch that spans from Kannauj to Tarighat.

The diversion of water of River Ganga through Upper and Lower Ganga canals, leaves virtually very little or no flow in the main river. In absence of adequate flow the unabated discharge of treated sewage, even with 100% treatment, and BOD level of 30 mg/l, cannot bring the river water quality to bathing level in lean season flow. To achieve the goal of river water quality minimum flow is required to be maintained throughout the year to support the eco-system in general and all forms of aquatic life in particular and ultimately maintain the wholesomeness of river Ganga. Central Pollution Control Board, in association with the State Pollution Control Boards of Uttarakhand, Uttar Pradesh, Bihar, and West Bengal, has established a monitoring network to quantify water quality of the Ganga and suggests measures for improving the quality.

The data presented in this paper has been assessed, processed and compiled by Sh. Vishal Gandhi, Scientist, 'C', Sh. R M Bhardwaj, Scientist 'D', Sh.A.K.Sinha, Scientist 'D' and Ms. Garima Dublith, Research Associate under the supervision of Sh. JS Kamyotra, Member Secretary.

Central Pollution Control Board has a network of 57 water quality monitoring stations on river Ganga and monitoring 9 core parameters regularly

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