



Dr Vinod Tare
Professor & Founding Head - cGanga

February 4, 2023

Shapoorji Pallonji And Company Pvt Ltd
Nagindas Master Road, Fort Mumbai
400001 Maharashtra India

Subject: Performance Assessment of Various STPs in Kanpur
Ref: IITK_LoI_01 dated: May 30, 2022

Shapoorji Pallonji and Company Pvt Ltd vide their order No IITK_LoI_01 dated: May 30, 2022 requested to carryout 24 hr composite sampling through collection of grab samples at 2 hr interval and analysis of various composite samples prepared by mixing grab samples in proportion to the measured flows at the inlet and outlet of 130 MLD STP (Jajmau Kanpur), 43 MLD STP (Jajmau Kanpur), 42 MLD STP (Sajari, Kanpur), and 210 MLD STP (Bingawan, Kanpur) for certain parameters.

The samples were collected by sampling team of cGanga, IIT Kanpur in presence of representatives from Shapoorji Pallonji and Co. Pvt Ltd and GPCU, UPJN during January 18-24, 2023.

The preservation and analysis of the samples were done as per the Standard Methods (Standard Methods for the Examination of Water and Wastewater, APHA). The analysis of the sample for the requested parameters started immediately after bringing it to laboratory. The results of the analysis are reported in following table.

Estimated Parameter Values of Various STPs in Kanpur

Location	Date of Sampling	TSS (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal Coliform	Total Coliform
130 MLD, Jajmau (Inlet)	January 18-19, 2023	468	200	512	2.30E+07	1.30E+08
130 MLD, Jajmau (Outlet)	January 18-19, 2023	54	48	160	2.30E+05	5.00E+05
43 MLD, Jajmau (Outlet)	January 18-19, 2023	32	24	96	2.30E+05	3.00E+05
42 MLD, Sajari (Inlet)	January 23-24, 2023	512	218	544	3.00E+05	1.30E+06
42 MLD, Sajari (Outlet)	January 23-24, 2023	24	22	102	1.10E+02	2.20E+02
210 MLD, Bingawan (Inlet)	January 19-20, 2023	478	208	528	3.00E+07	2.40E+08
210 MLD, Bingawan (Outlet)	January 19-20, 2023	108	92	224	1.30E+05	3.00E+05

NOTE: The results presented are on basis of one-time analysis of the samples collected by cGanga, IIT Kanpur.

(Vinod Tare)