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 Professor & Founding Head - cGanga

July 5, 2023

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

**Subject: Performance Assessment of Various STPs in Kanpur**

*Ref: Email dated May 11, 2023*

Shapoorji Pallonji and Company Pvt Ltd via email dated May 11, 2023 requested to carryout 24 h composite sampling through collection of grab samples at 2 h 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 June 14-20, 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)	June 16-17, 2023	478	180	496	5.00E+07	9.00E+08
130 MLD, Jajmau (Outlet)	June 16-17, 2023	38	28	108	3.00E+05	1.30E+06
43 MLD, Jajmau (Outlet)	June 16-17, 2023	40	26	92	2.30E+05	5.00E+06
42 MLD, Sajari (Inlet)	June 19-20, 2023	472	180	480	3.00E+04	8.00E+06
42 MLD, Sajari (Outlet)	June 19-20, 2023	32	22	82	1.40E+02	2.20E+03
210 MLD, Bingawan (Inlet)	June 14-15, 2023	488	200	512	3.00E+07	1.30E+08
210 MLD, Bingawan (Outlet)	June 14-15, 2023	92	60	170	2.30E+06	5.00E+07

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

  
 (Vinod Tare)