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May 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: 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 April 19-24, 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)	April 21-22, 2023	482	200	526	3.40E+07	3.00E+08
130 MLD, Jajmau (Outlet)	April 21-22, 2023	48	39	146	3.00E+05	5.00E+05
43 MLD, Jajmau (Outlet)	April 21-22, 2023	32	22	108	2.30E+05	3.00E+05
42 MLD, Sajari (Inlet)	April 24-25, 2023	478	180	494	3.00E+06	2.20E+07
42 MLD, Sajari (Outlet)	April 24-25, 2023	22	18	102	1.20E+02	2.20E+03
210 MLD, Bingawan (Inlet)	April 19-20, 2023	496	210	558	8.00E+07	1.70E+08
210 MLD, Bingawan (Outlet)	April 19-20, 2023	136	108	232	2.30E+06	5.00E+06

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

  
(Vinod Tare)