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September 8, 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.

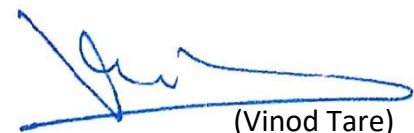
The samples were collected by sampling team of cGanga, IIT Kanpur in presence of representatives from Shapoorji Pallonji and Co. Pvt Ltd and GPCU, UPJN during August 22-27, 2023.

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)	August 24-25, 2023	466	164	464	3.00E+06	2.40E+07
130 MLD, Jajmau (Outlet)	August 24-25, 2023	32	22	92	3.00E+04	1.10E+05
43 MLD, Jajmau (Outlet)	August 24-25, 2023	34	20	80	2.30E+04	8.00E+05
42 MLD, Sajari (Inlet)	August 26-27, 2023	388	156	402	2.30E+04	1.30E+06
42 MLD, Sajari (Outlet)	August 26-27, 2023	26	14	62	8.00E+01	2.30E+03
210 MLD, Bingawan (Inlet)	August 22-23, 2023	414	176	372	2.30E+06	1.70E+07
210 MLD, Bingawan (Outlet)	August 22-23, 2023	40	36	124	2.30E+05	5.00E+06

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



(Vinod Tare)