ভারতীয় প্রযুক্তিবিদ্যা প্রতিষ্ঠান খড়গপুর
भारतीय प्रौद्योगिकी संस्थान खड़गपुर
Indian Institute of Technology Kharagpur

PLATINUM JUBILEE

পুর প্রকৌশল বিভাগ / सिविल अभियांत्रिकी विभाग / Department of Civil Engineering

WATER TESTING REPORT

No.: IIT/CE/ENV/SG/2026-2027/01 **Date : 18.08.2026**

Name of the Client: PM Shri Kendriya Vidyalaya No.1, IIT Kharagpur

Subject: Testing of Drinking Water

No. of Sample: 01 (One)

Sl.No	Parameter	Result	Unit	Maximum Permissible Limit
1	pH	7.3		6.5 – 8.5
2	Turbidity	1.2	NTU	10
3	Conductivity	250	uS	-
4	Total Suspended Solid	1.0	mg/l	-
5	Total Fixed Solid	136	mg/l	2000
6	Volatile Solid	42	mg/l	200
7	Total Alkalinity	108	mg/l	600
8	Hardness	100	mg/l	600
9	Iron	0.0	mg/l	1.0
10	Residual Chlorine	0.0	mg/l	1.0
10	Fluoride (SPADNS Method)	0.23	mg/l	1.5
11	Arsenic (SDDC Method)	BDL	mg/l	0.05
12	TOC	0.34	mg/l	-
13	Total Coliform (Plate Count Method)	0.0	CFU/100ml	10
14	Total Coliform (Plate Count Method)	0.0	CFU/100ml	0.0

Remarks: Water quality is satisfactory and all the tested parameters are within the permissible limit.
Note: BDL (Below Detection Limit)
CFU (Coliform Unit)

Sudha Lael

Laboratory in charge

Environmental Engineering & Management Laboratory

Civil Engineering Department

IIT Kharagpur

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