



District Level Water Testing Laboratory, Giridih
Barganda, South of Power house more, Near
Sankatmochan Mandir, Giridih-815301
Email: dlwtgiridih@gmail.com

Test Report

Report No:	GRD-15	Issue Date:	03/12/22
Issued To: (Name & Address of Customer)	Model school Dumri UDISE-20060410709	Order Ref. No.:	
Date of Start Analysis:	19/11/22	Sampling:	Not done by laboratory
Date of Completion Analysis:	19/11/22	Sample Received Date:	18/11/22
		Environmental Condition of laboratory Temperature:	24 °C Humidity: 59 %

Sl. No.	Parameter	Unit	Result	Method Reference	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015	
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)
1	pH	-	7.2	APHA 23 rd Edition 2017-4500-H ⁺ B, (Electrometric Method)	6.5 – 8.5	No relaxation
2	Turbidity	NTU	0.1	APHA-23 rd Edition 2017-2130-B, (Nephelometric-method)	1	5
3	Total Dissolved Solids	mg/L	201	APHA 23 rd Ed.2017-2540 C, (Total Dissolved Solids Dried at 180°C)	500	2000
4	Total Hardness as CaCO ₃	mg/L	160	APHA-23 rd Edition 2017-2340-C (EDTA Titrimetric method)	200	600
5	Total Alkalinity as CaCO ₃	mg/L	152	APHA-23 rd Edition 2017-2320-B, (Titration Method)	200	600
6	Calcium as Ca ⁺	mg/L	16.03	APHA-23 rd Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7	Magnesium as Mg ⁺	mg/L	29.16	APHA-23 rd Edition 2017-3500-Mg-B, (Calculation Method)	30	100
8	Chloride as Cl ⁻	mg/L	26	APHA-23 rd Edition 2017-4500 Cl ⁻ B, (Argentometric method)	250	1000
9	Fluoride as F ⁻	mg/L	1.0	APHA 23 rd Ed.2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
10	Colour	HU	0	Visual comparison	5	15
11	Odour	-	Agreeable	Observation	Agreeable	Agreeable
12	Taste	-	Agreeable	Observation	Agreeable	Agreeable

Notes: -

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- ♦ All disputes are subjected to the Giridih Jurisdiction.
- ♦ BDL=Below Detection Limit.

03/12/22

Authorized Signatory
Technical Manager
District Level Water Testing Laboratory
D W & S Deptt., Giridih