District Level Water Testing Laboratory

(Government of Jharkhand)
Office of The Executive Engineer (DWSD),
Bhelatand Water Treatment Plant Campus, Dhanbad-826004.
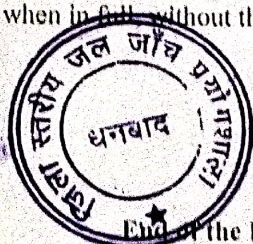### Email: dlwtl.dhanbad@gmail.com

Test Report

Report No:	DLWTL/DHN/101224/021		Report Issue Date : 13-12-2024
To Customer Details:	DISTRICT WELFARE OFFICER DHANBAD.		Order Ref. No:
Date of Sample Receiving:	10-12-2024	Sampling: Not done by laboratory	
Date of Start Analysis :	10-12-2024	Sample Description: 1 Litter **Ground Water** in Sealed Plastic Bottle.	
Date of Completion Analysis:	13-12-2024	Location:- Eklavya Model Residential School Nawatand, Tundi, Dhanbad 828105	

	Parameters	Result	Method Reference	BIS 10500:2012 (Acceptable -- Permissible Limit)
1	pH (25°C)	7.6	APHA-23rd Edition 2017-4500-H$^+$B (Electrometric Method)	6.5 - 8.5
2	Turbidity (NTU)	0.8	APHA-23rd Edition 2017-2130-B (Nephelometric Method)	1.0 - 5.0
3	Total Alkalinity as CaCO3 (mg/l)	178	APHA-23rd Edition 2017-2320-B (Titrimetric Method)	200 - 600
4	Total Hardness as CaCO$_3$ (mg/l)	244	APHA-23rd Edition 2017-2340-C (EDTA Titrimetric method)	200 - 600
5	Calcium as Ca+ (mg/l)	40.8	APHA-23rd Edition 2017-3500-B (EDTA Titrimetric Method)	75 - 200
6	Magnesium as Mg+ (mg/l)	34.08	APHA-23rd Edition 2017-3500-B (Titrimetric Method)	30 - 100
7	Fluoride as F$^-$ (mg/l)	0.53	APHA-23rd Edition 2017-4500-F-C (Ion Selective Electrometric Method)	10 - 1.5
8	Total Dissolved Solids (TDS)	284	APHA-23rd Edition 2017-2540-C	500 - 2000
Bacteriological Parameter				
9	Total Coliforms (CFU/100mL)	Absent	APHA-23rd Edition 2017-9222-B / H$_2$S Test Vials	Shall not be detectable in a 100ml Sample

Notes:-

- All the parameters are expressed in milligrams/Litre except pH, and Turbidity (NTU).
- The results listed refer only to the sample as received and tested.
- This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
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(Authorised Signatory)

End of the Report