

District Level Water Testing Laboratory, Latehar  
**Drinking Water and Sanitation Division,**  
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Test Report

Report No:	LY- 9-28	Date:	21/11/21
Issued To:	श्री. ए. एस. शर्मा	Order Ref. No:	
Date of Start Analysis:	14/11/21	Sampling:	Not done by laboratory
Date of Completion Analysis:	19/11/21	Sample Received Date:	11/11/21

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	-	7.64	APHA 23 <sup>rd</sup> Edition 2017-4500-21-B, (Electrometric Method)	6.5-8.5	Not Specified
2	Turbidity	NTU	2.5	APHA-23 <sup>rd</sup> Edition 2017-3150-B, (Nephelometric method)	1	5
3	Total Dissolved Solids	mg/L	453	APHA 23 <sup>rd</sup> Ed. 2017-3150-F, (Total Dissolved Solids Dried at 180°C)	500	1000
4	Chloride as Cl <sup>-</sup>	mg/L	50.98	APHA 23 <sup>rd</sup> Edition 2017-4500-C1-II, (Mercurimetric method)	250	1000
5	Total Hardness as CaCO <sub>3</sub>	mg/L	488	APHA-23 <sup>rd</sup> Edition 2017-2150-C (EDTA Titrimetric method)	750	1000
6	Total Alkalinity as CaCO <sub>3</sub>	mg/L	192	APHA-23 <sup>rd</sup> Edition 2017-4150-B, (Titrimetric Method)	200	500
7	Calcium as Ca <sup>2+</sup>	mg/L	186.4	APHA-23 <sup>rd</sup> Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	500
8	Magnesium as Mg <sup>2+</sup>	mg/L	17.28	APHA-23 <sup>rd</sup> Edition 2017-3500-Mg-B, (Calculation Method)	30	100
9	Fluoride as F <sup>-</sup>	mg/L	0.026	APHA-23 <sup>rd</sup> Edition 2017-4500-F-C, (Non-selective electrode method)	1.0	1.50
10	Colour	HU	5	APHA-23 <sup>rd</sup> Edition 2017-2150-B, (Visual Comparison)	5	15
11	Odour	-	Odourless	Observation	Acceptable	Acceptable
12	Taste	-	-	Observation	Acceptable	Acceptable

**Notes:-**

- The results listed refer only to the tested sample and applicable parameters.
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- BDL=Below Detection Limit.

  
 21/11/2021  
 Authorised Signatory