



**District Level Water Testing Laboratory**  
Office of the Executive Engineer (DW&SD)  
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|                    |                |                      |  |
|--------------------|----------------|----------------------|--|
| Report No:         | JSR/2022/146   | Memo no:             | 243/26/05/2022                                     |
| Issue To:          | Principal      | Sample code:         | 220526SWJP05                                       |
| Sample Type:       | Drinking Water | Sample collected by: | Customer   |
| Sample receive on: | 26-05-2022     | Sample Description:  | NML Kerala Public School<br>Bhuiyadih, Agrico, JSR |
| Report Date:       | 26-05-2022     |                      |  |

### Test Result

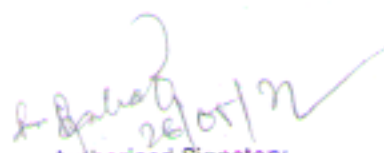
| Sl. No. | Tested Parameter                | Unit     | Results | Method  | Specification as per IS - 10500-2012 (Second Revision) |   |
|---------|---------------------------------|----------|---------|---|--|---|
|         |                                 |          |         |   | Acceptable Limit                                       | Permissible Limit (Absence of Alternate source) |
| 1       | pH, at 25°C                     | -        | 5.48    | APHA 23 <sup>rd</sup> Ed.2017-4500-H B, (Electrometric method)              | 6.5 - 8.5  | No relaxation                                   |
| 2       | Electrical Conductivity (EC)    | -        | -       | -   | -  | -   |
| 3       | Total Dissolved Solids at 180°C | mg/L max | 12      | APHA 23 <sup>rd</sup> Ed.2017-2540 C, Total Dissolved Solids Dried at 180°C | 500  | 2000  |
| 4       | Turbidity                       | NTU max  | 01      | APHA 23 <sup>rd</sup> Ed.2017-2130 B, (Nephelometric method)                | 1  | 5   |
| 5       | Alkalinity as CaCO <sub>3</sub> | mg/L max | 20      | APHA 23 <sup>rd</sup> Ed.2017-2320 B, (Titration method)                    | 200  | 600   |
| 6       | Calcium as (Ca)                 | mg/L max | 3.2     | APHA 23 <sup>rd</sup> Ed.2017-3500 Ca B, (EDTA Titration method)            | 75   | 200   |
| 7       | Magnesium as Mg                 | mg/L max | 2.88    | APHA 23 <sup>rd</sup> Ed.2017-3500-Mg B, (Calculation method)               | 30   | 100   |
| 8       | Hardness as CaCO <sub>3</sub>   | mg/L max | 20      | APHA 23 <sup>rd</sup> Ed.2017-2340 C, (EDTA Titration method)               | 200  | 600   |
| 9       | Fluoride as (F)                 | mg/L max | BDL     | APHA 23 <sup>rd</sup> Ed.2017-4500 F C, (Ion selective electrode method)    | 1.0  | 1.50  |
| 10      | Iron as (Fe)                    | mg/L max | -       | APHA 23 <sup>rd</sup> Ed.2017-3500 Fe B, (1,10-phenanthroline method)       | 0.30   | No relaxation                                   |
| 11      | Chloride(Cl)                    | Mg/L max | 27.79   | APHA 23 <sup>rd</sup> Ed.2017-4500 Cl B, (Argentometric method)             | 250  | 1000  |

Remarks:- This result is according to BIS limit.

Specific contractual notes:-

- The results listed refer only to the tested sample and applicable parameter
- This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report can not be reproduced, except when in full, without the written permission of the Lab In-charge
- Tested Sample shall be retained up to seven Days from the date of issue of the certificate.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to the Ranchi Jurisdiction.
- NOTE:- BCL=Below Detection Limit / DL=Delection Limit.

End of the Test Report

  
26/05/22  
Authorised Signatory  
(Quality Manager)  
**Quality Manager**  
District Level Water Testing Laboratory  
D.W. & S. Division, Jamshedpur