

Memo No:- 748

Date:- 12/05/2023

Subject: **Physical / Chemical Examination Report of Water Sample**

| Sample ID/Classification : HSR/00528/5/2023 / Private |                                      |        | Sample Details                 |                                                        | Date & Time         |  |
|-------------------------------------------------------|--------------------------------------|--------|--------------------------------|--------------------------------------------------------|---------------------|--|
| Sender : PRINCIPAL, GSSS MASUDPUR20855                |                                      |        | Collected By                   |                                                        |                     |  |
| Location : , GOVT SR SEC SCHOOL MASUDPUR (HISAR)      |                                      |        | Collection Date                |                                                        | 10/05/2023 at 12:08 |  |
| Sample Description : Drinking Water                   |                                      |        | Received at lab                |                                                        | 11/05/2023 at 09:29 |  |
| Latitude / Longitude : 75.972846 / 29.223806          |                                      |        | Analysis Start Date            |                                                        | 11/05/2023          |  |
|                                                       |                                      |        | Analysis End Date              |                                                        | 12/05/2023          |  |
|                                                       |                                      |        | Sample Quantity                |                                                        | 2 Ltr.              |  |
| Test Result (As Per BIS 10500 :2012)                  |                                      |        |                                |                                                        |                     |  |
| S.No.                                                 | Tested Parameter                     | Result | Requirement (Acceptable Limit) | Permissible Limit (In the Absence of Alternate Source) | Protocol Used       |  |
| 1                                                     | Total Dissolved Solids @ 180°C ± 2°C | 327    | 500 mg/lit.                    | 2000 mg/lit.                                           | APHA2540 C; 2017    |  |
| 2                                                     | Total Hardness as CaCo3              | 218    | 200 mg/lit.                    | 600 mg/lit.-                                           | APHA2340 C; 2017    |  |
| 3                                                     | Calcdum as Ca                        | 50.82  | 75 mg/lit.                     | 200 mg/lit.                                            | APHA3500-Ca B; 2017 |  |
| 4                                                     | Magnesium as Mg                      | 22.16  | 30 mg/lit.                     | 100 mg/lit.                                            | APHA3500 Mg B; 2017 |  |
| 5                                                     | Iron as Fe                           | 0.02   | 1.0 mg/lit.                    | 1.0 mg/lit.                                            | APHA3500-Fe B; 2017 |  |
| 6                                                     | Chloride as Cl                       | 68.06  | 250 mg/lit.                    | 1000 mg/lit.                                           | APHA4500 Cl-B; 2017 |  |
| 7                                                     | Sulphate as So4                      | 63     | 200 mg/lit.                    | 400 mg/lit.                                            | APHA4500-So4-E      |  |
| 8                                                     | Fluoride as F                        | 0.197  | 1.0 mg/lit.                    | 1.5 mg/lit.                                            | APHA 4500-F--C      |  |
| 9                                                     | Nitrate as No3                       | 1.07   | 45 mg/lit.                     | 45 mg/lit.                                             | APHA 4500-NO3- D    |  |
| 10                                                    | pH @ 25°C                            | 6.87   | 6.5 - 8.5                      | 6.5 - 8.5                                              | APHA4500-H+ B; 2017 |  |
| 11                                                    | Total Alkalinity                     | 128.8  | 200 mg/lit.                    | 600 mg/lit.                                            | APHA 2320 B; 2017   |  |

**Remarks :-**

- \* The Results Given above are related to the sample as received and tested in PHED HISAR Lab.
- \* The test report can't be regenerated in whole or part thereof without written permission of Competent Authority.
- \* The test report can't be used for any publicity or any legal purpose.
- \* Reliability of water sample lies with sender/collector of water sample.
- \* To check the sample report online Scan the QR Code below.
- \* The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.

Water Sample has been found "CONFORMING" to Limits set in BIS10500:2012 for the tested parameters.  
Based on the tested parameters, the water sample is found "POTABLE"



Sample analyzed by : *[Signature]*

*[Signature]*  
**RAJEEV KUMAR, CHEMIST**  
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—————END OF TEST REPORT—————