

## **Analysis Report**

State Level Water Analysis Laboratory, U.P. Jal Nigam 6, Rana Pratap Marg, Lucknow.



| Report No                            | Chemical Test/111566  | (1)/2022-2023                               |   | Date   | 20.10.2022  | S.No   | Page No   | 1                                       |                      | page 1/1 |
|--------------------------------------|---|---|---|--|---|--|---|---|----------------------|----------|
|                                      |   | -   |   | Customer D   |   |  |   |   | •                    |          |
| Office Nam                           | ne and Address  | SETH M.R. JAIPL                             | JRIA SCHOOL, KL   | JRSI ROAD CA   | AMPUS, LUCKN  | OW.  |   | , |                      |          |
| Ref Letter                           | No & Date   | 11.10.2022                                  |   |  |   |  |   |   |                      |          |
|                                      |   |   | Ва  | sic details of   | fsample   | Years to see the second state of the   |   |   |                      |          |
| District                             |   | LUCKNOW                                     | UCKNOW  |  |   |  | Paikramau   |   |                      |          |
| Gram Panchayat                       |   | -   |   |  |   | Village  |   |   |                      |          |
| <b>labitation</b>                    |   |   |   |  |   | Location Sample No.  | Kursi Road Campus   |   |                      |          |
| Vater Sou                            | rce   | Tubewell                                    | Tubewell  |  |   |  | 111566  |   |                      |          |
| Quality of                           | Sample  | 1000 ml + 500m                              | nl  |  |   | Date of S.C.   | 11.10.2022  |   |                      |          |
| Receiving [                          | Date  | 11.10.2022                                  |   |  |   | S. Collector   | Shri Ashish Dixit   |   |                      |          |
| Sample De                            | epositer  | Shri Ashish Dixit                           |   |  |   |  |   |   |                      | TT.      |
| Analysis St                          | tart Date   | 12.10.2022                                  | Analys  |  |   | s Completion   | mpletion Date 18.10.2022  |   |                      |          |
|                                      |   |   | Env   | ironmental   | Condition   |  |   |   |                      |          |
|                                      | Temperature   | 22±5°C Rel                                  |   |  | ative Humidit   | Humidity Upto 70%  |   |   | o <b>70</b> %        |          |
|                                      |   |   | Tec   | hnical Data c  |   |  |   |   |                      |          |
| S.No.                                | Analysed parameters   | Unit of                                     | Observed Value  | erved Value   Specified Values as per IS                         |   |  |   |   |                      |          |
|                                      | ,   | Measurement                                 | 1   |  | 0:2012  |  |   |   |                      |          |
|                                      |   |   |   |  |   |  |   |   |                      |          |
|                                      |   |   |   | Acceptable   | Permissible   |  |   |   |                      |          |
|                                      |   |   |   | Limit  | Limit in  |  | Ref. Me   | ethod of Ar                             | nalysis              |          |
|                                      | 1   | 1   |   |  | absence of  |  |   |   |                      |          |
|                                      |   | 1   |   |  | altaunata   |  |   |   |                      |          |
|                                      |   |   |   |  | alternate   |  |   |   |                      |          |
|                                      |   |   |   |  | alternate<br>source   |  |   |   |                      |          |
|                                      |   |   |   |  | source  |  |   |   |                      |          |
| 1 1                                  | 2   | 3   | 4 8 3 1   | 5  | source<br>6   | IS 2025 /Dash  | II) -2012   | 7                                       |                      |          |
| 1                                    | рН  | -   | 8.31  | 6.5-8.5  | <b>6</b> 6.5-8.5  | IS 3025 (Part  |   | 7                                       |                      |          |
| 1 2                                  | pH<br>Turbidity   | -<br>NTU                                    | 8.31<br>1.44  | 6.5-8.5<br>1.00  | 6<br>6.5-8.5<br>5.00  | IS 3025 (Part  | 10):2012  | 7                                       |                      |          |
| 1<br>2<br>3                          | pH<br>Turbidity<br>TDS  | -<br>NTU<br>mg/L                            | 8.31<br>1.44<br>45  | 6.5-8.5<br>1.00<br>500   | 6<br>6.5-8.5<br>5.00<br>2000  | IS 3025 (Part<br>IS 3025 (Part   | 10) : 2012<br>16) : 2008  | 7                                       |                      |          |
| 1<br>2<br>3<br>4                     | pH Turbidity TDS Chloride   | NTU<br>mg/L<br>mg/L                         | 8.31<br>1.44<br>45<br>7.34  | 6.5-8.5<br>1.00<br>500<br>250                                    | 6<br>6.5-8.5<br>5.00<br>2000<br>1000                                    | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part  | 10): 2012<br>16): 2008<br>32): 2014   | 7                                       |                      |          |
| 1<br>2<br>3<br>4<br>5                | pH Turbidity TDS Chloride Total Alkalinity  | NTU<br>mg/L<br>mg/L<br>mg/L                 | 8.31<br>1.44<br>45<br>7.34<br>30  | 6.5-8.5<br>1.00<br>500<br>250<br>200                             | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600                             | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part   | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008  | 7                                       |                      |          |
| 1<br>2<br>3<br>4<br>5<br>6           | pH Turbidity TDS Chloride Total Alkalinity Total Hardness                           | NTU mg/L mg/L mg/L mg/L mg/L                | 8.31<br>1.44<br>45<br>7.34  | 6.5-8.5<br>1.00<br>500<br>250<br>200                             | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600                             | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part  | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008<br>21): 2009   | 7                                       |                      | ,        |
| 1<br>2<br>3<br>4<br>5<br>6<br>7      | pH Turbidity TDS Chloride Total Alkalinity Total Hardness Sulphate                  | NTU mg/L mg/L mg/L mg/L mg/L mg/L           | 8.31<br>1.44<br>45<br>7.34<br>30<br>10                                      | 6.5-8.5<br>1.00<br>500<br>250<br>200<br>200                      | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600<br>600<br>400               | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part   | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008<br>21): 2009<br>24): 2009  |   | 0 NoF                |          |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8 | pH Turbidity TDS Chloride Total Alkalinity Total Hardness Sulphate Nitrate          | NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L      | 8.31<br>1.44<br>45<br>7.34<br>30<br>10<br>1<br>BDL (DL:1.0)                 | 6.5-8.5<br>1.00<br>500<br>250<br>200<br>200<br>200<br>45         | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600<br>600<br>400<br>45         | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>APHA 23 <sup>rd</sup> Ed                                   | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008<br>21): 2009<br>24): 2009<br>ition 2017, I                             |   | 0 No <sub>3</sub> -E | 3        |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8 | pH Turbidity TDS Chloride Total Alkalinity Total Hardness Sulphate Nitrate Fluoride | nTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 8.31<br>1.44<br>45<br>7.34<br>30<br>10<br>1<br>BDL (DL:1.0)<br>BDL (DL:0.5) | 6.5-8.5<br>1.00<br>500<br>250<br>200<br>200<br>200<br>45<br>1.00 | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600<br>600<br>400<br>45<br>1.50 | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>APHA 23 <sup>rd</sup> Ed<br>IS 3025 (Part | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008<br>21): 2009<br>24): 2009<br>ition 2017, [<br>60): 2008                |   | 0 No <sub>3</sub> -E | 3        |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8 | pH Turbidity TDS Chloride Total Alkalinity Total Hardness Sulphate Nitrate          | NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L      | 8.31<br>1.44<br>45<br>7.34<br>30<br>10<br>1<br>BDL (DL:1.0)                 | 6.5-8.5<br>1.00<br>500<br>250<br>200<br>200<br>200<br>45         | 6<br>6.5-8.5<br>5.00<br>2000<br>1000<br>600<br>600<br>400<br>45         | IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>IS 3025 (Part<br>APHA 23 <sup>rd</sup> Ed                                   | 10): 2012<br>16): 2008<br>32): 2014<br>23): 2008<br>21): 2009<br>24): 2009<br>ition 2017, 1<br>60): 2008<br>dition 2017 |   | O No₃-E              | 3        |

- 2. This certificate shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from Head of Laboratory.
- 3. The test results reported in this certificate are valid at the time of and under the stated conditions of measurements.
- 4. Sample will be stored up to 15 days (in case of non perishable items only) from the date of issue of tests reports unless otherwise specified.

5.BDL= Below Detection Limit ,DL= Detection Limit

(Abhishek Singh) Lab Technician Prepared By

\*\*End of Test Report \*\*

Technical Manage

Authorized Signator

aboratory Contact details-Email-upjnlabtesing@gmail.com, Mob-9473942098



## **Analysis Report**

State Level Water Analysis Laboratory, U.P. Jal Nigam 6, Rana Pratap Marg, Lucknow.

| Temperatui                 | re                 | 22± 5 °C   |                | ative Humidit                   | ¥             | T          | II   |  |  |
|----------------------------|--------------------|--|----------------|---------------------------------|---------------|------------|--|--|--|
|                            |                    | Environmen   | Allalysi       | s Completion                    | Date          | 18.10.2022 |  |  |  |
| ∖nalysis Start Date        | 12.10.2022         |  | Analysi        | s Commisties                    | D-1           | 10.10.000  |  |  |  |
| Sample Depositer           | Shri Ashish Dixi   | t  |                | 3. Collector                    | Shri Ashish   | Dixit      | The state of the s |  |  |
| Receiving Date             | 11.10.2022         |  | S. Collector   | 11.10.2022<br>Shri Ashish Dixit |               |            |  |  |  |
| Quality of Sample          | 500ml + 250ml      |  |                | Date of S.C.                    | 111566        |            |  |  |  |
| /ater Source               | Tubewell           |  |                | Sample No.                      | Kursi Road    | Campus     |  |  |  |
|                            |                    | -  |                | Location                        | Vivrai Daniel | -          |  |  |  |
| 3bitation                  |                    | -  |                | Village                         | T alki alliau |            |  |  |  |
| ram Panchayat              | LUCKNOW            |  |                | Block/Area                      | Paikramau     |            |  |  |  |
| , <del></del>              | HICKNOW            | Basic deta   | ails of sample |                                 |               |            |  |  |  |
| - Date                     | 11.10.2022         |  |                |                                 |               |            |  |  |  |
| af Letter No & Date        | 11.10.2020         | SETH M.R. JAIPURIA SCHOOL, KURSI ROAD CAMPUS, LUCKNOW. |                |                                 |               |            |  |  |  |
| ffice Name and Address     | CETH M.D. IAID     | Custon   | ner Details    |                                 | 1 -85 110     | 1          | page 1/1   |  |  |
|                            | .1300(2)/2022-2023 | Date   | 20.10.2022     | S.No                            | Page No       | 1          |  |  |  |
| Report No Chemical Test/11 | .1566(2)/2022-2023 | _  |                |                                 |               |            |  |  |  |

|        |                     |             |          |  |               | lative Humidity                     | Upto 70%                  |  |
|--------|---------------------|-------------|----------|--|---------------|-------------------------------------|---------------------------|--|
| S.No.  | Analysis            |             | Т        | echnical Dat                             | a of Analysis |                                     | -                         |  |
| 5.IVO. | Analysed parameters | Unit of     | Observed | Specified Values as per IS<br>10500:2012 |               |                                     |                           |  |
|        |                     | Measurement | Value    |  |               |                                     |                           |  |
|        |                     |             |          |  |               | , F                                 |                           |  |
|        |                     |             |          | Acceptable                               | Permissible   |                                     |                           |  |
|        |                     |             |          | Limit                                    | Limit in      | Ref. Method of Analysis             |                           |  |
|        |                     |             |          |  | absence of    | A                                   |                           |  |
|        |                     |             |          |  | alternate     | æ                                   |                           |  |
|        |                     |             |          |  | source        |                                     |                           |  |
|        |                     |             |          | P B V                                    |               |                                     |                           |  |
| 1      | 2                   | 3           | 4        | 5  | 6             |                                     | 7                         |  |
| 1      | Boron               | mg/L        | BDL      | 0.5                                      | 1.00          | APHA 23rd edition, 2017             | (Part 3125) ICP-MS Method |  |
| 2      | Aluminium           | mg/L        | BDL      | 0.03                                     | 0.2           | APHA 23rd edition, 2017             | (Part 3125) ICP-MS Method |  |
| 3      | Total Chromium      | mg/L        | BDL      | 0.05                                     | 0.05          | APHA 23rd edition 2017,             | (Part 3125) ICP-MS Method |  |
| 4      | Magnesium           | mg/L        | BDL      | 30                                       | 100           | APHA 23rd edition, 2017             | (Part 3125) ICP-MS Method |  |
| 5      | Calcium             | mg/L        | BDL      | 75                                       | 200           |                                     | (Part 3125) ICP-MS Method |  |
| 6      | Nickel              | mg/L        | BDL      | 0.02                                     | 0.02          |                                     | (Part 3125) ICP-MS Method |  |
| 7      | Copper              | mg/L        | BDL .    | 0.05                                     | 1.5           |                                     | (Part 3125) ICP-MS Method |  |
| 8      | Zinc                | mg/L        | BDL      | 5.00                                     | 15.00         |                                     | (Part 3125) ICP-MS Method |  |
| 9      | Silver              | mg/L        | BDL      | 0.1                                      | 0.1           |                                     | (Part 3125) ICP-MS Method |  |
| 10     | Cadmium             | mg/L        | BDL      | 0.003                                    | 0.003         |                                     | (Part 3125) ICP-MS Method |  |
| 11     | Lead as Pb          | mg/L        | BDL      | 0.01                                     | 0.01          |                                     | (Part 3125) ICP-MS Method |  |
| 12     | Total Coliform      | CFU/100 mL  | 0.00     | 0  | 0             | APHA 23 <sup>rd</sup> edition 2017, |                           |  |
| 13     | E.coli              | CFU/100 mL  | 0.00     | 0  | 0             | APHA 23 <sup>rd</sup> edition 2017. | 9222 -R                   |  |

√ote

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- 5.BDL= Below Detection Limit ,DL= Detection Limit

(Abhishek Singh)
Lab Technician
Prepared By

(Anil Kumar)
Technical Manage

\*\*End of Test Report \*\*

aboratory Contact details-Email-upjnlabtesing@gmail.com, Mob-9473942098