

# M/s Mahalaxmi Tube well



Rajnendra Nagar Pukhrayan Kanpur  
9935299290 mahalaxmitubewell@gmail.com

## Geophysical Well Logging Report

Ref No – 06/323

Date -27/06/2023

Site Location : - Maduri Khajua Fatehpur

District : - Fatehpur

Logged Depth : - 173 M BGL

Date of Logging : - 26/06/2023

Types of Log : - S.P& N16, N-64 LAT

Logger used : - LGS

Rm: - 20.1  $\Omega$ m

Rw: - 20.  $\Omega$ m

The following permeable granular zones have been deciphered with the help of Electrical Logger

| Sr NO | Depth Range From M.B.G.L | Depth Range M.B.G.L. | Thickness Mtr. | Quality of G.W. |
|-------|--------------------------|----------------------|----------------|-----------------|
| 01    | 38                       | 46                   | 08             | Good            |
| 02    | 67                       | 70                   | 03             |                 |
| 03    | 75                       | 90                   | 15             |                 |
| 04    | 101                      | 107                  | 06             |                 |
| 05    | 110                      | 114                  | 04             |                 |
| 06    | 136                      | 143                  | 07             |                 |

Note- All zones are intermixed with fine bands of kankar.

- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.

G.Sh  
27/06/23

M/s Mahalaxmi Tube Well



# Jal Jeevan Mission

## Har Ghar Jal



### Regional Water Analysis Laboratory, U.P Jal Nigam, (Rural), Prayagraj

Office of Executive Engineer, Khand karyalaya, U.P. Jal Nigam (Rural), Tulapur Pani Ki Tanki, Jhunsi, Prayagraj. pin 211019 (Test Address only)

#### Test report

Sample ID:

U719011514066798

#### User Information

Name:

Syed Mohd shabaz

Mobile:

9473942669

Email:

ee2cdupjn.alld@gmail.com

Pin  
Code:

Full  
Address:

Village- Not available , Gram Panchayat- Not available, Block- Not available, District- Prayagraj, State- Uttar Pradesh

#### Sample description

Source  
of  
Sample:

Others, location : Maduri WSS

Village:

Maduri

Gram  
Panchayat:

Maduri

Block:

Khajuha

District:

Fatehpur

State:

Uttar Pradesh

Address:

Remarks:

Gram- Maduri WSS, Block- Khajuha, Dist- Fatehpur

Latitude:

Longitude:

Date & time of sample collection

09.07.2023 | 02:00:00 PM

Date & time of sample received in lab

11.08.2023 | 11:36:00 AM

Date & time of sample analysed

26.08.2023 | 03:56:00 PM

Date & time of report generation

28.08.2023 | 05:11:38 PM

#### Test results

| Sr. No. | Parameters tested      | Unit of measurement | Requirement (acceptable limit) as per BIS 10500 | Permissible limit (in absence of alternate source) as per BIS 10500 | Test result value | Remarks |
|---------|------------------------|---------------------|---|---|-------------------|---------|
| 1       | Calcium (as Ca)*       | mg/l                | 75  | 200   | 30.460            |         |
| 2       | Chloride (as Cl)*      | mg/l                | 250   | 1000  | 39.140            |         |
| 3       | Fluoride (as F)*       | mg/l                | 1   | 1.5   | 0.770             |         |
| 4       | Free residual Chlorine | mg/l                | 0.2   | 1   | 0.000             |         |
| 5       | Iron (As Fe)*          | mg/l                | 1   | No Relaxation   | 0.120             |         |

| Sr. No. | Parameters tested                        | Unit of measurement | Requirement (acceptable limit) as per BIS 10500 | Permissible limit (in absence of alternate source) as per BIS 10500 | Test result value | Remarks |
|---------|--|---------------------|---|---|-------------------|---------|
| 6       | Magnesium (As Mg)*                       | mg/l                | 30  | 100   | 42.850            |         |
| 7       | Nitrate (as NO <sub>3</sub> )*           | mg/l                | 45  | No Relaxation   | 7.510             |         |
| 8       | Odour*                                   | NA                  | Agreeable                                       | Agreeable   | 0.000             |         |
| 9       | pH*                                      | NA                  | 6.5-8.5   | No Relaxation   | 7.810             |         |
| 10      | Sulphate (as SO <sub>4</sub> )*          | mg/l                | 200   | 400   | 5.650             |         |
| 11      | Taste*                                   | NA                  | Agreeable                                       | Agreeable   | 0.000             |         |
| 12      | TDS*                                     | mg/l                | 500   | 2000  | 398.100           |         |
| 13      | Total Alkalinity (as Calcium Carbonate)* | mg/l                | 200   | 600   | 394.800           |         |
| 14      | Total Arsenic (As As)                    | mg/l                | 0.01  | No Relaxation   | 0.000             | NT      |
| 15      | Total coliform                           | CFU/ 100 ml         | Shall not be detectable in any 100 ml sample    | No Relaxation   | 0.000             |         |
| 16      | Total Hardness (As CaCO <sub>3</sub> )*  | mg/l                | 200   | 600   | 252.000           |         |
| 17      | Turbidity*                               | NTU                 | 1   | 5   | 0.410             |         |

**Note:**

- 1)\*Indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

**Authorised signatory**  
Archana Verma (Test Lab Incharge)

**Jal Jeevan Mission aims at potable tap water supply to every home**

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

Designed & Developed by NIC. Copyright ©copy NJJM 2023

**Print**

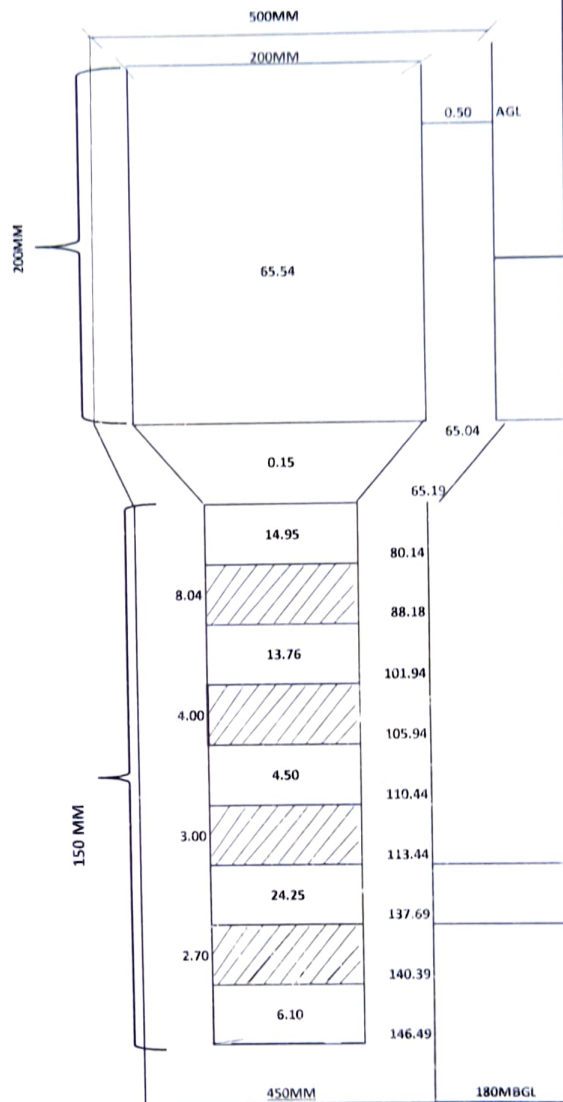
|                |  |                     |
|----------------|--|---------------------|
| Project Name : | Implementation of various rural water supply project including O&M for 10 Year for Maduri village, Block-Khajuha, District-Fatehpur of the State of Uttar Pradesh Under Jal Jeevan Mission |                     |
|                | Actual Lowering Chart at Vill. Maduri 200*150  | Discharge = 400 LPM |

Gram Panchayat : Maduri  
Block : Khajuha  
District : Fatehpur

| Sr No. |                  |                     |
|--------|------------------|---------------------|
| 1      | TW Const. By     | M/s PMPL-BRCCPL(IV) |
| 2      | Size of Borewell | 200*150             |
| 3      | Date of Logging  | 26-06-23            |
| 4      | Date of Lowering | 05-07-23            |

| Abstract of Pipe |             |     |              |        |
|------------------|-------------|-----|--------------|--------|
| Sr. No.          | Discription | UOM | Item         | Qty    |
| 1                | 200MM       | MTR | PLAIN PIPE   | 65.54  |
| 2                | 200MM       | MTR | SLOTTED PIPE | 0.00   |
| 3                | 200*150     | MTR | Reducer      | 0.15   |
| 4                | 150 MM      | MTR | PLAIN PIPE   | 63.56  |
| 5                | 150 MM      | MTR | SLOTTED PIPE | 17.74  |
| Total Length     |             |     |              | 146.99 |

| Logging Report |             |              |                |
|----------------|-------------|--------------|----------------|
| Sr. No.        | Discription | Thickness(M) | Quality of G.W |
| 1              | 39-46       | 7            | ALL GOOD       |
| 2              | 67-70       | 3            |                |
| 3              | 75-90       | 15           |                |
| 4              | 101-107     | 6            |                |
| 5              | 110-114     | 4            |                |
| 6              | 136-143     | 7            |                |



Note:- 1 All zones are intermixed with fine bands of kankar.



*Niraj Kumar*  
Public Health Engineer

*Alak*  
Junior Engineer

*[Signature]*  
Assistant Engineer

*[Signature]*  
Executive Engineer