

Project Name :

Implementation of various rural water supply project including O&M for 10 Year for Karchalpur Village, Block-  
Devmai, District-Fatehpur of the State of Uttar Pradesh Under Jal Jeevan Mission  
Phase-III

Actual Lowering Chart at Vill. Karchalpur 300\*200

Discharge = 710 LPM

Gram Panchayat : Karchalpur  
Block : Devmai  
District : Fatehpur

| Sr No. |                  |                     |
|--------|------------------|---------------------|
| 1      | TW Const. By     | M/s PMPL-BRCCPL(JV) |
| 2      | Size of Borewell | 600*500             |
| 3      | Date of Logging  | 23.11.2022          |
| 4      | Date of Lowering | 04.12.2022          |

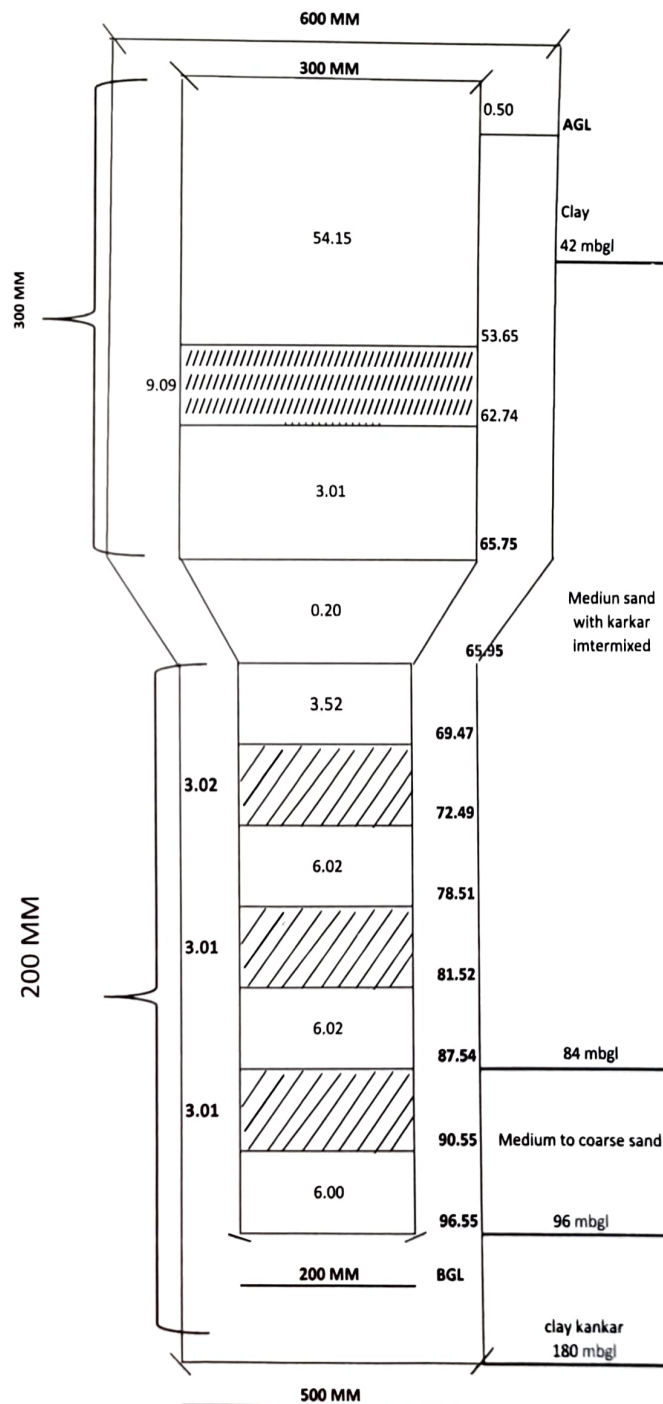
## Abstract of Pipe

| Sr. No. | Discription | UOM | Item                | Qty          |
|---------|-------------|-----|---------------------|--------------|
| 1       | 300 MM      | MTR | PLAIN PIPE          | 57.16        |
| 2       | 300 MM      | MTR | SLOTTED PIPE        | 9.09         |
| 3       | 300x200 MM  | MTR | Reducer             | 0.20         |
| 3       | 200 MM      | MTR | PLAIN PIPE          | 21.56        |
| 4       | 200 MM      | MTR | SLOTTED PIPE        | 9.04         |
|         |             |     | <b>Total Length</b> | <b>97.05</b> |

## Logging Report

| Sr. No. | Discription | Thickess(M) | Type of Strata                |
|---------|-------------|-------------|-------------------------------|
| 1       | 44-47       | 3           | Good                          |
| 2       | 52-64       | 12          | Good, Intermixed Kankar Bands |
| 3       | 69-73       | 4           | Good, Intermixed Kankar Bands |
| 4       | 78-82       | 4           | Good, Intermixed Kankar Bands |
| 5       | 87-91       | 4           | Good                          |

Remark : almost all zones are intermixed with fine bands of kankar formation water quality is deteriorating from marginal to saline below 101 mbgl to till depth logged



TPIA(ME) Engineer

Junior Engineer

Assistant Engineer

Executive Engineer



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : [si.amaresh11@gmail.com](mailto:si.amaresh11@gmail.com), [gicaksingh@gmail.com](mailto:gicaksingh@gmail.com)

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Fatehpur/57

Date : 23.11.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Karchalpur, Block – Deomai  
Distt. – Fatehpur

**Logged Depth** : 173 ~~mbgl~~

**Date of Logging** : 23.11.22

**Types of Log** : S.P. & ~~Resistivity~~ (Normal & Lateral)

**Logger Used** : ~~Uptron~~

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

| Sl. No.      | Depth Range (m, bgl)  | Thickness (m)  | Types of strata               | $R_{mf}$ & $R_w$                                |
|--------------|-----------------------|----------------|-------------------------------|-------------------------------------------------|
| <del>1</del> | 44 – 47               | 3              | Good                          | $R_{mf} = 12.2 \Omega m$<br>$R_w = 14 \Omega m$ |
| <del>2</del> | 52 – 64               | 12             | Good, intermixed kankar bands |                                                 |
| <del>3</del> | 69 – 73               | 4              | Good, intermixed kankar bands |                                                 |
| <del>4</del> | 78 – 82               | 4              | Good, intermixed kankar bands |                                                 |
| <del>5</del> | 87 – 90 <del>91</del> | <del>3</del> 4 | Good                          |                                                 |

**Remark** : Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating from marginal to saline below 101mgl to till depth logged.

*Verified as per logs provided.*

ASSISTANT HEAD GEOLOGIST  
CIRCULAR OFFICE (E/M)  
U.P. JAL NIGAM (KURNA)  
PRAYAGRAJ  
24/11/22

*Arunk*  
  
(A.K. Singh)  
Geophysicist