

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FARIDPUR MAJRA SAITHRA, BLOCK- NAWABGANJ,  
DISTT- FARRUKHABAD  
UNDER  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s G.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Dec.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

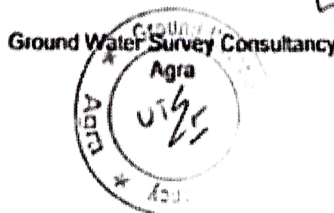
Mud Resistivity = ~~20.36~~ Ohms.

Drilling Water Resistivity = ~~22.24~~ Ohms.

Approx Water Level = 22 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology           | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1.    | 0 - 5          | 5            | Surface soil        |                        |
| 2.    | 5 - 10         | 5            | Dry sand            |                        |
| 3.    | 10 - 30        | 20           | Clay kankar         |                        |
| 4.    | 30 - 38        | 8            | Fine to Medium sand | Medium                 |
| 5.    | 38 - 54        | 12           | Clay kankar         |                        |
| 6.    | 54 - 60*       | 6            | Medium sand         | Medium                 |
| 7.    | 60 - 65        | 5            | Clay kankar         |                        |
| 8.    | 65 - 72*       | 7            | Fine to Medium sand | Medium                 |
| 9.    | 72 - 100       | 28           | Clay kankar         |                        |
| 10.   | 100 - 110*     | 10           | Sand & kankar       | Medium                 |
| 11.   | 110 - 170      | 60           | Clay kankar         |                        |
| 12.   | 170 - 185*     | 15           | Fine to Medium sand | Medium                 |
| 13.   | 185 - 200      | 15           | Clay kankar         |                        |

Sr No 8-68-72  
(4m)  
Sr No 10-105-110(Su)



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