



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ~~IMADPUR~~, BLOCK- ALIGANJ, DISTT- ETAH
Name Change → ~~EMADPUR~~ UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah. On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.April.2023. 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:-

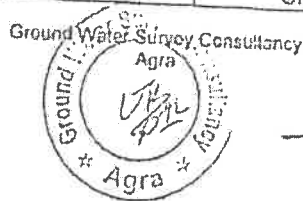
Mud Resistivity = 15.71 Ohms.

Drilling Water Resistivity = 16.52 Ohms.

Approx Water Level = 10 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 - 15 | 5 | Clay kankar | |
| 4. | 15 - 22 | 7 | Medium sand | Medium |
| 5. | 22 - 27 | 5 | Clay kankar | |
| 6. | 27 - 35 | 8 | Medium sand | Medium |
| 7. | 35 - 39 | 4 | Clay kankar | |
| 8. | 39 - 44 | 5 | Medium sand | Medium |
| 9. | 44 - 52 | 8 | Clay kankar | |
| 10. | 52 - 58* | 6 | Medium sand | Medium |
| 11. | 58 - 68 | 10 | Clay kankar | |
| 12. | 68 - 72 | 4 | Fine sand | Medium |
| 13. | 72 - 85 | 13 | Clay kankar | |
| 14. | 85 - 101* | 16 | Medium sand | Medium |
| 15. | 101 - 110 | 9 | Clay kankar | |

G.Lh
13/04/23



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