

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHAWA KUMHRAI, BLOCK- SADABAD, DISTT- HATHRAS
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 Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.Dec.2024.

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 = 10.20 Ohms.

Drilling Water Resistivity = 11.40 Ohms.

Approx Water Level = 24 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 30 | 25 | Dry sand | |
| 3. | 30 - 39 | 9 | Clay kankar | |
| 4. | 39 - 42 | 3 | Kankar | Med to Marginally |
| 5. | 42 - 49 | 7 | Clay kankar | |
| 6. | 49 - 55 | 6 | Sand & kankar | Med to Marginally |
| 7. | 55 - 70 | 15 | Clay kankar | |
| 8. | 70 - 72 | 2 | Kankar | Med to Marginally |
| 9. | 72 - 110 | 38 | Clay kankar | |

Ground Water Survey Consultancy
Agra

