

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAHAWANI KUNWARPUR, BLOCK- KASGANJ, DISTT- KASGANJ UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 123 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.June.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 = 15.20 Ohms.

Drilling Water Resistivity = 16.77 Ohms.

Approx Water Level = 12 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 10 | 5 | Clay Kankar | |
| 3. | 10 - 17 | 7 | Fine to medium sand | |
| 4. | 17 - 25 | 8 | Clay kankar | |
| 5. | 25 - 30 | 5 | Fine to medium sand | Medium |
| 6. | 30 - 35 | 5 | Clay kankar | |
| 7. | 35 - 39 | 4 | Fine to med. Sand | Medium |
| 8. | 39 - 49 | 10 | Clay kankar | |
| 9. | 49 - 52 | 3 | Fine to medium sand | Medium |
| 10. | 52 - 56 | 4 | Clay kankar | |
| 11. | 56 - 59 | 3 | Fine sand | Medium |
| 12. | 59 - 75 | 16 | Clay kankar | |
| 13. | 75 - 82 | 7 | Fine sand & kankar | Medium |
| 14. | 82 - 95 | 13 | Clay kankar | |
| 15. | 95 - 108* | 13 | Medium sand | Medium |
| 16. | 108 - 110 | 2 | Clay kankar | |
| 17. | 110 - 115* | 5 | Medium sand | Medium |
| 18. | 115 - 123 | 8 | Clay kankar | |

Ground Water Survey Consultancy

