

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RASHIDABAD BRAMAN, BLOCK- KAYAMGANJ,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth ~~140 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 05.June.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:-

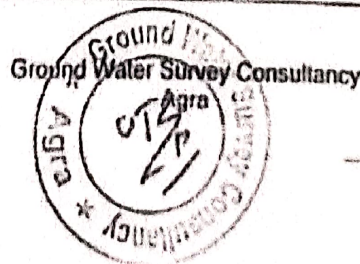
Mud Resistivity = ~~15.36~~ Ohms.

Drilling Water Resistivity = ~~16.41~~ Ohms.

Approx Water Level = 9 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 9 | 4 | Dry sand | |
| 3. | 9 - 16 | 7 | Clay kankar | |
| 4. | 16 - 23 | 7 | Medium sand | Medium |
| 5. | 23 - 33 | 10 | Clay kankar | |
| 6. | 33 - 36 | 3 | Fine sand | Medium |
| 7. | 36 - 51 | 15 | Clay kankar | |
| 8. | 51 - 57* | 6 | Medium sand | Medium |
| 9. | 57 - 63 | 6 | Clay kankar | |
| 10. | 63 - 70* | 7 | Medium sand | Medium |
| 11. | 70 - 79 | 9 | Clay kankar | |
| 12. | 79 - 87 | 8 | Kankar with sand | |
| 13. | 87 - 93 | 6 | Clay Kankar | |
| 14. | 93 - 100 | 7 | Fine sand | Medium |
| 15. | 100 - 104 | 4 | Clay kankar | |
| 16. | 104 - 107* | 3 | Fine to Medium sand | Medium |
| 17. | 107 - 120 | 13 | Clay kankar | |
| 18. | 120 - 127* | 7 | Medium sand | Medium |
| 19. | 127 - 140 | 13 | Clay kankar | |

G.Ch
07/06/23



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