

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANESAR NAGLA DALLU, BLOCK- PATIYALI
DISTT- KASGANJ

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 120 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 is conduct at above bore hole using IGIS Well Logger on 14.May. 2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 = 25.58 Ohms.

Drilling Water Resistivity = 23.91 Ohms.

Approx Water Level = 14 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 8 | 3 | Dry sand | |
| 3. | 8 - 14 | 6 | Clay kankar | |
| 4. | 14 - 19 | 5 | Fine to Medium sand | Good |
| 5. | 19 - 26 | 7 | Clay kankar | |
| 6. | 26 - 34 | 8 | Medium sand | Good |
| 7. | 34 - 50 | 16 | Clay kankar | |
| 8. | 50 - 63* | 13 | Medium sand | Good |
| 9. | 63 - 90 | 27 | Clay kankar | |
| 10. | 90 - 104* | 14 | Medium sand | Good |
| 11. | 104 - 117 | 13 | Clay kankar | |
| 12. | 117 - 120* | 3 | Fine to Medium sand | Good |

Sr.No-50-63
may consider as
50-60 mtr.
- Logging performed as
per SWSP guidelines.
G.W quality into price
by form as per their
logger calibration
G.S.
16/5/22

