

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PHRENDA SHUKUL, BLOCK- RUPAIDEEH, DISTT- GONDA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~165~~ mtrs. at above site. Was drilled by M/s Rays Power Infra Pvt. Ltd. Lucknow.

On the request of M/s Rays Power Infra Pvt. Ltd. Lucknow. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.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:-

Seen
Adan

Seen
SM
JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

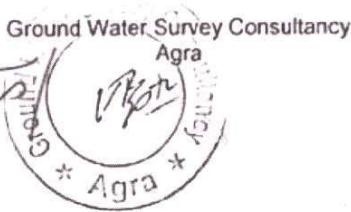
Mud Resistivity = ~~16.73~~ Ohms.

Drilling Water Resistivity = ~~17.88~~ 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 - 10	5	Clay	
3.	10 - 17 ✓	7	Fine to Medium sand	Medium
4.	18 - 27	9	Clay kankar	
5.	27 - 40 ✓	13	Medium sand & kankar	Medium
6.	40 - 50	10	Clay kankar	
7.	50 - 58* ✓	8	Medium sand	Medium
8.	58 - 62	4	Clay kankar	
9.	63 - 96* ✓	33	Medium sand	Medium
10.	96 - 106	10	Clay kankar	
11.	106 - 128* ✓	22	Medium sand	Medium
12.	128 - 135	7	Clay kankar	
13.	135 - 150* ✓	15	Medium sand	Medium
14.	150 - 160	10	Clay kankar	
15.	160 - 165* ✓	5	Medium sand	Medium

S.No 9, 11 and 13 have bands of fine sediments kankar.



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by ferm as per their logger calibration 16/06/23