

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GOHANHA, BLOCK- MANKAPUR, 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 18.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 = 15.89 Ohms.

Drilling Water Resistivity = 17.21 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 26	6	Fine to Medium sand	
5.	26 - 34	8	Clay kankar	
6.	34 - 38	4	Medium sand	Medium
7.	38 - 43	5	Clay kankar	
8.	43 - 45	2	Fine sand	Medium
9.	45 - 54	9	Clay kankar	
10.	54 - 58	4	Fine to Medium sand	Medium
11.	58 - 64	6	Clay kankar	
12.	64 - 79*	15	Medium sand	Medium
13.	79 - 84	5	Clay kankar	
14.	84 - 91*	7	Medium sand	Medium
15.	91 - 97	6	Clay kankar	
16.	97 - 101*	4	Medium sand	Medium
17.	101 - 119	18	Clay kankar	
18.	119 - 150*	31	Medium sand	Medium
19.	150 - 165	15	Clay kankar	

Sr No 18 - Highly
Kankar
Intormixed.



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their log log calibration.
G.Sh
20/06/23