

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RANI SIR, BLOCK- JAMUNAHA, DISTT- SHRAVASTI 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 GA Infra - Vishwanath Project Limited, Shravasti.

On the request of M/s GA Infra - Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.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:-

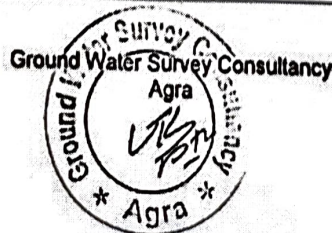
Mud Resistivity = ~~20.42~~ Ohms.

Drilling Water Resistivity = ~~21.39~~ Ohms.

Approx Water Level = 18 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Clay kankar	
3.	13 - 21	8	Fine to medium sand	
4.	21 - 26	5	Clay kankar	
5.	26 - 33	7	Medium sand	Good
6.	33 - 40	7	Clay kankar	
7.	40 - 43	3	Fine sand	Good
8.	43 - 50	7	Clay kankar	
9.	50 - 55*	5	Medium sand	Good
10.	55 - 61	6	Clay kankar	
11.	61-65 - 74*	13-10	Medium sand & kankar	Good
12.	74 - 91	17	Clay kankar	
13.	91 - 100*	9	Medium sand	Good
14.	100 - 111	11	Clay kankar	
15.	111 - 127*	16	Medium sand	Good
16.	127 - 135	8	Clay kankar	
17.	135 - 144*	9	Medium sand & Kankar	Good
18.	144 - 155	11	Clay kankar	
19.	155 - 165*	10	Medium sand	Good

Dislice



- Logging performed as per ISIRI guidelines
- Groundwater quality interpreted by firm as per their log calibration