

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- VARGADAHA, BLOCK- JAMUNAHA, DISTT- SHRAVASTI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~155~~ mtrs. at above site. Was drilled by M/s M/s Vishwanath Project Limited, Shravasti.

On the request of M/s M/s Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.May.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 = ~~20.48~~ Ohms.

Drilling Water Resistivity = ~~21.62~~ Ohms.

Approx Water Level = 5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand	Good
3.	15 - 19	4	Clay kankar	
4.	19 - 21	2	Fine sand	Good
5.	21 - 25	4	Clay kankar	
6.	25 - 41	16	Medium sand	Good
7.	41 - 50	9	Clay kankar	
8.	50 - 55*	5	Fine to Medium sand	Good
9.	55 - 64	9	Clay kankar	
10.	64 - 72*	8	Medium sand	Good
11.	72 - 84	12	Clay kankar	
12.	84 - 90*	6	Medium sand & kankar	Good
13.	90 - 99	9	Clay kankar	
14.	99 - 102	3	Fine sand	Good
15.	102 - 108	6	Clay kankar	
16.	108 - 125*	17	Medium sand & kankar	Good
17.	125 - 130	5	Clay kankar	
18.	130 - 141*	11	Medium sand	Good
19.	141 - 150	9	Clay kankar	
20.	150 - 153*	3	Fine to Medium sand	Good
21.	153 - 155	2	Clay kankar	

G.Sh
28/05/23



- Logging performed as per ISRM guidelines.
- Groundwater quality interpreted by fcm as per their loggers data