

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 150 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 30.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 = 20.51 Ohms.

Drilling Water Resistivity = 21.36 Ohms.

Approx Water Level = 4.5 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay	
3.	15 - 30	15	Medium sand	Good
4.	30 - 45	15	Clay kankar	
5.	45 - 50	5	Fine to Medium sand	Good
6.	50 - 65	15	Clay kankar	
7.	65 - 82*	17	Medium sand & kankar	Good
8.	82 - 90	8	Clay kankar	
9.	90 - 110*	20	Medium sand	Good
10.	110 - 120	10	Clay kankar	
11.	120 - 134*	14	Medium sand & kankar	Good
12.	134 - 143	9	Kankar	
13.	143 - 148*	5	Medium sand	Good
14.	148 - 150	2	Clay kankar	



P. Prince