

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- REHLI VISHUNPUR, BLOCK- HARIHARPUR RANI, DISTT- SHRAVASTI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 mtrs. at above site. Was drilled by Vishwanath Project Limited, Shravasti.

On the request of Vishwanath Project Limited, Shravasti. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Nov.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 = 21.64 Ohms.

Drilling Water Resistivity = 22.40 Ohms.

Approx Water Level = 8 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 25	5	Fine sand	Good
6.	25 - 31	6	Clay kankar	
7.	31 - 40	9	Medium sand	Good
8.	40 - 45	5	Clay kankar	
9.	45 - 50*	5	Fine to Medium sand	Good
10.	50 - 55	5	Clay kankar	
11.	55 - 57	2	Fine to Medium sand	Good
12.	57 - 65	8	Clay kankar	
13.	65 - 70*	5	Medium sand	Good
14.	70 - 84	14	Clay kankar	
15.	84 - 90*	6	Medium sand	Good
16.	90 - 95	5	Clay kankar	
17.	95 - 100*	5	Medium sand	Good
18.	100 - 110	10	Clay kankar	
19.	110 - 117*	7	Fine to Medium sand & kan	Good
20.	117 - 129	12	Clay kankar	
21.	129 - 140*	11	Medium sand	Good
22.	140 - 144	4	Clay kankar	
23.	144 - 146	2	Fine to Medium sand	Good
24.	146 - 162	16	Clay kankar	

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