

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAKWA, BLOCK- HARIHARPUR RANI, 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 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 05.11.2023.

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 = 20.23 Ohms.

Drilling Water Resistivity = 23.40 Ohms.

Approx Water Level = 9 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 - 13	3	Fine sand	
4.	13 - 30	17	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 45	5	Clay kankar	
7.	45 - 48	3	Medium sand	Good
8.	48 - 65	17	Clay kankar	
9.	65 - 72*	7	Medium sand	Good
10.	72 - 99	27	Clay kankar	
11.	99 - 105*	6	Medium sand	Good
12.	105 - 110	5	Clay kankar	
13.	110 - 112	2	Fine to medium sand	Good
14.	112 - 126	16	Clay kankar	
15.	126 - 140*	14	Medium sand	Good
16.	140 - 146	6	Clay kankar	
17.	146 - 150*	4	Medium sand	Good
18.	150 - 155	5	Clay kankar	
19.	155 - 158*	3	Medium sand	Good
20.	158 - 165	7	Clay kankar	

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