

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- TAKUWAR, BLOCK- SORON, DISTT- KASGANJ UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Oct.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 = 14.51 Ohms.

Drilling Water Resistivity = 15.61 Ohms.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Fine to medium sand	
3.	17 - 25	8	Clay kankar	
4.	25 - 30	5	Fine to Medium sand	Medium
5.	30 - 35	5	Clay kankar	
6.	35 - 40	5	Fine sand	Medium
7.	40 - 44	4	Clay kankar	
8.	44 - 50*	6	Medium sand	Medium
9.	50 - 55	5	Clay kankar	
10.	55 - 62*	7	Medium sand	Medium
11.	62 - 74	12	Clay kankar	
12.	74 - 95*	19	Medium sand	Medium
13.	95 - 130	35	Clay kankar	

Ground Water Survey Consultancy

