

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ABHAYPUR RAMPUR PUKHTA, BLOCK- SORON, DISTT- KASGAN.  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 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 Parameters - 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 = 13.39 Ohms.

Drilling Water Resistivity = 14.26 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 15	8	Fine sand	
4.	15 - 19	4	Clay kankar	
5.	19 - 28	9	Medium sand	Medium
6.	28 - 31	3	Clay kankar	
7.	31 - 33	5	Fine sand	Medium
8.	33 - 44	11	Clay kankar	
9.	44 - 51*	7	Medium sand	Medium
10.	51 - 59	8	Clay kankar	
11.	59 - 65*	6	Fine to medium sand	Medium
12.	65 - 75	10	Clay kankar	
13.	75 - 90*	15	Medium sand	Medium
14.	90 - 95	5	Clay kankar	
15.	95 - 100*	5	Fine to medium sand	Medium

Ground Water Survey Consultancy

