

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-HODALPUR, 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 01.Dec.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 = 15.71 Ohms.

Drilling Water Resistivity = 16.53 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 12	4	Fine sand	
4.	12 - 15	3	Clay kankar	
5.	15 - 20	5	Fine sand	Medium
6.	20 - 33	13	Clay kankar	
7.	33 - 35	2	Clay kankar	
8.	35 - 46	11	Medium sand	Medium
9.	46 - 69*	23	Clay kankar	
10.	69 - 75	6	Medium sand	Medium
11.	75 - 85*	10	Clay kankar	
12.	85 - 93	8	Medium sand	Medium
13.	93 - 110*	17	Clay kankar	
14.	110 - 115	5	Medium sand	Medium
15.	115 - 121*	6	Clay kankar	
16.	121 - 130	9	Medium sand	Medium
			Clay kankar	



Ground Water Survey Consultancy