

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- LALLOOPURA, BLOCK- SAHAWAR, DISTT- KASGANJ UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 112 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 is conduct at above bore hole using IGIS Well Logger on 12.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 = 16.34 Ohms.

Drilling Water Resistivity = 17.09 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 - 8	3	Fine sand	
3.	8 - 13	5	Clay kankar	
4.	13 - 28	15	Fine to Medium sand	Medium
5.	28 - 36	8	Clay kankar	
6.	36 - 38	2	Fine sand	Medium
7.	38 - 41	3	Clay kankar	
8.	41 - 65*	24	Medium sand & kankar	Medium
9.	65 - 77	12	Clay kankar	
10.	77 - 80	3	Fine sand	Medium
11.	80 - 87	7	Clay kankar	
12.	87 - 93*	6	Fine to Medium sand	Medium
13.	93 - 100	7	Clay kankar	
14.	100 - 102	2	Fine sand	Medium
15.	102 - 112	10	Clay kankar	

Ground Water Survey Consultancy

