

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- KURHA, BLOCK- PATIYALI, DISTT- KASGANJ UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 02.Sep.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 = 15.09 Ohms.

Drilling Water Resistivity = 16.31 Ohms.

Approx Water Level = 6 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 - 18	8	Medium sand	
4.	18 - 20	2	Clay kankar	
5.	20 - 23	3	Medium sand	Medium
6.	23 - 30	7	Clay kankar	
7.	30 - 33	3	Medium sand	Medium
8.	33 - 44	11	Clay kankar	
9.	44 - 49*	5	Medium sand	Medium
10.	49 - 67	18	Clay kankar	
11.	67 - 76*	9	Fine to Medium sand	Medium
12.	76 - 95	19	Clay kankar	
13.	95 - 100*	5	Medium sand	Medium
14.	100 - 102	2	Kankar	
15.	102 - 110*	8	Medium sand	Medium
16.	110 - 115	5	Clay kankar	
17.	115 - 120*	5	Medium sand	Medium

Note :- Please ensure pre-monsoon water level before lower the well assembly.

Ground Water Survey Consultancy

