

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 19.July.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 = 16.43 Ohms.

Drilling Water Resistivity = 17.53 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 18	8	Clay kankar	
4.	18 - 27	9	Medium sand	Medium
5.	27 - 30	3	Clay kankar	
6.	30 - 33	3	Fine sand	Medium
7.	33 - 45	12	Clay kankar	
8.	45 - 50*	5	Medium sand	Medium
9.	50 - 59	9	Clay kankar	
10.	59 - 61	2	Fine sand	Medium
11.	61 - 78	17	Clay kankar	
12.	78 - 88*	10	Medium sand	Medium
13.	88 - 96	8	Clay kankar	
14.	96 - 106*	10	Medium sand	Medium
15.	106 - 110	4	Clay kankar	

Ground Water Survey Consultancy

