

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- CHIRLAULA, BLOCK- GANJDUNDWARA, 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 in the above bore hole using IGIS Well Logger on 05.Oct.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 = 15.21 Ohms.

Drilling Water Resistivity = 16.71 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 - 10	5	Dry sand	
3.	10 - 20	10	Fine to Medium sand	
4.	20 - 28	8	Clay kankar	
5.	28 - 35	7	Fine to Medium sand	Medium
6.	35 - 46	11	Clay kankar	
7.	46 - 56*	10	Medium sand	Medium
8.	56 - 64	8	Clay kankar	
9.	64 - 73*	9	Medium sand	Medium
10.	73 - 78	5	Clay kankar	
11.	78 - 82	4	Fine sand	Medium
12.	82 - 95	13	Clay kankar	
13.	95 - 100*	5	Fine to Medium sand	Medium
14.	100 - 110	10	Clay kankar	
15.	110 - 115*	5	Fine to Medium sand	Medium
16.	115 - 120	5	Clay kankar	

Ground Water Survey Consultancy

