

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PADARATHPUR, BLOCK- SAHAWAR, 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 09.Nov.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 = 15.82 Ohms.

Drilling Water Resistivity = 16.97 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 - 15	10	Clay kankar	
3.	15 - 23	8	Fine to Medium sand	
4.	23 - 31	8	Clay kankar	
5.	31 - 34	3	Fine sand	Medium
6.	34 - 39	5	Clay kankar	
7.	39 - 44	5	Fine to Medium sand	Medium
8.	44 - 47	3	Clay kankar	
9.	47 - 63*	16	Medium sand	Medium
10.	63 - 77	14	Clay kankar	
11.	77 - 98*	21	Medium sand	Medium
12.	98 - 110	12	Clay kankar	

Ground Water Survey Consultancy

