

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHEKHPUR NARAI, BLOCK- SAHAWAR, DISTT- KASGANJ UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 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 07.Aug.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 = 16.51 Ohms.

Drilling Water Resistivity = 17.19 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Dry sand	
3.	7 - 17	10	Clay kankar	
4.	17 - 27	10	Medium sand	Medium
5.	27 - 34	7	Clay kankar	
6.	34 - 37	3	Fine sand	Medium
7.	37 - 42	5	Clay kankar	
8.	42 - 60*	18	Medium sand & kankar	Medium
9.	60 - 64	4	Clay kankar	
10.	64 - 66	2	Fine sand	Medium
11.	66 - 78	12	Clay kankar	
12.	78 - 82*	4	Fine to Medium sand	Medium
13.	82 - 89	7	Clay kankar	
14.	89 - 101*	12	Medium sand	Medium
15.	101 - 107	6	Clay kankar	

Ground Water Survey Consultancy

