

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUZAFFARNAGAR, 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 01.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 = 15.48 Ohms.

Drilling Water Resistivity = 16.20 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Fine sand	
3.	11 - 16	5	Clay kankar	
4.	16 - 35	19	Medium sand	
5.	35 - 44	9	Clay kankar	
6.	44 - 50*	6	Medium sand	Medium
7.	50 - 59	9	Clay kankar	
8.	59 - 65*	6	Medium sand	Medium
9.	65 - 72	7	Clay kankar	
10.	72 - 79*	7	Medium sand	Medium
11.	79 - 100	21	Clay kankar	
12.	100 - 105	5	Fine sand	Medium
13.	105 - 110	5	Clay kankar	

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