

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHADUIYA, BLOCK- GANJ DUNDWARA, DISTT- KASGANJ UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 122 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.May. 2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 = 29.87 Ohms.

Drilling Water Resistivity = 26.29Ohms.

Approx Water Level = 12 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	Sandy Clay	
4.	23 - 25	2	Clay kankar	
5.	25 - 34	9	Medium sand	Good
6.	34 - 44	10	Clay kankar	
7.	44 - 50*	6	Medium sand	Good
8.	50 - 58	8	Clay kankar	
9.	58 - 67*	4	Fine to medium sand	Medium
10.	67 - 81	27	Clay kankar	
11.	81 - 97*	8	Fine to medium sand	Medium
12.	97 - 105	8	Clay kankar	
13.	105 - 110*	5	Fine to medium sand	Medium
14.	110 - 122	12	Clay kankar	

Logging performed as per SWSM guidelines. Groundwater quality is interpreted by firm as per their logged calibration.

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