

REPORT ON GEOPHYSICAL WELL LOGGING AT

**GRAM PANCHAYAT- SIKANDARPUR VAISHYA, BLOCK- GANJ DUNDWARA
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION**

Introduction:

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 152 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 conducted at above bore hole using IGIS Well Logger on 02.Sep. 2022.

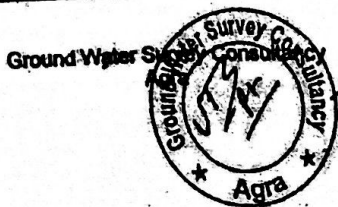
Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 15.06 Ohms.

Drilling Water Resistivity = 13.72 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 34	19	Medium sand & Kankar	Medium
5.	34 - 42	8	Clay kankar	
6.	42 - 50*	8	Medium sand	Medium
7.	50 - 58	8	Clay kankar	
8.	58 - 62	4	Kankar with Sand	Medium
9.	62 - 71	9	Clay kankar	
10.	71 - 94*	23	Fine to Medium sand	Medium
11.	94 - 98	4	Clay kankar	
12.	98 - 103	5	Very Fine sand	Medium
13.	103 - 120	17	Clay kankar	
14.	120 - 123	3	Sandy clay	
15.	123 - 132	9	Clay kankar	



Logging performed as per SWSIS guidelines - Groundwater quality interpreted by team as per their logger calibration

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