

Standard OK

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHYAM SAR, BLOCK- SORON, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 in the above bore hole using IGIS Well Logger on 16. Dec. 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 = 15.07 Ohms.

Drilling Water Resistivity = 16.11 Ohms.

Approx Water Level = 7 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 - 25	10	Fine sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 55*	25	Medium sand	Medium
6.	55 - 60	5	Clay kankar	
7.	60 - 62	2	Fine sand	Medium
8.	62 - 73	11	Clay kankar	
9.	73 - 79*	6	Fine to Medium sand	Medium
10.	79 - 87	8	Clay kankar	
11.	87 - 101*	14	Medium sand	Medium
12.	101 - 105	4	Clay kankar	
13.	105 - 113*	8	Fine to Medium sand	Medium
14.	113 - 120	7	Clay kankar	

