

**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- SIKAHARA, BLOCK- SIDHPURA,**  
**DISTT- KASGANJ**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at the 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 bore hole using IGIS Well Logger on 02.Dec.2023.

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

Mud Resistivity = 15.87 Ohms.

Drilling Water Resistivity = 16.58 Ohms.

Approx Water Level = 9 Mtr.

Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
0 - 5	5	Surface soil	
5 - 7	2	Clay kankar	
7 - 18	11	Fine to Medium sand	
18 - 25	7	Clay kankar	
25 - 53*	28	Medium sand & kankar	Medium
53 - 57	4	Clay kankar	
57 - 60	3	Fine sand	Medium
60 - 72	12	Clay kankar	
72 - 82*	10	Medium sand	Medium
82 - 89	7	Clay kankar	
89 - 98*	9	Medium sand	Medium
98 - 120	22	Clay kankar	

Ground Water Survey Consultancy

