

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KASAUN NIAMPUR, BLOCK- SHEETALPUR, DISTT. ETAH  
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 Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGS Well Logger on 26. Feb. 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:-

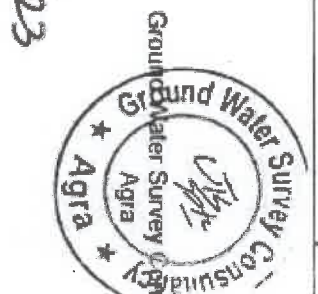
Mud Resistivity = 13.17 Ohms.

Drilling Water Resistivity = 14.39 Ohms.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 43	38	Clay	
3.	43 - 53*	10	Medium sand	Medium
4.	53 - 59	6	Clay kankar	
5.	59 - 82*	23	Medium sand	Medium
6.	82 - 86	4	Clay kankar	
7.	86 - 88	2	Fine sand	Medium
8.	88 - 95	7	Clay kankar	
9.	95 - 113*	18	Medium sand	Medium
10.	113 - 120	7	Clay kankar	

Sr NOS and 9 have  
been OS of finer  
sediments.



- Logging performed as per SURTM guidelines. Groundwater quality interpreted by former per their logger per their calibration.

SSR  
28/02/23