

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHOPALPUR 2 , BLOCK- NIDHOLI KALAN, DISTT- ETAH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~116~~ 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 IGIS Well Logger on 25.Jun.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 = ~~15.63~~ Ohms.

Drilling Water Resistivity = ~~16.87~~ Ohms.

Approx Water Level = 9 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 - 19	4	Fine to Medium sand	
4.	19 - 23	4	Clay kankar	
5.	23 - 35	12	Fine to Medium sand	Medium
6.	35 - 53	18	Clay kankar	
7.	53 - 58*	5	Medium sand	Medium
8.	58 - 116	58	Clay kankar	

G.Sh  
27/06/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines  
Groundwater quality  
interpolated by firm  
as per their logger  
calibration.