

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PRITHIPAL GANJ GRINT, BLOCK- ITIYATHOK, DISTT- GONDA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 169 mtrs. depth. and Logged depth ~~165~~ mtrs. at above site. Was drilled by M/s Rays Power Infra Pvt. Ltd. Lucknow.

On the request of M/s Rays Power Infra Pvt. Ltd. Lucknow. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.June.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 <sup>Seen</sup> Strata Chart prepared from drill cuttings are given in the following table:-



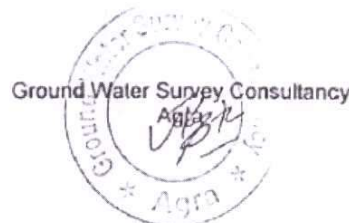
Mud Resistivity = 18.31 Ohms.

Drilling Water Resistivity = 19.64 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 - 15	10	Clay	
3.	15 - 35	20	Medium sand	Good
4.	35 - 42	7	Clay kankar	
5.	42 - 52 ✓	10	Medium sand	Good
6.	52 - 61	9	Clay kankar	
7.	61 - 86* ✓	25	Medium sand	Good
8.	86 - 98	12	Clay kankar	
9.	98 - 101* ✓	3	Medium sand	Good
10.	101 - 105	4	Clay kankar	
11.	105 - 123* ✓	18	Medium sand	Good
12.	123 - 141	18	Clay kankar	
13.	141 - 152* ✓	11	Medium sand	Good
14.	152 - 165	13	Clay kankar	

S/N 013  
143-151  
(8m)  
GSh  
22/06/23



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