

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BALIDADPUR, BLOCK- AWAGARH, DISTT- ETAH UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 115 mtrs. at above site. Was drilled by M/s Kalpataru Project International Pvt. Ltd, Etah.

On the request of M/s Kalpataru Project International Pvt. Ltd, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.June.2024.

Logging Para meters - Self potential, short normal (N16), 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 = 16.21 Ohms.

Drilling Water Resistivity = 17.40 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 16	4	Fine sand	
4.	16 - 20	4	Clay kankar	
5.	20 - 28	8	Medium sand	Medium
6.	28 - 40	12	Clay kankar	
7.	40 - 42	2	Fine Sand	Medium
8.	42 - 55	13	Clay kankar	
9.	55 - 60	5	Fine sand & kankar	Medium
10.	60 - 70	10	Clay kankar	
11.	70 - 77*	7	Fine to Medium sand	Medium
12.	77 - 91	14	Clay kankar	
13.	91 - 95	4	Sand & kankar	Medium
14.	95 - 115	20	Clay kankar	

Ground Water Survey Consultancy



