

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JARAULI KHURD, BLOCK- HASAYAN, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.May.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 = 14.30 Ohms.

Drilling Water Resistivity = 15.40 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 30	20	Fine to medium sand	Medium
4.	30 - 37	7	Clay kankar	
5.	37 - 44	7	Fine to medium sand	Medium
6.	44 - 47	3	Clay kankar	
7.	47 - 52	5	Fine sand	Medium
8.	52 - 57	5	Clay kankar	
9.	57 - 65*	8	Medium sand	Medium
10.	65 - 75	10	Clay kankar	
11.	75 - 83*	8	Fine to medium sand	Medium
12.	83 - 101	18	Clay kankar	
13.	101 - 106*	5	Fine to medium sand	Medium
14.	106 - 107	1	Clay	

Ground Water Survey Consultancy

