

**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- JARERA, 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 12.Sep.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 = 14.12 Ohms.  
 Drilling Water Resistivity = 15.40 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 - 8	3	Clay kankar	
3.	8 - 18	10	Medium sand	
4.	18 - 21	3	Clay kankar	
5.	21 - 25	4	Fine to medium sand	Medium
6.	25 - 28	3	Clay kankar	
7.	28 - 31	3	Fine to medium sand	Medium
8.	31 - 37	6	Clay kankar	
9.	37 - 42	5	Fine sand	Medium
10.	42 - 58	16	Clay kankar	
11.	58 - 70*	12	Fine to medium sand	Medium
12.	70 - 74	4	Clay kankar	
13.	74 - 79*	5	Fine to medium sand	Medium
14.	79 - 95	6	Clay kankar	
15.	95 - 98*	3	Fine to medium sand	Medium
16.	98 - 107	9	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.

