

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~94~~ 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 21.May.2023.

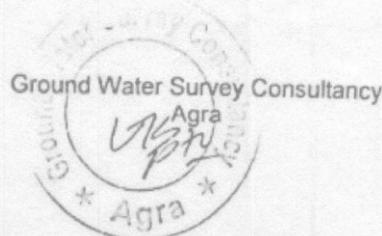
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~15.69~~ Ohms.

Drilling Water Resistivity = ~~17.50~~ 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 - 14	9	Dry sand & kankar	
3.	14 - 20	6	Clay kankar	
4.	20 - 30	10	Fine to Medium sand	Medium
5.	30 - 40	10	Clay kankar	
6.	40 - 47*	7	Fine to Medium sand	Medium
7.	47 - 50	3	Clay kankar	
8.	50 - 55	5	Fine sand	Medium
9.	55 - 61	6	Clay kankar	
10.	61 - 77*	16	Medium sand	Medium
11.	77 - 94	17	Clay kankar	



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by fern as per their logger calibration
G.Sh.