

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HUSAINPUR, BLOCK- MOHAMMADABAD,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth ¹³⁴ 140 mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s G.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.Feb.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 = 14.84 Ohms.

Drilling Water Resistivity = 15.43 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 - 10	5	Clay kankar	
3.	10 - 15	5	Sand & kankar	Medium
4.	15 - 25	10	Clay kankar	
5.	25 - 30	5	Fine sand	Medium
6.	30 - 48	18	Clay kankar	
7.	48 - 68*	20	Fine to Medium sand	Medium
8.	68 - 140	72	Clay kankar	

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



GSR
21/02/23