

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

**Introduction :**

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth ~~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 19.April.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 = ~~14.67~~ Ohms.  
Drilling Water Resistivity = ~~17.12~~ Ohms.  
Approx Water Level = 27 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Dry sand	
3.	21 - 39	18	Clay kankar	
4.	39 - 43	4	Fine sand	
5.	43 - 46	3	Clay kankar	
6.	46 - 58*	12	Medium sand	Medium
7.	58 - 68	10	Clay kankar	
8.	68 - 70	2	Fine sand	Medium
9.	70 - 93	23	Clay kankar	
10.	93 - 97*	4	Fine to medium sand	Medium
11.	97 - 115	18	Clay kankar	
12.	115 - 121*	6	Fine to Medium sand	Medium
13.	121 - 140	19	Clay Kankar	

- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by fem as per their logger calibration  
GSh  
20/04/23

