

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MERAPUR, BLOCK- MOHAMMADABAD
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth ~~165~~ 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 01.Sep.2022.

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 = 18.85 Ohms.
 Drilling Water Resistivity = 19.13 Ohms.
 Approx Water Level = 18 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 - 18	8	Dry sand	
4	18 - 26	8	Clay kankar	
5	26 - 34	8	Fine sand	Medium
6	34 - 45	11	Clay kankar	
7	45 - 55*	10	Medium sand	Medium
8	55 - 88	33	Clay kankar	
9	88 - 97*	9	Medium sand	Medium
10	97 - 110	13	Clay kankar	
11	110 - 117*	7	Medium sand	Medium
12	117 - 165	48	Clay kankar	



- Logging performed as per SWSM guidelines.
 - Groundwater quality interpreted by firm on their logger calibration.
 ASSISTANT HYDROGEOLOGIST
 CIRCLE OFFICE (EM)
 U.P. JAL NIGAM (RURAL)
 PRAYAGRAH 22