

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHAJAN T2, BLOCK- SHAMSHABAD,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 180 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.Aug.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 = 17.58 Ohms.

Drilling Water Resistivity = 18.20 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 35	20	Clay kankar	
4.	35 - 40	5	Medium sand	Med to Good
5.	40 - 44	4	Clay kankar	
6.	44 - 46	2	Medium sand	Med to Good
7.	46 - 95	49	Clay kankar	
8.	95 - 110*	15	Medium sand	Med to Good
9.	110 - 114	4	Clay kankar	
10.	114 - 120*	6	Medium sand & kankar	Med to Good
11.	120 - 125	5	Clay kankar	
12.	125 - 135*	10	Fine to Medium sand	Med to Good
13.	135 - 175	40	Clay kankar	
14.	175 - 180	5	Sandy clay	

Ground Water Survey Consultancy

