

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MANJHANA T I, BLOCK- SIAMSHABAD, DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 188 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.Sep.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 = 17.63 Ohms.

Drilling Water Resistivity = 18.56 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 - 22	17	Clay kankar	
3.	22 - 27	5	Fine sand	
4.	27 - 35	8	Clay kankar	
5.	35 - 42	7	Medium sand	Med to Good
6.	42 - 55	13	Clay kankar	
7.	55 - 59*	4	Fine to Medium sand	Med to Good
8.	59 - 65	6	Clay kankar	
9.	65 - 67	2	Fine sand	Med to Good
10.	67 - 74	7	Clay kankar	
11.	74 - 78*	4	Fine to Medium sand	Med to Good
12.	78 - 100	22	Clay kankar	
13.	100 - 110*	10	Medium sand	Med to Good
14.	110 - 115	5	Clay kankar	
15.	115 - 121*	6	Medium sand	Med to Good
16.	121 - 129	8	Clay kankar	
17.	129 - 136	7	Kankar	
18.	136 - 140	4	Clay kankar	
19.	140 - 145	5	Sand & kankar	
20.	145 - 175	30	Clay kankar	
21.	175 - 182	7	Sandy clay	
22.	182 - 188	6	Clay kankar	

Ground Water Survey Consultancy

