

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/s J.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s J.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 21.June.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 = 16.50 Ohms.

Drilling Water Resistivity = 19.87 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 - 12	7	Clay kankar	
3.	12 - 33	21	Fine to Medium sand	
4.	33 - 48	15	Clay kankar	
5.	48 - 52	4	Fine sand	Med. to Good
6.	52 - 62	10	Clay kankar	
7.	62 - 65	3	Fine sand	Med. to Good
8.	65 - 76	11	Clay kankar	
9.	76 - 90*	14	Sand & Kankar	Med. to Good
10.	90 - 100	10	Clay kankar	
11.	100 - 113*	13	Fine to Med. sand & Kankar	Med. to Good
12.	113 - 135	22	Clay kankar	
13.	135 - 141	6	Kankar	
14.	141 - 180	39	Clay kankar	
15.	180 - 188	8	Kankar	
16.	188 - 200	12	Clay kankar	

Ground Water Survey Consultancy

