

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- KARHIYOLI, BLOCK- NAWABGANJ, DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth ~~187~~ 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 26.Oct.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 = ~~19.25~~ Ohms.

Drilling Water Resistivity = ~~24.09~~ Ohms.

Approx Water Level = 17 Mtr.

S.No	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Dry sand	
3.	17 - 29	11	Fine to medium sand	
4.	29 - 50	21	Clay kankar	
5.	50 - 65*	15	Medium sand	Good
6.	65 - 87	22	Clay kankar	
7.	87 - 101*	14	Medium sand	Good
8.	101 - 115	14	Clay kankar	
9.	115 - 121*	6	Fine to medium sand	Good
10.	121 - 140	19	Clay kankar	
11.	140 - 149	9	Fine sand	
12.	149 - 187	38	Clay kankar	

Ground Water Survey Consultancy

- Logging performed as per SWIS guidelines - Groundwater quality interpreted by firm as per their logger calibration

G.S.R
29/11/22