

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARABIKO, BLOCK- NAWABGANJ,
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 22.June.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:-

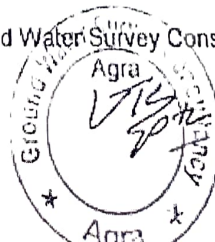
Mud Resistivity = 16.51 Ohms.

Drilling Water Resistivity = ~~17.19~~ Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 17	7	Clay	
4.	17 - 21	4	Sandy Clay	
5.	21 - 26	5	Clay Kankar	
6.	26 - 35	9	Medium sand	Medium
7.	35 - 54	19	Clay kankar	
8.	54 - 70*	16	Medium sand	Medium
9.	70 - 106	36	Clay kankar	
10.	106 - 126*	20 19	Medium sand	Medium
11.	125 - 161	36	Clay kankar	
12.	161 - 167	6	Fine sand	Medium
13.	167 - 188	21	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWIS guidelines
- Groundwater quality interpreted by fin as per SWIS logge calibration!