

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAKARPUR, BLOCK- NAWABGANJ
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 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 24 August 2022.

Logging Parameters - 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 = 13.33 Ohms.

Drilling Water Resistivity = 23.07 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 - 20	15	Fine sand & Kankar	
3.	20 - 22	2	Clay kankar	
4.	22 - 45	23	Sandy clay	
5.	45 - 55*	10	Medium sand	Med. to Good
6.	55 - 60	5	Clay kankar	
7.	60 - 65*	5	Fine to Medium sand	Medium
8.	65 - 75	10	Clay kankar	
9.	75 - 80	5	Kankar with Sand	Medium
10.	80 - 110	30	Clay kankar	
11.	110 - 116*	6	Medium sand & Kankar	Medium
12.	116 - 133	17	Clay kankar	
13.	133 - 146*	13	Medium sand	Medium
14.	146 - 154	8	Clay kankar	
15.	154 - 158*	4	Medium sand	Medium
16.	158 - 200	42	Clay kankar	

Ground Water Survey Consultancy



- Sr No 13 is also interlinked with bands of kankar.
- Logging performed as per standards.
- Groundwater quality interpreted by firm as per their logger calibration.
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