

REPORT ON GEOPHYSICAL WELL LOGGING

AT

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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth and Logged depth 198 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.July.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:-

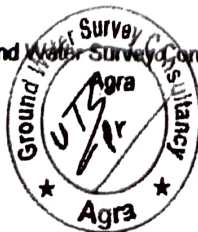
Mud Resistivity = 13,14 Ohms.

Drilling Water Resistivity = 14,10 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 - 18	13	Dry sand	
3.	18 - 28	10	Clay kankar	
4.	28 - 32	4	Fine sand	
5.	32 - 40	8	Clay kankar	
6.	40 - 43	3	Sand & Kankar	Med. to Good
7.	43 - 50	7	Clay kankar	
8.	50 - 56*	6	Fine to Medium sand	Med. to Good
9.	56 - 90	22	Clay kankar	
10.	90 - 93*	3	Fine to Medium sand	Med. to Good
11.	93 - 110	17	Clay kankar	
12.	110 - 113	3	Kankar	
13.	113 - 120*	7	Fine to Medium sand	Med. to Good
14.	120 - 152	32	Clay kankar	
15.	152 - 157	5	Fine sand	
16.	157 - 198	41	Clay kankar	

Ground Water Survey Consultancy



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

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