REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- DIYORA MAHSONA, BLOCK- NAWABGANJ
DISTT- FARRUKHABAD

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 199 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.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 = 08.43 Ohms.

Driliing Water Resistivity = 09.73 Ohms.

Approx Water Level = 18 Mtr.

S.No	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 22	4	Clay kankar	
4.	22 - 31	9	Medium sand	Good
5.	31 - 49	18	Clay kankar	
6.	49 - 53*	4	Fine to Medium sand	Medium
7.	53 - 63	10	Clay kankar	
8.	63 - 70*	7	Fine to Medium sand	Medium
9.	70 - 85	15	Clay kankar	
10.	85 - 90*	5	Fine to Medium sand	Medium
11.	90 - 100	10	Clay kankar	
12.	100 - 105	5	Fine sand & Kankar	Medium
13.	105 - 118	13	Clay kankar	
14.	118 - 122*	4	Fine to Medium sand	Medium
15.	122 - 142	20	Clay kankar	
16.	142 - 152	10	Fine sand & Kankar	Marginally Saline
17.	152 - 199	47	Clay kankar	

Ground Water Survey Consultancy
U.T. Agra
Agra

- Logging performed as per SWSM guidlines.
- Groundwater quality interpretation by firm as per their logger calibration.

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