

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 185mtrs. depth. and Logged depth 180 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 23.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 = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 26	11	Clay kankar	
4.	26 - 41	15	Medium sand & kankar	Good
5.	41 - 54	13	Clay kankar	
6.	54 - 60*	6	Medium sand	Good
7.	60 - 97	37	Clay kankar	
8.	97 - 110*	13	Medium sand	Good
9.	110 - 115	5	Clay kankar	
10.	115 - 120*	5	Medium sand	Good
11.	120 - 125	5	Clay kankar	
12.	125 - 130*	5	Fine to medium sand	Good
13.	130 - 169	39	Clay kankar	
14.	169 - 172*	3	Fine to medium sand	Good
15.	172 - 180	8	Clay kankar	

