

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BALIPUR, BLOCK- NAWABGANJ
DISTT- FARRUKHABAD

UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/s J.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s J.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.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 = 16.09 Ohms.

Drilling Water Resistivity = 20.56 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 - 15	10	Dry sand	
3.	15 - 30	15	Fine to Medium sand	Good
4.	30 - 50	20	Clay kankar	
5.	50 - 56*	6	Medium sand	Good
6.	56 - 63	7	Clay kankar	
7.	63 - 66	3	Kankar	
8.	66 - 100	34	Clay kankar	
9.	100 - 105*	5	Fine to Medium sand	Good
10.	105 - 115	10	Clay kankar	
11.	115 - 123*	8	Medium sand	Good
12.	123 - 140	17	Clay kankar	

