

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARAI, BLOCK- SHAMSHABAD
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 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 19.June.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 = 09.19 Ohms.

Drilling Water Resistivity = 13.69 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 34	29	Fine to Medium sand	Medium
3.	34 - 65	31	Clay kankar	
4.	65 - 85*	20	Medium sand	Medium
5.	85 - 96*	11	Fine to Medium sand	Medium
6.	96 - 104	8	Clay kankar	
7.	104 - 115*	11	Sand & Kankar	Medium
8.	115 - 135	20	Clay kankar	
9.	135 - 145	10	Kankar	Medium
10.	145 - 200	55	Clay kankar	

