

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUIYAN SANT, BLOCK- SHAMSHABAD,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 181 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 30.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 = 16.50 Ohms.

Drilling Water Resistivity = 17.32 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 - 21	16	Clay kankar	
3.	21 - 41	20	Medium sand & kankar	Medium
4.	41 - 63	22	Clay kankar	
5.	63 - 70*	7	Medium sand	Medium
6.	70 - 78	8	Clay kankar	
7.	78 - 87*	9	Medium sand	Medium
8.	87 - 100	13	Clay kankar	
9.	100 - 111*	11	Medium sand	Medium
10.	111 - 116	5	Clay kankar	
11.	116 - 122*	6	Medium sand	Medium
12.	122 - 140	18	Clay kankar	
13.	140 - 147	7	Fine sand	Medium
14.	147 - 181	34	Clay kankar	

