

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 195 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.Nov.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 = 22.44 Ohms.

Drilling Water Resistivity = 23.07 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 - 8	3	Dry sand	
3.	8 - 10	2	Clay	
4.	10 - 20	10	Fine sand	
5.	20 - 27	7	Clay kankar	
6.	27 - 40*	13	Medium sand	Medium
7.	40 - 54	14	Clay kankar	
8.	54 - 56	2	Fine to medium sand	Medium
9.	56 - 66	10	Clay kankar	
10.	66 - 72	6	Sand & kankar	Medium
11.	72 - 114	42	Clay kankar	
12.	114 - 120*	6	Fine to medium sand	Medium
13.	120 - 130	10	Clay kankar	
14.	130 - 137*	7	Sand & kankar	Medium
15.	137 - 180	43	Clay kankar	
16.	180 - 188*	8	Fine to medium sand	Medium
17.	188 - 195	7	Clay kankar	



Logging performed as per SWSM guideline Groundwater quality interpreted by firm as per their logger calibration

GSh
01/12/22

SrNo6-3140
(9m)
SrNo14-133-137
(4m)