

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SITUWANPUR PISU T-2, BLOCK- MOHAMMADABAD,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 175 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 12.Aug.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 = 11.40 Ohms.

Drilling Water Resistivity = 12.80 Ohms.

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 34	9	Medium sand	Good
5.	34 - 45	11	Clay kankar	
6.	45 - 56*	11	Medium sand	Good
7.	56 - 61	5	Clay kankar	
8.	61 - 66	5	Fine to medium sand	Marginally Saline
9.	66 - 75	9	Clay kankar	
10.	75 - 81	6	Fine sand	Marginally Saline
11.	81 - 135	54	Clay kankar	
12.	135 - 141	6	Fine to medium sand	Marginally Saline
13.	141 - 155	14	Clay kankar	
14.	155 - 163	8	Fine to medium sand	Marginally Saline
15.	163 - 175	12	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.

Ground Water Survey Consultancy



No. 2
 N 1635N
 N 64 UN
 LAT

Log No. 1
 10/5/5/02/22-23

Log No. 1
 DMPL-2
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

