

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 180 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 05.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 = 16.79 Ohms.

Drilling Water Resistivity = 17.48 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 - 10	5	Clay kankar	
3.	10 - 25	15	Medium sand	
4.	25 - 30	5	Sandy clay	
5.	30 - 35	5	Clay kankar	
6.	35 - 42*	7	Medium sand	Med to Good
7.	42 - 60	18	Clay kankar	
8.	60 - 65*	5	Medium sand	Med to Good
9.	65 - 103	38	Clay kankar	
10.	103 - 115*	12	Medium sand	Med to Good
11.	115 - 125	10	Clay kankar	
12.	125 - 130*	5	Fine to Medium sand	Med to Good
13.	130 - 163	33	Clay kankar	
14.	163 - 175*	12	Medium sand	Med to Good
15.	175 - 180	5	Sandy clay	

Ground Water Survey Consultancy
Agra



