

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SULTAN NAGAR, BLOCK- MOHAMMADABAD
DISTT- FARRUKHABAD

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200mtrs. depth. and Logged depth ~~185~~ 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 02.Dec.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 = 22.52 Ohms.

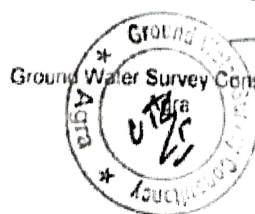
Drilling Water Resistivity = 21.22 Ohms

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 25	20	Dry sand & kankar	
3.	25 - 50	25	Clay kankar	
4.	50 - 53*	3	Fine to Medium sand	Medium
5.	53 - 75	22	Clay kankar	
6.	75 - 95*	20	Medium sand & kankar	Medium
7.	95 - 125	30	Clay kankar	
8.	125 - 133*	8	Medium sand	Medium
9.	133 - 138	5	Clay kankar	
10.	138 - 143*	5	Fine to Medium sand	Medium
11.	143 - 185	42	Clay kankar	

-In Sr NO6
kankar is present
in between 80-90
m bgl.

- Logging performed as per
SIWSM guidelines.



Groundwater quality
interpreted by firm as
per their logger calibration

GSL
05/12/22