

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SONA JANKIPUR, BLOCK- SHAMSHABAD,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth ~~192~~ 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 09.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 = ~~16.51~~ Ohms.

Drilling Water Resistivity = ~~17.19~~ Ohms.

Approx Water Level = 16 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 45	15	Medium sand	Medium
5.	45 - 53	8	Clay kankar	
6.	53 - 56	3	Fine sand	Medium
7.	56 - 61	5	Clay kankar	
8.	61 - 70*	9	Medium sand	Medium
9.	70 - 76	6	Clay kankar	
10.	76 - 86*	10	Medium sand	Medium
11.	86 - 95	9	Clay kankar	
12.	95 - 100*	5	Fine to Medium sand	Medium
13.	100 - 115	15	Clay kankar	
14.	115 - 120*	5	Fine to Medium sand	Medium
15.	120 - 192	72	Clay kankar	

G.Sh
12/06/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.

- Groundwater quality interpreted by firm as per their logger calibration.