

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LALAI, BLOCK- SHAMSHABAD,  
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 23.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 = 15.87 Ohms.

Drilling Water Resistivity = ~~16.75~~ Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay	
3.	15 - 20	5	Fine to Medium sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 30	5	Fine sand	Medium
6.	30 - 52	22	Clay kankar	
7.	52 - 57*	5	Medium sand	Medium
8.	57 - 101	44	Clay kankar	
9.	101 - 114*	13	Medium sand	Medium
10.	114 - 120	6	Clay kankar	
11.	120 - 127*	7	Medium sand	Medium
12.	127 - 161	34	Clay kankar	
13.	161 - 170*	9	Medium sand	Medium
14.	170 - 180	10	Clay kankar	

GCh  
24/06/23

Ground Water Survey Consultancy



- Logging performed as per  
SWSM guidelines.  
- Groundwater quality  
interpreted by firm as  
per their logger  
calibration.