

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 195 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 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 = 23.23 Ohms.

Drilling Water Resistivity = 21.22 Ohms.

Approx Water Level = 24 Mtr.

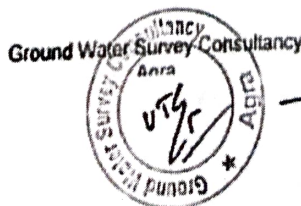
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 24	9	Dry sand	
5.	24 - 30	6	Clay kankar	
6.	30 - 36	6	Medium sand	Medium
7.	36 - 58	22	Clay kankar	
8.	58 - 65*	7	Medium sand	Medium
9.	65 - 80	15	Clay kankar	
10.	80 - 87*	7	Fine to Medium sand	Medium
11.	87 - 92	5	Clay kankar	
12.	92 - 95*	3	Fine to Medium sand	Medium
13.	95 - 110	15	Clay kankar	
14.	110 - 123*	13	Fine to Medium sand	Medium
15.	123 - 155	32	Clay kankar	
16.	155 - 159*	4	Fine sand	Medium
17.	159 - 165	6	Clay kankar	
18.	165 - 168*	3	Medium sand	Medium
19.	168 - 180	12	Clay kankar	

- Logging performed as per

SWSM guidelines.

- Groundwater quality report  
acted by firm as per their  
logger calibration

Scanned with CamScanner



- S/N 10 is  
also fine in  
nature

Sh. 05/12/22