

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/s K.I.P.L.

On the request of M/s J.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.July.2022.

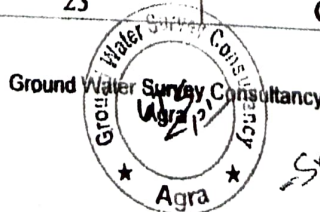
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-84), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 16.92 Ohms.

Drilling Water Resistivity = 18.08 Ohms.

Approx Water Level = 18 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 - 29	11	Clay kankar	
4.	29 - 35	6	Medium sand	Medium
5.	35 - 50	15	Clay kankar	
6.	50 - 57*	7	Medium sand	Medium
7.	57 - 60	3	Clay kankar	
8.	60 - 66*	6	Fine to Medium sand	Medium
9.	66 - 73	7	Clay kankar	
10.	73 - 85*	12	Fine to Med. sand & Kankar	Medium
11.	85 - 98	13	Clay kankar	
12.	98 - 110*	12	Fine to Med. sand & Kankar	Medium
13.	110 - 114	4	Clay kankar	
14.	114 - 117	3	Fine sand	Medium
15.	117 - 140	23	Clay kankar	



Sr No 06 predominantly finer sediments  
- Logging performed using SWEM guidelines  
- Ground water quality interpreted by firm as per their logger calibration  
ASSISTANT HYDROGEOLOGIST  
M. K. SINGH  
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