



## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANDERA, BLOCK- BADOT, DISTT- BAGHPAT  
UNDER  
JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 141 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Baghpat.

On the request of M/s LC Infra Projects Pvt. Ltd., Baghpat. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.Mar.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 20	5	Dry sand	
4.	20 - 23	3	Clay kankar	
5.	23 - 28	5	Fine sand	Medium
6.	28 - 31	3	Clay kankar	
7.	31 - 35	4	Fine to Medium sand	Medium
8.	35 - 41	6	Clay kankar	
9.	41 - 65*	24	Medium sand	Medium
10.	65 - 71	6	Clay kankar	
11.	71 - 78*	7	Medium sand	Medium
12.	78 - 83	5	Clay kankar	
13.	83 - 86	3	Fine sand	Medium
14.	86 - 95	9	Clay kankar	
15.	95 - 105	10	Sand & kankar	Medium
16.	105 - 110	5	Clay kankar	
17.	110 - 118*	8	Fine to Medium sand	Medium
18.	118 - 123	5	Clay kankar	
19.	123 - 128*	5	Medium sand & kankar	Medium
20.	128 - 140	12	Clay kankar	

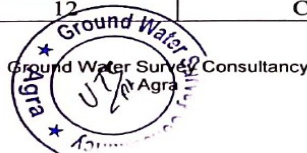


Fig 6 Water logging Report

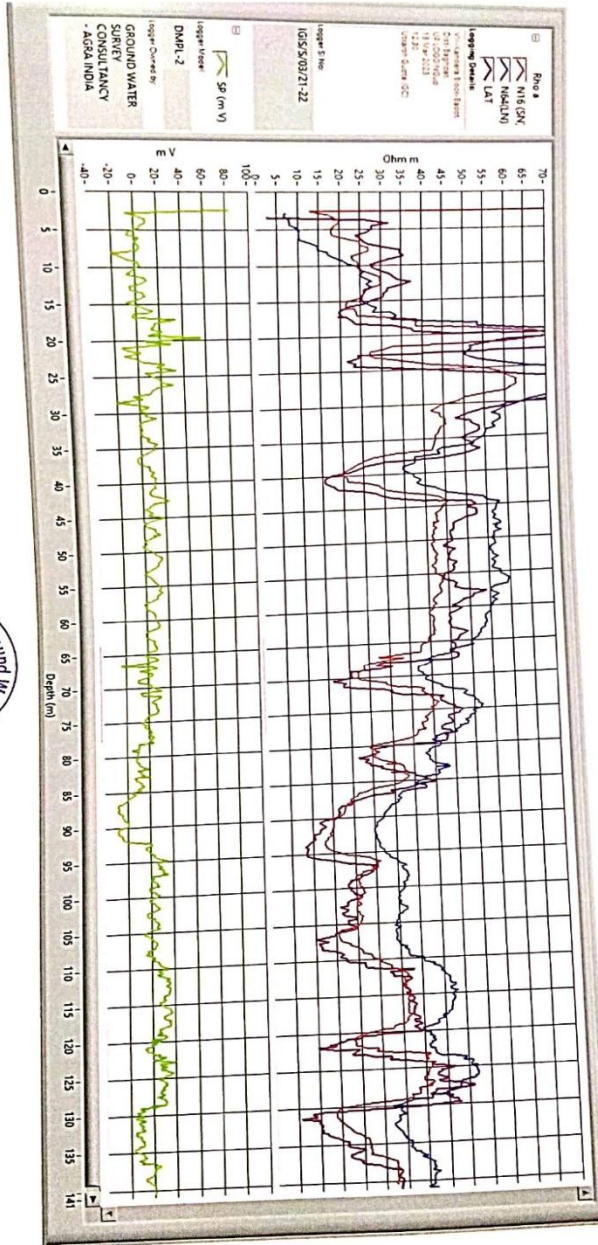


Fig 7 Logging Graph