

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GANESHPUR, BLOCK- BALRAMPUR, DISTT- BALRAMPUR  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~157~~ mtrs. at above site. Was drilled by M/S L&T Construction Limited, Balrampur.

On the request of M/S L&T Construction Limited, Balrampur. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 30.May.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 = ~~22.51~~ Ohms.

Drilling Water Resistivity = ~~23.80~~ Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 13	5	Fine sand	Good
4.	13 - 20	7	Clay kankar	
5.	20 - 41	21	Medium sand	Good
6.	41 - 50	9	Clay kankar	
<del>7.</del>	50 - 74*	24	Medium sand	Good
8.	74 - 82	8	Clay kankar	
9.	82 - 95*	13	Medium sand	Good
10.	95 - 105	10	Clay kankar	
11.	105 - 114*	9	Medium sand & kankar	Good
12.	114 - 117	3	Clay kankar	
13.	117 - 120	3	Fine sand	Good
14.	120 - 127	7	Clay kankar	
15.	127 - 136*	9	Medium sand	Good
16.	136 - 145	9	Clay kankar	
17.	145 - 157*	12	Medium sand	Good

Sr NO7- 70-74 (4w)  
Clean sand rest-  
part is kankar  
intermixed

Ground Water Survey Consultancy  
Agra



G&S  
31/05/23

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