

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KITHOORA, BLOCK- SHRIDUTTGANJ,
DISTT- BALRAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 175 mtrs. depth. and Logged depth ~~172~~ mtrs. at above site. Was drilled by M/S Brother's & Construction Company, Balrampur.

On the request of M/S Brother's & Construction Company, Balrampur. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 10.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 = 18.32 Ohms.

Drilling Water Resistivity = 19.64 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 14	4	Clay kankar	
4.	14 - 20	6	Fine to medium sand	Good
5.	20 - 26	6	Clay kankar	
6.	26 - 40	14	Medium sand	Good
7.	40 - 46	6	Clay kankar	
8.	46 - 60*	14	Medium sand	Good
9.	60 - 64	4	Clay kankar	
10.	64 - 77*	13	Medium sand	Good
11.	77 - 84	7	Clay kankar	
12.	84 - 95*	11	Medium sand	Good
13.	95 - 106	11	Clay kankar	
14.	106 - 120*	14	Medium sand	Good
15.	120 - 128	8	Clay kankar	
16.	128 - 140*	12	Medium sand	Good
17.	140 - 144	4	Clay kankar	
18.	144 - 164*	20	Medium sand	Good
19.	164 - 172	8	Clay kankar	

Sudhanta
JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA



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

C.S.H.
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