

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHITNAPUR, BLOCK- RUPAIDEEH, DISTT- GONDA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~163~~ mtrs. at above site. Was drilled by M/s Rays Power Infra Pvt. Ltd. Lucknow.

On the request of M/s Rays Power Infra Pvt. Ltd. Lucknow. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.June.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:-

Seen

Mud Resistivity = ~~18.31~~ Ohms.

Drilling Water Resistivity = ~~17.64~~ Ohms.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 24	19	Clay	
3.	24 - 35	11	Medium sand	Good
4.	35 - 44	9	Clay kankar	
5.	44 - 50*	6	Medium sand	Good
6.	50 - 55	5	Clay kankar	
7.	55 - 70*	15	Medium sand	Good
8.	70 - 75	5	Clay kankar	
9.	75 - 85*	10	Medium sand	Good
10.	85 - 95	10	Clay kankar	
11.	95 - 105*	10	Medium sand	Good
12.	105 - 116	11	Clay kankar	
13.	116 - 130*	14	Medium sand	Good
14.	130 - 140	10	Clay kankar	
15.	140 - 150*	10	Medium sand	Good
16.	150 - 158	8	Clay kankar	
17.	158 - 161*	3	Medium sand	Good
18.	161 - 163	2	Clay kankar	

Seen

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

Ground Water Survey Consultancy



- Logging performed as per IS:5859 guidelines
- Groundwater quality interpreted by firm as per their logger calibration
gsh
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