

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth ~~150~~ 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 18.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
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Mud Resistivity = ~~16.72~~ Ohms.

Drilling Water Resistivity = ~~17.23~~ Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	Medium
3.	20 - 30	10	Clay kankar	
4.	30 - 36	6	Medium sand	Medium
5.	36 - 45	9	Clay kankar	
6.	45 - 69*	24	Medium sand	Medium
7.	69 - 74	5	Clay kankar	
8.	74 - 82*	8	Medium sand	Medium
9.	82 - 87	5	Clay kankar	
10.	87 - 91*	4	Medium sand	Medium
11.	91 - 96	5	Clay kankar	
12.	96 - 101*	5	Medium sand	Medium
13.	101 - 112	11	Clay kankar	
14.	112 - 130*	18	Medium sand & kankar	Medium
15.	130 - 145	15	Clay kankar	
16.	145 - 150	5	Fine sand	Medium

Seen
[Signature]

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U.P. JAL NIGAM RURAL GONDA

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their loggers calibration
G.S.H
20/06/23