

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NIDHI NAGAR TO BALWANT NAGAR, BLOCK- RUPAIDEEH,
DISTT- GONDA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth ~~160~~ 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 27.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 = 21.40 Ohms.

Drilling Water Resistivity = ~~22.64~~ Ohms.

Approx Water Level = 21 Mtr.

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 - 23	8	Medium sand	
4.	23 - 30	7	Clay kankar	
5.	30 - 35	5	Medium sand	Good
6.	35 - 46	11	Clay kankar	
7.	46 - 72*	26	Medium sand	Good
8.	72 - 76	4	Clay kankar	
9.	76 - 89*	13	Medium sand	Good
10.	89 - 100	11	Clay kankar	
11.	100 - 105*	5	Fine to Medium sand	Good
12.	105 - 110	5	Kankar	
13.	110 - 112*	2	Medium sand	Good
14.	112 - 116	4	Clay kankar	
15.	116 - 126*	10	Medium sand	Good
16.	126 - 134	8	Clay kankar	
17.	134 - 136	2	Fine sand	Good
18.	136 - 141	5	Clay kankar	
19.	141 - 160*	9	Medium sand	Good

Sr No 746-52 (6m)
60-72 (12m)
Sr No 11-102-105

Ground Water Survey Consultancy



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

- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by ferm as per their calibration
gsh
20/06/23