

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~165~~ 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 15.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:-

Mud Resistivity = ~~16.58~~ Ohms.

Drilling Water Resistivity = ~~17.68~~ Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 35	15	Medium sand	Medium
4.	35 - 42	7	Clay kankar	
5.	42 - 96*	54	Medium sand	Medium
6.	96 - 107	11	Clay kankar	
7.	107 - 120*	15	Medium sand	Medium
8.	120 - 125	5	Clay kankar	
9.	125 - 130	5	Fine sand	Medium
10.	130 - 165	35	Clay kankar	

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

Ground Water Survey Consultancy  
Agra

Seen  
ASan

- Logging performed as per  
SWSM guidelines.  
- Groundwater quality  
interpreted by firm as  
per their logger  
calibration 16/06/23



Rohit Kumar Sullere