

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHULHAPUR PAHARI, 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 21.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*  
*Agga*

Mud Resistivity = ~~20.73~~ Ohms.  
Drilling Water Resistivity = ~~21.62~~ Ohms.  
Approx Water Level = 8 Mtr.

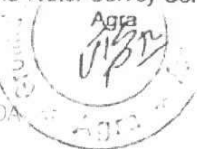
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 24 ✓	14	Fine to Medium sand	Good
4.	24 - 30	6	Clay kankar	
5.	30 - 56* ✓	26	Medium sand & kankar	Good
6.	56 - 61	5	Clay kankar	
7.	61 - 65* ✓	4	Medium sand	Good
8.	65 - 75	10	Clay kankar	
9.	75 - 100* ✓	25	Medium sand	Good
10.	100 - 108	8	Clay kankar	
11.	108 - 115* ✓	7	Medium sand	Good
12.	115 - 135	20	Clay Kankar	
13.	135 - 165* ✓	30	Medium sand & kankar	Good

*Gsh*  
*24/06/23*

*Seen*  
*Sul*

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

Ground Water Survey Consultancy



- Logging performed as per SWSM guid lines  
- Groundwater quality interpreted by fm as per their logger calibration.