

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BALLIPUR, BLOCK- MANKAPUR, 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 = ~~16.89~~ Ohms.

Drilling Water Resistivity = ~~17.93~~ Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Dry sand	
3.	12 - 31	19	Medium sand	Medium
4.	31 - 41	10	Clay kankar	
5.	41 - 71*	20	Medium sand	Medium
6.	71 - 77	6	Clay kankar	
7.	77 - 90*	13	Medium sand	Medium
8.	90 - 100	10	Clay kankar	
9.	100 - 105*	5	Fine to medium sand	Medium
10.	105 - 111	6	Clay kankar	
11.	111 - 125*	14	Medium sand	Medium
12.	125 - 131	6	Clay kankar	
13.	131 - 161*	30	Medium sand & kankar	Medium
14.	161 - 165	4	Clay kankar	

All zones are intermixed with thin bands of kankar.

Ground Water Survey Consultancy
Agra
JUL 2023
DIVISION OFFICE (LW)
U.P. JAL NIGAM RURAL GONDA

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