

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GANVARIYA TO BASTI, BLOCK- ITIYATHOK, DISTT- GONDA UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 158 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:-

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Mud Resistivity = 19.81 Ohms.

Drilling Water Resistivity = 20.60 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 - 15	5	Medium sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 24	4	Medium sand	Good
6.	24 - 30	6	Clay kankar	
7.	30 - 40	10	Medium sand	Good
8.	40 - 50	10	Clay kankar	
9.	50 - 64*	14	Medium sand & kankar	Good
10.	64 - 75	11	Clay kankar	
11.	75 - 85*	10	Fine to Medium sand	Good
12.	85 - 92	7	Clay Kankar	
13.	93 - 105*	12	Fine to Medium sand	Good
14.	105 - 110	5	Clay kankar	
15.	110 - 117*	7	Fine to Medium sand	Good
16.	117 - 140	23	Clay kankar	
17.	140 - 156*	16	Medium sand	Good
18.	156 - 158	2	Clay kankar	

Seen

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Ground Water Survey Consultancy



Logging performed as per SWSP guidelines - Groundwater quality interpreted by logs as per SWSP log-log calibration
G.S.R.
18/6/23