

# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)  
9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Devghatti, Block – Nautanwa, Distt. – Maharajganj

Drilling Depth (m) : 210.00 mbgl as reported by Driller

Logged Depth (m) : 198.00 mbgl

Date of Logging : 30.09.2023

Types of Log : S.P., Resistivity (Normal) & Natural Gamma

Logger Used : Robertson Geologging.,

Bore Hole Drilled by : Kalpataru Power Transmission Ltd.,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of Strata	R <sub>mf</sub> & R <sub>w</sub>
1	22 – 31	9	Good	R <sub>mf</sub> = 15.79 Ωm
2	34 – 38	4	Good, Fine Sand	R <sub>w</sub> = 18.76 Ωm
3	44 – 48	4	Good, Fine Sand	
4	52 – 58	6	Good, Fine Sand	
5	62 – 66	4	Good, Fine Sand	
6	114 – 120	6	Good	
7	135 – 141	6	Good	
8	156 – 160	4	Good	
9	164 – 170	6	Good	
10	174 – 178	4	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.



(A.K. Singh)  
Geophysicist