

GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Amhawa, Block - Nautanwa, Distt. - Maharajganj

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

Logged Depth (m) : 196.00 mbgl

Date of Logging : 04.08.2023

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_{mf} & R_w
1	34 - 48	14	Good	$R_{mf} = 11.76 \Omega m$
2	53 - 56	3	Good	$R_w = 13.42 \Omega m$
3	58 - 62	4	Good	
4	82 - 85	3	Good	
5	110 - 116	6	Good	
6	120 - 127	7	Good	
7	152 - 158	6	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.
2. No proper granular zones encountered below 158 mbgl to till depth logged.

Geophysicist
(A.K. Singh)
