



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: TDMA/WWP/JR/161

Date : 28.05.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Vijaydih, Block – Tulsipur
District - Balrampur

Drilling Depth : 275 mbgl as Reported by Driller

Logged Depth : 274.40 mbgl

Date of Logging : 28.05.23

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


Logger Used : Robertson Geologging

Bore Hole Drilled By : E/M Div. U P Jal Nigam(Gramin)

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

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strara	R_{mf} & R_w
1	32 – 44	12	Good	$R_{mf} = 9.35 \Omega m$ $R_w = 17.86 \Omega m$
2	64 – 67	3	Good	
3	71 – 76	5	Good	
4	80 – 86	6	Good	
5	92 – 102	10	Good	
6	132 – 140	8	Good	
7	142 – 146	4	Good	
8	164 – 171	7	Good	
9	180 – 184	4	Good	
10	192 – 202	10	Good	
11	214 – 220	6	Good	
12	232 – 238	6	Good	
13	240 – 254	14	Good	

Remark : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 254 mbgl to till depth logged.

Drink

(A.K. Singh)
Geophysicist