



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/09

Date : 17.07.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Saray Khas, Block – Rehra Bazar
Distt. – Balrampur

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : 168 mbgl

Date of Logging : 17.07.22

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

Logger Used : Uptron

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

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Probable Lithology	Remarks	R _{mf} & R _w
1	10 – 25	15	Sandy clay / very fine sand		R _{mf} = 26 Ωm
2	25 – 32	7	Fine to medium sand	Good	R _w = 27 Ωm
3	32 – 41	9	Clay		
4	41 - 54	13	Fine to medium sand mix kankar	Good	
5	54 – 58	4	Clay kankar		
6	58 – 64	6	Fine to medium sand	Good	
7	64 – 70	6	Clay kankar		
8	70 – 78	9	Fine to medium sand with kankar	Good	
9	78 – 86	8	Clay		
10	86 – 95	9	Fine to medium sand	Good	
11	95 – 110	15	Clay kannkar / fine sand		
12	110 – 116	6	Fine to medium sand	Good	
13	116 – 135	19	Clay kankar		
14	135 – 145	10	Fine to medium sand, mix kankar	Good	
15	145 – 153	8	Clay kankar		
16	153 – 160	7	Fine to medium sand	Good	
17	160 – 168	8	Clay kankar		

Remark :.

CC:

1 M/S L & T Balrampur

*Verified as per logs provided.
Note: Sr No 9 - major clay may consider in between 0.1-0.5 (km).*

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ASSISTANT HYDROGEOLOGIST
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PRAYAGRAJ

Drink

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Geophysicist