



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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Ref: GIC/JJM/ Balrampur/11

Date : 02.08.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Jamuni Kalan, Block – Gainsari
Distt. – Balrampur

Drilling Depth : 175 mbgl as Reported by Driller

Logged Depth : ~~170~~ mbgl

Date of Logging : 02.08.22

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 / clay.		R _{mf} = 21 Ωm
2	25 – 30	5	Very fine sand		R _w = 22.3 Ωm
3	30 – 37	7	Fine to medium sand	Good	
4	37 – 45	8	Clay / clay kankar		
5	45 – 50	5	Fine to medium sand	Good	
6	50 – 60	10	Clay / clay kankar		
7	60 – 65	5	Fine to medium sand	Good	
8	65 – 70	5	Clay / clay kankar <i>Sandy clay.</i>		
9	70 – 82	12	Fine to medium sand	Good	
10	82 – 90	8	Clay / clay kankar		
11	90 – 95	5	Fine to medium sand	Good	
12	95 – 102	7	Clay / clay kankar		
13	102 – 107	5	Fine to medium sand	Good	
14	107 – 120	13	Clay / clay kankar		
15	120 – 132	12	Fine to medium sand mix fine bands of kankar	Good	
16	132 – 147	15	Clay kankar		
17	147 – 157	10	Fine to medium sand mix fine bands of kankar	Good	
18	157 – 170	13	Clay / clay kankar		

Remark ..

C C:

1 M/S L & T Balrampur

Verified as per logs provided.

G.Sh
03/08/22
ASSISTANT HYDROGEOLOGIST
CIRCLE OFFICE (EM)
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

Drink

(*G.S. Singh*)
Geophysicist