



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/12

Date : 14.08.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Ahirauli Bujurg, Block – Rehra Bazar
Distt. – Balrampur

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : 165 mbgl

Date of Logging : 14.08.22

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

Logger Used : Upton

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 – 18	8	Sandy clay / clay		R _{mf} = 25 Ωm R _w = 29 Ωm
2	18 – 30	12	Fine sand	Good	
3	30 – 39	9	Clay kankar		
4	39 – 57	18	Fine to medium sand	Good	
5	57 – 61	4	Sandy clay		
6	61 – 64	3	Fine to medium sand	Good	
7	64 – 75	11	Clay kankar		
8	75 – 80	5	Fine to medium sand	Good	
9	80 – 86	6	Clay / clay kankar		
10	86 – 98	12	Fine to medium sand	Good	
11	98 – 120	22	Clay / clay kankar		
12	120 – 124	4	Fine to medium sand	Good	
13	124 – 130	6	Clay / clay kankar		
14	130 – 136	6	Fine to medium sand	Good	
15	136 – 140	4	Sandy clay		
16	140 – 145	5	Fine to medium sand	Good	
17	145 – 154	9	Sandy clay		
18	154 – 160	6	Fine to medium sand	Good	
19	160 – 165	5	Sandy clay		

Remark ..

C C:

I M/S L & T Balrampur

Verified as per logs provided.

G.S.K.
16/08/22
ASSISTANT HYDROGEOLOGIST
CIRCLE OFFICE (EM)
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

Amish

(A.K. Singh)
Geophysicist