



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/13

Date : 04.09.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Prem Nagar, Block - Tulsipur, District - Balrampur

Drilling Depth : 275 mbgl as Reported by Driller

Logged Depth : 272 mbgl

Date of Logging : 04.09.22

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 - 25	15	Sandy clay / clay / clay kankar		R _{mf} = 22 Ωm R _w = 24 Ωm
2	25 - 30	5	Fine to medium sand	Good	
3	30 - 57	27	Sandy clay / clayey sand / clay		
4	57 - 63	6	Fine to medium sand	Good	
5	63 - 82	19	Clay / clay kankar		
6	82 - 88	6	Fine to medium sand	Good	
7	88 - 95	7	Clay kankar		
8	95 - 110	15	Fine to medium sand	Good	
9	110 - 117	7	Clay / clay kankar		
10	117 - 120	3	Fine to medium sand	Good	
11	120 - 127	7	Clay / clay kankar		
12	127 - 131	4	Fine to medium sand	Good	
13	131 - 138	7	Clay / clay kankar		
14	138 - 143	5	Fine to medium sand	Good	
15	143 - 154	11	Clay / clay kankar		
16	154 - 160	6	Fine to medium sand	Good	
17	160 - 175	15	Clay / clay kankar		
18	175 - 180	5	Fine to medium sand	Good	
19	180 - 210	30	Clay / clay kankar		
20	210 - 220	10	Fine to medium sand	Good	
21	220 - 227	7	Clay / clay kankar		
22	227 - 230	3	Fine to medium sand	Good	
23	230 - 235	5	Clay / clay kankar		
24	235 - 242	7	Fine to medium sand	Good	
25	242 - 245	3	Sandy clay		
26	245 - 252	7	Fine to medium sand	Good	
27	252 - 258	6	Clay / clay kankar		
28	258 - 263	5	Fine to medium sand	Good	
29	263 - 272	9	Clay / clay kankar		

Remark ..

C C: M/S L & T Balrampur

Verified as per logs provided.

G. K. Singh
ASSISTANT HYDROGEOLOGIST
D. S. & G. OFFICE (EM)
JANKIPURAM (RURAL)
BALRAMPUR

Arind

(A. K. Singh)
Geophysicist