



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

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Ref: GIC/JJM/ Bahraich/03

Date : 07.05.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Basahiya Pate, Block – Jarwal Road

District - Bahraich

Drilling Depth : 330 mbgl as Reported by Driller

Logged Depth : ~~315 mbgl~~

Date of Logging : 07.05.23

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	30 – 45	15	Fine to medium sand	Good	$R_{mf} = 21.9 \Omega m$ $R_w = 23.8 \Omega m$
2	50 – 56	6	Fine to medium sand	Good	
3	70 – 82	12	Fine to medium sand	Good	
4	106 – 116	10	Fine to medium sand	Good	
5	139 – 160	21	Fine to medium sand	Good	
6	162 – 165	3	Fine to medium sand	Good	
7	170 – 188	18	Fine to medium sand	Good	
8	193 – 202	9	Fine to medium sand	Good	
9	208 – 212	4	Fine to medium sand	Good	
10	214 – 221	7	Fine to medium sand	Good	
11	255 – 268	13	Fine to medium sand		
12	295 – 303	8	Fine to medium sand		

Remark: . Almost all zones are intermixed with fine bands of kankar. Good clay encountered from 27 – 29, 46 – 49, 63 – 66, 119 – 121, 169 – 175, 203 – 205, 224 – 227, 270 – 273, 304 – 306 mbgl.

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CC: Executive Engineer (E/M Div.) U P Jal Nigam (Gramin) Gonda

Verified as per logs provided
Note. Sr No 7 - 175-182 (7m)
184-188 (4m)
G.S.H. (A.K. Singh)
Geophysicist
08/05/23

