



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Bahraich/06

Date : 04.06.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village -Gaur, Block - Jarwal
District - Bahraich

Drilling Depth : 330 mbgl as Reported by Driller

Logged Depth : 300 mbgl

Date of Logging : 04.06.23

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 - 35	5	Fine to medium sand	Good	R _{mf} = 18.1 Ωm R _w = 19.9 Ωm
2	45 - 48	3	Fine to medium sand	Good	
3	55 - 63	8	Fine to medium sand	Good	
4	70 - 78	8	Fine to medium sand - Kankar I.	Good	
5	85 - 92	7	Fine to medium sand	Good	
6	103 - 115	12	Fine to medium sand - Highly K.I.	Good	
7	120 - 128	8	Fine to medium sand	Good	
8	142 - 148	6	Fine to medium sand	Good	
9	153 - 157	4	Fine to medium sand	Good	
10	160 - 166	6	Fine to medium sand	Good	
11	176 - 180	4	Fine to medium sand	Good	
12	187 - 196	9	Fine to medium sand	Good	
13	205 - 211	6	Fine to medium sand	Good	
14	232 - 240	8	Fine to medium sand, kankar mixed	Good	
15	245 - 260	15	Fine to medium sand	Good	
16	275 - 283	8	Fine to medium sand	Good	
17	290 - 297	7	Fine to medium sand	Good	

Remark: . Almost all zones are intermixed with fine bands of kankar. Good clay encountered from 50-52,65-67,95-97,168-170,216-218,261-263 mbgl.

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

Verified as per logs provided.

Note: Good clay kankar intercalation lies in b/w 95-102/135-142/160-175 mbgl



(G. K. Singh)
Geophysicist

9.8h
05/06/23