



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: TDMA/WWP/JR/376

Date: 11-08-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Taraini, Block – Nautanwa, Distt. – Maharajganj

Drilling Depth (m) : 250.00 mbgl as reported by Driller

Logged Depth (m) : 197.50 mbgl

Date of Logging : 11.08.2023

Types of Log : S.P., Resistivity (Normal) & Natural Gamma



Logger Used : Robertson Geologging.,

Bore Hole Drilled by : Rithwik-Koya-JV.,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Quality & Types of Strata	R_{mf} & R_w
1	42 – 46	4	Good	$R_{mf} = 22.19 \Omega m$ $R_w = 24.73 \Omega m$
2	70 – 77	7	Good	
3	90 – 95	5	Good	
4	110 – 114	4	Good	
5	134 – 145	11	Good	
6	160 – 174	14	Good	
7	178 – 184	6	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.



(**Signature**)
Geophysicist

JJM = III

Gp:- Taraini

Block:- Nautanwa

Distt:- Maharaiganj

Drilling Depth:- 250, 600 x 500

Logged Depth:- 197.

Logging Date:- 11-08-023

LPM:- 1100, Slotted-33 mtr

Assembly:- 300 x 150 mm φ

Date:- 12-08-023

Logging Report

- ① 42-46 = 04
- ② 70-77 = 07 = 06
- ③ 90-95 = 05 = 04
- ④ 110-114 = 04 = 03
- ⑤ 134-145 = 11 = 09
- ⑥ 160-174 = 14 = 12
- ⑦ 178-184 = 06

Depth (m)	Reading	Sum
33	6.05	
32	6.07	
31	6.06	
30	6.05	= 36.31
29	6.03	
28	6.05	35.81
	0.20	36.01
27	6.05	
26	6.04	
25	6.05	
24	6.02	
23	6.00	
22	4.33	70.5
21	6.07	6.09 76.59
20	6.01	
19	5.00	
18	2.9	90.50
17	6.07	4.00 94.5
16	6.07	
15	6.04	
14	3.89	110.5
13	6.07	3.00 113.5
12	6.04	
11	6.05	
10	6.04	
9	3.37	135.00
8	6.07	6.00 141.00
7	6.07	3.00 144.00
6	6.00	
5	6.05	
4	4.95	161.00
3	6.07	6.02 167.02
2	6.07	6.05 173.07
1	6.05	179.12
	0.5	179.62

Total Logging = 179.62 mtr

→ 150 mm φ ← + 0.5
179.62