



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

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Date: 17-02-2024

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Sansari & Mahadeva Nankar, Block - Barhni,
Distt. - Siddharth Nagar

Drilling Depth (m) : 205.00 mbgl as reported by Driller

Logged Depth (m) : 198.60 mbgl

Date of Logging : 17.02.2024

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

Logger Used : Robertson Geologging.,

Bore Hole Drilled by: VSAIPPL-SCL-JV VEEPL.,

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	44 - 48	4	Good	$R_{mf} = 23.25 \Omega m$ $R_w = 25.43 \Omega m$
2	52 - 60	8	Good	
3	68 - 76	8	Good	
4	118 - 128	10	Good	
5	146 - 154	8	Good	
6	160 - 170	10	Good	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.
2. No proper granular zones encountered below



(A.K. Singh)
Geophysicist



2. Pipe Size (300 x 150)
(192 x 90)

Logging Robot

- 1. 128 = 4 LPM = 700
- 2. 160 = 8
- 3. 160 = 8 - 6
- 4. 128 = 10 - 9
- 5. 154 = 8 - 6
- 6. 160 = 170 = 10 - 9

Plain pipe cutting 150 mm

- 1. 6.01 = 3.19 + 2.81
- 2. 6.01 = 4.46 + 1.54
- 3. 6.00 = 3.00 + 3.00
- 4. 6.01 = 4.49 + 2.51

3/4" pipe cutting

- 1. 6.00 = 3.00 + 3.00

161.00	4.00	9
	4.00	4
6.00	11.11	1
170	5.01	1
	6.01	1
176.01		
176.01 + 0.50		
176.51		

27	6.02	
27	6.02	
3	6.01	42.11
20	6.02	
29	6.01	
28	6.02	
27	6.01	42.11
		2200
		41.8
20	6.00	
29	6.00	
29	3.19	27.19
22	6.00	
22	6.00	
21	6.00	69.00
		1111.00
		25.00
2	6.00	
19	6.00	
18	6.01	
17	6.02	23.50
16	4.46	
15	6.00	
14	6.00	
13	3.00	
12	11.11	118.50
11	6.00	
10	11.11	3.00
10	6.01	127.50
9	6.00	
8	4.50	19.50
7	3.00	
6	11.11	
		1111.00
		147.00
		153.00