



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: TDMA/WWP/JR/278

Date: 08-07-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Mishrauliya Khalsa, Block – Khuniyon,
Distt. – Siddharth Nagar

Drilling Depth (m) : 175.00 mbgl as reported by Driller

Logged Depth (m) : 174.40 mbgl

Date of Logging : 08.07.2023

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 Strara	R _{mf} & R _w
1	44 – 54	10	Good	R _{mf} = 16.67 Ωm R _w = 18.31 Ωm
2	72 – 78	6	Good	
3	84 – 96	12	Good	
4	106 – 110	4	Good	
5	129 – 134	5	Good	
6	140 – 147	7	Good	
7	162 – 166	4	Good	

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



(A.K. Singh)
Geophysicist



Israuliya Khawas w/s Scheme Sidharthnagar

lock - Khuniyalon

Ø = 750 LPM

T/W size = 150 x 300mm, 150/165M
= 24m (slotted)

m/s VSA-SCL (JV)

As per logging report

44 - 54 = 10

72 - 78 = 6 = 6 ✓

84 - 96 = 12 = 9 ✓

106 - 110 = 4

129 - 134 = 5 = 3 ✓

140 - 147 = 7 = 6 ✓

162 - 166 = 4

cutting pipe

150mm plain pipe

6.01 ⇒ 3.00 ✓ + 3.01 ✓

6.01 ⇒ 3.20 ✓ + 1.50 ✓ + 1.31^x

6.00 ⇒ 4.00 ✓ + 2.00^x

Slotted pipe 150mm Ø

6.00 ⇒ 3.00 ✓ + 3.00 ✓

6.00 ⇒ 150mm plain pipe (Extra)

29	6.00		+ 0.50
28	6.00		
27	6.03		
26	6.02	= 42.08	
25	6.01		
24	6.02		
23	6.00	41.58	
			0.20
22	5.99	41.78	
21	6.01		
20	6.01		
19	3.00	= 30.22	
18	6.01		
17	3.20	72.00	
16	6.00	" "	78.00
15	6.01		
14	1.50	85.51	
13	6.01	" "	= 9.01
12	3.00	" "	94.52
11	6.01		
10	6.02		
9	6.01	= 36.07	
8	6.01		
7	6.01		
6	6.01	130.59	
5	3.00	" "	133.59
4	3.01		
3	4.00	= 7.01	
2	6.00	" "	140.60
		" "	146.60
1	6.00		
		152.60 + 0.50	
		= 153.10m	