



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Date: 30-12-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Nagawa Basantpur, Block - Uska Bazar,
Distt. - Siddharth Nagar

Drilling Depth (m) : 182.00 mbgl as reported by Driller

Logged Depth (m) : 180.10 mbgl

Date of Logging : 30-12-2023

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 Strata	R_{mf} & R_w
1	17 - 22	5	Good	$R_{mf} = 33.18 \Omega m$ $R_w = 35.45 \Omega m$
2	60 - 64	4	Good	
3	68 - 73	5	Good	
4	91 - 104	13	Good	
5	120 - 127	7	Good	
6	148 - 158	10	Good	
7	172 - 178	6	Good	

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

(A.K. Singh)
Geophysicist

Block - USKABAZOR
 Site - Sindhurth Nagar
 Tubewell size: (300x150)
 Logging depth: (180 m only)
 Drilling depth: (182 m only)

LPIH = 1000

Clotted = 30m

As per Logging Report
 (30/12/2023)

① 12-22 = 5

② 60-64 = 4

③ 68-73 = 5 = 3 ✓

④ 91-104 = 13 = 12 ✓

⑤ 120-122 = 2 = 6 ✓

⑥ 148-158 = 10 = 9 ✓

⑦ 172-178 = 6

Plain pipe cutting ϕ 150 mm

① $6.03 = 5.03 + 1.00$

② $6.02 = 3.50 + 2.50 + 0.02$

③ $6.03 = 5.03 + 1.00$

④ $6.02 = 4.00 + 2.02$

Slotted pipe cutting ϕ 150 mm

① $6.01 = 3.01 + 3.00$

29	6.00	
28	6.01	42.07
27	6.00	
26	6.02	
25	6.01	41.57
		0.20
		41.77
23	6.02	
22	6.03	
21	6.03	22.60
20	6.02	
19	3.50	69.37
18	" " "	3.00
		72.37
17	6.02	
16	6.03	
15	5.03	19.08
14	2.00	
		91.45
13	" " "	6.01
12	" " "	6.02
		103.48
11	6.02	
10	6.03	17.05
9	5.00	
		120.53
8	" " "	6.02
		126.55
7	6.02	
6	6.03	
		22.07
5	6.02	
4	4.00	
		148.62
3	" " "	3.01
2	" " "	6.02
		157.65
1	6.03	