GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: TDMA/WWP/IR/687

Date: 13-12-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Madrana urf Dattapur, Block – Shohratgarh, Distt. – Siddharth Nagar

Drilling Depth (m) : 215.00 mbgl as reported by Driller

Logged Depth (m) : 190.00 mbgl

Date of Logging : 13.12.2023

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	44 – 48	4	Good, Fine sand	R_{mf} = 17.53 Ωm R_w = 19.57 Ωm
2	64 – 80	16	Good	
3	116 – 128	12	Good	
4	148 – 152	4	Good, Fine sand	
5	164 – 168	4	Good, Fine sand	
6	172 – 175	3	Good, Fine sand	

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

(A.K. Singh)
Geophysicist

Madrana w/s Dattapur
U.S.S in
Block - Shohratgarh
Dist - Siddharth Nagar

Tubewell size - (300x150)mm
Depth/drilling = (190/215) mbgl

Lpm = 700
slotted = 27.00m

As per Logging Report
(13/12/2029)

① 44 - 48 = 4
② 64 - 80 = 16 = 12 ✓
③ 116 - 128 = 12 = 12 ✓
④ 148 - 152 = 4 = 3 ✓
⑤ 164 - 168 = 4
⑥ 172 - 175 = 3

plain pipe cutting ϕ150mm

① 6.02 = 3.00 + 2.50 + 0.52
② 6.04 = 4.89 + 1.15

slotted pipe cutting ϕ150mm

① 6.00 = 3.00 + 3.00

(28)	6.02		
(27)	6.02		
(26)	6.00		
(25)	6.02	12.07	
(24)	6.00		
(23)	6.00		
(22)	6.01		41.57
	0.20		41.77
(21)	6.03		
(20)	6.03	24.12	
(19)	6.03		
(18)	6.03		65.89
(17)	6.03	12.06	
(16)	6.03		77.95
(15)	6.03		
(14)	6.03		
(13)	6.03		
(12)	6.03	30.05	
(11)	6.04		
(10)	3.00		
(9)	4.89		116.00
(8)	6.00	12.00	
(7)	6.00	128.00	
(6)	6.03		
(5)	6.03	20.59	
(4)	2.50		
(3)	6.03		
(2)	3.00		148.59
(1)	6.04		151.59
	2		151.630
			+ 0.500
			150.130m