



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: TDMA/WWP/JR/213

Date: 13-06-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Bareniya, Block – Jogiya, Distt. – Maharajganj

Drilling Depth (m) : 170.00 mbgl as reported by Driller

Logged Depth (m) : ~~168.00 mbgl~~

Date of Logging : 13.06.2023

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

Logger Used : ~~Robertson Geologging.,~~

Bore Hole Drilled by: VSAIPPL-SCL-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	28 – 34	6	Good	$R_{mf} = 11.53 \Omega m$ $R_w = 13.29 \Omega m$
2	47 – 50	3	Good	
3	62 – 73	11	Good	
4	90 – 102	12	Good	
5	118 – 126	8	Good	
6	134 – 138	4	Good	
7	144 – 147	3	Good	

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

~~2. No proper granular zones found below 147 mbgl to till depth logged.~~

Verified as per logs provided

*G.S.H.
14/06/23*



(G. S. Singh)
Geophysicist



Baraniya & Jhakuliya w/s Scheme Siddharthnagar 0.50

Block - Jogiya khas

Q = 550 LPM

T/W size = 150 x 200mm, 165/150m

= 18m (slotted)

M/S VSA - SCL (JV)

As per logging Report (13.06.2023)

28 - 34 = 06

47 - 50 = 03

62 - 73 = 11 = 06 ✓

90 - 102 = 12 = 06 ✓

118 - 126 = 08 = 06 ✓

134 - 138 = 04

144 - 147 = 03

pipe cutting

150mm φ plain pipe

6.01 ⇒ 3.00 + 2.50 + 0.51

0.77	6.02	
23	6.02	
22	6.03	
21	6.04	= 42.17
20	6.03	
19	6.00	
18	6.03	41.67
17		
		0.20
		41.87
16	6.00	
15	6.00	= 24.00
14	6.00	
13	6.00	65.87
12	" "	6.00
	" "	71.87
11	6.01	
10	6.01	= 21.03
9	3.00	
8	6.01	92.90
7	" "	6.00
	" "	98.90
6	6.00	
5	2.50	= 20.50
4	6.00	
3	6.00	119.40
2	" "	6.00
	" "	125.40
1	6.00	
		131.40 + 0.50
		= 131.90 m