



(Ground Water Assessment & Allied Services)

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Date: 10-06-2023

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

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

Logged Depth (m) : 165.00 mbgl

Date of Logging : 10.06.2023

Types of Log : ~~SP.~~ 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	26 – 34	8	Good	$R_{mf} = 13.26 \Omega m$ $R_w = 12.51 \Omega m$
2	52 – 55	3	Good	
3	74 – 88	14	Good	
4	90 – 110	20	Good	
5	132 – 137	5	Good	
6	146 – 158	12	Good	

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

Verified as per logs provided.

*G. S. Singh
12/06/23*



Patiyapur w/s Scheme Siddharthnagar

Block - Khuniyaon
 $Q = 600 \text{ LPM}$

T/W size = $150 \times 300 \text{ mm}$, 165/150M
 M/S VSA-SCL (JV)
 = 18m (slotted)

As per logging report (10.06.2023)

- 26 - 34 = 08
- 52 - 55 = 03
- 74 - 88 = 14 = 09 ✓
- 90 - 110 = 20 = 09 ✓
- 132 - 137 = 05 = 03 ✓
- 146 - 158 = 12

pipe cutting

50mm plain pipe

$6.00 \Rightarrow 4.00^{\checkmark} + 2.00^{\times}$
 $6.00 \Rightarrow 3.00^{\checkmark} + 3.00^{\times}$

150mm slotted pipe

$6.00 \Rightarrow 3.00^{\checkmark} + 3.00^{\checkmark}$

150mm slotted pipe = 3.00^{\checkmark} (Extra pipe)

