



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Jamohna, Block – Itwa, Distt. – Siddharth Nagar

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

Logged Depth (m) : 165.40 mbgl

Date of Logging : 12.01.2024

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	26 – 36	10	Good	$R_{mf} = 21.26 \Omega m$ $R_w = 23.52 \Omega m$
2	45 – 50	5	Good	
3	56 – 60	4	Good	
4	70 – 78	8	Good	
5	84 – 90	6	Good	
6	92 – 100	8	Good	
7	115 – 124	9	Good	
8	128 – 131	3	Good, Fine sand	
9	138 – 142	4	Good, Very fine sand	

Remark : 1. Almost all zones are intermixed with fine bands of kankar.
2. No proper granular zones encountered below 142 mbgl to till depth logged.



(A.K. Singh)
Geophysicist



Block - Jamohra
 District - Sidhaur Nigra
 Tubewell size - (300x150) mm
 Logging depth = 165.40 m
 Drilling depth = 170.00 m

LPY = 750
 Slotted = 24

As per logging report

- ① 26-26 = 10
- ② 45-50 = 5
- ③ 56-60 = 4
- ④ 70-78 = 8 = 6L
- ⑤ 94-90 = 6 = 6L
- ⑥ 92-100 = 8 = 6L
- ⑦ 115-120 = 9 = 6L
- ⑧ 128-131 = 3
- ⑨ 138-142 = 4

⑤	6.00	
⑥	6.00	
⑦	6.00	
⑧	6.00	42.00
⑨	6.00	
⑩	6.00	
⑪	6.00	41.50
		0.20
		41.70
⑫	6.01	
⑬	6.02	
⑭	6.01	24.09
⑮	6.00	
⑯	5.00	
		70.74
⑰	6.00	
⑱	4.00	
		76.74
⑲	3.26	
		80.00
⑳	6.00	
		86.00
㉑	3.00	
		89.00
㉒	6.00	
		95.00
㉓	6.01	
㉔	6.02	
㉕	6.00	
		117.03
㉖	6.00	
		123.03
㉗	6.02	
		129.05
		+0.50
		<u>129.55 m</u>

Plan Pipe cutting @ 150mm

- ① 6.00 = 5.00 + 1.00
- ② 6.01 = 4.00 + 2.01
- ③ 6.02 = 3.26 + 2.76
- ④ 6.01 = 3.00 + 3.01