

GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Date: 08-01-2024

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

Drilling Depth (m) : 180.00 mbgl as reported by Driller

Logged Depth, (m) : 175.30 mbgl

Date of Logging : 08.01.2024

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	31 - 35	4	Good	R _{mf} = 11.22 Ωm R _w = 14.70 Ωm
2	50 - 54	4	Good	
3	58 - 63	5	Good	
4	68 - 71	3	Good	
5	88 - 108	20	Good	
6	118 - 122	4	Good	
7	131 - 142	11	Good	

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

GP = Bhitina
Block = Usta Bazar
Distt - Siddipet Nagar

Tybe well size (200x150)

LPM = 300

As per logging Report 08/10/24

- ① 31 - 35 = 4
- ② 50 - 54 = 4
- ③ 58 - 63 = 5
- ④ 68 - 71 = 3
- ⑤ 88 - 108 = 20 ⑥
- ⑥ 118 - 122 = 4
- ⑦ 131 - 142 = 11 ⑥

Depth	Time	Remarks
0.50	6.03	
	6.02	
	6.03	
	6.02	
	6.02	42.15
	6.01	
	6.02	
		41.65
0.20"		41.85
	6.01	
	6.01	
	6.01	
	6.02	
	6.00	
	6.01	54.11
	6.01	
	6.02	
	6.02	95.96
	6.01	
	6.01	
	6.01	101.97
	6.00	
	6.02	30.06
	6.02	
	6.01	132.03
	6.00	
	6.01	138.03
	6.01	
		144.04
AWL +		00.50
		<u>144.54</u>