



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: TDMA/WWP/JR/700

Date: 18-12-2023

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Gangwal, Block – Jogia Khas, Distt. – Siddharth Nagar

Drilling Depth (m) : 166.00 mbgl as reported by Driller

Logged Depth (m) : 164.20 mbgl

Date of Logging : 18.12.2023

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

Logger Used : Robertson Geologging.,

Bore Hole Drilled by: VSAIPPLSCL-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 <sub>mf</sub> & R <sub>w</sub>
1	16 – 20	4	Good	R <sub>mf</sub> = 14.55 Ωm
2	28 – 31	3	Good, Highly kankar mixed	R <sub>w</sub> = 17.21 Ωm
3	45 – 49	4	Good	
4	53 – 59	6	Good	
5	64 – 70	6	Good	
6	84 – 98	14	Good	
7	115 – 118	3	Good, Highly kankar mixed	
8	132 – 141	9	Good	
9	148 – 154	6	Good	

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



(A.K. Singh)  
Geophysicist



Cr.P. :- Bhutahiya & Gangwal  
 Block :- Jogiya khas  
 Tehsil :- Naugarh  
 Dist :- Siddhartha Nagar

Tube well size :- (300 x 150) mm  
 Drilling / Logging Depth :- (164 / 166) m

LPM :- 850  
 Slotted :- 30m

As per logging Report :- Date :- 18/12/23

- 1.) 16 - 20 = 4
- 2.) 28 - 31 = 3
- 3.) 45 - 49 = 4
- 4.) 53 - 59 = 6
- 5.) 64 - 70 = 6
- 6.) 84 - 98 = 14
- 7.) 115 - 118 = 3
- 8.) 132 - 141 = 9
- 9.) 148 - 154 = 6

⇒ Plain Pipe Cutting :-

- 1.)  $6.02 = 4.18 + 1.84$
- 2.)  $6.02 = 3.00 + 3.02$
- 3.)  $6.00 = 5.00 + 1.00$

⇒ Slotted Pipe Cutting :-

- i.)  $6.00 = 3.00 + 3.00$

