



# Earth Care Products & Services

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Services Offered: Groundwater and Geophysical Consultancy

Ref No. Elog/Gahlnl /0701/24-25

Date 01.07.2024

## ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig  
SITE : Gahlnl  
LOCATION : Block : Sadar, Dist : Ghazipur , State : Uttar Pradesh  
LATITUDE : 25.69131° North  
LONGITUDE : 83.22801° East  
Logger Make and Model : JDC-1  
Borehole Drilled by ( Agency) : VSAIPPL  
Work Under ( Department) : Uttar Pradesh Jal Nigam , Gramin

## FINDINGS & RESULTS.

DEPTH DRILLED : 320.00 mtrs ( As Reported by Drilling Agency)

DEPTH ELECTROLOGGED : 315.00 mtrs

RW : 11.02  $\Omega$  M RM : 8.41  $\Omega$  M

AQUIFER ZONE ( As per Electrologging Findings) ( Based on the Electrog findings , granular Sand Zones and aquifer zones are interpreted )

SI No	Depth ( M BGL)	Thickness	Lithology /Stratum Interpreted	Remarks/Quality of Aquifer
1	25-31 m	6 m	Fine Sand	Good
2	51-59 m	8 m	Fine sand	Good

( Parameters measured: SP , SN ( 16" ) ,LN ( 64" ) with Continuous mode Electrologging)

### REMARKSAND SUGGESTION:

1. Chiefly the stratum is composed of primarily Clay , Kankad and Fine Sand Zones
2. Very Small water bearing zones (Sand ) are there and that also in Shallow depth
3. Water quality in sand zones Is Good at 25 m-31 m, 51-59 m
4. Predominant Clay zones presence is there at 31-51 m, 59-315 m
5. All the Clay zones are mixed and intercalated with Kankad Zones
6. Low Discharge and Shallow Tubewell can be constructed here

  
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