



Earth Care Products & Services



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Services Offered: Groundwater and Geophysical Consultancy

Ref No. Elog/Usia Zone A3/1214/24-25

Date 14.12.2024

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig
SITE : Usia Zone A3 village
LOCATION : Block : Bhadaua, Dist : Ghazipur, State : Uttar Pradesh
LATITUDE : 25.42615° N LONGITUDE : 83.70285° E
Logger Make and Model : JDC -1
Borehole Drilled by (Agency) : HFCL
Work Under (Department) : Uttar Pradesh Jal Nigam, Gramin

FINDINGS & RESULTS.

DEPTH DRILLED : 200.00 mtrs (As Reported by Drilling Agency)
DEPTH ELECTROLOGGED : 193.00 mtrs

RW : 11.80 Ω M RM : 9.80 Ω 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	40 m- 55 m	15 m	Medium to Coarse Sand	Good
2	60 m- 75 m	15 m	Medium to Coarse Sand	Good
3	90 m- 95 m	5 m	Fine Sand	Good
4	115 m-120 m	5 m	Fine Sand	Good
5	133 m-142 m	9 m	Medium Sand	Good
6	148 m- 157 m	11 m	Medium Sand	Good
77	175m- 185m	10 m	Medium Sand	Good

(Parameters measured : SP , SN (16") , LN (64") , Lat(32") with Continuous mode Electrologging)

REMARKSAND SUGGESTION:

- Chiefly the stratum is composed of primarily Clay, Sand and kankad Zones
- Predominant Large Sand zones are present
- Large sections of good water sand zones are there at 60 m-75 m, 133 m-142m, 148m-157m, 175m-185 m
- Predominant Clay zones are there at 0-40 m, 185 m-193 m


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M.Phil (Hydrogeology)
Hydrogeologist & Ground Water Consultant

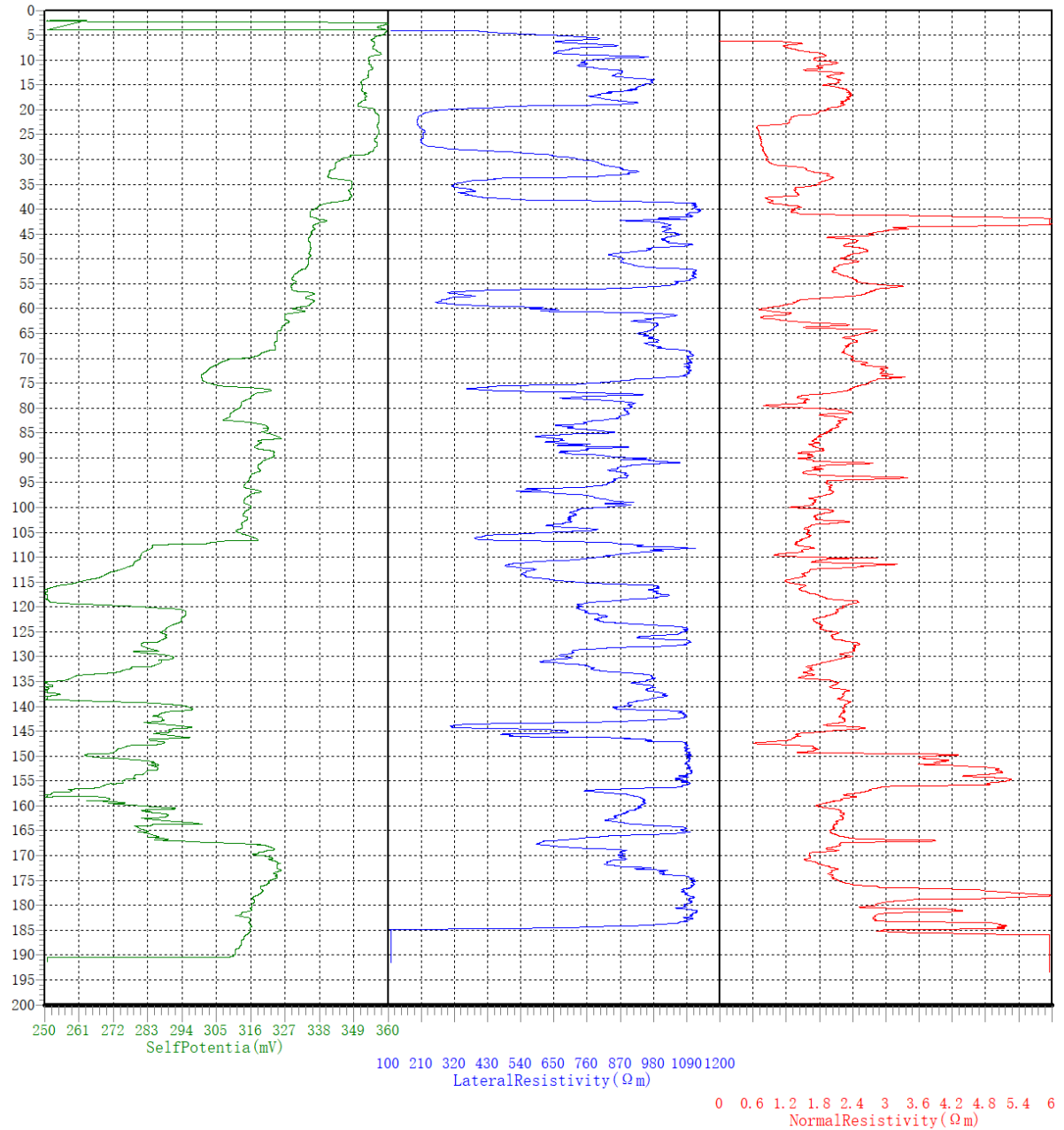
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USIA ZONE A3
BLOCK: BHADAURA A3, DIST : GHAZIPUR

Testing date: 12/14/2024 Testing time: 2:24:31 PM

Depth(m)

Apparent-Resistivity



(Signature)
14/12/2024
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