



Earth Care Products & Services



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Services Offered: Groundwater and Geophysical Consultancy

Ref No. Elog/Magarkhai /0103/23-24

Date 03.01.2024

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig
SITE : Magarkhai
LOCATION : Block :Bhadaura , Dist : Ghazipur , State : Uttar Pradesh
LATITUDE : 25.48647° North
LONGITUDE : 83.86429° East
Logger Make and Model ; IGIS, DMPL2
Borehole Drilled by (Agency) : VSAIPPL
Work Under (Department) : Uttar Pradesh Jal Nigam , Gramin

FINDINGS & RESULTS.

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

DEPTH ELECTROLOGGED : 200.00 mtrs

Rw : 20.04 Ω M RM : 19.07 Ω M


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

SI No	Depth (M BGL)	Thickness	Lithology /Stratum interpreted	Remarks/ Quality of Aquifer
1	20-30 m	10 m		Moderate
2	45-55 m	10 m		Moderate
3	70-100 m	30 m		Good to Moderate
4	110 -135 m	25 m		Good
5	138 -148 m	10 m		Good
6	170 -185 m	15 m		Good to Moderate
7	190 – 200 m	100 m		Good to Moderate

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

REMARKSAND SUGGESTION:

1. Chiefly the stratum is composed of primarily Clay and Sand Zones
2. Large sections of water bearing sand zones is there
3. Water quality in zones is good at zones 110 m-135 m, 138 m-148 good to moderate at 170-185 m, and 190-200 m
4. Predominant Clay zones presence is there at 0 m-20 m and 150 m-170 m
5. Al the Clay Zones are mixed and intercalated with Kankad.


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Rho a
N 16(SN)
N 64(LN)
LAT

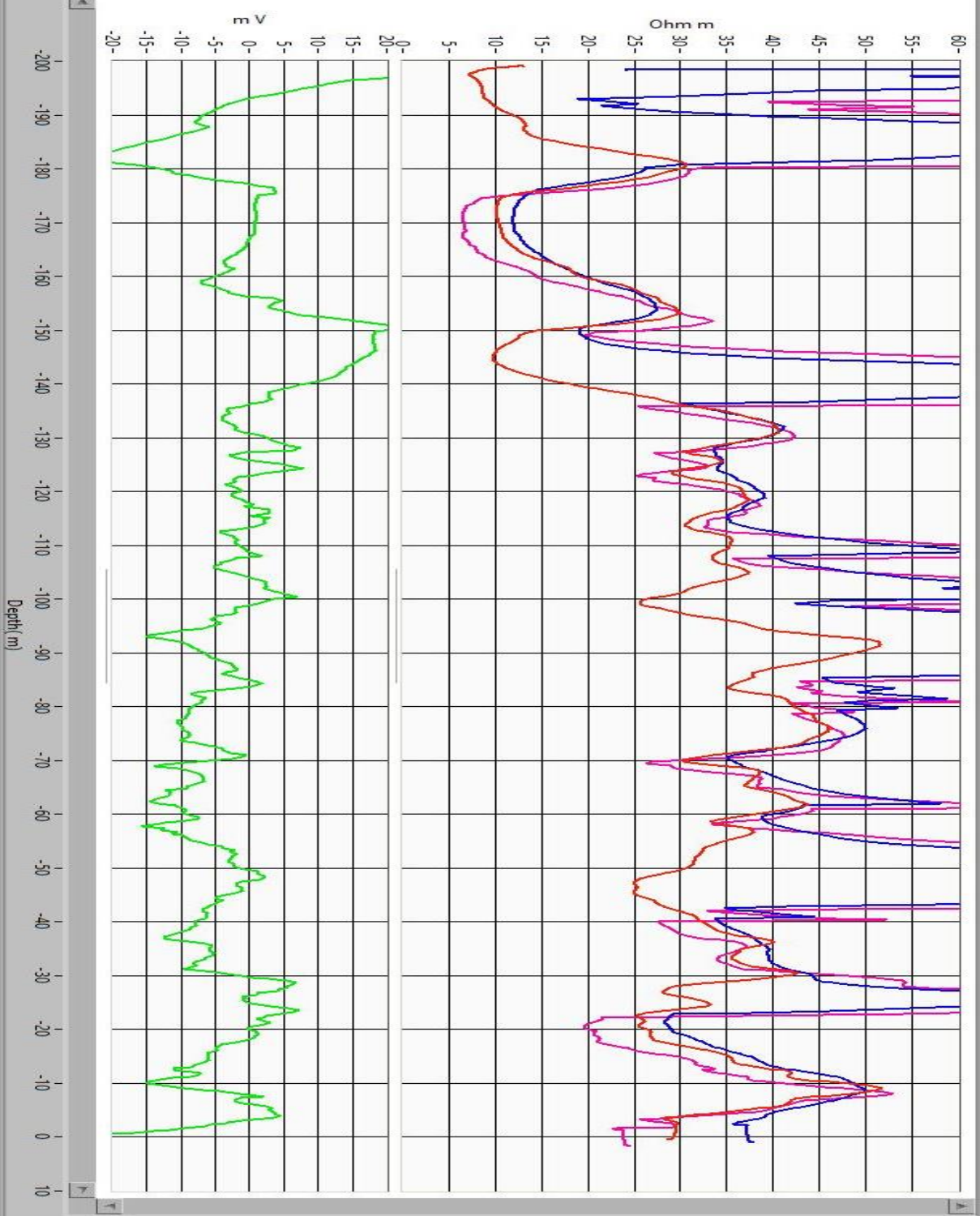
Location: magarohi
Log No.: UP/LOGS/MS
Date: 02 Jan 2024
Time: 13:11
Observer: anjaney
Well Depth: 200
Notes:

Logger's No.: IGIS/S/01/22-23

Logger Model: SP

DMP-L-2

Logger Owned by: EARTH CARE PRODUCTS & SERVICES KOLKATA India



Rho a
 N16(SN)
 N64(LN)
 LAT

Location: mangalhal
 Log No.: DOMNLOSSING
 Date: 02 Jan 2024
 Time: 12:57
 Observer: anil kumar/
 Well Depth: 200
 Notes:

Logger's No.: IGIS/S/01/22-23

Logger Model: SP
 DMP-L-2

Logger Owned by: EARTH CARE PRODUCTS & SERVICES KOLKATA India

