



Earth Care Products & Services



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Services Offered: Groundwater and Geophysical Consultancy

Ref No. Elog/Mardanpur /0501/23-24

Date 01.05.2024

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig
SITE : Mardanpur
LOCATION : Block :Jakhaniya, Dist : Ghazipur , State : Uttar Pradesh
LATITUDE : 25.72591° North
LONGITUDE : 83.43186° East
Logger Make and Model ; IGIS, DMPL2
Borehole Drilled by (Agency) : HFCL
Work Under (Department) : Uttar Pradesh Jal Nigam , Gramin

FINDINGS & RESULTS.

DEPTH DRILLED : 120.00 mtrs (As Reported by Drilling Agency)

DEPTH ELECTROLOGGED : 118.00 mtrs

Rw : 11.66 Ω M RM : 12.30 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	10-15 m	5 m	Fine Sand	Good
2	27-34 m	7 m	Fine Sand	Good
3	46-52 m	6 m	Fine Sand	Good
4	56-59 m	3 m	Fine sand	Good
5	100-110 m	10 m	Fine Sand with Kankad	Good

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

REMARKSAND SUGGESTION:

1. Chiefly the stratum is composed of primarily Clay ,Kankad and Fine Sand Zones
2. Small sections of water bearing zones (Sand) are there
3. Water quality in sand zones is Good at 27 m-34 m, 46m-52m, 56-59 m,100-110 m
4. Predominant Clay zones presence is there at 0-10m, 15 m-25 m, 60 m-95 m
5. All the Clay zones are mixed and intercalated with Kankad Zones


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

Location: madanpur
Log No.:
UP LOGSNGS
Date: 01 May 2024
Time: 19:44
Observer: bixam
Well Depth: 120
Notes:

Logger S/No: IGIS/S/01/22-23

Logger Model: DMP-2
SP

Logger Owned by: Earth Care Products & Services
India

