



Earth Care Products & Services



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Services Offered: Groundwater and Geophysical Consultancy

Ref No. Elog/Siura/1225/23-24

Date 25.12.2023

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig

SITE : Siura

LOCATION : Block : Kashimabad, Dist : Ghazipur , State : Uttar Pradesh

LATITUDE : 25.87936° North

LONGITUDE : 83.63269° East

Logger Make and Model ; IGIS, DMPL2

Borehole Drilled by (Agency) : HFCL.

Work Under (Department) : Uttar Pradesh Jal Nigam , Gramin

FINDINGS & RESULTS.

DEPTH DRILLED : 100.00 mtrs (As Reported by Drilling Agency)

DEPTH ELECTROLOGGED : 100.00 mtrs

RW : 11.36 Ω M RM : 17.09 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	45-50m	5 m	Kankad	Good
2	83-100 m	17 m	Medium Sand	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 Sand Zones
2. Moderate sections of water bearing zones (Sand) are there
3. Water quality in sand zones is good in zones 83 m-100 m
4. Predominant Clay zones presence is there at 0 m-45 m, 50-80 m
5. All the Clay Zones are intercalated with Kankar


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

Location: SURAJONM B
Log No.: UP LOGGING
Date: 25 Dec 2023
Time: 19:58
Observer: ocean
Well Depth: 100
Notes:

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

Logger Model: SP

DMP-2

Logger Owned by: EARTH CARE PRODUCTS & SERVICES KOLKATA India

