



Earth Care Products & Services



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Services Offered: Groundwater and Geophysical Consultancy

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

Date 25.12.2023

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig

SITE : Nikroipur

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

LATITUDE : 25.55840° North

LONGITUDE : 83.84511° East

Logger Make and Model ; IGIS, DMPL2

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 : 200.00 mtrs

Rw : 11.41 Ω M RM : 12.07 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	30-35m	5 m	Medium Sand	Good
2	45-60 m	15 m	Medium Sand	Good
3	65-70 m	5 m	Medium Sand	Good
4	105 -120 m	15 m	Fine Sand & Kankad	Good
5	145-155 m	10 m	Fine Sand & Kankad	Good
6	165-180 m	15 m	Fine Sand & 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 Sand Zones
2. Large sections of water bearing zones (Sand) are there
3. Water quality in sand zones is good in zones 30 m-35 m, 45 m- 60 m, 65 m-70 m, 105 m-120 m, 145 m-155 m, 165 m- 180 m.
4. Predominant Clay zones presence is there at 0 m-30 m, 180-200 m
5. All the Clay Zones are intercalated with Kankar


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

LOCATION: micoqur
Log No.: DOWN LOGGING
Date: 25 Dec 2023
Time: 23.54
Observer: bkran
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

