



Earth Care Products & Services

G/1, Sriniketan Apartment, 65 Sukanta Park, P.O. Prafulla Kanan, Kolkata - 700101
Mob: 9339638868, 62900236454 email: ecpskol@gmail.com
Services Offered: Groundwater and Geophysical Consultancy



Ref No. Elog/Bhatija/1118/23-24

Date 18.11.2023

ELECTRICAL LOGGING TEST REPORT

BORING METHOD APPLIED : Direct Mud Circulation by Mechanized Rotary Rig
SITE : Bhatija
LOCATION :
LATITUDE : Block : Barahani , Dist : Chandauli , State : Uttar Pradesh
LONGITUDE : 25.22276° North
Logger Make and Model : 83.34515° East
Borehole Drilled by (Agency) : IGIS, DMPL2
Work Under (Department) : Ion Exchange India Limited
Uttar Pradesh Jal Nigam , Gramin

FINDINGS & RESULTS.

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

DEPTH ELECTROLOGGED : 191.00 mtrs/

RW : 21.72 Ω M RM : 6.01 Ω M


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

Sl No	Depth (M BGL)	Thickness	Lithology /Stratum interpreted	Remarks/ Quality of Aquifer
1	30-45 m	15 m	Medium Sand	Good
2	120- 130 m	10 m	Medium Sand	Good
3	140-160m	20 m	Coarse 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 , Sand
2. Large sections of water bearing zones (Sand) are there
3. Water quality in sand zones is good in zones 140 m-160 m , 120 m-130 m , 30m-45 m
4. Predominant Clay zones presence is there at 0 m-15 m, 165 m-190 m


(Sandeep Gupta)
M.Sc (G.I.) PGD (GEM)
M.Phil (Hydrogeology)
Hydrogeologist & Ground Water Consultant

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