



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Barabanki/134

Date : 07.06.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Tikruwa, Block – Haidergarh
Distt. – Barabanki

Drilling Depth : 170 mbgl

Logged Depth : 165 mbgl

Date of Logging : 07.06.23

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : Upfron

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	R_{mf} & R_w
1	30 – 40	10	Good, kankar intermixed	$R_{mf} = 20.1 \Omega m$ $R_w = 22 \Omega m$
2	42 – 50	8	Good, kankar intermixed	
3	54 – 61	7	Good	
4	65 – 70	5	Good	
5	97 – 100	3	Good	
6	105 – 110	5	Good	
7	117 – 128	11	Good	

Remark : Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating below 130 mbgl to till depth logged.

CC:

- Executive Engineer (E/M Div.) U P Jal Nigam (Gramin), Ayodhya

Verified as per
logs provided

G.Sh
08/06/23



(A.K. Singh)
Geophysicist