



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : [sl.amaresh11@gmail.com](mailto:sl.amaresh11@gmail.com), [gicaksingh@gmail.com](mailto:gicaksingh@gmail.com)

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Barabanki/98

Date : 27.04.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

Drilling Depth : 170 mbgl

Logged Depth : ~~165 mbgl~~

Date of Logging : 27.04.23

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

Logger Used : ~~Uptron~~

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	$R_{mf}$ & $R_w$
<del>1</del>	33 – 45	12	Good	<del><math>R_{mf} = 19 \Omega m</math> <math>R_w = 21.2 \Omega m</math></del>
<del>2</del>	47 – 51	4	Good	
<del>3</del>	55 – 60	5	Good	
<del>4</del>	68 – 71	3	Good	
<del>5</del>	89 – 100	11	Good	

Remark : ~~Almost~~ all zones are intermixed with fine bands of kankar. Formation water quality is poor (saline) below 105 mbgl to till depth logged.

CC :

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

Verified as per logs provided  
Note: Sr No 5-09-93 (4m)  
and 96-100 (4m)

G. S. S.  
20/09/23  
  
  
(G. S. S.)  
Geophysicist