



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

Mob: 9450659011, 8840756551, 9450364183

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

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Ayodhya/148

Date : 23.01.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Barela, Block – Rudauli  
Distt. – Ayodhya

**Drilling Depth** : 170 mbgl as Reported by Driller

**Logged Depth** : ~~165~~ mbgl

**Date of Logging** : 23.01.23

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



**Logger Used** : ~~IGIS~~

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>	<del>23 – 38</del>	<del>15</del>	<del>Good</del>	<del><math>R_{mf} = 22.7 \Omega m</math> <math>R_w = 24 \Omega m</math></del>
<del>2</del>	<del>56 – 59</del>	<del>4</del>	<del>Good</del>	
<del>3</del>	<del>64 – 70</del>	<del>6</del>	<del>Good</del>	
<del>4</del>	<del>73 – 79</del>	<del>6</del>	<del>Good</del>	
<del>5</del>	<del>85 – 90</del>	<del>5</del>	<del>Good</del>	
<del>6</del>	<del>101 – 104</del>	<del>3</del>	<del>Good</del>	
<del>7</del>	<del>110 – 114</del>	<del>4</del>	<del>Good</del>	
<del>8</del>	<del>137 – 140</del>	<del>3</del>	<del>Good, Finer sediments</del>	
<del>9</del>	<del>151 – 154</del>	<del>3</del>	<del>Good, Finer sediments</del>	
<del>10</del>	<del>157 – 163</del>	<del>6</del>	<del>Good, highly kankar mixed</del>	

**Remark** : ~~Almost all zones are intermixed with fine bands of kankar.~~

*Verified as per  
logs provided.  
G.S.K.  
24/01/23*

  
  
(A.K. Singh)  
Geophysicist