



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/Bahraich/02

Date : 27.04.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Lakhawapur, Block – Jarwal  
Distt. – Bahraich

**Drilling Depth** : 335 mbgl

**Logged Depth** : ~~332 mbgl~~

**Date of Logging** : 27.04.23

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

**Logger Used** : ~~Upton~~

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

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Probable Lithology	Remarks	$R_{mf}$ & $R_w$
<del>1</del>	<del>35 – 47</del>	<del>12</del>	<del>Fine to medium sand</del>	<del>Good</del>	<del><math>R_{mf} = 21.4 \Omega m</math></del>
<del>2</del>	<del>55 – 61</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	<del><math>R_w = 23 \Omega m</math></del>
<del>3</del>	<del>70 – 76</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>4</del>	<del>82 – 88</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>5</del>	<del>90 – 93</del>	<del>3</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>6</del>	<del>127 – 134</del>	<del>7</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>7</del>	<del>157 – 170</del>	<del>13</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>8</del>	<del>255 – 261</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	

**Remark** ∴ Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 270 mbgl to till depth logged. Good clay zones encountered 106 - 110 mbgl, 138 - 143 mbgl, 172 - 175 mbgl, 192 - 195 mbgl, 220 - 225.

Verified as per  
logs provided  
G.Sh  
20/04/23

