



# GROUND WATER INVESTIGATION CENTRE

## (Ground Water Assessment & Allied Services)

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

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Gonda/24

Date : 02.09.22

### GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village -Lokiya Tahir, Block - Rehra Bazar  
Distt. - Gonda

Drilling Depth : 175 mbgl as Reported by Driller

Logged Depth : 170 mbgl

Date of Logging : 02.09.22

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 <sub>mf</sub> & R <sub>w</sub>
1	10 - 25	15	Sandy clay / clay kankar / clay / very fine sand		R <sub>mf</sub> = 35.6 Ωm
<del>2</del>	<del>25 - 31</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Good</del>	R <sub>w</sub> = 41.6 Ωm
<del>3</del>	<del>31 - 44</del>	<del>13</del>	<del>Clay / clay kankar / sandy clay</del>		
<del>4</del>	<del>44 - 80</del>	<del>36</del>	<del>Fine to medium sand intermixed fine bands of kankar</del>	<del>Good</del>	
<del>5</del>	<del>80 - 87</del>	<del>7</del>	<del>Clay / clay kankar</del>		
<del>6</del>	<del>87 - 97</del>	<del>10</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>7</del>	<del>97 - 111</del>	<del>14</del>	<del>Clay / clay kankar</del>		
<del>8</del>	<del>111 - 116</del>	<del>5</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>9</del>	<del>116 - 122</del>	<del>6</del>	<del>Clay / clay kankar</del>		
<del>10</del>	<del>122 - 126</del>	<del>4</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>11</del>	<del>126 - 136</del>	<del>10</del>	<del>Clay / clay kankar</del>		
<del>12</del>	<del>136 - 150</del>	<del>14</del>	<del>Finer sediments intermixed with kankar</del>	<del>Good</del>	
<del>13</del>	<del>150 - 157</del>	<del>7</del>	<del>Clay / clay kankar</del>		
<del>14</del>	<del>157 - 167</del>	<del>10</del>	<del>Fine to medium sand</del>	<del>Good</del>	
15	167 - 170	3	Sandy clay		

Remark :

C.C:

1. M/S L & T Gonda

*Verified as per logs provided.*

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