



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampur/10

Date : 26.07.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Nachauri, Block – Gainsari  
Distt. – Balrampur

Drilling Depth : 165 mbgl as Reported by Driller

Logged Depth : 163 mbgl

Date of Logging : 26.07.22

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)	Probable Lithology	Remarks	R <sub>mf</sub> & R <sub>w</sub>
1	10 – 25	15	Sandy clay / clay kankar		R <sub>mf</sub> = 20.6 Ωm R <sub>w</sub> = 22.3 Ωm
<del>2</del>	<del>25 – 42</del>	<del>7</del>	<del>Fine to medium sand mixed fine bands of kankar</del>	<del>Good</del>	
<del>3</del>	<del>42 – 53</del>	<del>11</del>	<del>Clay kankar</del>		
<del>4</del>	<del>53 – 57</del>	<del>4</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>5</del>	<del>57 – 63</del>	<del>6</del>	<del>Clay <i>Sandy clay.</i></del>		
<del>6</del>	<del>63 – 83</del>	<del>20</del>	<del>Fine to medium sand mixed fine bands of kankar</del>	<del>Good</del>	
<del>7</del>	<del>83 – 93</del>	<del>10</del>	<del>Clay kankar</del>		
<del>8</del>	<del>93 – 100</del>	<del>7</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>9</del>	<del>100 – 113</del>	<del>13</del>	<del>Sandy clay</del>		
<del>10</del>	<del>113 – 117</del>	<del>4</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>11</del>	<del>117 – 120</del>	<del>3</del>	<del>Sandy clay</del>		
<del>12</del>	<del>120 – 123</del>	<del>3</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>13</del>	<del>123 – 130</del>	<del>7</del>	<del>Clay kankar</del>		
<del>14</del>	<del>130 – 138</del>	<del>8</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>15</del>	<del>138 – 147</del>	<del>9</del>	<del>Clay kankar <i>Predominantly clay.</i></del>		
<del>16</del>	<del>147 – 152</del>	<del>5</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>17</del>	<del>152 – 156</del>	<del>4</del>	<del>Clay kankar <i>Predominantly clay.</i></del>		
<del>18</del>	<del>156 – 159</del>	<del>3</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>19</del>	<del>159 – 163</del>	<del>4</del>	<del>Clay kankar</del>		

Remark ..

CC:

1 M/S L & T Balrampur

*Verified as per logs provided.*

*Gish*  
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