



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampur/43

Date : 10.12.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Bhojpur Santari, Block – Gaisandi  
District - Balrampur

**Drilling Depth** : 280 mbgl as Reported by Driller

**Logged Depth** : ~~270~~ mbgl

**Date of Logging** : 10.12.22

**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>
<del>1</del>	<del>32 – 40</del>	<del>8</del>	<del>Fine to medium sand</del>	<del>Good</del>	R <sub>mf</sub> = 22.4 Ωm R <sub>w</sub> = 24 Ωm
<del>2</del>	<del>47 – 55</del>	<del>8</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>3</del>	<del>62 – 71</del>	<del>9</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>4</del>	<del>78 – 81</del>	<del>3</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>5</del>	<del>105 – 112</del>	<del>7</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>6</del>	<del>125 – 135</del>	<del>10</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>7</del>	<del>145 – 152</del>	<del>7</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>8</del>	<del>155 – 170</del>	<del>15</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>9</del>	<del>186 – 195</del>	<del>9</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>10</del>	<del>200 – 210</del>	<del>10</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>11</del>	<del>233 – 242</del>	<del>9</del>	<del>Fine to medium sand</del>	<del>Good</del>	
<del>12</del>	<del>259 – 263</del>	<del>4</del>	<del>Fine to medium sand</del>	<del>Good</del>	

**Remark** : Almost all zones are intermixed with fine bands of kankar M/S NCC Sitapur

Verified as per logs provided  
Note - Sr No 3 - 64-71 (7m)  
Sr No 9 - 186-193 (7m)  
Sr No 12 - highly kankar intermixed.  
G.Sh  
12/12/22

Dr. A.K. Singh  
Geophysicist