



# 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/ Balrampur/50

Date : 16.12.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Bajardeeh, Block – Harria Satgharwa  
District - Balrampur

**Drilling Depth** : 275 mbgl as Reported by Driller

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

**Date of Logging** : 16.12.22

**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         | $R_{mf}$ & $R_w$  |
|---------------|----------------------|---------------|--|-----------------|---|
| <del>1</del>  | <del>34 – 43</del>   | <del>9</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> | <del><math>R_{mf} = 21.6 \Omega m</math><br/><math>R_w = 23.4 \Omega m</math></del> |
| <del>2</del>  | <del>57 – 61</del>   | <del>4</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> |   |
| <del>3</del>  | <del>75 – 80</del>   | <del>5</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> |   |
| <del>4</del>  | <del>96 – 100</del>  | <del>4</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> |   |
| <del>5</del>  | <del>120 – 137</del> | <del>17</del> | <del>Fine to medium sand, mixed kankar bands</del> | <del>Good</del> |   |
| <del>6</del>  | <del>142 – 145</del> | <del>3</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> |   |
| <del>7</del>  | <del>165 – 177</del> | <del>12</del> | <del>Fine to medium sand, mixed kankar bands</del> | <del>Good</del> |   |
| <del>8</del>  | <del>189 – 200</del> | <del>11</del> | <del>Fine to medium sand, mixed kankar bands</del> | <del>Good</del> |   |
| <del>9</del>  | <del>219 – 226</del> | <del>7</del>  | <del>Fine to medium sand</del>                     | <del>Good</del> |   |
| <del>10</del> | <del>232 – 245</del> | <del>13</del> | <del>Fine to medium sand, mixed kankar bands</del> | <del>Good</del> |   |

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

*Verified as per logs provided.*  
G.Sh  
19/12/22

  
  
(A.K. Singh)  
Geophysicist