



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Sitapur/311

Date : 12.12.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Bhikhpur & Turtipur, Block - Hargaon  
Distt. – Sitapur

**Drilling Depth** : 175 mbgl – as reported by driller

**Logged Depth** : ~~170 mbgl~~

**Date of Logging** : 12.12.22

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

**Logger Used** : ~~IGIS~~

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



| Sl. No.       | Depth Range (m, bgl) | Thickness (m) | Quality & Types of strata                     | $R_{mf}$ & $R_w$  |
|---------------|----------------------|---------------|---|---|
| <del>1</del>  | <del>17 – 24</del>   | <del>7</del>  | <del>Good</del>                               | <del><math>R_{mf} = 27.6 \Omega m</math><br/><math>R_w = 29.2 \Omega m</math></del> |
| <del>2</del>  | <del>32 – 39</del>   | <del>7</del>  | <del>Good</del>                               |   |
| <del>3</del>  | <del>46 – 56</del>   | <del>10</del> | <del>Good, intermixed with kankar bands</del> |   |
| <del>4</del>  | <del>62 – 66</del>   | <del>4</del>  | <del>Good</del>                               |   |
| <del>5</del>  | <del>72 – 78</del>   | <del>6</del>  | <del>Good</del>                               |   |
| <del>6</del>  | <del>81 – 84</del>   | <del>3</del>  | <del>Good</del>                               |   |
| <del>7</del>  | <del>95 – 103</del>  | <del>8</del>  | <del>Good, intermixed with kankar bands</del> |   |
| <del>8</del>  | <del>106 – 112</del> | <del>6</del>  | <del>Good, intermixed with kankar bands</del> |   |
| <del>9</del>  | <del>114 – 117</del> | <del>3</del>  | <del>Good</del>                               |   |
| <del>10</del> | <del>144 – 155</del> | <del>11</del> | <del>Good, intermixed with kankar bands</del> |   |
| <del>11</del> | <del>161 – 165</del> | <del>4</del>  | <del>Good, intermixed with kankar bands</del> |   |

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

C C :

1. M/S NCC Sitapur

*Verified as per logs provided.*  
Gish  
13/12/22

  
  
**(A.K. Singh)**  
Geophysicist