



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Ayodhya/101

Date : 26.12.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Sithauli, Block – Rudauli  
Distt. – Ayodhya

**Drilling Depth** : 170 mbgl as Reported by Driller

**Logged Depth** : ~~160~~ mbgl

**Date of Logging** : 26.12.22

**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) | Types of strata                          | $R_{mf}$ & $R_w$  |
|--------------|----------------------|---------------|--|---|
| <del>1</del> | <del>42 – 58</del>   | <del>16</del> | <del>Good, Intermixed kankar bands</del> | <del><math>R_{mf} = 24.1 \Omega m</math><br/><math>R_w = 26 \Omega m</math></del> |
| <del>2</del> | <del>65 – 70</del>   | <del>5</del>  | <del>Good</del>                          |   |
| <del>3</del> | <del>72 – 90</del>   | <del>18</del> | <del>Good, Intermixed kankar bands</del> |   |
| <del>4</del> | <del>95 – 100</del>  | <del>5</del>  | <del>Good</del>                          |   |
| <del>5</del> | <del>111 – 118</del> | <del>7</del>  | <del>Good</del>                          |   |
| <del>6</del> | <del>123 – 130</del> | <del>7</del>  | <del>Good, Intermixed kankar bands</del> |   |

**Remark** : ~~Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 130 mbgl.~~

CC : M/S Universal MEP Projects & Engg. Service Ltd. Ayodhya

*Verified as per logs provided.  
Note - So Not have finer sediments.  
G.Sh  
27/12/22*

*Drish*  
  
(*G.S. Singh*)  
Geophysicist