



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Ayodhya/106

Date : 30.12.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village - Ghurehta, Block - Harringtonganj  
Distt. - Ayodhya

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

**Logged Depth** : ~~165 mbgl~~ 157 MBGL

**Date of Logging** : 30.12.22

**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) | Types of strata                          | $R_{mf}$ & $R_w$  |
|--------------|----------------------|---------------|--|---|
| <del>1</del> | <del>25 - 32</del>   | <del>7</del>  | <del>Good</del>                          | <del><math>R_{mf} = 22.1 \Omega m</math><br/><math>R_w = 23.6 \Omega m</math></del> |
| <del>2</del> | <del>37 - 42</del>   | <del>5</del>  | <del>Good</del>                          |   |
| <del>3</del> | <del>49 - 56</del>   | <del>7</del>  | <del>Good</del>                          |   |
| <del>4</del> | <del>64 - 76</del>   | <del>12</del> | <del>Good</del>                          |   |
| <del>5</del> | <del>117 - 127</del> | <del>10</del> | <del>Good</del>                          |   |
| <del>6</del> | <del>146 - 154</del> | <del>8</del>  | <del>Good, Intermixed kankar bands</del> |   |

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

CC : M/S VTL - GAJA (JV)

*Verified as per  
logs provided.  
GSh  
31/12/22*

*Drish*  
  
(A.K. Singh)  
Geophysicist

Gayatri - Phase - III

Proposed Tubewell Assembly chart of Ghuwarhalla

W/S Scheme Block - Hasinlanganj

District - AYODHYA

Drilling/Lowering - 165/150m

Bore Size - 600x500mm.

T.W. Asse. Size - 300x200mm.

Recommended Discharge - 1360 LPM

S.W.L. -

D.O.L. -

S.P. - 30m

H.P. - 45m

Logging Report - 30/12/22

1- 25 - 32 ⇒ 07

2- 37 - 42 ⇒ 05

3- 49 - 56 ⇒ 07

4- 64 - 76 ⇒ 12

5- 117 - 127 ⇒ 10

6- 146 - 154 ⇒ 08

7-

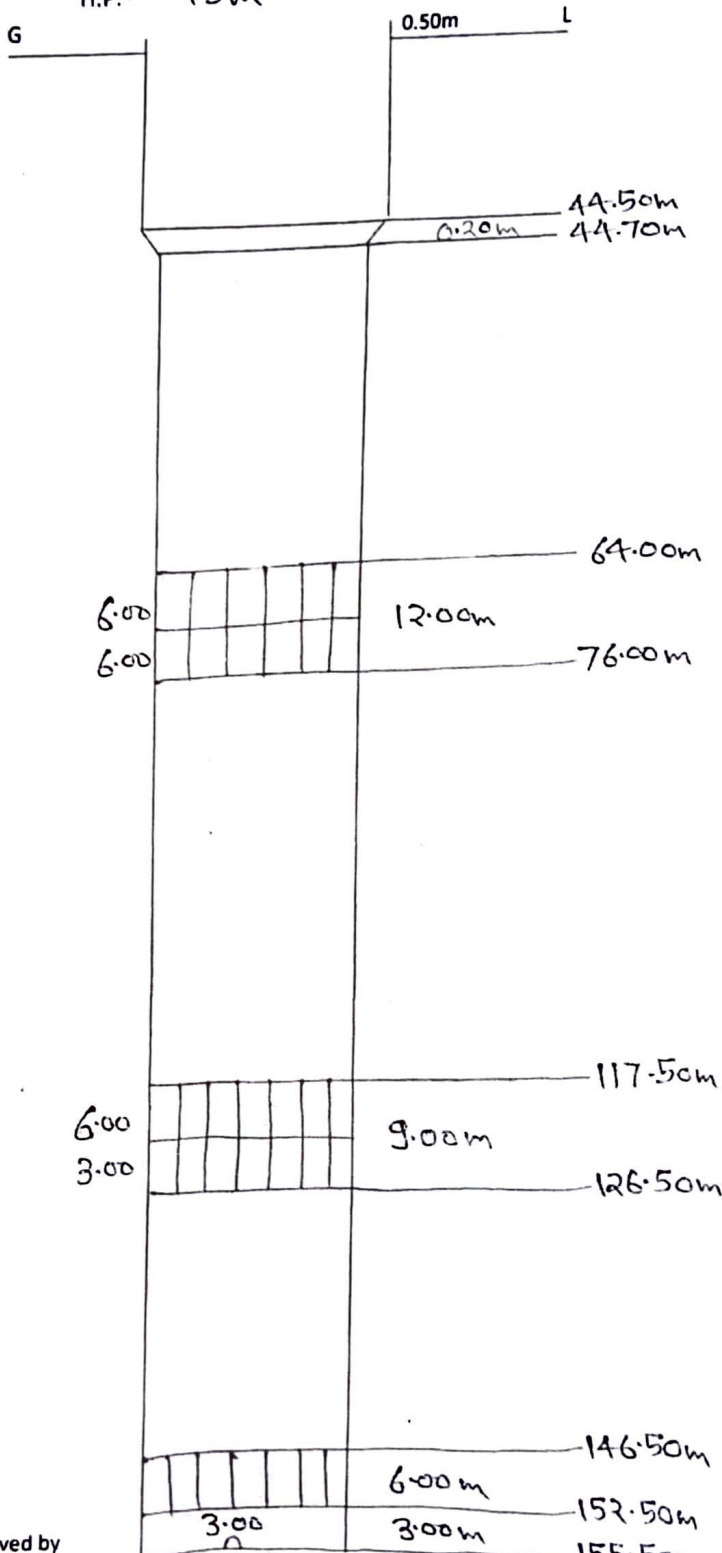
8-

9-

10-

11-

12-



Prepared by  
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(Sampuranand)  
A.E.

Approved by  
(Mohd. Maaz)  
E.E.

ABL(H) 0.50m  
Total ⇒ 156.00m