



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/Amethi/7

Date : 08.11.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Rastamau, Block – Jagdishpur
Distt. – Amethi

Drilling Depth : 405 mbgl as reported by Driller

Logged Depth : ~~400 mbgl~~

Date of Logging : 08.11.22

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

Logger Used : ~~Upron~~

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 |
|--------------|----------------------|---------------|---------------------------|--------------------------|
| 1 | 30 – 46 | 16 | Good | $R_{mf} = 29.4 \Omega m$ |
| 2 | 85 – 93 | 8 | Good | $R_w = 31.2 \Omega m$ |
| 3 | 223 – 230 | 7 | Moderate to marginal | |
| 4 | 275 – 281 | 6 | Good to moderate | |
| 5 | 321 – 327 | 6 | Good to moderate | |
| 6 | 352 – 357 | 5 | Good to moderate | |
| 7 | 363 – 369 | 6 | Good to moderate | |
| 8 | 385 – 391 | 6 | Good to moderate | |

Remark : The formation water quality is deteriorating from marginal to saline in between 106 mbgl to 208 mbgl.

Verified as per logs provided.

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