

# FIRST BEST SOLUTIONS

(COMPLETE GROUND WATER SERVICE PROVIDER)

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Date:10-9-2023

## Geophysical Borehole Logging Report

By Sh. R. Chandra, Sr. Scientist (Retd.)

The geo-electric logging was done in the borehole at village Terhiparis, Block Haraya Satghrgwa, District Balrampur, U.P.

Name of Village : Terhiparis (82°13'37"E, 27°36'58.2"N)

Block – Satghrgwa

District: Balrampur

Date : 10-9-2023

Depth logged : 266.0 mbgl

Logger use : Robertson

Based on the Interpretation report from geophysical Log chart following granular zones have been deciphered.

| S.No | Depth Range<br>(m.bgl) |     | Thickness<br>(m) | LITHOLOGY        |
|------|------------------------|-----|------------------|------------------|
|      | From                   | To  |                  |                  |
| 1    | 6                      | 14  | 8                | Fine Sand        |
| 2    | 14                     | 50  | 36               | clay with Kankar |
| 3    | 50                     | 54  | 4                | Fine Sand        |
| 4    | 54                     | 60  | 6                | clay with Kankar |
| 5    | 60                     | 64  | 4                | Fine Sand        |
| 6    | 64                     | 74  | 10               | clay with Kankar |
| 7    | 74                     | 93  | 19               | medium sand      |
| 8    | 93                     | 101 | 8                | clay with Kankar |
| 9    | 101                    | 109 | 8                | Fine Sand        |
| 10   | 109                    | 114 | 5                | clay with Kankar |
| 11   | 114                    | 117 | 3                | Fine Sand        |
| 12   | 117                    | 148 | 31               | clay with Kankar |
| 13   | 148                    | 154 | 6                | Fine Sand        |
| 14   | 154                    | 162 | 8                | clay with Kankar |
| 15   | 162                    | 167 | 5                | Fine Sand        |
| 16   | 167                    | 174 | 7                | clay with Kankar |
| 17   | 174                    | 182 | 8                | Fine Sand        |
| 18   | 182                    | 210 | 28               | clay with Kankar |
| 19   | 210                    | 214 | 4                | Fine Sand        |
| 20   | 214                    | 224 | 10               | clay with Kankar |
| 21   | 224                    | 230 | 6                | Fine Sand        |
| 22   | 230                    | 234 | 4                | clay with Kankar |

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| S.No | Depth Range (m.bgl) |     | Thickness (m) | LITHOLOGY           |
|------|---------------------|-----|---------------|---------------------|
|      | From                | To  |               |                     |
| 23   | 234                 | 248 | 14            | Fine to medium Sand |
| 24   | 248                 | 256 | 8             | clay with Kankar    |
| 25   | 256                 | 260 | 4             | Fine Sand           |
| 26   | 260                 | 266 | 6             | clay with Kankar    |

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Proprietor

| S.No | Depth Range (m.bgl) |     | Thickness (m) | LITHOLOGY           |
|------|---------------------|-----|---------------|---------------------|
|      | From                | To  |               |                     |
| 1    | 6                   | 19  | 13            | Medium to fine sand |
| 2    | 19                  | 24  | 5             | Clay and kankar     |
| 3    | 24                  | 32  | 8             | fine sand           |
| 4    | 32                  | 38  | 6             | Clay and kankar     |
| 5    | 38                  | 54  | 16            | Medium to fine sand |
| 6    | 54                  | 104 | 50            | Clay and kankar     |
| 7    | 104                 | 112 | 8             | fine sand           |
| 8    | 112                 | 130 | 18            | Clay with kankar    |
| 9    | 130                 | 160 | 30            | fine sand           |

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