

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:23-24:LS: *K-02*

Dated: 13-07-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Harpur  
Block: Nautanwa  
District: Maharajganj  
State: Uttar Pradesh  
Date of logging: 12-07-2023  
Drilling Depth: 255.0 m bgl  
Logging Depth: 240.0m bgl  
Rm -21.0  $\Omega$ m Rw - 22.0 $\Omega$ m

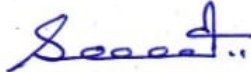
Borehole Drilled by: M/s Ritwik- Koya(JV), Maharajganj, U.P. India.

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16'')**, **Long Normal (N-64'')** and **Lateral (6')** geophysical logs following informations/granular zones have been deciphered with respect to **Salinity** only:

| Sl. No. | Depth Range (m bgl) | Thickness (meter) | Remark (Quality of Aquifer Water) |
|---------|---------------------|-------------------|-----------------------------------|
| 1.      | 35 - 42             | 07                | Good                              |
| 2.      | 46 - 50             | 04                | Good                              |
| 3.      | 65 - 69             | 04                | Good                              |
| 4.      | 124 - 131           | 07                | Good                              |
| 5.      | 157 - 161           | 04                | Good                              |
| 6.      | 170 - 174           | 04                | Good                              |
| 7.      | 218 - 225           | 07                | Good                              |

Note: Fine bands of kankar are intermixed with almost all the zones.

For Geo Instruments & Technic's

  
(S. Shukla)

Site - Haspur

Block - Nautanua

Distt - Maharaajganj

Date of Logging - 12-07-23

Drilling Depth - 255m, 500x500

Logging Depth - 290m, 200x150

LPM - 550, 18mtr slatted

Date: - 14-07-23

### Logging Report

- ① 35-42 = 07
- ② 46-50 = 04
- ③ 65-69 = 04 = 03
- ④ 124-131 = 07 = 06
- ⑤ 157-161 = 04 = 03
- ⑥ 170-174 = 04
- ⑦ 218-225 = 07 = 06

### Cutting / complain pipe

- ①  $6.03 - 5.67 = 0.36$
- ②  $6.01 - 3.86 = 2.17 - 1.88 = 0.29$
- ③  $6.01 - 2.94 = 3.07$

Total Lowering 22  
228.07

|    |      |            |
|----|------|------------|
| 41 | 6.01 |            |
| 40 | 6.01 |            |
| 39 | 6.01 |            |
| 38 | 6.03 | = 36.08    |
| 37 | 6.02 |            |
| 36 | 6.00 | 35.58      |
|    | 0.2  | 35.79      |
| 35 | 6.02 |            |
| 34 | 6.01 | = 29.72    |
| 33 | 6.01 |            |
| 32 | 6.01 |            |
| 31 | 5.67 | 65.5       |
| 30 | ---  | 3.00 68.5  |
| 29 | 6.02 |            |
| 28 | 6.02 |            |
| 27 | 6.01 |            |
| 26 | 6.01 | = 56m      |
| 25 | 6.02 |            |
| 24 | 6.01 |            |
| 23 | 6.02 |            |
| 22 | 6.01 |            |
| 21 | 6.02 |            |
| 20 | 1.88 | 124.5      |
| 19 | ---  | 6.00 130.5 |
| 18 | 6.01 |            |
| 17 | 6.02 |            |
| 16 | 6.01 | 27m        |
| 15 | 6.02 |            |
| 14 | 2.94 | 157.5      |
| 13 | ---  | 3.00 160.5 |
| 12 | 6.01 |            |
| 11 | 6.02 |            |
| 10 | 6.01 |            |
| 9  | 6.02 | = 58m      |
| 8  | 6.02 |            |
| 7  | 6.01 |            |
| 6  | 6.02 |            |
| 5  | 6.01 |            |
| 4  | 6.02 |            |
| 3  | 3.86 |            |
|    |      | 218.5      |
| 2  | ---  | 6.00 224.5 |
| 1  | 3.07 | 227.57     |
|    |      | + 0.5      |
|    |      | 228.07     |