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# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:21-22:LS: 291  
Dated: 13-03-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Teghra  
Block: Bhatni  
District: Deoria  
State: Uttar Pradesh  
Date of logging: 12-03-2022  
Drilling depth: 140.0 m bgl  
Logging Depth: 131.0 m bgl  
Rm - 24.0  $\Omega$ m Rw - 26.0  $\Omega$ m

LA- 26.435193  
Lo - 83.923546

Borehole Drilled by: M/s L C Infra TCEL Joint Venture Deoria.

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:

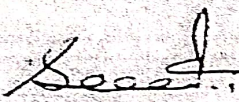
| Sl. No. | Depth Range (m bgl) | Thickness (meters) | Inferred lithology  | Remarks (Quality of aquifer water) |
|---------|---------------------|--------------------|---------------------|------------------------------------|
| 1.      | 27 - 37             | 10                 | Sand                | Good                               |
| 2.      | 47 - 58             | 11                 | Sand                | Good                               |
| 3.      | 70 - 77             | 07                 | Sand                | Good                               |
| 4.      | 95 - 105            | 10                 | Fine to Medium Sand | Good                               |
| 5.      | 111 - 114           | 03                 | Fine Sand           | Good                               |
| 6.      | 118 - 131           | 13                 | Sand                | Good                               |

Note: Fine bands of Kankar are intermixed with almost all the Zones.

For Geo Instruments & Technic's

Verified as per logs provided.

ASSISTANT HYDROGEOLOGIST  
14/03/2022  
UP. JAL NIGAM (RURAL)  
PRAYAG

  
(S. Shukla)



2022

5

2022

11B-62

35

| M  | T  | W  | T  | F  | S  | S  | Week | M  | T  | W  | T  | F  | S  | S  |
|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 18   | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 | 19   | 9  | 10 | 11 | 12 | 13 | 14 | 15 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 20   | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 21   | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 29 | 30 | 31 |    |    |    |    | 22   | 30 | 31 |    |    |    |    |    |

MARCH

Saturday

12

Week 11 • (071-294) 2022

Lowering of T.W. Assembly at Toghra T.W. Deoria /  
 Drilling/Lowering - 132/120 T.W. Assembly Size - 200X150mm  
 Bore Size - 550X500mm Recommended Discharge - 300 L.P.M.  
 Logging Date - 12/03/22 D.O.L. 14/03/22

| Logging Report                | 0.50m |
|-------------------------------|-------|
| 1. 27 - 37 $\Rightarrow$ 10   | 609   |
| 2. 47 - 58 $\Rightarrow$ 11   | 607   |
| 3. 70 - 77 $\Rightarrow$ 07   | 608   |
| 4. 95 - 105 $\Rightarrow$ 10  | 608   |
| 5. 111 - 114 $\Rightarrow$ 03 | 606   |
| 6. 118 - 131 $\Rightarrow$ 13 | 606   |

| Strata as per Actual  | 0.15m |
|-----------------------|-------|
| 0 - 17m clay          | 602   |
| 17 - 20m F Sand       | 602   |
| 20 - 25m clay         | 602   |
| 25 - 35m F Sand       | 602   |
| 35 - 45m clay         | 602   |
| 45 - 57m F Sand       | 602   |
| 57 - 68m clay         | 602   |
| 68 - 80m F Sand       | 602   |
| 80 - 98m F Sand       | 602   |
| 98 - 107m F Sand      | 602   |
| 107 - 131m Sandy clay | 602   |

Abil (H) 0.50m

Total  $\Rightarrow$  111.45m

Babli Kumar

(Sanjay Kumar) (Babli Kumar)  
 T.P.A. H.S. Saini