

Cover Agreement No. :-

Name of District:- Siddharth Nagar

Block Name:- Khuniyaon

Scheme Name:- Semoi

Name of Activity:- T/W

| Depth B.G.L.Meter | Boring Chart | Strata      | Executed Assembly | ASSEMBLY DETAILS                                 |
|-------------------|--------------|-------------|-------------------|--|
| 0                 |              |             | 0.50 L            | 300 mm Dia housing pipe to 41.66 M               |
|                   |              |             | 6.03              | 300 x 150mm reducer from 41.66 M to 41.86 M      |
|                   |              | clay        | 6.02              | 150mm dia plain pipe from 41.86 M to 72.50 M     |
|                   |              |             | 6.02              | 150mm dia slotted pipe from 72.50 M to 84.57 M   |
|                   |              |             | 6.03              | 150mm dia plain pipe from 84.57 M to 108.72 M    |
|                   |              |             | 6.02              | 150mm dia slotted pipe from 108.72 M to 117.75 M |
|                   |              |             | 6.03              | 150mm dia plain pipe from 117.75 M to 135.87 M   |
|                   |              |             | 6.02              | 150mm dia slotted pipe from 135.87 M to 138.90 M |
|                   |              |             | 6.03              | 150mm dia plain pipe from 138.90 M to 144.80 M   |
| 31                |              | medium sand | 6.03              |  |
| 35                |              | clay        | 6.01              |  |
| 39                |              | medium sand | 0.20              | Total Assembly- 144.80 M+AGL 0.5= 145.30M        |
| 45                |              | clay        | 6.02              |  |
| 52                |              | fine sand   | 6.04              |  |
| 59                |              | clay        | 6.04              |  |
| 62                |              | medium sand | 6.03              |  |
| 66                |              | clay        | 2.51              |  |
| 72                |              | fine sand   | 4.00              |  |
| 85                |              | clay        | 6.04              |  |
| 107               |              | fine sand   | 6.03              |  |
| 120               |              | clay        | 6.04              |  |
| 135               |              | fine sand   | 6.03              |  |
| 142               |              | clay        | 3.03              |  |
| 145               |              | medium sand | 5.90              |  |
| 149               |              | clay        | 0                 |  |
| 165               |              | clay        | 145.30M           |  |

**ABSTRACT**

Date of Lowering-

LPM- 750

Drilling Depth- 165 M

Assembly Lowered- 145.3 M

Housing Pipe- 42.16 M

Plain Pipe- 78.54 M

Slotted Pipe- 24.13 M

Reducer- 0.20 M

**LOGGING REPORT**

Date of Logging-

Logging Depth-

31-35 = 4

39-45 = 6

52-59 = 7

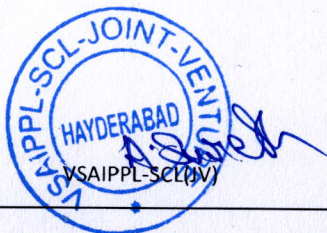
62-66 = 4

72-85 = 13

107-120 = 13

135-142 = 7

145-149 = 4



TPI

J.E.

A.E.

E.E.



Semai-Khunyoon

|      |      |         |
|------|------|---------|
| (26) | 6.03 | 0.5 M   |
|      | 6.02 |         |
| (25) | 6.02 |         |
| (24) | 6.03 |         |
| (23) | 6.02 | 242-16M |
| (22) | 6.03 |         |
| (21) | 6.01 |         |
| (20) |      |         |

Logging Report

|                   |
|-------------------|
| 31-35 = 04        |
| 39-45 = 06        |
| 52-59 = 07        |
| 62-66 = 04        |
| 72-85 = 13 = 12M  |
| 107-120 = 13 = 9M |
| 135-142 = 07 = 3M |
| 145-149 = 04      |

10m plain pipe cutting  
 $6.2 = 4.00 + 2.2$   
 $6.05 = 2.51 + x$

10m 210 pipe cutting  
 $6.03 = 3.03 + 3.00$

|      |      |          |
|------|------|----------|
|      | 0.2  | 41.66M   |
|      |      | 41.86M   |
| (19) | 6.02 |          |
| (18) | 6.04 |          |
| (17) | 6.04 |          |
| (16) | 6.03 | = 30.64  |
| (15) | 2.51 |          |
| (14) | 4.00 |          |
| (13) | 6.03 | 72.50    |
| (12) | 6.04 | 82.67    |
| (11) | 6.04 |          |
| (10) | 6.04 | = 24.15M |
| (9)  | 6.03 |          |
| (8)  | 6.04 | 108.72   |
| (7)  | 3.00 |          |
| (6)  | 6.03 | 117.75   |
| (5)  | 6.05 |          |
| (4)  | 6.04 | = 18.12M |
| (3)  | 6.03 |          |
| (2)  | 3.03 | 135.87   |
| (1)  | 5.90 | 138.90   |
|      |      | 144.80M  |
|      |      | + 0.5    |
|      |      | 145.30M  |

*Handwritten signature/initials*



**GEO INSTRUMENTS & TECHNIC'S**

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: 378

Dated: 07-05-2023

**GEOPHYSICAL BOREHOLE LOGGING REPORT**

Site: Semri  
 Block: Khuniyaon  
 District: Siddharth Nagar  
 State: Uttar Pradesh  
 Drilling Depth: 180.0 m bgl  
 Logging Depth: 173.0 m bgl  
 Date of logging: 06-05-2023  
 Rm - 15.0  $\Omega$ m Rw - 29.0  $\Omega$ m

165

Borehole Drilled by: M/s VSAIPPL-SCL (JV), VEEPL- Siddharth Nagar  
 Uttar Pradesh.

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) |
|---------------|---------------------|-------------------|-----------------------------------|
| <del>1.</del> | 31 - 35             | 04                | Good                              |
| <del>2.</del> | 39 - 45             | 06                | Good                              |
| <del>3.</del> | 52 - 59             | 07                | Good                              |
| <del>4.</del> | 62 - 66             | 04                | Good                              |
| <del>5.</del> | 72 - 85             | 13                | Good                              |
| <del>6.</del> | 107 - 120           | 13                | Good                              |
| <del>7.</del> | 135 - 142           | 07                | Good                              |
| <del>8.</del> | 145 - 149           | 04                | Good                              |

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

Verified as per logs provided.

For Geo Instruments &amp; Technic's

*S. Shukla*  
 (S. Shukla)

G. Gh  
 08/05/23