

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: 118

Dated: 12-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Kushyata**
Block: **Dumariya Ganj**
District: **Siddharth Nagar**
State: **Uttar Pradesh**
Drilling Depth: **175.0 m bgl**
Logging Depth: **175.0 m bgl**
Date of logging: **11-04-2023**
Rm - ~~17.0 Om~~ Rw - ~~17.0 Om~~

Borehole Drilled by: M/s **MEIL, 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) |
|----------------|---------------------|-------------------|-----------------------------------|
| 1. | 34 - 37 | 03 | Good |
| 2. | 43 - 53 | 10 | Good |
| 3. | 56 - 60 | 04 | Good |
| 4. | 64 - 71 | 07 | Good |
| 5. | 86 - 90 | 04 | Good |
| 6. | 105 - 109 | 04 | Good |
| 7. | 123 - 130 | 07 | Good |
| 8. | 139 - 149 | 10 | Good |
| 9. | 162 - 166 | 04 | Good |
| 10. | 171 - 175 | 04 | Good |

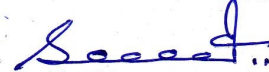
Note: ~~1.~~ Fine bands of Kankar are intermixed with almost all the zones.

~~2.~~ Zone Sl. No. 5 is highly kankar intermixed.

~~3.~~ Zones Sl. No. 6 & 9 are highly intermixed with fine bands of kankar.

Verified as per
logs provided

For Geo Instruments & Technic's


(S. Shukla)

GSh
12/04/23



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)



Har Ghar Jal
Jal Jeevan Mission

STRATA CHART

Cover Agreement No. :-

Name of District:-

Scheme Name:-

Name of Activity :-

Siddharthnagar

Kushada

Block Name:-

Damarigawanj

| Depth B.G.L.Meter | Boring Chart | Strata | Executed Assembly | ASSEMBLY DETAILS |
|-------------------|--------------|--------|-------------------|--|
| 34.0 | CLAY | | 40.5 | 200 mm Dia housing pipe to 35.53 M |
| 37.0 | M.S. | 35.53 | 6.00 | 200 x 150mm reducer from 35.53 M to 35.73 M |
| 43.0 | CLAY | 35.73 | 6.00 | 150mm dia plain pipe from 35.73 M to 64.49 M |
| 53.0 | M.S. | | 6.00 | 150mm dia slotted pipe from 64.49 M to 70.50 M |
| 56.0 | CLAY | | 6.00 | 150mm dia plain pipe from 70.50 M to 123.49 M |
| 60.0 | M.S. | | 6.00 | 150mm dia slotted pipe from 123.49 M to 129.50 M |
| 64.0 | CLAY | 64.49 | 6.00 | 150mm dia plain pipe from 129.50 M to 140.0 M |
| 71.0 | M.S. | 70.50 | 6.00 | 150mm dia slotted pipe from 140.0 M to 146.0 M |
| 86.0 | CLAY | | 6.00 | 150mm dia plain pipe from 146.0 M to 152.0 M |
| 90.0 | M.S. | | 6.00 | |
| 105.0 | CLAY | | 6.00 | Total Assembly-152.0 M+AGL 0.5=152.05M |
| 109.0 | M.S. | | 6.00 | |
| 123.0 | CLAY | | 6.00 | |
| 130.0 | M.S. | 123.49 | 4.95 | |
| 139.0 | CLAY | 129.50 | 6.00 | |
| 149.0 | M.S. | 140.00 | 4.50 | |
| 162.0 | CLAY | 146.00 | 6.00 | |
| 166.0 | M.S. | 152.0 | 0 | |
| 171.0 | CLAY | | 6.00 | |
| 175.0 | M.S. | | 0 | |

| ABSTRACT | |
|-------------------|------------|
| Date of Lowering- | 12-04-2023 |
| LPM- | 450 |
| Drilling Depth- | M |
| Assembly Lowered- | 152.05 M |
| Housing Pipe- | 36.03 M |
| Plain Pipe- | 98.25 M |
| Slotted Pipe- | 18.02 M |
| Reducer- | 0.2 M |

| LOGGING REPORT | |
|------------------|------------|
| Date of Logging- | 11-04-2023 |
| Logging Depth- | 175.0 |
| 34-37 | = 03 |
| 43-53 | = 10 |
| 56-60 | = 04 |
| 64-71 | = 07 |
| 86-90 | = 04 |
| 105-109 | = 04 |
| 123-130 | = 07 |
| 139-149 | = 10 |
| 162-166 | = 04 |
| 171-175 | = 04 |



TPI

J.E.

A.E.

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