

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:22-23:LS: 305

Dated: 15-06-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Dhorhara Mai Prasadi Khat**
 Block: **Khuniyaon**
 District: **Siddharth Nagar**
 State: **Uttar Pradesh**
 Date of logging: **14-06-2022**
 Drilling depth: **175.0 m bgl**
 Logging Depth: ~~168.0 m bgl~~ **168mbgl**

Borehole Drilled by: M/s G A Infra Pvt. Ltd, Siddharth Nagar, U. P.

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 (mbgl) | Thickness (meters) | Remarks (Quality of aquifer water) |
|---------|--------------------|--------------------|------------------------------------|
| 1. | 30 - 37 | 07 | Good |
| 2. | 42 - 45 | 03 | Good |
| 3. | 55 - 65 | 10 | Good |
| 4. | 72 - 75 | 03 | Good |
| 5. | 80 - 85 | 05 | Good |
| 6. | 100 - 105 | 05 | Good |
| 7. | 110 - 125 | 15 | Good |
| 8. | 133 - 138 | 05 | Good |
| 9. | 140 - 147 | 07 | Good |
| 10. | 155 - 161 | 06 | Good |
| 11. | 165 - 168 | 03 | Good |

Note: 1. Zone Sl. No. 4 is Fine Sand in nature.

2. Fine Bands of Kankar are intermixed with almost all the Zones.

Verified as per logs provided.

ASSISTANT HYDROGEOLOGIST
 15/06/2022
 U.P. JAL NIGAM (RURAL)
 PRAYAG

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

STRATA CHART



Cover Agreement No. :-

Name of District:- Siddharthnagar
Scheme Name:- Dhaurahara may Pargadi khas

Block Name:- bhuniyaon

Name of Activity :-

| Depth B.G.L.Meter | Boring Chart | Strata | Executed Assembly | ASSEMBLY DETAILS |
|-------------------|--------------|--------|-------------------|--|
| | | | +0.5 | 200 mm Dia housing pipe to 35.54 M |
| | | | 6.01 | 200 x150mm reducer from 35.54 M to 35.74 M |
| | | | 5.99 | 150mm dia plain pipe from 35.74 M to 112.42 M |
| | | | 6.01 | 150mm dia slotted pipe from 112.42 M to 124.48 M |
| | | | 6.02 | 150mm dia plain pipe from 124.48 M to 130.50 M |
| | | | 6.02 | 150mm dia slotted pipe from M to M |
| | | | 5.99 | 150mm dia plain pipe from M to M |
| | | | | 150mm dia slotted pipe from M to M |
| | | | | 150mm dia plain pipe from M to M |
| | | | | 150mm dia slotted pipe from M to M |
| | | | | 150mm dia plain pipe from M to M |
| | | | | Total Assembly- 130.50 M+AGL 0.5= 131.0 M |
| | | | | ABSTRACT |
| | | | | Date of Lowering- |
| | | | | LPM- 150 LPM |
| | | | | Drilling Depth- 165 M |
| | | | | Assembly Lowered- 131.0 M |
| | | | | Housing Pipe- 36.04 M ✓ |
| | | | | Plain Pipe- 82.70 M ✓ |
| | | | | Slotted Pipe- 12.06 M ✓ |
| | | | | Reducer- 0.2 M |
| | | | | LOGGING REPORT |
| | | | | Date of Logging- |
| | | | | Logging Depth- 168 M |
| | | | | 30 - 37 = 7 |
| | | | | 42 - 45 = 3 |
| | | | | 55 - 65 = 10 |
| | | | | 72 - 75 = 3 |
| | | | | 80 - 85 = 5 |
| | | | | 100 - 105 = 5 |
| | | | | 110 - 125 = 15 |
| | | | | 133 - 138 = 5 |
| | | | | 140 - 147 = 7 |
| | | | | 155 - 161 = 6 |
| | | | | 165 - 168 = 3 |
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