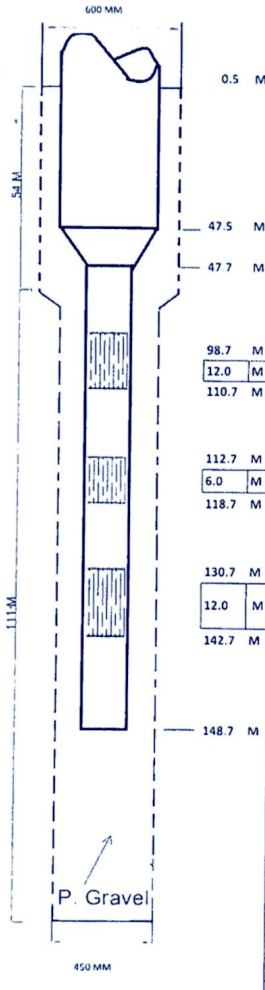


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Khamaria Pandit, Block- Ishanagar, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-2 **T/W-2**
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name Of Contractor :- M/S NCC Limited
 Name Of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

Lowered Assembly Chart of T. W of Khamaria Pandit G.P W/S Scheme District :- Lakhimpur Kheri.

| Strata | | | |
|--------|---|-----|-----------------------|
| 0 | - | 5 | M Surface Soil |
| 5 | - | 10 | M Clay Kankar |
| 10 | - | 15 | M Fine To Medium Sand |
| 15 | - | 37 | M Clay Kankar |
| 37 | - | 61 | M Fine To Medium Sand |
| 61 | - | 66 | M Clay Kankar |
| 66 | - | 75 | M Medium Sand |
| 75 | - | 80 | M Clay Kankar |
| 80 | - | 84 | M Medium Sand |
| 84 | - | 97 | M Clay Kankar |
| 97 | - | 120 | M Medium Sand |
| 120 | - | 130 | M Clay Kankar |
| 130 | - | 147 | M Fine To Medium Sand |
| 147 | - | 152 | M Clay Kankar |
| 152 | - | 160 | M Medium Sand |
| 160 | - | 165 | M Clay Kankar |



| ABSTRACT | | | |
|----------|--------------------------|----|------------|
| 1 | Type of Rig Machine | :- | DC/RC |
| 2 | Static Water level | :- | |
| 3 | Required Discharge | :- | 950 LPM |
| 4 | Bore Size (MM) | :- | 600 X 450 |
| 5 | Assembly Size (MM) | :- | 300 X 150 |
| 6 | Drilling Starting Date | :- | 04-03-2024 |
| 7 | Drilling Completion Date | :- | 08-03-2024 |
| 8 | Total Depth Of Drilling | :- | 165 M |
| 9 | Logging Date | :- | 09-03-2024 |
| 10 | Logging Depth | :- | 165 M |

| Logging Report | | | | |
|----------------|--------------|-------|---------------|----------|
| Sl No | Depth (mbgl) | | Thickness (m) | Remarks |
| 1 | 66 | - 75 | 9 | All Good |
| 2 | 80 | - 84 | 4 | |
| 3 | 97 | - 120 | 23 | |
| 4 | 130 | - 147 | 17 | |
| 12.0 | 152 | - 160 | 8 | |

| 11 Details of Lowered Assembly | | | |
|-----------------------------------|-----------|-------------------------|--------------|
| i) | 300 | MM Dia Housing Pipe | 48.0 M |
| ii) | 150 | MM Dia M S Slotted pipe | 30.0 M |
| iii) | 150 | MM Dia M S Plain pipe | 71.0 M |
| iv) | 300 X 150 | MM Dia M S Reducer | 0.2 M |
| Total | | | 149.20 Meter |
| AGL | | | 0.50 Meter |
| BGL | | | 148.70 Meter |
| 12 Date of Lowering :- 13.03.2024 | | | |

Recommended & Prepared by: M/S. NCC Ltd.
 Verified by: M/S. Ceinsys Tech Ltd.
 Recommended by: Ashish Kumar, 13th Division UP Jal Nigam (R) Lucknow
 Approved by: Ashok Kumar, 13th Division U P Jal Nigam (R) Lucknow

ASHISH KUMAR
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (E&M)
 U.P. JAL NIGAM (R)
 LUCKNOW

ASHOK KUMAR
 Assistant Engineer
 Divisional Office (E&M)
 UP Jal Nigam (R)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHAMARIYA PANDIT, BLOCK- ISHANAGAR,
DISTT-LAKHIMPUR KHIRI

UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Mar.2024.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 12.86 Ohms.

Drilling Water Resistivity = 13.21 Ohms.

Approx Water Level = 5 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|----------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 10 | 5 | Clay kankar | |
| 3. | 10 - 15 | 5 | Fine sand | |
| 4. | 15 - 37 | 22 | Clay kankar | |
| 5. | 37 - 61 | 24 | Medium sand | Good |
| 6. | 61 - 66 | 5 | Clay kankar | |
| 7. | 66 - 75* | 9 | Medium sand & kankar | Good |
| 8. | 75 - 80 | 5 | Clay kankar | |
| 9. | 80 - 84* | 4 | Fine to Medium sand | Good |
| 10. | 84 - 97 | 13 | Clay kankar | |
| 11. | 97 - 120* | 23 | Medium sand | Good |
| 12. | 120 - 130 | 10 | Clay kankar | |
| 13. | 130 - 147* | 17 | Medium sand | Good |
| 14. | 147 - 152 | 5 | Clay kankar | |
| 15. | 152 - 160* | 8 | Medium sand | Good |
| 16. | 160 - 165 | 5 | Clay kankar | |

Ground Water Survey Consultancy

