

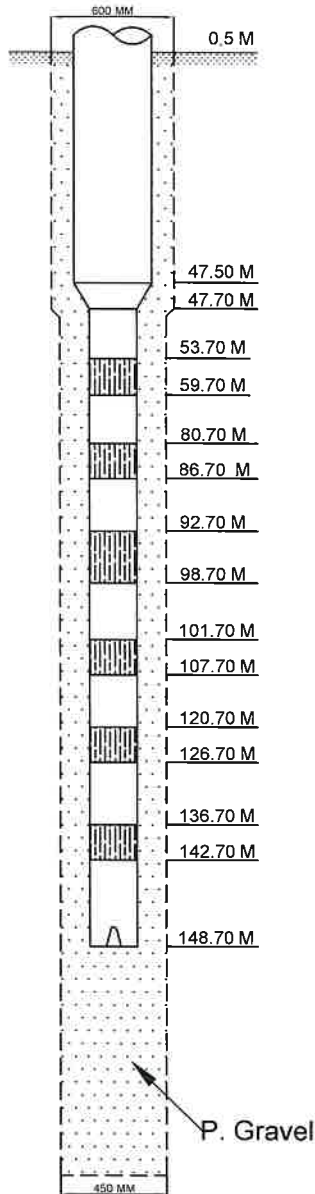
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Dhaka, Block-Palia, District, Lakhimpur Kheri.
Name of Program :- J. J. M-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 Dated on 12.03.2021
Cover Agreement :- 200/ED/2021-22/III Dt. 30 November, 2021

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

Strata

| |
|---------------------------|
| 0-3 M, Surface Clay |
| 3-20 M, Clay & Silty Soil |
| 20-27 M, Fine Sand |
| 27-32 M, Clay |
| 32-35 M, Fine Sand |
| 35-42 M, Clay |
| 42-62 M, Medium Sand |
| 62-66 M, Clay Kankar |
| 66-69 M, Medium Sand |
| 69-80 M, Clay Kankar |
| 80-88 M, Medium Sand |
| 88-92 M, Clay Kankar |
| 92-109 M, Medium Sand |
| 109-113 M, Clay Kankar |
| 113-116 M, Medium Sand |
| 116-120 M, Clay Kankar |
| 120-127 M, Medium Sand |
| 127-130 M, Clay Kankar |
| 130-133 M, Medium Sand |
| 133-136 M, Clay Kankar |
| 136-148 M, Medium Sand |
| 148-167 M, Clay Kankar |
| 167-171 M, Medium Sand |



ABSTRACT

| | | |
|----|--------------------------|---------------|
| 1 | Type of Rig Machine | :- DC/RC |
| 2 | Static Water level | :- |
| 3 | Required Discharge | :- 600 LPM |
| 4 | Bore Size (MM) | :- 600x450 |
| 5 | Assembly Size (MM) | :- 300 x 150 |
| 6 | Drilling Starting Date | :- 02.04.2022 |
| 7 | Drilling Completion Date | :- 06.04.2022 |
| 8 | Total Depth Of Drilling | :- 175 M |
| 9 | Logging Date | :- 07.04.2022 |
| 10 | Logging Depth | :- 172 M |

Logging Report

| Sl.No | Depth (mbgl) | Thickness (m) | Remarks |
|-------|--------------|---------------|--------------------------------|
| 1 | 20-27 | 07 | Fine to Medium Sand (Good All) |
| 2 | 32-35 | 03 | |
| 3 | 42-62 | 20 | |
| 4 | 66-69 | 03 | |
| 5 | 80-88 | 08 | |
| 6 | 92-109 | 17 | |
| 7 | 113-116 | 03 | |
| 8 | 120-127 | 07 | |
| 9 | 130-133 | 03 | |
| 10 | 136-148 | 12 | |
| 11 | 167-171 | 04 | |

11. Details of Lowered Assembly

| | |
|-----------------------------------|-----------------|
| i) 300 mm Dia Housing Pipe | :- 48.00 Meter |
| ii) 150 mm Dia M. S. Slotted pipe | :- 36.00 Meter |
| iii) 150 mm Dia M. S. Plain pipe | :- 65.00 Meter |
| iv) 200 x 150 mm Dia M S Reducer | :- 0.20 Meter |
| Total | :- 149.20 Meter |
| AGI | :- 00.50 Meter |
| BGL | :- 148.70 Meter |
| 12. Date of Lowering | :- 12.04.2022 |

Recommended

Verified by

Recommended by

Approved by

Prepared by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R) Lucknow

13th Division UP Jal Nigam (R) Lucknow

13th Division U.P Jal Nigam (R) Lucknow

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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:21-22:LS:14
 Dated: 07-04-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Dhakha
 Block: Paliya
 District: Lakhimpur Kheeri
 State: Uttar Pradesh
 Drilling depth: 175.0 m bgl
 Logging depth: 172.6 m bgl
 Date of logging: 07-04-2022

Tubewell Drilled By: NCC Limited, Lakhimpur Kheeri, 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:

| Sl. No. | Depth Range (m bgl) | Thickness (meters) | Remarks (Quality of aquifer water) |
|----------------|---------------------|--------------------|------------------------------------|
| 1. | 20 - 27 | 07 | Good |
| 2. | 32 - 35 | 03 | Good |
| 3. | 42 - 62 | 20 | Good |
| 4. | 66 - 69 | 03 | Good |
| 5. | 80 - 88 | 08 | Good |
| 6. | 92 - 109 | 17 | Good |
| 7. | 113 - 116 | 03 | Good |
| 8. | 120 - 127 | 07 | Good |
| 9. | 130 - 133 | 03 | Good |
| 10. | 136 - 148 | 12 | Good |
| 11. | 167 - 171 | 04 | Good |

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

Verified as per logs provided.

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

G.S.H.
 ASSISTANT HYDROGEOLOGIST
 06/ CANEIK MANDAL
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 PRAYAGRAJ

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