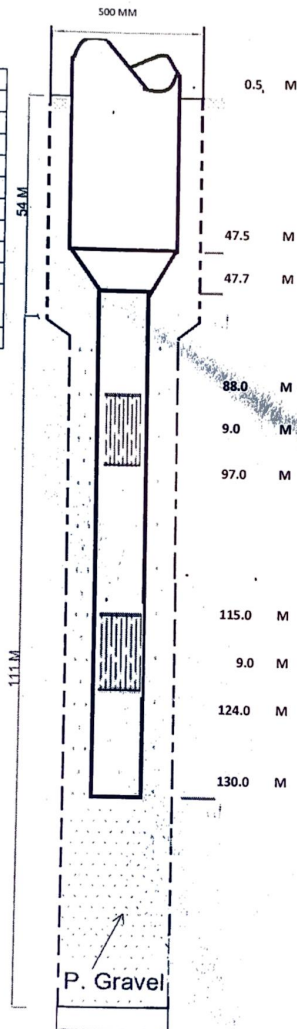


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Munda Buzurg, Block- Behjam, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-3
 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 :- 497/ED/Phase-3/2022-23/XIX, Dated 03.03.2023

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

| Strata | | |
|--------|-----|-------------------------|
| 51 | 5 | M, Surface Soil |
| 5 | 10 | M, Clay Kankar |
| 10 | 39 | M, Medium Sand |
| 39 | 51 | M, Clay Kankar |
| 51 | 65 | M, Medium Sand |
| 65 | 85 | M, Clay Kankar |
| 85 | 105 | M, Medium Sand |
| 105 | 111 | M, Clay Kankar |
| 111 | 129 | M, Medium Sand |
| 129 | 138 | M, Clay Kankar |
| 138 | 150 | M, Medium Sand & Kankar |
| 150 | 165 | M, Clay Kankar |



| ABSTRACT | | |
|----------|--------------------------|---------------|
| 1 | Type of Rig Machine | :- DC/RC |
| 2 | Static Water level | :- |
| 3 | Required Discharge | :- 430 LPM |
| 4 | Bore Size (MM) | :- 500 X 450 |
| 5 | Assembly Size (MM) | :- 200 X 150 |
| 6 | Drilling Starting Date | :- 21-11-2023 |
| 7 | Drilling Completion Date | :- 25-11-2023 |
| 8 | Total Depth Of Drilling | :- 165 M |
| 9 | Logging Date | :- 26-11-2023 |
| 10 | Logging Depth | :- 160 M |

| Logging Report | | | |
|----------------|--------------|---------------|----------|
| Sl No | Depth (mbgl) | Thickness (m) | Remarks |
| 1 | 51 65 | 14 | All Good |
| 2 | 85 105 | 20 | |
| 3 | 111 129 | 18 | |
| 4 | 138 150 | 12 | |

| 11 Details of Lowered Assembly | | | |
|--------------------------------|------------------|---------------------------|-----------------|
| i) | 200 | MM Dia Housing Pipe | :- 48.0 M |
| ii) | 150 | MM Dia M. S. Slotted pipe | :- 18.0 M |
| iii) | 150 | MM Dia M. S. Plain pipe | :- 64.3 M |
| iv) | 200 X | MM Dia M S Reducer | 0.2 M |
| | | Total | :- 130.50 Meter |
| | | AGL | :- 0.50 Meter |
| | | BGL | :- 130.00 Meter |
| 12 | Date of Lowering | | :- 27-11-2023 |

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R) Lucknow

Recommended by

A.E
13th Division UP Jal Nigam (R) Lucknow

Approved by

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUNDA BUZURG, BLOCK- BEHJAM, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 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 26.Nov.2023.

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 = 23.60 Ohms.

Drilling Water Resistivity = 24.43 Ohms.

Approx Water Level = 4 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|----------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 10 | 5 | Clay | |
| 3. | 10 - 39 | 29 | Medium sand | Good |
| 4. | 39 - 51 | 12 | Clay kankar | |
| 5. | 51 - 65* | 14 | Medium sand | Good |
| 6. | 65 - 85 | 20 | Clay kankar | |
| 7. | 85 - 105* | 20 | Medium sand | Good |
| 8. | 105 - 111 | 6 | Clay kankar | |
| 9. | 111 - 129* | 18 | Medium sand | Good |
| 10. | 129 - 138 | 9 | Clay kankar | |
| 11. | 138 - 150* | 12 | Medium sand & kankar | Good |
| 12. | 150 - 160 | 10 | Clay kankar | |

Ground Water Survey Consultancy

