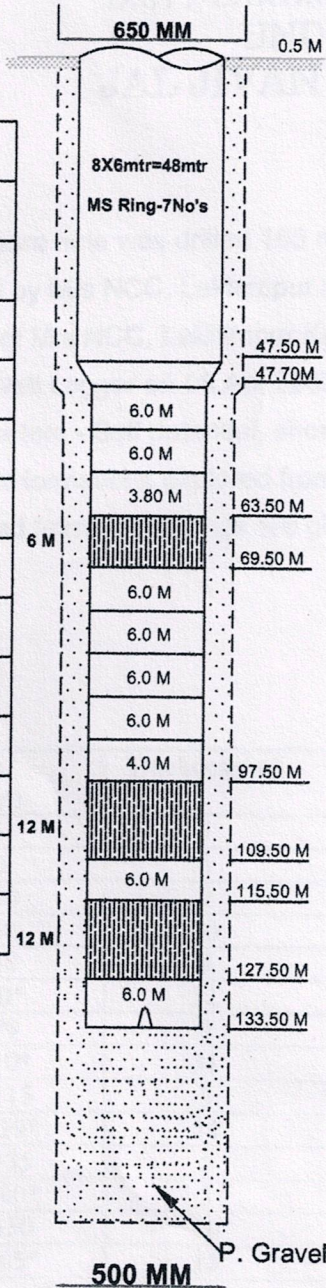


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Khanjan Nagar, Block-Mitauli, District, Lakhimpur Kheri.
Name of Program :- J.J.M-2
Name of client :- S.W.S.M. & U.P. AL NIGAM (R)
Name of Contractor :- M/S NCC Limited
Name of TPI :- Ceinsys Tech Limited
Cover Agreement :- 283/ED/Phase-2/2022-23/IX, Dated 03.01.2023
Lowered Assembly Chart of T. W of G.P. Khanjan Nagar, Block-Mitauli,

Strata

| |
|---------------------------------|
| 0-5 mtr Surface Soil |
| 5-11 mtr Fine Sand |
| 11-20 mtr Kankar |
| 20-30 mtr Medium Sand |
| 30-38 mtr Clay Kankar |
| 38-70 mtr Medium Sand |
| 70-79 mtr Clay Kankar |
| 79-110 mtr Medium Sand |
| 110-115 mtr Clay Kankar |
| 115-129 mtr Medium Sand |
| 129-135 mtr Clay Kankar |
| 135-140 mtr Fine to Medium Sand |
| 140-150 mtr Clay Kankar |
| 150-165 mtr Medium Sand |



| ABSTRACT | | |
|----------|--------------------------|--------------|
| 1 | Type of Rig Machine | :- DC Cum RC |
| 2 | Required Discharge | :- 1250 LPM |
| 3 | Bore Size (MM) | :- 650x500 |
| 4 | Assembly Size (MM) | :- 300 x 200 |
| 5 | Drilling Starting Date | :- 1.04.2023 |
| 6 | Drilling Completion Date | :- 7.04.2023 |
| 7 | Total Depth Of Drilling | :- 165M |
| 8 | Logging Date | :- 8.04.2023 |
| 9 | Logging Depth | :- 165M |

| Logging Report By Ground Water Investigation Center | | | | |
|---|--------------|---------------|--------------|---------|
| Sl.No | Depth (mbgl) | Thickness (m) | Lithology | Remarks |
| 1 | 38-70 | 32 | Medium Sand | Good |
| 2 | 79-110 | 31 | M.S & Kankar | Good |
| 3 | 115-129 | 14 | M.S & Kankar | Good |
| 4 | 135-140 | 5 | M.S & Kankar | Good |
| 5 | 150-165 | 15 | Medium Sand | Good |

(G.Shukla)
 Verified by Asst. Hydrologist
 Circle Office(E&M) U.P al
 Nigam (Rural)

(A.K Singh)
 Verified by Geophysicist
 GIC Lucknow.

| 11. Details of Lowered Assembly | |
|-----------------------------------|---------------|
| i) 300 mm Dia Housing Pipe | :- 48.0 Meter |
| ii) 200 mm Dia M. S. Slotted pipe | :- 30.00Meter |
| iii) 200 mm Dia M. S. Plain pipe | :- 55.80Meter |
| iv) 300 x 150 mm Dia M S Reducer | :- 0.20 Meter |
| Total :- 134.00 Meter | |
| AGI :- 00.50 Meter | |
| BGL :- 133.50 Meter | |
| 12. Date of Lowering | :- 10/04/23 |

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

J.E
 13th Division UP al
 Nigam (R) Lucknow

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHANJAN NAGAR, BLOCK- MITAULI,
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 08.April.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 = ~~24.78 Ohms.~~

Drilling Water Resistivity = ~~25.69 Ohms.~~

Approx Water Level = 2 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|----------------|-----------------------|---------------|-------------------------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 11 | 6 | Fine sand | |
| 3. | 11 - 20 | 9 | Kankar | |
| 4. | 20 - 30 | 10 | Medium sand | Good |
| 5. | 30 - 38 | 8 | Clay kankar | |
| 6. | 38 - 70* | 32 | Medium sand | Good |
| 7. | 70 - 79 | 9 | Clay kankar | |
| 8. | 79 - 110* | 31 | Medium sand & kankar | Good |
| 9. | 110 - 115 | 5 | Clay kankar | |
| 10. | 115 - 129* | 14 | Medium sand & kankar | Good |
| 11. | 129 - 135 | 6 | Clay kankar | |
| 12. | 135 - 140* | 5 | Fine to Medium sand | Good |
| 13. | 140 - 150 | 10 | Clay kankar | |
| 14. | 150 - 165* | 15 | Medium sand | Good |

- All zones are intermixed with thin bands of kankar

G.Sh
11/04/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.