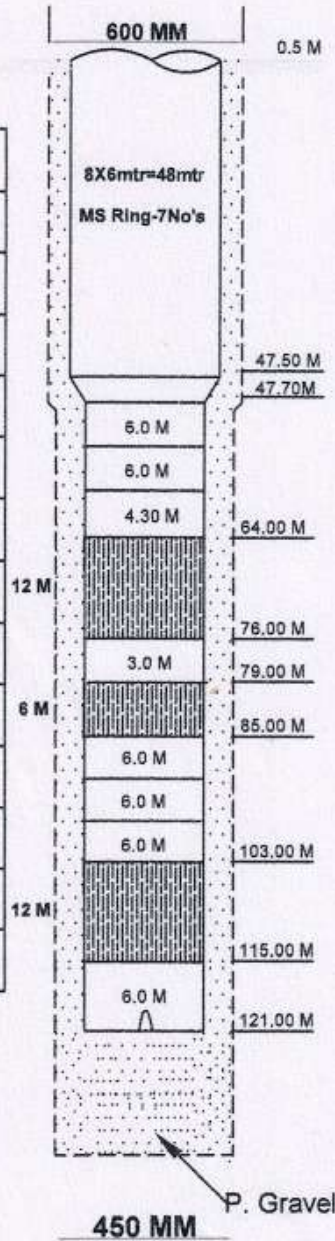


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Khagi-oel , Block-Behjam, 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 :- 492/ED/Phase-2/2022-23/XIII, Dated 03.03.2023
Lowered Assembly Chart of T. W of G.P. Khagi-oel , Block-Behjam,

Strata

| |
|-------------------------|
| 0-5 mtr Surface Soil |
| 5-8 mtr Clay |
| 8-25 mtr Medium Sand |
| 25-32 mtr Clay Kankar |
| 32-40 mtr Medium Sand |
| 40-48 mtr Clay Kankar |
| 48-59 mtr Medium Sand |
| 59-63 mtr Clay Kankar |
| 63-86 mtr Medium Sand |
| 86-96 mtr Clay Kankar |
| 96-120 mtr Medium Sand |
| 120-135 mtr Clay Kankar |
| 135-138 mtr Fine Sand |
| 138-165 mtr Clay Kankar |



| ABSTRACT | |
|----------|---------------------------------------|
| 1 | Type of Rig Machine :- DC Cum RC |
| 2 | Required Discharge :- 830 LPM |
| 3 | Bore Size (MM) :- 600x450 |
| 4 | Assembly Size (MM) :- 300 x 150 |
| 5 | Drilling Starting Date :- 2.04.2023 |
| 6 | Drilling Completion Date :- 8.04.2023 |
| 7 | Total Depth Of Drilling :- 165M |
| 8 | Logging Date :- 9.04.2023 |
| 9 | Logging Depth :- 165M |

| Logging Report By Ground Water Investigation Center | | | | |
|---|--------------|---------------|-------------|---------|
| Sl.No | Depth (mbgl) | Thickness (m) | Lithology | Remarks |
| 1 | 48-59 | 11 | Medium Sand | Good |
| 2 | 63-86 | 23 | Medium Sand | Good |
| 3 | 96-120 | 24 | 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) | 150 mm Dia M. S. Slotted pipe :- 30.00Meter |
| iii) | 150 mm Dia M. S. Plain pipe :- 43.30Meter |
| iv) | 300 x 150 mm Dia M S Reducer :- 0.20 Meter |
| | Total :- 121.50 Meter |
| | AGI :- 00.50 Meter |
| | BGL :- 121.00 Meter |
| 12. | Date of Lowering :- 10/04/23 |

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

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

Approved by

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- KHAGI OEL, BLOCK- BEHJAM,
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.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 = 24.40 Ohms.

Drilling Water Resistivity = 25.31 Ohms.

Approx Water Level = 3 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|--------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 8 | 3 | Clay | |
| 3. | 8 - 25 | 17 | Medium sand | Good |
| 4. | 25 - 32 | 7 | Clay kankar | |
| 5. | 32 - 40 | 8 | Medium sand | Good |
| 6. | 40 - 48 | 8 | Clay kankar | |
| 7. | 48 - 59* | 11 | Medium sand | Good |
| 8. | 59 - 63 | 4 | Clay kankar | |
| 9. | 63 - 86* | 23 | Medium sand | Good |
| 10. | 86 - 96 | 10 | Clay kankar | |
| 11. | 96 - 120* | 24 | Medium sand | Good |
| 12. | 120 - 135 | 15 | Clay kankar | |
| 13. | 135 - 138 | 3 | Fine sand | Good |
| 14. | 138 - 165 | 27 | Clay kankar | |

