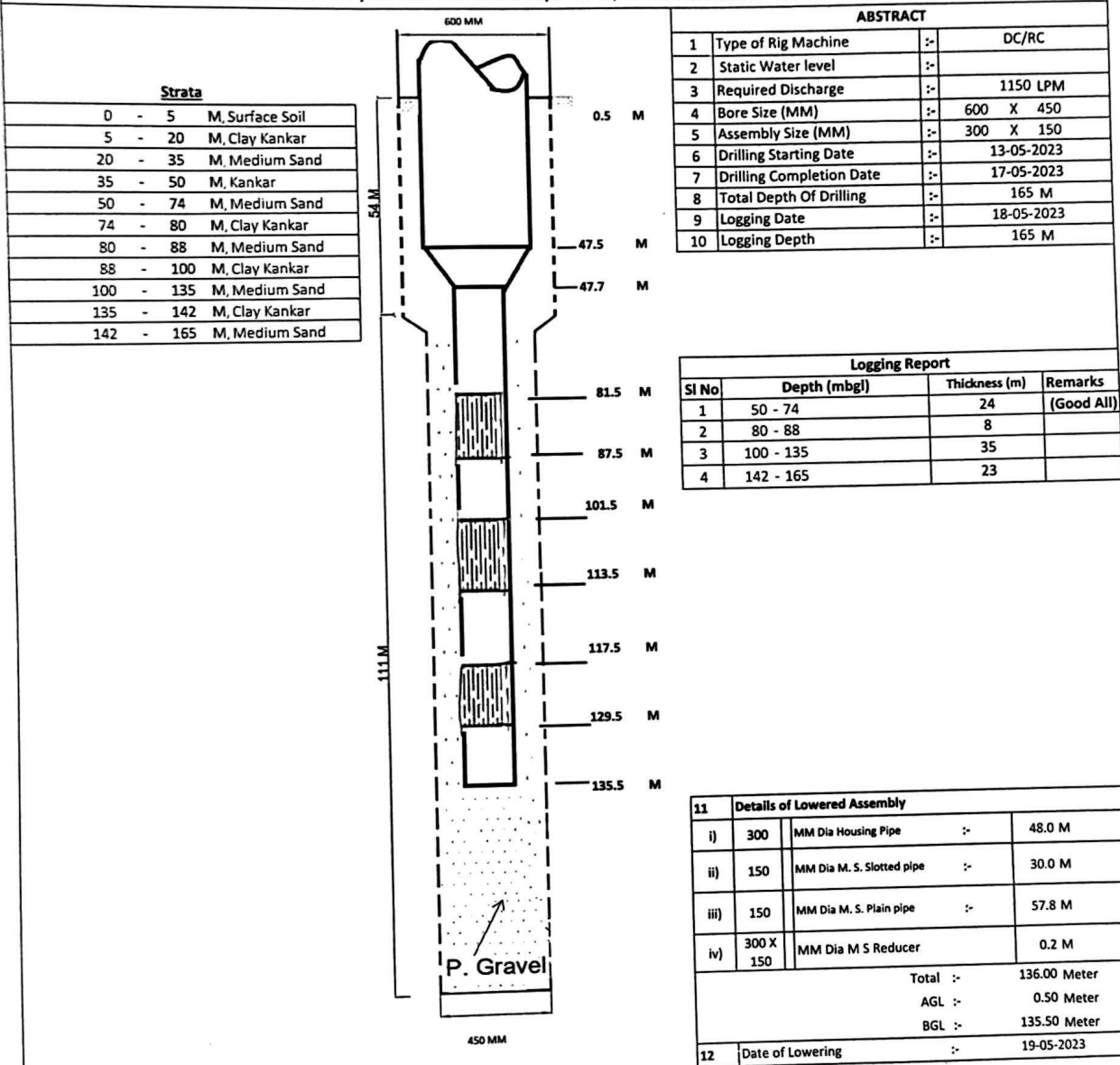


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Sankalpa, Block- Ramia Behar, 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 Dt. 12.03.2021  
 Cover Agreement :- 200/ED/2021-22/III Dt. 30 November, 2021

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



Recommended & Prepared by  
M/S. NCC Ltd.

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- WAJAH SANKALPA, BLOCK- RAMIYABEHAD  
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 16May.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 = 22.53 Ohms.

Drilling Water Resistivity = 23.62 Ohms.

Approx Water Level = 8 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology    | Expected Water Quality |
|-------|----------------|--------------|--------------|------------------------|
| 1.    | 0 - 5          | 5            | Surface soil |                        |
| 2.    | 5 - 20         | 15           | Clay kankar  |                        |
| 3.    | 20 - 35        | 15           | Medium sand  |                        |
| 4.    | 35 - 50        | 15           | Kankar       |                        |
| 5.    | 50 - 74*       | 24           | Medium sand  | Good                   |
| 6.    | 74 - 80        | 6            | Clay kankar  |                        |
| 7.    | 80 - 88*       | 8            | Medium sand  | Good                   |
| 8.    | 88 - 100       | 12           | Clay kankar  |                        |
| 9.    | 100 - 135*     | 35           | Medium sand  | Good                   |
| 10.   | 135 - 142      | 7            | Clay kankar  |                        |
| 11.   | 142 - 165*     | 23           | Medium sand  | Good                   |



- Logging performed as per  
ISRM guidelines.  
- Groundwater quality  
interpreted by firm  
as per their logger  
calibration  
9/5/23  
10/05/23