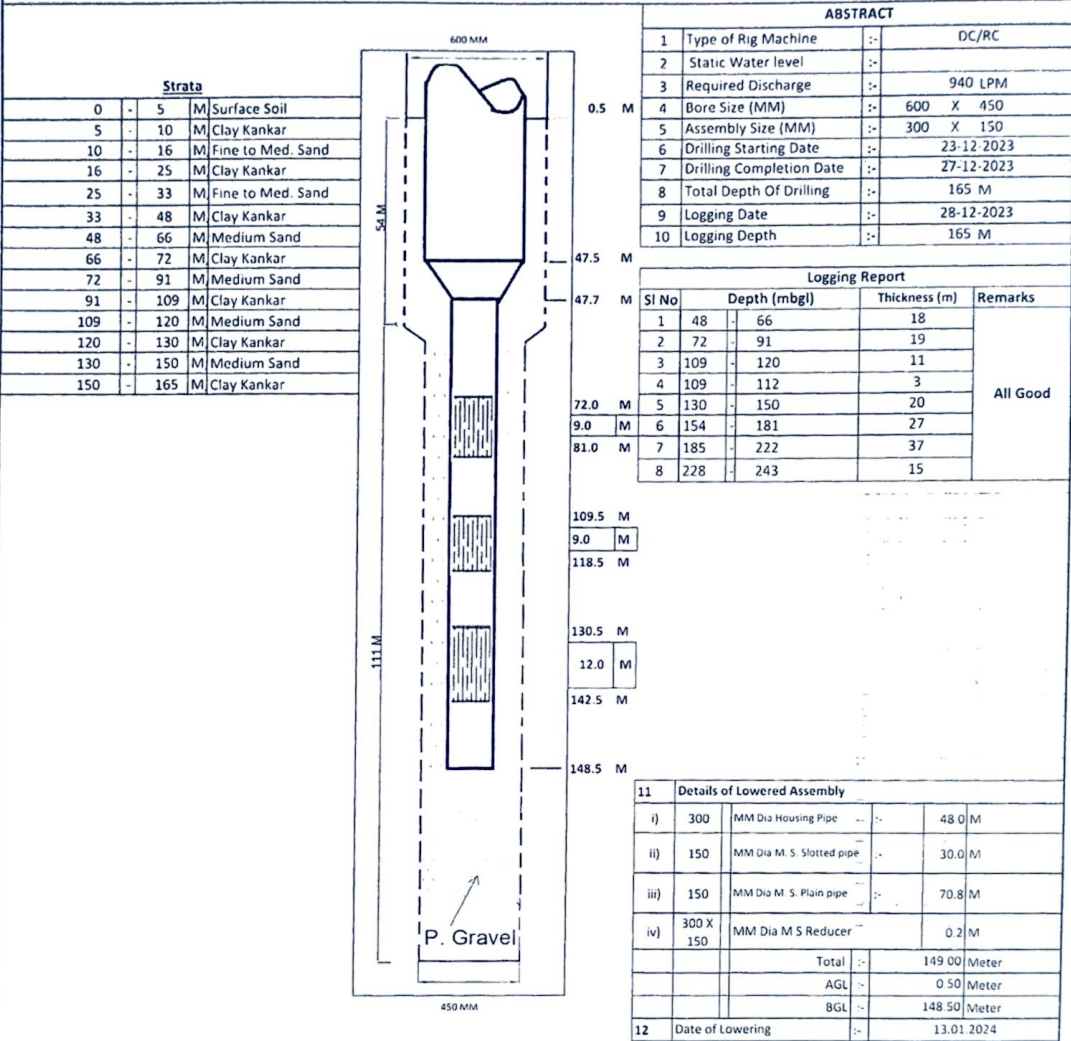


### Completion Plan Of Tubewell

**Name Of Work** :- Construction of T. W. of G.P. ATKOHANA, Block- Nakaha, District, Lakhimpur Kheri.  
**Name Of Program** :- J. J. M-2 zone - 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** :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

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



Recommended & Prepared by


Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

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

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ATKOHANA 2ND, BLOCK- NAKAHA,  
DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 275 mtrs. depth. and Logged depth 252 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 28.Dec.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 = 20.46 Ohms.

Drilling Water Resistivity = 21.62 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 - 10	5	Clay kankar	
3.	10 - 16	6	Fine to Medium sand	
4.	16 - 25	9	Clay kankar	
5.	25 - 33	8	Fine to Medium sand	Good
6.	33 - 48	15	Clay kankar	
7.	48 - 66*	18	Medium sand	Good
8.	66 - 72	6	Clay kankar	
9.	72 - 91*	9	Medium sand	Good
10.	91 - 109	18	Clay kankar	
11.	109 - 120*	11	Medium sand	Good
12.	120 - 130	10	Clay kankar	
13.	130 - 150*	20	Medium sand	Good
14.	150 - 154	4	Clay kankar	
15.	154 - 181*	27	Medium sand	Good
16.	181 - 185	4	Clay kankar	
17.	185 - 222*	37	Medium sand	Good
18.	222 - 228	6	Clay kankar	
19.	228 - 243*	15	Medium sand	Good
20.	243 - 252	9	Clay kankar	

Ground Water Survey Consultancy

