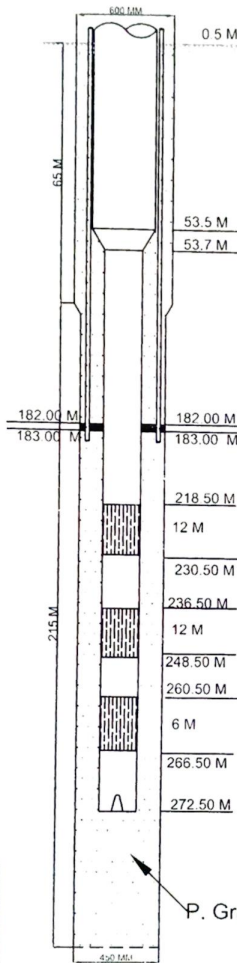


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Majhgaon Block-Palia, 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 Dated on 12.03.2021  
**Cover Agreement** :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023  
**Lowered Assembly Chart of T. W of G.P. of Majhgaon W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M, Surface soil
5-10 M, Clay Kankar
10-26 M, Fine to Med. Sand
26-50 M, Clay Kankar
50-84 M, Med Sand
84-90 M, Clay Kankar
90-107 M, Med. Sand, Kankar
107-115 M, Clay Kankar
115-141 M, Med. Sand, Kankar
141-150 M, Clay Kankar
150-163 M, Med. Sand
163-170 M, Clay Kankar
170-180 M, Med Sand
180-208 M, Clay Kankar
208-231 M, Med Sand
231-236 M, Clay Kankar
236-251 M, Med. Sand,
251-260 M, Clay Kankar
260-267 M, Med. Sand, Kankar
267-277 M, Clay Kankar
277-281 M, Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 1100 LPM
4	Bore Size (MM) :- 600x 450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 20.12.2023
7	Drilling Completion Date :- 24.12.2023
8	Total Depth Of Drilling :- 285 M
9	Logging Date :- 25.12.2023
10	Logging Depth :- 281 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-84	34	Fine to Medium Sand (Good All)
2	90-107	17	
3	115-141	26	
4	150-163	13	
5	170-180	10	
6	208-231	23	
7	236-251	15	
8	260-267	7	

Sr No	Description	Zone-1 (236-251 M)	Zone-2 (208-231 M)	Zone-3 (170-180 M)
1	Fluoride (as F <sup>-</sup> )	1.00 / 0.399	1.00 / 0.444	1.00 / 0.539
2	Iron (As Fe <sup>+</sup> )	1.00 / 0.320	1.00 / 0.980	1.00 / 2.020
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.010	0.01 / 0.016

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe - 54.00 Meter
ii)	150 mm Dia M. S Slotted pipe - 30.00 Meter
iii)	150 mm Dia M. S Plain pipe - 188.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total :- 273.00 Meter	
AGI :- 00.50 Meter	
BGL :- 272.50 Meter	
12.	90mm dia uPVC :- 184.5x2=369 Meter
13.	Date of Lowering :- 11.01.2024

Recommended  
&  
Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

Division Office (E/M)  
UP Jal Nigam (R)  
Lucknow

Division Office (E/M)  
UP Jal Nigam (R)  
Lucknow

Division Office (E/M) UP Jal  
Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- TIKONA FARM MAJHGAIN, BLOCK- PALIYA, DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 285 mtrs. depth. and Logged depth 281 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 25.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 = 20.43 Ohms.

Drilling Water Resistivity = 21.69 Ohms.

Approx Water Level = 5 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 - 26	16	Fine to Medium sand	
4.	26 - 50	24	Clay kankar	
5.	50 - 84*	34	Medium sand	Good
6.	84 - 90	6	Clay kankar	
7.	90 - 107*	17	Medium sand & kankar	Good
8.	107 - 115	8	Clay kankar	
9.	115 - 141*	26	Medium sand & kankar	Good
10.	141 - 150	9	Clay kankar	
11.	150 - 163*	13	Medium sand	Good
12.	163 - 170	7	Clay kankar	
13.	170 - 180*	10	Medium sand	Good
14.	180 - 208	28	Clay kankar	
15.	208 - 231*	23	Medium sand	Good
16.	231 - 236	5	Clay kankar	
17.	236 - 251*	15	Medium sand	Good
18.	251 - 260	9	Clay kankar	
19.	260 - 267*	7	Medium sand & kankar	Good
20.	267 - 277	10	Clay kankar	
21.	277 - 281	4	Medium sand	Good

Ground Water Survey Consultancy

