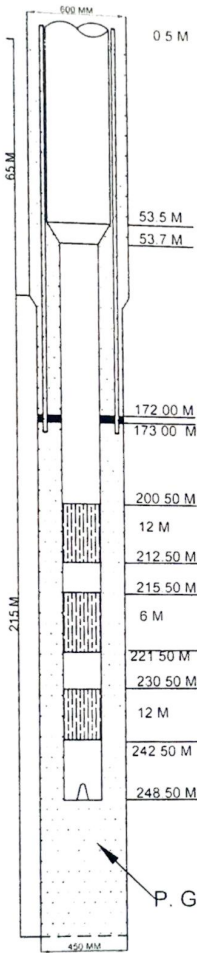


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Lakhahi 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 Dated on 12.03.2021  
**Cover Agreement** :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023  
**Lowered Assembly Chart of T. W of G.P Lakhahi W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M. Surface Clay
5-10 M. Fine Soil
10-20 M. Clay kankar
20-28 M. Medium Sand
28-30 M. Clay Kankar
30-80 M. Med Sand Kankar
80-85 M. Clay Kankar
85-102 M. Medium Sand
102-112 M. Clay Kankar
112-120 M. Fine to Med Sand
120-130 M. Clay Kankar
130-144 M. Med Sand, Kankar
144-159 M. Clay kankar
159-170 M. Fine to med Sand
170-187 M. Clay Kankar
187-222 M. Medium Sand
222-230 M. Clay Kankar
230-244 M. Medium Sand
244-249 M. Clay Kankar
249-252 M. Fine to Med Sand
252-270 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 1500 LPM
4	Bore Size (MM) - 600x500
5	Assembly Size (MM) - 300 x 200
6	Drilling Starting Date - 01 01 2024
7	Drilling Completion Date - 05 01 2024
8	Total Depth Of Drilling - 280 M
9	Logging Date - 06 01.2024
10	Logging Depth - 270 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	30-80	50	Fine to Medium Sand (Good All)
2	85-102	17	
3	112-120	08	
4	130-144	14	
5	159-170	11	
6	187-222	35	
7	230-244	14	

Sr No	Description	Zone-1 (230-244 M) Fluoride / (As Fe)	Zone-2 (187-222 M) Fluoride / (As Fe)	Zone-3 (159-170 M) Fluoride / (As Fe)
1	Fluoride (as F)	1.00 / 0.893	1.00 / 1.052	1.00 / 1.230
2	Iron (As Fe)	1.00 / 0.760	1.00 / 0.980	1.00 / 1.430
3	Total Arsenic (As As)	0.01 / 0.009	0.01 / 0.010	0.01 / 0.018

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 - 164.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 249.00 Meter	
AGI - 00.50 Meter	
BGL - 248.50 Meter	
12	90mm dia uPVC - 174.5x2=349 Meter
13	Date of Lowering - 18.12.2023

Recommended & Prepared by


Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

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

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

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- LAKHAHI, BLOCK- RAMIYABEHAD, DISTT-LAKHIMPUR KHIRI

UNDER

## JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 270 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 06.Jan.2024.

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 = 18.43 Ohms.

Drilling Water Resistivity = 19.69 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 - 10	5	Fine sand	
3.	10 - 20	10	Clay kankar	
4.	20 - 28	8	Medium sand	Good
5.	28 - 30	2	Clay kankar	
6.	30 - 80*	50	Medium sand & kankar	Good
7.	80 - 85	5	Clay kankar	
8.	85 - 102*	17	Medium sand	Good
9.	102 - 112	10	Clay kankar	
10.	112 - 120*	8	Fine to medium sand	Good
11.	120 - 130	10	Clay kankar	
12.	130 - 144*	14	Medium sand & kankar	Good
13.	144 - 159	15	Clay kankar	
14.	159 - 170*	11	Fine to medium sand & kan.	Good
15.	170 - 187	17	Clay kankar	
16.	187 - 222*	35	Medium sand	Good
17.	222 - 230	8	Clay kankar	
18.	230 - 244*	14	Medium sand	Good
19.	244 - 249	5	Clay kankar	
20.	249 - 252	3	Fine to medium sand	Good
21.	252 - 270	18	Clay kankar	

Ground Water Survey Consultancy  
Agra

