

## COMPLETION PLAN OF TUBEWELL

**Name of work**

:- Construction of T. W. of G.P. Ramia Behad Zone-2 Block-Ramia Behad, 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

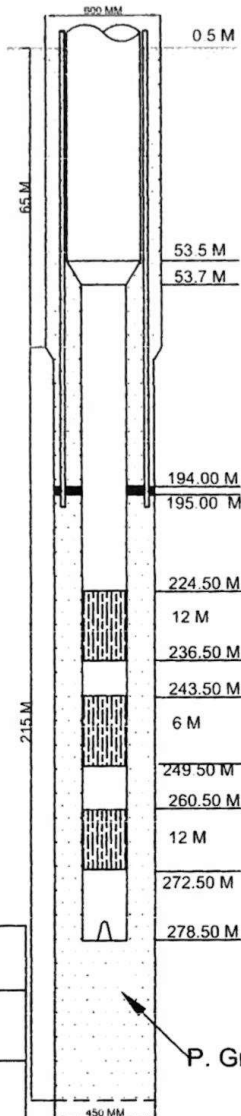
**Contract Agreement** :- 64/ED/2020-21 Dated on 12.03.2021

**Cover Agreement** :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

**Lowered Assembly Chart of T. W of Ramia Behad Zone-2 G.P W/S Scheme District :- Lakhimpur Kheri.**

**Strata**

0-5 M, Surface Clay
5-10 M, Clay Kankar
10-30 M, Fine to Med Sand
30-40 M, Clay Kankar
40-75M, Medium Sand
75-80 M, Clay Kankar
80-90 M, Medium Sand
90-103 M, Clay Kankar
103-116 M, Medium Sand
116-123 M, Clay Kankar
123-131 M, Fine Sand
131-136 M, Clay Kankar
136-150 M, Medium Sand
150-154 M, Clay Kankar
154-193 M, Medium Sand
193-200 M, Clay Kankar
200-237 M, Medium Sand
237-243 M, Clay Kankar
243-250 M, Medium Sand
250-252 M, Clay Kankar
252-256M, Fine to Med Sand
256-260 M, Clay Kankar
260-270 M, Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 1250 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 200
6	Drilling Starting Date :- 28.11.2023
7	Drilling Completion Date :- 02.12.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 03.12.2023
10	Logging Depth :- 275 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	40-75	35	Fine to Medium Sand (Good Ail)
2	103-116	13	
3	136-150	14	
4	154-193	39	
5	200-237	37	
6	243-250	07	
7	260-275	15	

Sr No	Description	Zone-1 (243-250 M) Fluoride (mg/l) Feas result	Zone-2 (200-237 M) Fluoride (mg/l) Feas result	Zone-3 (154-193 M) Fluoride (mg/l) Feas result
1	Fluoride (as F) <sup>+</sup>	1.00 / 0.365	1.00 / 0.435	1.00 / 0.487
2	Iron (As Fe) <sup>+</sup>	1.00 / 0.570	1.00 / 0.780	1.00 / 1.230
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.010	0.01 / 0.014

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 :- 194.80 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 279.00Meter	
AGI :- 00.50 Meter	
BGL :- 278.50 Meter	
12.	90mm dia uPVC :- 196.5x2=393 Meter
13.	Date of Lowering :- 12.12.2023

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

*[Signature]*  
J.E.  
Division Office (E/M)  
UP Jal Nigam (R)  
Lucknow

Approved by

*[Signature]*  
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- RAMIYABEHAD ZONE -2, BLOCK- RAMIYABEHAD,  
DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 275 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 03.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 = 20.09 Ohms.

Drilling Water Resistivity = 21.45 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 - 30	20	Fine to Medium sand	
4.	30 - 40	10	Clay kankar	
5.	40 - 75*	35	Medium sand	Good
6.	75 - 80	5	Clay kankar	
7.	80 - 90*	10	Medium sand	Good
8.	90 - 103	13	Clay kankar	
9.	103 - 116*	13	Medium sand	Good
10.	116 - 123	7	Clay kankar	
11.	123 - 131	8	Fine sand	Good
12.	131 - 136	5	Clay kankar	
13.	136 - 150*	14	Medium sand	Good
14.	150 - 154	4	Clay kankar	
15.	154 - 193*	39	Medium sand & kankar	Good
16.	193 - 200	7	Clay kankar	
17.	200 - 237*	37	Medium sand & kankar	Good
18.	237 - 243	6	Clay kankar	
19.	243 - 250*	7	Medium sand	Good
20.	250 - 252	2	Clay kankar	
21.	252 - 256	4	Fine to Medium sand	Good
22.	256 - 260	4	Clay kankar	
23.	260 - 275*	15	Medium sand	Good

Ground Water Survey Consultancy

