

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Ramlook Zone-1 Block- Dhaurahara 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

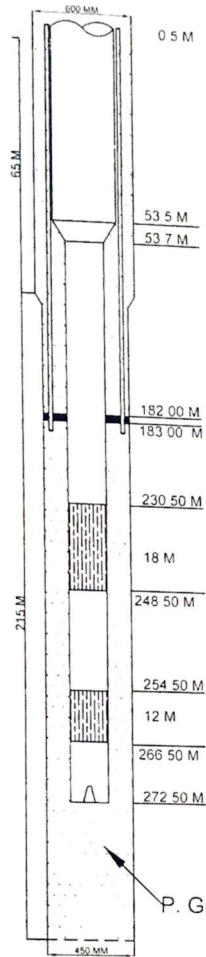
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023

Lowered Assembly Chart of T. W of G.Ramlook Zone-1 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Clay
5-25 M. Clay Kankar
25-70 M. Med Sand
70-77 M. Clay Kankar
77-90 M. Fine to Med Sand
90-96 M. Clay Kankar
96-118 M. Medium Sand
118-142 M. Clay Kankar
142-180 M. Med Sand, Kankar
180-188 M. Clay Kankar
188-222 M. Med Sand
222-230 M. Clay Kankar
230-175 M. Medium Sand
275-278 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 1100 LPM
4	Bore Size (MM) - 600x450
5	Assembly Size (MM) - 300 x 150
6	Drilling Starting Date - 21 12 2023
7	Drilling Completion Date - 25 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 26 12 2023
10	Logging Depth - 278 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	77-90	13	Fine to Medium Sand (Good All)
2	96-118	22	
3	142-180	38	
4	188-222	34	
5	230-275	45	

Sr No	Description	Zone-1 (230-275 M)	Zone-2 (188-222 M)	Zone-3 (142-180 M)
1	Fluoride (as F ⁻)	1.00 / 0.850	1.00 / 0.932	1.00 / 0.982
2	Iron (As Fe ⁺)	1.00 / 0.520	1.00 / 0.870	1.00 / 1.210
3	Total Arsenic (As As)	0.01 / 0.009	0.01 / 0.011	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 - 10 01 2024

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- RAMLOOK ZONE -1, BLOCK- DHAUREHRA, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 278 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 26.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 = 22.75 Ohms.

Drilling Water Resistivity = 23.19 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 - 25	20	Clay kankar	
3.	25 - 70	45	Medium sand	Good
4.	70 - 77	7	Clay kankar	
5.	77 - 90*	13	Fine to Medium sand	Good
6.	90 - 96	6	Clay kankar	
7.	96 - 118*	22	Medium sand	Good
8.	118 - 142	24	Clay kankar	
9.	142 - 180*	38	Medium sand & kankar	Good
10.	180 - 188	8	Clay kankar	
11.	188 - 222*	34	Medium sand	Good
12.	222 - 230	8	Clay kankar	
13.	230 - 275*	45	Medium sand	Good
14.	275 - 278	3	Clay kankar	

Ground Water Survey Consultancy

