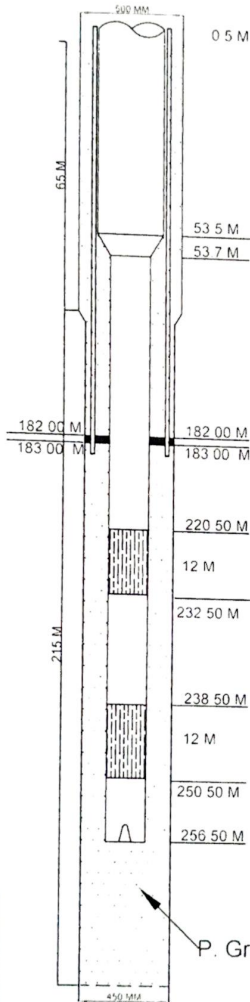


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Amritapur Block- Nakaha, 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 :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023
Lowered Assembly Chart of T. W of G.P. of Amritapur W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M	Surface soil
5-8 M	Clay kankar
8-37 M	Fine to Med Sand
37-46 M	Clay kankar
46-64 M	Medium Sand
64-73 M	Clay Kankar
73-105 M	Med Sand Kankar
105-110 M	Clay kankar
110-165 M	Medium Sand
165-170 M	Clay Kankar
170-180 M	Med Sand
180-186 M	Clay Kankar
186-190M	Fine to Med Sand
190-196 M	Clay Kankar
196-215 M	Med Sand
215-220 M	Clay Kankar
220-252 M	Med Sand
252-259 M	Clay Kankar
259-265 M	Med Sand



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 600 LPM
4	Bore Size (MM)	- 500x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 17 12 2023
7	Drilling Completion Date	- 21 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 22 12 2023
10	Logging Depth	- 265 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	46-64	18	Fine to Medium Sand (Good All)
2	73-105	32	
3	110-165	55	
4	170-180	10	
5	196-215	19	
6	220-252	32	
7	259-265	6	

Sr No	Description	Zone 1 (209-252 M)	Zone 2 (196-215 M)	Zone 3 (170-180 M)
1	Fluoride (As F)	1.00 / 0.494	1.00 / 0.522	1.00 / 0.595
2	Iron (As Fe)	1.00 / 0.597	1.00 / 0.766	1.00 / 1.100
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.009	0.01 / 0.014

P. Gravel

11. Details of Lowered Assembly

i)	300 mm Dia Housing Pipe	- 54.00 Meter	
ii)	150 mm Dia M. S Slotted pipe	- 24.00 Meter	
iii)	150 mm Dia M. S. Plain pipe	- 178.80 Meter	
iv)	900 x 150 mm Dia M S Reducer	- 0.20 Meter	
		Total	- 257.00 Meter
		AGI	- 00.50 Meter
		BGL	- 256.50 Meter
12	90mm dia uPVC	- 184.5x2=369 Meter	
13	Date of Lowering	- 30 12 2023	

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- AMRITAPUR, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 265 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 22.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 = 22.37 Ohms.

Drilling Water Resistivity = 23.65 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 - 8	3	Clay kankar	
3.	8 - 37	29	Fine to Medium sand	Good
4.	37 - 46	7	Clay kankar	
5.	46 - 61*	18	Medium sand	Good
6.	64 - 73	9	Clay kankar	
7.	73 - 105*	32	Medium sand & kankar	Good
8.	105 - 110	5	Clay kankar	
9.	110 - 165*	55	Medium sand	Good
10.	165 - 170	5	Clay kankar	
11.	170 - 180*	10	Medium sand	Good
12.	180 - 186	6	Clay kankar	
13.	186 - 190	4	Fine to Medium sand	Good
14.	190 - 196	6	Clay kankar	
15.	196 - 215*	19	Medium sand	Good
16.	215 - 220	5	Clay kankar	
17.	220 - 252*	32	Medium sand	Good
18.	252 - 259	7	Clay kankar	
19.	259 - 265*	6	Medium sand	Good

Ground Water Survey Consultancy

