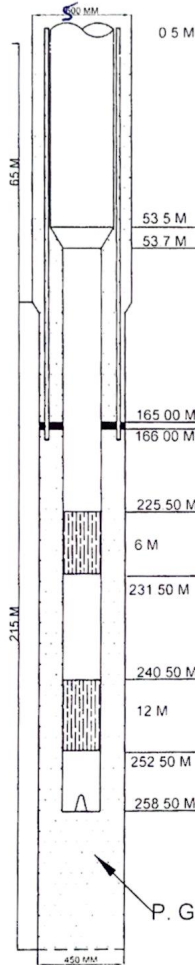


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. of Konia 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 :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023
Lowered Assembly Chart of T. W of G.P. of Konia W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Clay
5-20 M. Medium sand
20-30 M. Clay Kankar
30-72 M. Med Sand
72-75 M Kankar
75-90 M Med Sand
90-100 M Clay Kankar
100-122 M Medium Sand
122-140 M. Kankar Sand
140-163 M. Medium Sand
163-170 M Clay Kankar
170-217 M Med Sand Kankar
217-224 M Clay Kankar
224-233 M Medium Sand
233-240 M. Clay Kankar
240-260 M. Medium Sand
260-270 M. Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 300 LPM
4	Bore Size (MM)	- 500x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 11 12 2023
7	Drilling Completion Date	- 15 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 16 12 2023
10	Logging Depth	- 270 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	30-72	42	Fine to Medium Sand (Good All)
2	75-90	15	
3	100-122	22	
4	140-163	23	
5	170-217	47	
6	224-233	09	
7	240-260	20	

Sr No	Description	Zone-1 (240-260 M) Average Iron Concentration	Zone-2 (224-233 M) Average Iron Concentration	Zone-3 (170-217 M) Average Iron Concentration
1	Fluoride (as F ⁻)	1.00 / 0.455	1.00 / 0.592	1.00 / 0.648
2	Iron (As Fe ⁺)	1.00 / 0.540	1.00 / 0.790	1.00 / 0.670
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.007	0.01 / 0.013

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe	- 18.00 Meter	
iii) 150 mm Dia M. S. Plain pipe	- 186.80 Meter	
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter	
Total - 259.00 Meter		
AGI - 00.50 Meter		
BGL - 258.50 Meter		
12	90mm dia uPVC	- 167.5x2=335 Meter
13	Date of Lowering	- 22 12 2023

Recommended & Prepared by

M/S NCC Ltd.

Verified by

M/S Ceinsys Tech Ltd.

Recommended by

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

Approved by

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

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

Vinod Kumar
Assistant Engineer
Divisional Officer (E&M)
U.P. Jal Nigam (R)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KONIA, BLOCK- DHAUREHRA, 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 16.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 = 18.21 Ohms.

Drilling Water Resistivity = 19.74 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	Good
3.	20 - 30	10	Clay kankar	
4.	30 - 72*	42	Medium sand	Good
5.	72 - 75	3	Kankar	
6.	75 - 90*	15	Medium sand	Good
7.	90 - 100	10	Clay kankar	
8.	100 - 122*	22	Medium sand	Good
9.	122 - 140	18	Kankar sand	
10.	140 - 163*	23	Medium sand	Good
11.	163 - 170	7	Clay kankar	
12.	170 - 217*	47	Medium sand & kankar	Good
13.	217 - 224	7	Clay kankar	
14.	224 - 233*	9	Medium sand	Good
15.	233 - 240	7	Clay kankar	
16.	240 - 260*	20	Medium sand	Good
17.	260 - 270	10	Clay kankar	

Ground Water Survey Consultancy

