

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. ATKOHANA, 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

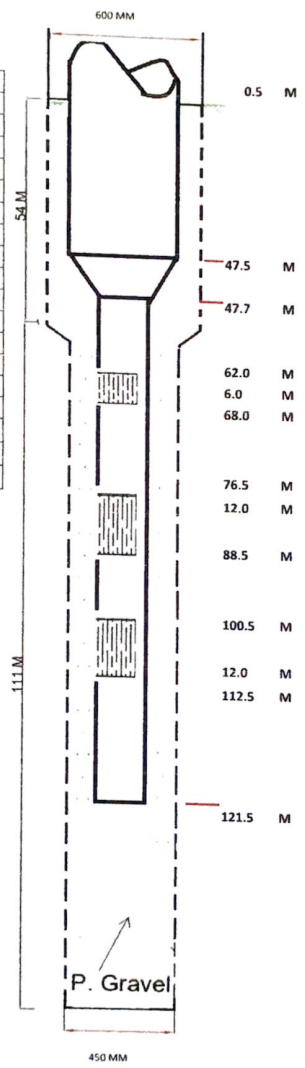
Name Of TPI :- Ceinsys Tech Limited

Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021

Cover Agreement :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

Lowered Assembly Chart of T. W of ATKOHANA G.P W/S Scheme District :- Lakhimpur Kheri.

Strata		
45 - 5	M, Surface Soil	
5 - 10	M, Clay Kankar	
10 - 18	M, Medium Sand	
18 - 25	M, Clay Kankar	
25 - 35	M, Fine To Medium Sand	
35 - 45	M, Clay Kankar	
45 - 55	M, Medium Sand	
55 - 62	M, Clay Kankar	
62 - 68	M, Medium Sand	
68 - 74	M, Clay Kankar	
74 - 89	M, Medium Sand	
89 - 97	M, Clay Kankar	
97 - 120	M, Fine To Medium Sand	
120 - 125	M, Clay Kankar	
125 - 127	M, Fine To Medium Sand	
127 - 150	M, Clay Kankar	
150 - 153	M, Medium Sand	
153 - 162	M, Clay Kankar	



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 990 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 27-01-2024
7	Drilling Completion Date	:- 31-01-2024
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 01-02-2024
10	Logging Depth	:- 162 M

Logging Report				
Sl No	Depth (mbgl)	Thickness (m)	Remarks	
1	45	55	10	All Good
2	62	68	6	
3	74	89	15	
4	97	120	23	
5	125	127	2	
6	150	153	3	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 30.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 43.3 M
iv)	300 X	MM Dia M S Reducer	0.2 M
		Total	:- 122.00 Meter
		AGL	:- 0.50 Meter
		BGL	:- 121.50 Meter
12	Date of Lowering	:- 13-01-2024	

Recommended & Prepared by: M/S. NCC Ltd.

Verified by: M/S. Ceinsys Tech Ltd.

Recommended by: A.E. 13th Division UP Jal Nigam (R) Lucknow

Approved by: E.E. 13th Division U.P. Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- ATKHONA, BLOCK- NAKAHA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 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 01.Feb.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 = 23.61 Ohms.

Drilling Water Resistivity = 24.09 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	Clay kankar	
3.	10 - 18	8	Medium sand	Good
4.	18 - 25	7	Clay kankar	
5.	25 - 35	10	Fine to Medium sand	Good
6.	35 - 45	10	Clay kankar	
7.	45 - 55*	10	Medium sand	Good
8.	55 - 62	7	Clay kankar	
9.	62 - 68*	6	Medium sand	Good
10.	68 - 74	6	Clay kankar	
11.	74 - 89*	15	Medium sand	Good
12.	89 - 97	8	Clay kankar	
13.	97 - 120*	23	Fine to Medium sand & kan	Good
14.	120 - 125	5	Clay kankar	
15.	125 - 127*	2	Fine to Medium sand	Good
16.	127 - 150	23	Clay kankar	
17.	150 - 153*	3	Medium sand	Good
18.	153 - 162	9	Clay kankar	

Ground Water Survey Consultancy

