

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. RANI NAGAR COLONY, MIRCHIA, Block- Palla, 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

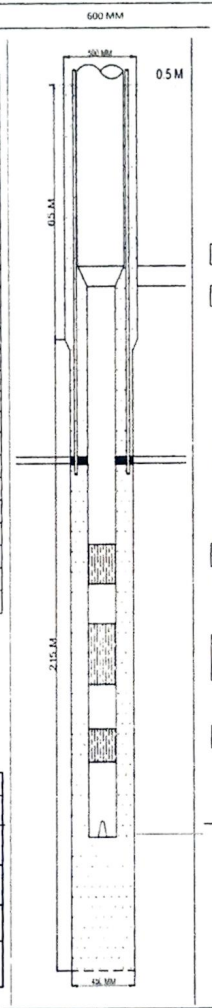
Name Of TPI :- Ceinsys Tech Limited

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 RANI NAGAR COLONY, MIRCHIA G.P W/S Scheme District :- Lakhimpur Kheri.

SI No	Strata				
1	0	-	5	M	Surface Soil
2	5	-	10	M	Dry Soil
3	10	-	30	M	Medium Sand
4	30	-	38	M	Clay Kankar
5	38	-	47	M	Medium Sand
6	47	-	61	M	Clay Kankar
7	61	-	95	M	Medium Sand
8	95	-	101	M	Clay Kankar
9	101	-	110	M	Medium Sand
10	110	-	118	M	Clay Kankar
11	118	-	130	M	Medium Sand
12	130	-	140	M	Clay Kankar
13	140	-	153	M	Medium Sand
14	153	-	145	M	Clay Kankar
15	164	-	173	M	Medium Sand
16	173	-	185	M	Clay Kankar
17	185	-	192	M	Medium Sand
18	192	-	145	M	Clay Kankar
19	204	-	220	M	Medium Sand
20	220	-	145	M	Clay Kankar
21	237	-	241	M	Medium Sand
22	241	-	260	M	Clay Kankar
23	260	-	265	M	Medium Sand
24	265	-	280	M	Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 950 LPM
4	Bore Size (MM) :- 600 X 450
5	Assembly Size (MM) :- 300 X 150
6	Drilling Starting Date :- 08-02-2024
7	Drilling Completion Date :- 12-02-2024
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 13-02-2024
10	Logging Depth :- 270 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	61 - 95	34	All Good
2	101 - 110	9	
3	118 - 130	12	
4	140 - 153	13	
5	164 - 173	9	
6	185 - 192	7	
7	204 - 220	16	
8	237 - 241	4	
9	260 - 265	5	

Description	Zone-1	Zone-2	Zone-3
	(204-220 M)	(185-192 M)	(164-173 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.393	1.00/0.432	1.00/562
Iron (As Fe)*	1.00/0.320	1.00/0.720	1.00/1.210
Total Arsenic (As As)*	0.01/0.007	0.01/0.010	0.01/0.015

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 Meter
ii)	150	MM Dia M S Slotted pipe	24.0 Meter
iii)	150	MM Dia M S Plain pipe	174.8 Meter
iv)	300 X 150	MM Dia M S Reducer	0.2 Meter
		Total	247.00 Meter
		AGL	0.50 Meter
		BGL	246.50 Meter
12	90	MM Dia UPVC	158.5 X 2 = 317 Meter
13		Date of Lowering	26.02.2024

Recommended & Prepared by: M/S. NCC Ltd. Verified by: M/S. Ceinsys Tech Ltd. Recommended by: M/S. Ceinsys Tech Ltd. Approved by: M/S. Ceinsys Tech Ltd.

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RANI NAGAR, BLOCK- PALIA, 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 13.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 = 29.03 Ohms.

Drilling Water Resistivity = 35.14 Ohms.

Approx Water Level = 2 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	Medium sand & kankar	Good
4.	30 - 38	8	Clay kankar	
5.	38 - 47	9	Medium sand	Good
6.	47 - 61	14	Clay kankar	
7.	61 - 95*	34	Medium sand	Good
8.	95 - 101	6	Clay kankar	
9.	101 - 110*	9	Medium sand	Good
10.	110 - 118	8	Clay kankar	
11.	118 - 130*	12	Medium sand	Good
12.	130 - 140	10	Clay kankar	
13.	140 - 153*	13	Medium sand	Good
14.	153 - 164	11	Clay kankar	
15.	164 - 173*	9	Medium sand	Good
16.	173 - 185	12	Clay kankar	
17.	185 - 192*	7	Medium sand	Good
18.	192 - 204	12	Clay kankar	
19.	204 - 220*	16	Medium sand	Good
20.	220 - 237	17	Clay kankar	
21.	237 - 241*	4	Medium sand	Good
22.	241 - 260	19	Clay kankar	
23.	260 - 265*	5	Medium sand	Good
24.	265 - 270	5	Clay kankar	

Ground Water Survey Consultancy

