

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Ramnagar Bagha Block- Ramia Behar, 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

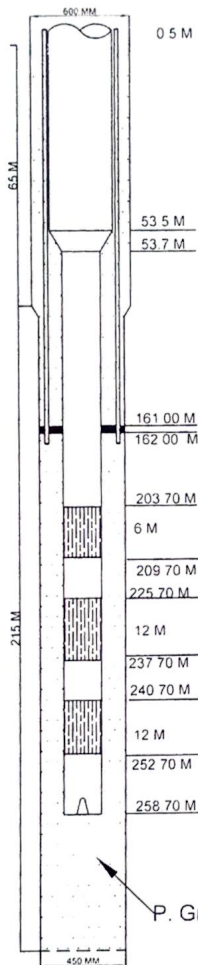
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

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

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

Strata

0-5 M. Surface soil
5-14 M. Clay Kankar
14-21 M. Med Sand
21-32 M. Clay Kankar
32-58 M. Med Sand.kankar
58-70 M. Clay Kankar
70-103 M. Med Sand.
103-110 M. Clay Kankar
110-132 M. Med Sand
132-148 M. Clay Kankar
148-160 M. Med Sand
160-170 M. Clay Kankar
170-195 M. Fine to Med Sand
195-200 M. Clay Kankar
200-210 M. Med Sand
210-225 M. Clay Kankar
225-253 M. Med Sand Kankar
253-258 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 1510 LPM
4	Bore Size (MM) - 600x500
5	Assembly Size (MM) - 300 x 200
6	Drilling Starting Date - 14 12 2023
7	Drilling Completion Date - 18 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 19 12 2023
10	Logging Depth - 262 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	70-103	33	Fine to Medium Sand (Good All)
2	110-132	22	
3	148-160	12	
4	170-195	25	
5	200-210	10	
6	225-253	28	

Sr No	Description	Zone 1 (225-253 M)		Zone 2 (170-195 M)		Zone 3 (148-160 M)	
		Fe	As	Fe	As	Fe	As
1	Fluoride (As F)	1.00 / 0.552	1.00 / 0.584	1.00 / 0.632			
2	Iron (As Fe)	1.00 / 0.320	1.00 / 0.490	1.00 / 1.320			
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.010	0.01 / 0.014			

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 - 175.00 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
	Total - 259.20 Meter
	AGI - 00.50 Meter
	BGL - 258.70 Meter
12.	90mm dia uPVC - 163.5x2=327 Meter
13.	Date of Lowering - 25 12 2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S Ceinsys Tech Ltd

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAMNAGAR BAGHA, BLOCK- RAMIYABEHAR,
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 262 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 19.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 = 19.30 Ohms.

Drilling Water Resistivity = 20.57 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 - 14	9	Clay kankar	
3.	14 - 21	7	Medium sand	Good
4.	21 - 32	11	Clay kankar	
5.	32 - 58	26	Medium sand & kankar	Good
6.	58 - 70	12	Clay kankar	
7.	70 - 103*	33	Medium sand	Good
8.	103 - 110	7	Clay kankar	
9.	110 - 132*	22	Medium sand	Good
10.	132 - 148	16	Clay kankar	
11.	148 - 160*	12	Medium sand	Good
12.	160 - 170	10	Clay kankar	
13.	170 - 195*	25	Fine to Medium sand & kan	Good
14.	195 - 200	5	Clay kankar	
15.	200 - 210*	10	Medium sand	Good
16.	210 - 225	15	Clay kankar	
17.	225 - 253*	28	Medium sand & kankar	Good
18.	253 - 265	12	Clay kankar	

Ground Water Survey Consultancy

