

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Katkusama Zone-1 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

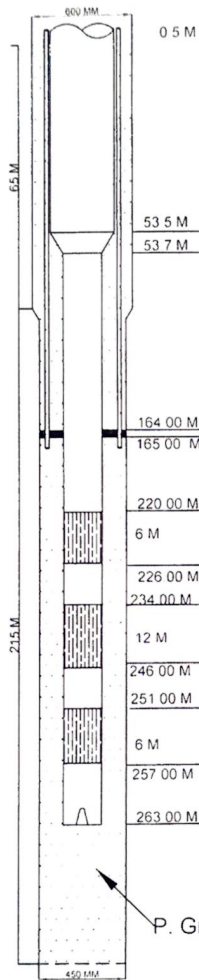
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023

Lowered Assembly Chart of T. W of G.P. of Katkusama Zone-1 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface soil
5-18 M. Clay Kankar
18-32 M. Med. Sand
32-51 M. Clay Kankar
51-60 M. Medium Sand
60-68 M. Clay Kankar
68-80 M. Medium Sand
80-90 M. Clay Kankar
90-100 M. Fine to Med. Sand
100-108 M. Clay Kankar
108-121 M. Med. Sand
121-126 M. Clay Kankar
128-145 M. Medium Sand
145-150 M. Clay Kankar
150-161 M. Med. Sand
161-180 M. Clay Kankar
180-200 M. Med. Sand.
200-205 M. Clay Kankar
205-227 M. Med. Sand.
227-234 M. Clay Kankar
234-246 M. Med. Sand.
246-251 M. Clay Kankar
251-264 M. Med. Sand.
264-280 M. Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 750 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 300 x 150
6	Drilling Starting Date	- 22 12 2023
7	Drilling Completion Date	- 26 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 27 12 2023
10	Logging Depth	- 270 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	51-60	09	Fine to Medium Sand (Good All)
2	68-80	12	
3	90-100	10	
4	108-121	13	
5	128-145	17	
6	250-161	11	
4	205-227	22	
5	234-246	12	
6	251-264	13	

Sr. No	Description	Zone 1 (236-246 M)	Zone 2 (205-227 M)	Zone 3 (180-200 M)
1	Fluoride (as F) ⁻	1.00 / 0.652	1.00 / 0.695	1.00 / 0.742
2	Iron (As Fe) ⁺	1.00 / 0.540	1.00 / 0.890	1.00 / 1.140
3	Total Arsenic (As As) ³⁺	0.01 / 0.006	0.01 / 0.009	0.01 / 0.012

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	- 185.30 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 263.50 Meter
AGI	- 00.50 Meter
BGL	- 263.00 Meter
12. 90mm dia uPVC	- 166.5x2=333 Meter
13. Date of Lowering	- 16.01.2024

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

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

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- KUTKUSAMA, BLOCK- NAKAHA, 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 27.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:-

Location = Kutkusama

Mud Resistivity = 21.70 Ohms.

Latitude = 27.85975°

Drilling Water Resistivity = 22.31 Ohms.

Longitude = 80.924816°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Clay kankar	
3.	18 - 32	14	Medium sand	
4.	32 - 51	19	Clay kankar	
5.	51 - 60*	9	Medium sand	Good
6.	60 - 68	8	Clay kankar	
7.	68 - 80*	12	Medium sand	Good
8.	80 - 90	10	Clay kankar	
9.	90 - 100*	10	Fine to Medium sand	Good
10.	100 - 108	8	Clay kankar	
11.	108 - 121*	13	Medium sand	Good
12.	121 - 128	7	Clay kankar	
13.	128 - 145*	17	Medium sand	Good
14.	145 - 150	5	Clay kankar	
15.	150 - 161*	11	Medium sand	Good
16.	161 - 180	19	Clay kankar	
17.	180 - 200*	20	Medium sand	Good
18.	200 - 205	5	Clay kankar	
19.	205 - 227*	22	Medium sand	Good
20.	227 - 234	7	Clay kankar	
21.	234 - 246*	12	Medium sand	Good
22.	246 - 251	5	Clay kankar	
23.	251 - 264*	13	Medium sand	Good
24.	264 - 270	6	Clay kankar	

Ground Water Survey Consultancy

