

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Kaluapur Zone-2 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

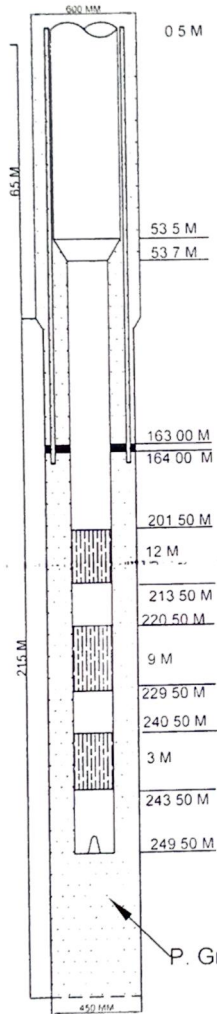
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

Lowered Assembly Chart of T. W of G.P. of Kaluapur Zone-2 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface soil
5-20 M. Clay Kankar
20-23 M. Fine Sand
23-30 M. Clay Kankar
30-40 M. Med. Sand
40-50 M. Clay Kankar
50-54 M. Fine to Med. Sand
54-62 M. Clay Kankar
62-83 M. Med. Sand
83-95 M. Clay Kankar
95-112 M. Med. Sand
112-130M. Clay Kankar
130-135 M. Medium Sand
135-140 M. Clay Kankar
140-150 M. Med. Sand
150-159 M. Clay Kankar
159-162 M. Fine to Med. Sand
162-171 M. Clay Kankar
171-193 M. Med. Sand
193-199 M. Clay Kankar
199-214 M. Med. Sand
214-220 M. Clay Kankar
220-230 M. Med. Sand, Kankr
230-240 M. Clay Kankar
240-244 M. Fine to Med. Sand
244-254 M. Clay Kankar
254-267 M. Med. Sand
267-280 M. Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 670 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 300 x 150
6	Drilling Starting Date	- 20.12.2023
7	Drilling Completion Date	- 11.01.2024
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 12.01.2024
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	62-83	21	Fine to Medium Sand (Good All)
2	95-112	17	
3	130-135	05	
4	140-150	10	
5	171-193	22	
6	199-214	15	
7	220-230	10	
8	240-244	04	
9	254-267	13	

Sl No	Description	Zone-1 (120-230 M)	Zone-2 (159-214 M)	Zone-3 (171-193 M)
1	Fluoride (as F ⁻)	1.00 / 0.485	1.00 / 0.518	1.00 / 0.563
2	Iron (As Fe ⁺)	1.00 / 0.850	1.00 / 0.890	1.00 / 1.180
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.009	0.01 / 0.011

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	- 171.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total - 250.00 Meter	
AGI - 00.50 Meter	
BGL - 249.50 Meter	
12. 90mm dia uPVC	- 165.5x2=331 Meter
13. Date of Lowering	- 23.01.2024

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- KALUAPUR, BLOCK- DHAURAHRA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 280 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 12.Jan.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 = 09.86 Ohms.

Drilling Water Resistivity = 18.10 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	Clay kankar	
3.	20 - 23	3	Fine sand	Good
4.	23 - 30	7	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 50	10	Clay kankar	
7.	50 - 54	4	Fine to Medium sand	Good
8.	54 - 62	8	Clay kankar	
9.	62 - 83*	21	Medium sand	Good
10.	83 - 95	12	Clay kankar	
11.	95 - 112*	17	Medium sand	Good
12.	112 - 130	18	Clay kankar	
13.	130 - 135*	5	Medium sand	Good
14.	135 - 140	5	Clay kankar	
15.	140 - 150*	10	Medium sand	Good
16.	150 - 159	9	Clay kankar	
17.	159 - 162	3	Fine to Medium sand	Good
18.	162 - 171	9	Clay kankar	
19.	171 - 193*	22	Medium sand	Good
20.	193 - 199	6	Clay kankar	
21.	199 - 214*	15	Medium sand	Good
22.	214 - 220	6	Clay kankar	
23.	220 - 230*	10	Medium sand & kankar	Good
24.	230 - 240	10	Clay kankar	
25.	240 - 244	4	Fine to Medium sand	Good
26.	244 - 254	10	Clay kankar	
27.	254 - 267*	13	Medium sand	Good
28.	267 - 280	13	Clay kankar	

Ground Water Survey Consultancy

Agra

