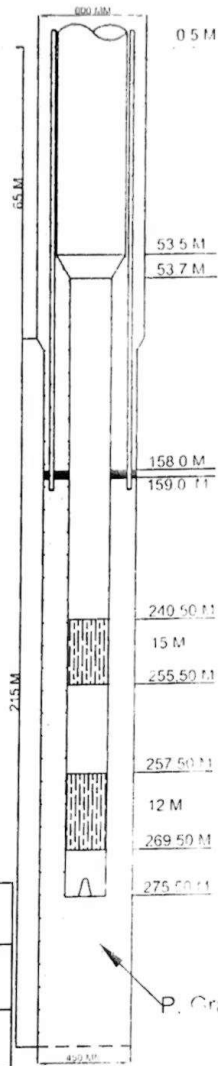


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G. P. Adlishpur Z-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 :- 464/ED/Phase-2/2022-23, Dt. 27.07.2023
Lowered Assembly Chart of T. W of Adlishpur Z-2 U.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Clay
5-10 M. Clay Kankar
10-20 M. Fine to Med. Sand
20-30 M. Clay Kankar
30-50 M. Medium Sand
50-58 M. Clay Kankar
58-65M Fine to Medium Sand
65-70 M. Clay Kankar
70-113 M. Medium Sand
113-132 M. Clay Kankar
132-156 M. Medium Sand
156-163 M. Clay Kankar
163-206 M. Medium Sand
206-240 M. Clay Kankar
240-270 M. Medium Sand
270-280 M. Clay Kankar



Sr No	Description	Zone-1 (240-270 M) As F / Fe	Zone-2 (163-206 M) As F / Fe	Zone-3 (132-156 M) As F / Fe
1	Fluoride (as F)	1.00 / 0.422	1.00 / 0.452	1.00 / 0.489
2	Iron (As Fe)	1.00 / 0.480	1.00 / 0.670	1.00 / 0.780
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.010	0.01 / 0.014

ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
	Rate of Discharge	- 1100 LPM
	Bore Size (MM)	- 600x450
	As Size (MM)	- 300 x 150
	Drilling Starting Date	- 05 12 2023
7	Drilling Completion Date	- 09 12 2023
	Total Depth Of Drilling	- 280 M
	Logging Date	- 10 12 2023
	Logging Depth	- 280 M

Logging Report

No	Depth (agl)	Thickness (m)	Remarks
1	53-65	07	Fine to Medium Sand (Good All)
2	65-113	43	
3	113-156	23	
4	156-206	43	
5	206-270	30	

Chart of Lowered Assembly

1	300 mm Dia M S Housing Pipe	- 54.00 Meter
2	150 mm Dia M S Slotted pipe	- 27.00 Meter
3	150 mm Dia M S Plain pipe	- 194.80 Meter
4	300 mm Dia M S Reducer	- 0.20 Meter
	Total	- 276.00 Meter
	AGI	- 00.50 Meter
	BGL	- 275.50 Meter
5	900 mm Dia VC	- 160.5x2=321 Meter
6	Logging	- 15 12 2023

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd

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

Checked by

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

Approved by

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ADLISHPUR ZONE -2, BLOCK- DHAUREHRA,
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 10.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 = 20.20 Ohms.

Drilling Water Resistivity = 21.33 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 - 20	10	Fine to medium sand	
4.	20 - 30	10	Clay kankar	
5.	30 - 50	20	Medium sand	Good
6.	50 - 58	8	Clay kankar	
7.	58 - 65*	7	Fine to medium sand	Good
8.	65 - 70	5	Clay kankar	
9.	70 - 113*	43	Medium sand	Good
10.	113 - 132	19	Clay kankar	
11.	132 - 156*	24	Medium sand	Good
12.	156 - 163	7	Clay kankar	
13.	163 - 206*	43	Medium sand & kankar	Good
14.	206 - 240	34	Clay kankar	
15.	240 - 270*	30	Medium sand	Good
16.	270 - 280	10	Clay kankar	

Ground Water Survey Consultancy

