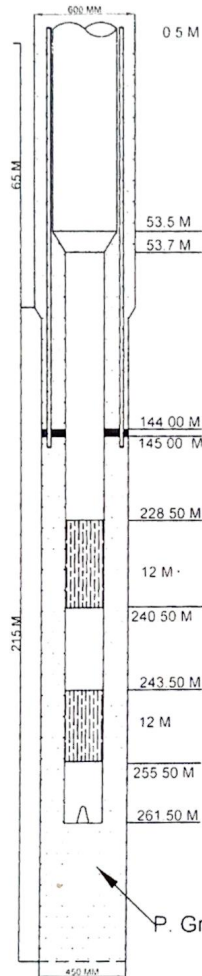


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Parsa 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023
Lowered Assembly Chart of T. W of G.P. of Parsa W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M	Surface soil
5-10 M	Clay Kankar
10-30 M	Med Sand
30-40 M	Clay Kankar
40-54 M	Medium Sand
54-80 M	Clay Kankar
80-90 M	Medium Sand
90-98 M	Clay Kankar
98-112 M	Med Sand
112-130 M	Clay Kankar
130-140 M	Med Sand
140-150 M	Clay Kankar
150-170 M	Medium Sand
170-173 M	Clay Kankar
173-223 M	Med Sand Kankar
223-228 M	Clay Kankar
228-256 M	Med Sand
256-260 M	Clay Kankar
260-270 M	Med Sand
270-285 M	Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 740 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 300 x 150
6	Drilling Starting Date	- 15 12 2023
7	Drilling Completion Date	- 19 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 20 12 2023
10	Logging Depth	- 270 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	80-90	10	Fine to Medium Sand (Good All)
2	98-112	14	
3	130-140	10	
4	150-170	20	
5	173-233	50	
6	228-256	28	
7	260-270	10	

Sr No	Description	Zone-1 (228-256 M) (Clay Kankar)	Zone-2 (173-223 M) (Med Sand)	Zone-3 (150-170 M) (Clay Kankar)
1	Fluoride (as F) ⁻	1.00 / 0.495	1.00 / 0.522	1.00 / 0.538
2	Iron (As Fe) ⁺	1.00 / 0.450	1.00 / 0.790	1.00 / 1.180
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.010	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	- 183.80 Meter
iv)	300 x 150 mm Dia M S Reducer	- 0.20 Meter
		Total - 262.00 Meter
		AGI - 00.50 Meter
		BGL - 261.50 Meter
12.	90mm dia uPVC	- 146.5x2=293 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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Division Office (E/M)
UP Jal Nigam (R)
Lucknow

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PARSA, BLOCK- DHAUREHRA, 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 20.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 = 21.80 Ohms.

Drilling Water Resistivity = 22.34 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 - 30	20	Medium sand	Good
4.	30 - 40	10	Clay kankar	
5.	40 - 54	14	Medium sand	Good
6.	54 - 80	26	Clay kankar	
7.	80 - 90*	10	Medium sand	Good
8.	90 - 98	8	Clay kankar	
9.	98 - 112*	14	Medium sand	Good
10.	112 - 130	18	Clay kankar	
11.	130 - 140*	10	Medium sand	Good
12.	140 - 150	10	Clay kankar	
13.	150 - 170*	20	Medium sand	Good
14.	170 - 173	3	Clay kankar	
15.	173 - 223*	50	Medium sand & kankar	Good
16.	223 - 228	5	Clay kankar	
17.	228 - 256*	28	Medium sand	Good
18.	256 - 260	4	Clay kankar	
19.	260 - 270*	10	Medium sand	Good
20.	270 - 272	2	Clay kankar	

Ground Water Survey Consultancy

