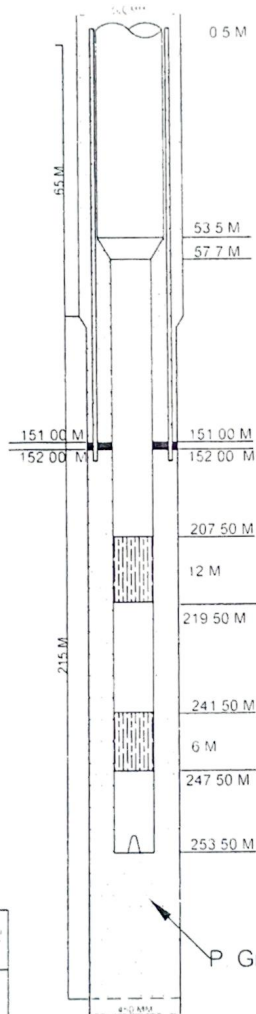


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Rudrapur Salim Block-Ishanagar, 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** :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023  
**Lowered Assembly Chart of T. W of G.P. of Rudrapur Salim W/S Scheme District** :- Lakhimpur Kheri.

### Strata

0-5 M	Surface soil
5-36 M	Clay kankar
36-67 M	Med Sand
67-75 M	Clay kankar
75-100 M	Fine Sand
100-105 M	Clay Kankar
105-120 M	Med Sand
120-130 M	Clay kankar
130-150 M	Fine to Med Sand
150-173 M	Clay Kankar
173-200 M	Med Sand
200-206 M	Clay Kankar
206-220 M	Med Sand, Kankar
220-240 M	Clay Kankar
240-250 M	Med Sand, Kankar
250-275 M	Clay Kankar



### ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 400 LPM
4	Bore Size (MM)	- 500x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 03 01 2024
7	Drilling Completion Date	- 07 01 2024
8	Total Depth Of Drilling	- 275 M
9	Logging Date	- 08 01 2024
10	Logging Depth	- 275 M

### Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	75-100	25	Fine to Medium Sand (Good All)
2	105-120	15	
3	130-150	20	
4	173-200	27	
5	206-220	14	
6	240-250	10	

### 11. Details of Lowered Assembly

i)	200 mm Dia Housing Pipe	- 54.00 Meter
ii)	150 mm Dia M S Slotted pipe	- 18.00 Meter
iii)	150 mm Dia M S Plain pipe	- 181.80 Meter
iv)	200 x 150 mm Dia M S Reducer	- 0.20 Meter
	Total	- 254.00 Meter
	AGI	- 00.50 Meter
	BGL	- 253.50 Meter
12.	90mm dia uPVC	- 153.5x2=307 Meter
13.	Date of Lowering	- 03 02 2024

Sr No	Description	Zone 1 (240-275 M)	Zone 2 (206-220 M)	Zone 3 (173-200 M)
1	Fluoride (As F <sup>-</sup> )	1.00 / 0.650	1.00 / 0.722	1.00 / 0.782
2	Iron (As Fe <sup>+</sup> )	1.00 / 0.320	1.00 / 0.750	1.00 / 1.090
3	Total Arsenic (As As <sup>+</sup> )	0.01 / 0.004	0.01 / 0.007	0.01 / 0.010

Recommended & Prepared by

Verified 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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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- RUDRAPUR SALIM, BLOCK- ISHANAGAR, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 275 mtrs. depth. and Logged depth 275 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 08.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 = 16.61 Ohms.

Drilling Water Resistivity = 17.22 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 36	31	Clay kankar	
3.	36 - 67	31	Medium sand & kankar	Good
4.	67 - 75	8	Clay kankar	
5.	75 - 100*	25	Medium sand	Good
6.	100 - 105	5	Clay kankar	
7.	105 - 120*	15	Medium sand & kankar	Good
8.	120 - 130	10	Clay kankar	
9.	130 - 150*	20	Medium sand	Good
10.	150 - 173	23	Clay kankar	
11.	173 - 200*	27	Medium sand & kankar	Good
12.	200 - 206	6	Clay kankar	
13.	206 - 220*	14	Medium sand	Good
14.	220 - 240	20	Clay kankar	
15.	240 - 250*	10	Fine to Medium sand & kan	Good
16.	250 - 275	25	Clay kankar	

Ground Water Survey Consultancy  
Agra

