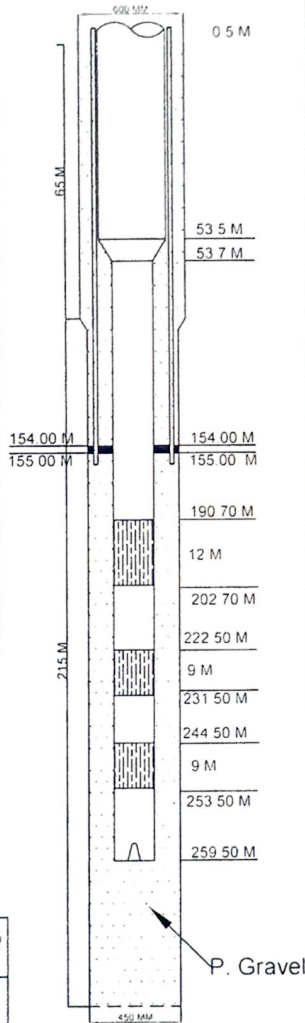


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Saidhari Zone-2 Block-Lakhimpur, District, Lakhimpur Kheri.  
**Name of Program** :- J. J. M-2  
**Name of client** :- S.W.S.M. & U.P. JAL NIGAM ( R) *fatehpur saidhari zone-2*  
**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** :- 993/ED/Phase-2/2023-24/XX, Dt. 30.08.2023  
**Lowered Assembly Chart of T. W of G.P. of Saidhari Zn-2 W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M. Surface Clay
5-37 M. Clay Kankar
37-39 M. Fine Sand
39-50 M. Clay Kankar
50-53 M. Medium Sand
53-70 M. Clay Kankar
70-83 M. Medium Sand
83-90 M. Clay Kankar
90-103 M. Med Sand.Kankar
103-109 M. Clay Kankar
109-129 M. Medium Sand
129-135 M. Clay Kankar
135-153 M. Med Sand
153-170 M. Clay Kankar
170-183 M. Med Sand. Kankar
183-190 M. Clay Kankar
190-204 M. Medium Sand
204-210 M. Clay Kankar
210-213 M. Medium Sand
213-222 M. Clay Kankar
222-232M. Medium Sand
232-244 M. Clay Kankar
244-256 M. Medium Sand
256-261 M. Clay Kankar



### ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 7.0 LPM
4	Bore Size (MM)	- 600x 450
5	Assembly Size (MM)	- 300 x 150
6	Drilling Starting Date	- 25.01.2024
7	Drilling Completion Date	- 31.01.2024
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 01.02.2024
10	Logging Depth	- 261 M

### Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-53	03	Fine to Medium Sand (Good All)
2	70-83	13	
3	90-103	13	
4	109-129	20	
5	135-153	18	
6	170-183	23	
7	190-204	24	
8	210-213	03	
9	222-232	10	
10	244-256	12	

Sr No	Description	Zone-1 (222-232 M) Thickness (m)	Zone-2 (190-204 M) Thickness (m)	Zone-3 (170-183 M) Thickness (m)
1	Fluoride (as F) <sup>-</sup>	1.00 / 0.432	1.00 / 0.652	1.00 / 0.785
2	Iron (As Fe) <sup>+</sup>	1.00 / 0.420	1.00 / 0.620	1.00 / 0.950
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.006	0.01 / 0.012

### 11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter	
ii) 200 mm Dia M. S. Slotted pipe	- 30.00 Meter	
iii) 200 mm Dia M. S. Plain pipe	- 175.80 Meter	
iv) 300 x 200 mm Dia M S Reducer	- 0.20 Meter	
Total: - 260.00 Meter		
AGI: - 00.50 Meter		
BGL: - 259.50 Meter		
12	90mm dia uPVC	- 156.5x2=313 Meter
13	Date of Lowering	- 24.02.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

*Ali*  
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UP Jal Nigam (R)  
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Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- FATEHPUR SAIDHARI, BLOCK- LAKHIMPUR, DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 261 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 01.Feb.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 = 23.72 Ohms.

Drilling Water Resistivity = 24.36 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 37	32	Clay kankar	
3.	37 - 39	2	Fine sand	Good
4.	39 - 50	11	Clay kankar	
5.	50 - 53*	3	Medium sand	Good
6.	53 - 70	17	Clay kankar	
7.	70 - 83*	13	Medium sand	Good
8.	83 - 90	7	Clay kankar	
9.	90 - 103*	13	Medium sand & kankar	Good
10.	103 - 109	6	Clay kankar	
11.	109 - 129*	20	Medium sand	Good
12.	129 - 135	6	Clay kankar	
13.	135 - 153*	18	Medium sand	Good
14.	153 - 170	17	Clay kankar	
15.	170 - 183*	23	Medium sand & kankar	Good
16.	183 - 190	7	Clay kankar	
17.	190 - 204*	24	Medium sand	Good
18.	204 - 210	6	Clay kankar	
19.	210 - 213*	3	Medium sand	Good
20.	213 - 222	9	Clay kankar	
21.	222 - 232*	10	Medium sand	Good
22.	232 - 244	12	Clay kankar	
23.	244 - 256*	12	Medium sand	Good
24.	256 - 261	5	Clay kankar	

Ground Water Survey Consultancy

