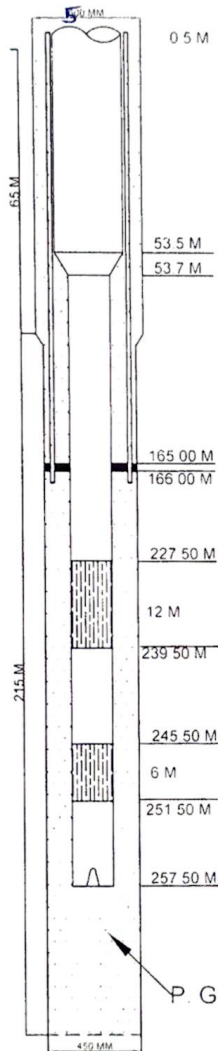


# COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. of Saraiya 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 Sarayan W/S Scheme District** :- Lakhimpur Kheri.

### Strata

0-5 M. Surface soil
5-10 M. Clay Kankar
10-15 M. Fine Sand
15-40 M. Clay Kankar
40-60 M. Med. Sand
60-65 M. Clay Kankar
65-81 M. Fine to med Sand
81-94 M. Clay Kankar
94-109 M. Med. Sand
109-120 M. Clay Kankar
120-163M Med Sand Kanakr
163-173 M. Clay Kankar
173-192 M. Medium Sand
192-202 M. Clay Kankar
202-220 M. Med Sand Kankar
220-227 M. Clay Kankar
227-262 M. Med. Sand.
262-280 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 420 LPM
4	Bore Size (MM) - 500x450
5	Assembly Size (MM) - 200 x 150
6	Drilling Starting Date - 22 12 2023
7	Drilling Completion Date - 26 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 27 12 2023
10	Logging Depth - 280 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	65-81	16	Fine to Medium Sand (Good All)
2	94-109	15	
3	120-163	43	
4	173-192	19	
5	202-220	18	
6	227-262	35	

Sr No	Description	Zone 1 (227-202 M) Fluoride (As F) mg/l	Zone 2 (202-220 M) Fluoride (As F) mg/l	Zone 3 (173-192 M) Fluoride (As F) mg/l
1	Fluoride (As F)*	1.00 / 0.891	1.00 / 0.925	1.00 / 1.200
2	Iron (As Fe)*	1.00 / 0.280	1.00 / 0.870	1.00 / 0.980
3	Total Arsenic (As As)	0.01 / 0.009	0.01 / 0.010	0.01 / 0.013

11. Details of Lowered Assembly	
i)	300 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 - 185.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 258.00 Meter	
AGL - 00.50 Meter	
BGL - 257.50 Meter	
12	90mm dia uPVC - 167.5x2=335 Meter
13	Date of Lowering - 06.01.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

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

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

**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- SARYA, 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 27.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:-

Location = Sarya

Latitude = 27.87084°

Longitude = 80.101097°

Mud Resistivity = 19.89 Ohms.

Drilling Water Resistivity = 20.63 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 - 15	5	Fine sand	
4.	15 - 40	25	Clay kankar	
5.	40 - 60	20	Medium sand	Good
6.	60 - 65	5	Clay kankar	
7.	65 - 81*	16	Fine to Medium sand	Good
8.	81 - 94	13	Clay kankar	
9.	94 - 109*	15	Medium sand	Good
10.	109 - 120	11	Clay kankar	
11.	120 - 163*	43	Medium sand & kankar	Good
12.	163 - 173	10	Clay kankar	
13.	173 - 192*	19	Medium sand	Good
14.	192 - 202	10	Kankar	
15.	202 - 220*	18	Medium sand & kankar	Good
16.	220 - 227	7	Clay kankar	
17.	227 - 262*	35	Medium sand	Good
18.	262 - 280	8	Clay kankar	

Ground Water Survey Consultancy

