

## COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Birsinghpur Zone-2 Block-Ishanagr, 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

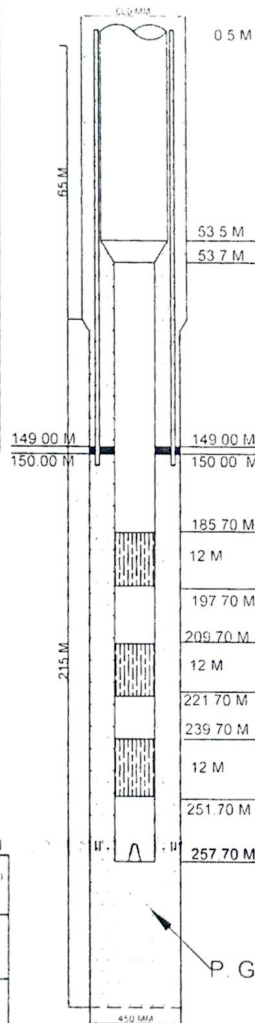
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023

Lowered Assembly Chart of T. W of G.P. of Birsinghpur Zn-2 W/S Scheme District :- Lakhimpur Kheri.

### Strata

0-5 M. Surface Clay
5-10 M. Clay Kankar
10-17 M. Fine to Med. Sand
17-25 M. Clay Kankar
25-30 M. Fine to Med. Sand
30-60 M. Clay Kankar
60-85 M. Med. Sand Kankar
85-92 M. Clay Kankar
92-108 M. Medium Sand
108-119 M. Clay Kankar
119-130 M. Medium Sand
130-135 M. Clay Kankar
135-148 M. Fine to Med. Sand
148-168 M. Clay Kankar
168-223 M. Medium Sand
223-236 M. Clay Kankar
236-260 M. Medium Sand



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 940 LPM
4	Bore Size (MM) - 600x 450
5	Assembly Size (MM) - 300 x 150
6	Drilling Starting Date - 14 01 2024
7	Drilling Completion Date - 18 01 2024
8	Total Depth Of Drilling - 280 M
9	Logging Date - 19 01 2024
10	Logging Depth - 260 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	60-85	25	Fine to Medium Sand (Good All)
2	92-108	16	
3	119-130	11	
4	135-148	13	
5	168-223	55	
6	236-260	24	

Sr No	Description	Zone 1 (236-250 M) (As Fe)	Zone 2 (168-223 M) (As Fe)
1	Fluoride (As F)	1 00 / 0 582	1 00 / 0 675
2	Iron (As Fe)	1 00 / 0 620	1 00 / 0 620
3	Total Arsenic (As As)	0 01 / 0 009	0 01 / 0 009

### Logging Report

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe - 54 00 Meter	
ii) 150 mm Dia M S Slotted pipe - 36 00 Meter	
iii) 300 mm Dia M S Plain pipe - 168 00 Meter	
iv) 300 x 150 mm Dia M S Reducer - 0 20 Meter	
Total - 258 20 Meter	
AGI - 00 50 Meter	
BGL - 257 70 Meter	
12 90mm dia uPVC - 151 5x2=303 Meter	
13 Date of Lowering - 23 02 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- BIRSINGHIPUR, BLOCK- ISHANAGAR, DISTT-LAKHIMPUR KHIRI**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 260 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 29.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:-

Location = Birsinghpur

Latitude = 28.8858216666667°

Longitude = 81.21100683333333°

Mud Resistivity = 36.28 Ohms.

Drilling Water Resistivity = 37.61 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 - 17	7	Fine to Medium sand	
4.	17 - 25	8	Clay kankar	
5.	25 - 30	5	Fine to Medium sand	Good
6.	30 - 60	30	Clay kankar	
7.	60 - 85*	25	Medium sand & kankar	Good
8.	85 - 92	7	Clay kankar	
9.	92 - 108*	16	Medium sand	Good
10.	108 - 119	11	Clay kankar	
11.	119 - 130*	11	Medium sand & kankar	Good
12.	130 - 135	5	Clay kankar	
13.	135 - 148*	13	Fine to Med sand & kan	Good
14.	148 - 168	20	Clay kankar	
15.	168 - 223*	55	Medium sand	Good
16.	223 - 236	13	Clay kankar	
17.	236 - 260*	24	Medium sand	Good

Ground Water Survey Consultancy

