

## COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. of Budha Budi Block- Ramia Bahar, 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

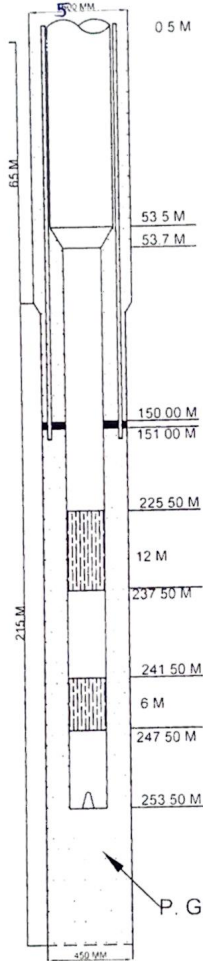
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

Lowered Assembly Chart of T. W of G.P. of Budha Budi W/S Scheme District :- Lakhimpur Kheri.

### Strata

0-5 M. Surface Clay
5-21 M Medium sand
21-26 M Clay Kankar
26-44 M Med Sand
44-50 M Kankar
50-74 M. Med Sand
74-82 M. Clay Kankar
82-117 M Medium Sand
117-128 M. Clay Kankar
128-148 M. Med Sand. Kankar
148-160 M Clay Kankar
160-190 M. Med Sand. Kankar
190-193 M Clay Kankar
193-200 M Medium Sand
200-225 M. Clay Kankar
225-250 M. Med Sand Kankar
250-280 M Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 500 LPM
4	Bore Size (MM) - 500x450
5	Assembly Size (MM) - 200 x 150
6	Drilling Starting Date - 11 12 2023
7	Drilling Completion Date - 15 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 16 12 2023
10	Logging Depth - 273 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-74	24	Fine to Medium Sand (Good All)
2	82-117	35	
3	128-148	20	
4	160-190	30	
5	193-200	07	
6	225-250	25	

Sl No	Description	Zone 1	Zone 2	Zone 3
		(225-250 M) No. of test / Test result	(193-200 M) No. of test / Test result	(160-190 M) No. of test / Test result
1	Fluoride (as F <sup>-</sup> )	1.00 / 0.548	1.00 / 0.679	1.00 / 0.729
2	Iron (As Fe <sup>+</sup> )	1.00 / 0.470	1.00 / 0.260	1.00 / 0.790
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.007	0.01 / 0.011

### 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 - 181.80 Meter
iv) 300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 254.00 Meter
ACI - 00.50 Meter
BGL - 253.50 Meter
12 90mm dia uPVC - 152.5x2=305 Meter
13 Date of Lowering - 23 12 2023

Recommended & Prepared by

M/S NCC Ltd.

Verified by

M/S Ceinsys Tech Ltd

Recommended by

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

Approved by

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- BUDHA BUDI, BLOCK- RAMIYABEHAR,  
DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 273 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 16.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 = 19.33 Ohms.

Drilling Water Resistivity = 20.12 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Medium sand	Good
3.	21 - 26	5	Clay kankar	
4.	26 - 44	18	Medium sand	Good
5.	44 - 50	6	Clay kankar	
6.	50 - 74*	24	Medium sand	Good
7.	74 - 82	8	Clay kankar	
8.	82 - 117*	35	Medium sand	Good
9.	117 - 128	11	Clay kankar	
10.	128 - 148*	20	Medium sand & kankar	Good
11.	148 - 160	12	Clay kankar	
12.	160 - 190*	30	Medium sand & kankar	Good
13.	190 - 193	3	Kankar	
14.	193 - 200*	7	Medium sand	Good
15.	200 - 225	25	Kankar sand	
16.	225 - 250*	25	Medium sand & kankar	Good
17.	250 - 273	23	Clay kankar	

Ground Water Survey Consultancy

