

## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Aggar Buzurg Block- Phool Behar, 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

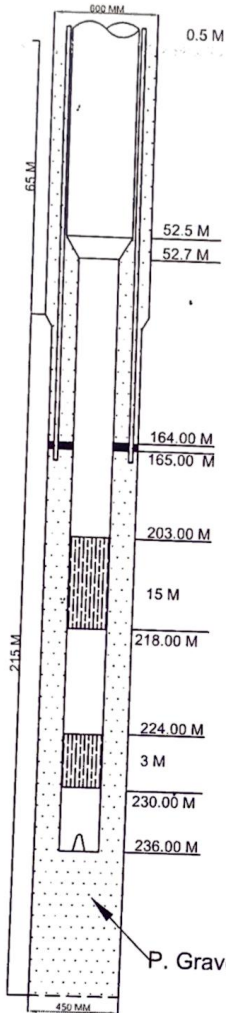
**Contract Agreement** :- 64/ED/2020-21 Dated on 12.03.2021

**Cover Agreement** :- 491/ED/Phase-2/2022-23/IVX, Dt. 03.03.2023

**Lowered Assembly Chart of T. W of G.P Aggar Buzurg W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M, Surface Clay
5-10 M, Clay Kankar
10-15 M, Fine to Med. Sand
15-23 M, Clay Kankar
23-30 M, Medium Sand
30-41 M, Clay Kankar
41-50 M, Medium Sand
50-60 M, Clay Kankar
60-90 M, Medium Sand
90-102 M, Clay Kankar
102-111 M, Med. Sand
111-120 M, Clay Kankar
120-150 M, Medium Sand
150-157 M, Clay Kankar
157-163 M, Fine to Med. Sand
163-176 M, Clay Kankar
176-193 M, Med. Sand,
193-203 M, Clay Kankar
2030-218 M, Med. Sand,
218-224 M, Clay Kankar
224-230 M, Med. sand
230-235 M, Clay Kankar
235-245 M, Kankar Sand
245-260 M, Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 750 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 25.12.2023
7	Drilling Completion Date :- 29.12.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 30.12.2023
10	Logging Depth :- 260 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	60-90	30	Fine to Medium Sand (Good All)
2	102-111	09	
3	120-150	30	
4	157-163	06	
5	176-293	17	
6	203-218	15	
7	224-230	06	

Sr. No	Description	Zone-1 (203-218 M) As per test result	Zone-2 (276-193 M) As per test result	Zone-3 (157-163 M) As per test result
1	Fluoride (as F)*	1.00 / 0.698	1.00 / 0.735	1.00 / 0.785
2	Iron (As Fe)*	1.00 / 0.760	1.00 / 1.210	1.00 / 2.670
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.009	0.01 / 0.012

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 53.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 18.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 165.30 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 236.50 Meter	
AGI :- 00.50 Meter	
BGL :- 236.00 Meter	
12. 90mm dia uPVC :- 166x2=332 Meter	
13. Date of Lowering :- 25.01.2024	

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

J.E.  
Division Office (E/M)  
UP Jal Nigam (R)  
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Division Office (E/M)  
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Division Office (E/M) UP Jal  
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# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- AGGAR BUJURG, BLOCK- PHOOLBEHAD, 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 30.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 = 18.20 Ohms.

Drilling Water Resistivity = 19.17 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 to medium sand	
4.	15 - 23	8	Clay kankar	
5.	23 - 30	7	Medium sand	Good
6.	30 - 41	11	Clay kankar	
7.	41 - 50	9	Medium sand	Good
8.	50 - 60	10	Clay kankar	
9.	60 - 90*	30	Medium sand	Good
10.	90 - 102	12	Clay kankar	
11.	102 - 111*	9	Medium sand	Good
12.	111 - 120	9	Clay kankar	
13.	120 - 150*	30	Medium sand	Good
14.	150 - 157	7	Clay kankar	
15.	157 - 163*	6	Fine to medium sand	Good
16.	163 - 176	13	Clay kankar	
17.	176 - 193*	17	Medium sand	Good
18.	193 - 203	10	Clay kankar	
19.	203 - 218*	15	Medium sand	Good
20.	218 - 224	6	Clay kankar	
21.	224 - 230*	6	Medium sand	Good
22.	230 - 235	5	Clay kankar	
23.	235 - 245	10	Kankar sand	
24.	245 - 260	15	Clay kankar	

Ground Water Survey Consultancy

