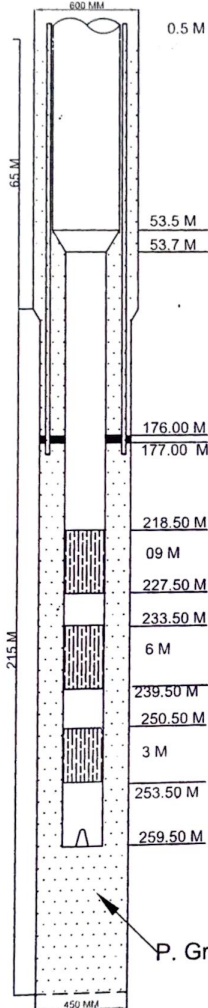


## COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Safipur 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023  
 Lowered Assembly Chart of T. W of G.P Safipur W/S Scheme District :- Lakhimpur Kheri.

### Strata

0-5 M, Surface Clay
5-14 M, Clay Kankar
14-20 M, Fine Sand
20-37 M, Clay Kankar
37-60 M, Medium Sand
60-65 M, Clay Kankar
65-70 M, Fine to Med. Sand
70-76 M, Clay Kankar
76-85 M, Medium Sand
85-96 M, Clay Kankar
96-112 M, Fine to Med. Sand
112-115 M, Clay Kankar
115-132 M, Medium Sand
132-137 M, Clay Kankar
137-158 M, Fine to Med. Sand
158-166 M, Clay Kankar
166-175 M, Med. Sand, kankar
175-180 M, Clay Kankar
180-212 M, Med. Sand, Kankar
212-217 M, Clay Kankar
217-228 M, Fine to Med. sand
228-233 M, Clay Kankar
233-241 M, Medium Sand
241-250 M, Clay Kankar
250-256 M, Fine to Med. Sand
256-260 M, Clay Kankar
260-267 M, Fine to Med. Sand



### ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 550 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 12.12.2023
7	Drilling Completion Date	:- 16.12.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 17.12.2023
10	Logging Depth	:- 267 M

### Logging Report

Sl.No	Depth (m bgl)	Thickness (m)	Remarks
1	96-112	16	Fine to Medium Sand (Good All)
2	115-132	17	
3	137-158	21	
4	166-175	09	
5	180-212	32	
6	217-228	11	
7	233-241	08	
8	250-256	06	
9	260-267	07	

Sr No	Description	Zone-1 (213-241 M) Average Conc. (mg/l)	Zone-2 (217-228 M) Average Conc. (mg/l)	Zone-3 (180-212 M) Average Conc. (mg/l)
1	Fluoride (as F) <sup>-</sup>	1.00 / 0.398	1.00 / 0.412	1.00 / 0.438
2	Iron (As Fe) <sup>+</sup>	1.00 / 0.620	1.00 / 0.890	1.00 / 0.420
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.005	0.01 / 0.012

### 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	:- 187.80 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total :- 260.00 Meter	
AGI :- 00.50 Meter	
BGL :- 259.50 Meter	
12. 90mm dia uPVC	:- 178x2=356 Meter
13. Date of Lowering	:- 25.12.2023

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)  
Lucknow

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

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

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

## GRAM PANCHAYAT- SAFIPUR D, BLOCK- PHOOLBEHAD, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 267 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 17.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 = 16.56 Ohms.

Drilling Water Resistivity = 17.49 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Clay kankar	
3.	14 - 20	6	Fine sand	
4.	20 - 37	17	Clay kankar	
5.	37 - 60*	23	Medium sand	Good
6.	60 - 65	5	Clay kankar	
7.	65 - 70*	5	Fine to medium sand	Good
8.	70 - 76	6	Clay kankar	
9.	76 - 85*	9	Medium sand	Good
10.	85 - 96	11	Clay kankar	
11.	96 - 112*	16	Fine to medium sand	Good
12.	112 - 115	3	Clay kankar	
13.	115 - 132*	17	Medium sand	Good
14.	132 - 137	5	Clay kankar	
15.	137 - 158*	21	Fine to medium sand	Good
16.	158 - 166	8	Clay kankar	
17.	166 - 175*	9	Medium sand & kankar	Good
18.	175 - 180	5	Clay kankar	
19.	180 - 212*	32	Medium sand & kankar	Good
20.	212 - 217	5	Clay kankar	
21.	217 - 228*	11	Fine to medium sand	Good
22.	228 - 233	5	Clay kankar	
23.	233 - 241*	8	Medium sand	Good
24.	241 - 250	9	Clay kankar	
25.	250 - 256*	6	Fine to medium sand	Good
26.	256 - 260	4	Clay kankar	
27.	260 - 267*	7	Fine to medium sand	Good

Ground Water Survey Consultancy

