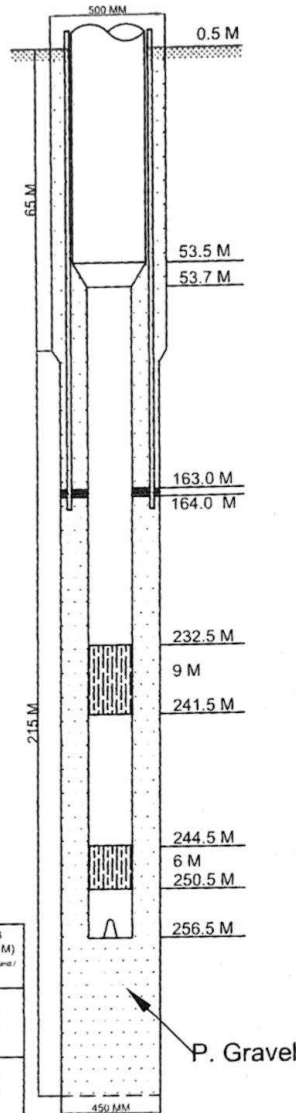


## COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. BAZUDIH, Block-Nakaha,  
 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 BAZUDIH G.P W/S Scheme District :- Lakhimpur Kheri.

### Strata

0-5 M, Surface Clay
5-15 M, Clay Kankar
15-35 M, Medium Sand
35-44 M, Clay Kankar
44-60 M, Medium Sand
60-63 M, Clay Kankar
63-74 M, Medium Sand
74-86 M, Clay Kankar
86-90 M, Fine to Medium Sand
90-98 M, Clay Kankar
98-110 M, Medium Sand & Kankar
110-120 M, Clay Kankar
120-161 M, Medium Sand & Kankar
161-170 M, Clay Kankar
170-175 M, Medium Sand & Kankar
175-186 M, Clay Kankar
186-206 M, Medium Sand & Kankar
206-210 M, Clay Kankar
210-227 M, Medium Sand & Kankar
227-232 M, Clay Kankar
232-251 M, Medium Sand
251-258 M, Clay Kankar
258-270 M, Sandy Clay
270-280 M, Sandy Clay



### ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 440 LPM
4	Bore Size (MM)	:- 500x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 22.11.2023
7	Drilling Completion Date	:- 26.11.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 27.11.2023
10	Logging Depth	:- 258 M

### Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	44-60	16	Fine to Medium Sand (Good All)
2	63-74	11	
3	98-110	12	
4	120-161	41	
5	170-175	5	
6	186-206	20	
7	210-227	17	
8	232-251	19	

### 11. Details of Lowered Assembly

i) 200 mm Dia Housing Pipe	:- 54.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 15.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 187.3 Meter
iv) 200 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 257.0 Meter
AGI	:- 00.50 Meter
BGL	:- 256.50 Meter
12. 90mm dia uPVC	:- 165.5 x 2 = 331.0 Meter
13. Date of Lowering	:- 02.12.2023

Sr. No	Description	Zone-1 (232-251 M) Fluoride Limit / Test result	Zone-2 (210-227 M) Fluoride Limit / Test result	Zone-3 (186-206 M) Fluoride Limit / Test result
1	Fluoride (as F)*	1.00 / 0.475	1.00 / 0.532	1.00 / 0.562
2	Iron (As Fe)*	1.00 / 0.650	1.00 / 1.200	1.00 / 1.520
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.012	0.01 / 0.014

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- BAZUDEEH, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 258 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.Nov.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 = 23.09 Ohms.

Drilling Water Resistivity = 24.19 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 - 15	10	Clay kankar	
3.	15 - 35	20	Medium sand	Good
4.	35 - 44	9	Clay kankar	
5.	44 - 60*	16	Medium sand	Good
6.	60 - 63	3	Clay kankar	
7.	63 - 74*	11	Medium sand	Good
8.	74 - 86	12	Clay kankar	
9.	86 - 90	4	Fine to Medium sand	Good
10.	90 - 98	8	Clay kankar	
11.	98 - 110*	12	Medium sand & kankar	Good
12.	110 - 120	10	Clay kankar	
13.	120 - 161*	41	Medium sand & kankar	Good
14.	161 - 170	9	Clay kankar	
15.	170 - 175*	5	Fine to Medium sand	Good
16.	175 - 186	11	Clay kankar	
17.	186 - 206*	20	Medium sand & kankar	Good
18.	206 - 210	4	Clay kankar	
19.	210 - 227*	17	Medium sand & kankar	Good
20.	227 - 232	5	Clay kankar	
21.	232 - 251*	19	Medium sand	Good
22.	251 - 258	7	Clay kankar	

Ground Water Survey Consultancy

