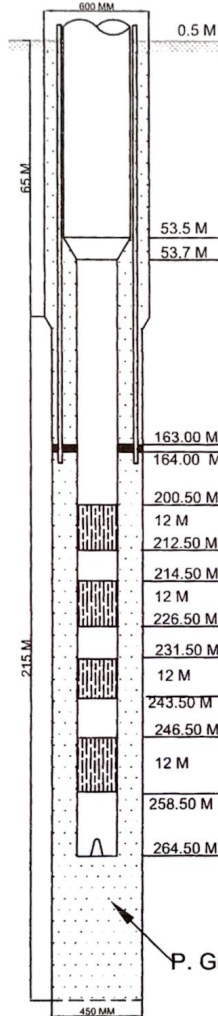


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M, Surface Clay
5-22 M, Clay Kankar
22-40 M, Fine to Med. Sand
40-65 M, Clay Kankar
65-80 M, Medium Sand
80-85 M, Clay Kankar
85-90 M, Med. Sand
90-99 M, Clay Kankar
99-112 M, Medium Sand
112-120 M, Clay Kankar
120-161 M, Medium Sand
161-189 M, Clay Kankar
189-193 M, fine to Med. Sand
193-200 M, Clay Kankar
200-227 M, Med. Sand Kankar
227-231M, Clay Kankar
231-260 M, Med. Sand
260-271 M, Clay Kankar



Sr. No	Description	Zone-1	Zone-2	Zone-3
		(231-260 M) Porosity (%) Test result	(200-227 M) Porosity (%) Test result	(120-161 M) Porosity (%) Test result
1	Fluoride (as F) ⁻	1.00 / 0.435	1.00 / 0.585	1.00 / 0.624
2	Iron (As Fe) ⁺	1.00 / 0.180	1.00 / 0.410	1.00 / 0.750
3	Total Arsenic (As As)	0.01 / 0.009	0.01 / 0.010	0.01 / 0.013

ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 1800 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x200
6	Drilling Starting Date :- 20.12.2023
7	Drilling Completion Date :- 24.12.2023
8	Total Depth Of Drilling :- 275 M
9	Logging Date :- 25.12.2023
10	Logging Depth :- 271 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	65-80	15	Fine to Medium Sand (Good All)
2	85-90	05	
3	99-112	13	
4	121-161	41	
5	200-227	27	
6	231-260	29	

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 54.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 48.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 162.80 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 266.00 Meter	
AGI :- 00.50 Meter	
BGL :- 264.50 Meter	
12. 90mm dia uPVC :- 165x2=330 Meter	
13. Date of Lowering :- 07.01.2024	

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)
 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- RAJAPUR, BLOCK- LAKHIMPUR, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 275 mtrs. depth. and Logged depth 271 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 25.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 = 18.27 Ohms.

Drilling Water Resistivity = 19.41 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Clay kankar	
3.	22 - 40	18	Fine to Medium sand	
4.	40 - 65	25	Clay kankar	
5.	65 - 80*	15	Medium sand	Good
6.	80 - 85	5	Clay kankar	
7.	85 - 90*	5	Medium sand	Good
8.	90 - 99	9	Clay kankar	
9.	99 - 112*	13	Medium sand	Good
10.	112 - 120	8	Clay kankar	
11.	120 - 161*	41	Medium sand	Good
12.	161 - 189	28	Clay kankar	
13.	189 - 193	4	Fine to Medium sand	Good
14.	193 - 200	7	Clay kankar	
15.	200 - 227*	27	Medium sand & kankar	Good
16.	227 - 231	4	Clay kankar	
17.	231 - 260*	29	Medium sand	Good
18.	260 - 271	11	Clay kankar	

Ground Water Survey Consultancy

