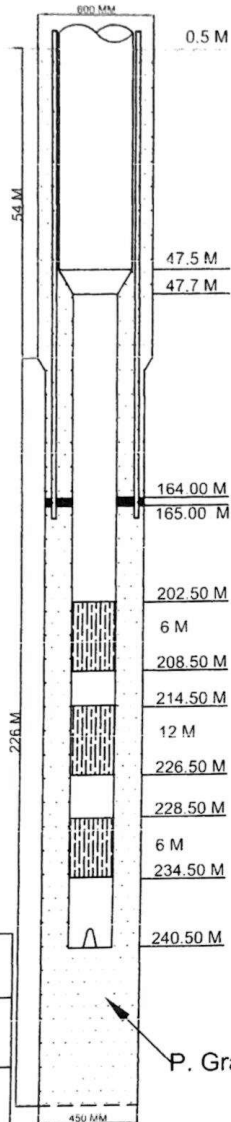


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M. Surface Clay
5-12 M. Clay Kankar
12-31 M. Medium Sand
31-48 M. Clay Kankar
48-78M. Med. Sand.Kankar
78-89 M. Clay Kankar
89-91 M. Fine Sand
91-100 M. Clay Kankar
100-110 M. Fine to Med. Sand
110-120 M. Clay Kankar
120-148 M. Medium Sand
148-152 M. Clay Kankar
152-162 M. Medium Sand
162-170 M. Clay Kankar
170-184 M. Medium Sand
184-201 M. Clay Kankar
201-209M. Fine to Med. Sand
209-214 M. Clay Kankar
214-235M. Med. Sand,Kankar
235-247 M. Clay Kankar
247-250 M. Fine Sand
250-265 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 780 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 05.12.2023
7	Drilling Completion Date :- 09.12.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 10.12.2023
10	Logging Depth :- 247 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	48-78	30	Fine to Medium Sand (Good All)
2	100-110	10	
3	120-148	28	
4	152-162	10	
5	170-184	14	
6	201-209	08	
7	214-235	21	

Sr No	Description	Zone-1 (214-235 M) As Fe (mg/l)	Zone-2 (201-209 M) As Fe (mg/l)	Zone-3 (170-184 M) As Fe (mg/l)
1	Fluoride (as F) ⁻	1.00 / 0.498	1.00 / 0.520	1.00 / 0.554
2	Iron (As Fe) ⁺	1.00 / 0.580	1.00 / 0.840	1.00 / 1.110
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.010	0.01 / 0.015

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 48.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 24.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 168.80 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 241.00Meter	
AGI :- 00.50 Meter	
BGL :- 240.50 Meter	
12. 90mm dia uPVC :- 166.5x2=333 Meter	
13. Date of Lowering :- 23.12.2023	

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

[Signature]
J.E.
Division Office (E/M)
UP Jal Nigam (R)
Lucknow

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SIRAICHA, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 247 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 10.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 = 19.57 Ohms.

Drilling Water Resistivity = 20.33 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 - 12	7	Clay kankar	
3.	12 - 31	19	Medium sand	Good
4.	31 - 48	17	Clay kankar	
5.	48 - 78*	30	Medium sand & kankar	Good
6.	78 - 89	11	Clay kankar	
7.	89 - 91	2	Fine sand	Good
8.	91 - 100	9	Clay kankar	
9.	100 - 110*	10	Fine to medium sand	Good
10.	110 - 120	10	Clay kankar	
11.	120 - 148*	28	Medium sand	Good
12.	148 - 152	4	Clay kankar	
13.	152 - 162*	10	Medium sand	Good
14.	162 - 170	8	Clay kankar	
15.	170 - 184*	14	Medium sand	Good
16.	184 - 201	17	Clay kankar	
17.	201 - 209*	8	Fine to medium sand	Good
18.	209 - 214	5	Clay kankar	
19.	214 - 235*	21	Medium sand & kankar	Good
20.	235 - 247	12	Clay kankar	

Ground Water Survey Consultancy

