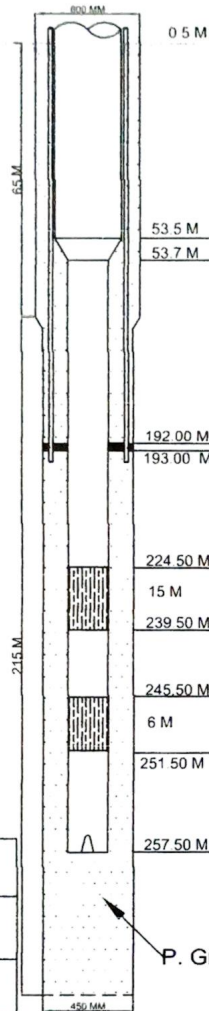


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M. Surface Clay
5-10 M. Clay Kankar
10-20 M. Fine to Med. Sand
20-26 M. Clay Kankar
26-42 M. Med. Sand, Kanakar
42-50 M. Clay Kankar
50-60 M. Medium Sand
62-80 M. Clay Kankar
80-91 M. Medium Sand
91-103 M. Clay Kankar
103-122 M. Fine Sand
122-130 M. Clay Kankar
130-138 M. Fine to Med. Sand
138-145 M. Clay Kankar
145-153 M. Medium Sand
153-160 M. Clay Kankar
160-177 M. Med. Sand, kankar
177-186 M. Clay Kankar
186-190 M. Fine to Med. Sand
190-206 M. Clay Kankar
206-216 M. Medium Sand
216-224 M. Clay Kankar
224-240 M. Medium Sand
240-245 M. Clay Kankar
245-255 M. Fine to Med. Sand
255-265 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 450 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 200 x 150
6	Drilling Starting Date :- 08.10.2023
7	Drilling Completion Date :- 12.10.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 13.10.2023
10	Logging Depth :- 265 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	103-122	19	Fine to Medium Sand (Good All)
2	130-138	08	
3	145-153	08	
4	160-177	17	
5	206-216	10	
6	224-240	16	
7	245-255	10	

Sr No	Description	Zone-1 (224-247 M) Analytical Lab. (As Fe)	Zone-2 (206-216 M) Analytical Lab. (As Fe)	Zone-3 (160-177 M) Analytical Lab. (As Fe)
1	Fluoride (as F) ⁻	1.00 / 0.565	1.00 / 0.550	1.00 / 0.478
2	Iron (As Fe) ⁺	1.00 / 0.780	1.00 / 1.680	1.00 / 0.600
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.008	0.01 / 0.010

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 54.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 21.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 182.80 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 258.00 Meter	
AGI :- 00.50 Meter	
BGL :- 257.50 Meter	
12. 90mm dia uPVC :- 194x2=388 Meter	
13. Date of Lowering :- 24.10.2023	

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

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- SEMARAI, BLOCK- LAKHIMPUR, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 265 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 13.Oct.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 = 21.32 Ohms.

Drilling Water Resistivity = 22.27 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 - 10	5	Clay kankar	
3.	10 - 20	10	Fine to Medium sand	
4.	20 - 26	6	Clay kankar	
5.	26 - 42	16	Medium sand & kankar	Good
6.	42 - 50	8	Clay kankar	
7.	50 - 62*	12	Medium sand	Good
8.	62 - 80	18	Clay kankar	
9.	80 - 91*	11	Medium sand	Good
10.	91 - 103	12	Clay kankar	
11.	103 - 122*	19	Medium sand	Good
12.	122 - 130	8	Clay kankar	
13.	130 - 138*	8	Fine to Medium sand & kan	Good
14.	138 - 145	7	Clay kankar	
15.	145 - 153*	8	Medium sand	Good
16.	153 - 160	7	Clay kankar	
17.	160 - 177*	17	Medium sand & kankar	Good
18.	177 - 186	9	Clay kankar	
19.	186 - 190	4	Fine to Medium sand	Good
20.	190 - 206	16	Clay kankar	
21.	206 - 216*	10	Medium sand	Good
22.	216 - 224	8	Clay kankar	
23.	224 - 240*	16	Medium sand & kankar	Good
24.	240 - 245	5	Clay kankar	
25.	245 - 255	10	Fine to Medium sand & kan	Good
26.	255 - 265	10	Clay kankar	

Ground Water Survey Consultancy

