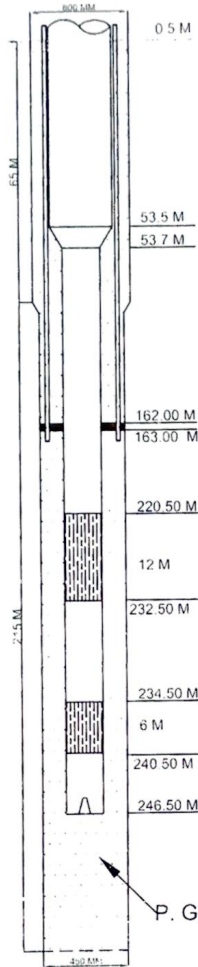


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Gadaniya Block- Palia, 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 :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023
Lowered Assembly Chart of T. W of G.P Gadaniya W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M Surface Clay
5-8 M Clay Kankar
8-20 M Med Sand
20-30 M Clay Kankar
30-46 M Medium Sand
46-50 M Clay Kankar
50-64 M Medium Sand
64-70 M Clay Kankar
70-87 M Medium Sand
87-93 M Clay Kankar
93-136 M Med Sand
136-150 M Clay Kankar
150-160 M Medium Sand
160-176 M Clay Kankar
170-184 M Med Sand
184-200 M Clay Kankar
200-217 M Med Sand
217-220 M Clay Kankar
220-241 M Med Sand
241-249 M Clay Kankar
249-251 M Fine sand
251-265 M Clay Kankar
265-280 M Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 500 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 200 x 150
6	Drilling Starting Date :- 19 12 2023
7	Drilling Completion Date :- 23 12 2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 24 12 2023
10	Logging Depth :- 280 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-64	14	Fine to Medium Sand (Good All)
2	70-87	17	
3	93-136	30	
4	150-160	10	
5	170-184	14	
6	200-217	17	
7	220-241	21	
8	265-280	15	

Sl. No.	Description	Zone-1 (200-241 M)	Zone-2 (220-217 M)	Zone-3 (170-184 M)
1	Fluoride (As F)	1.00 / 0.670	1.00 / 0.850	1.00 / 1.080
2	Iron (As Fe)	1.00 / 0.520	1.00 / 0.670	1.00 / 1.230
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.008	0.01 / 0.011

P. Gravel

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 - 174.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 247.00 Meter	
AGI - 00.50 Meter	
BGL - 246.50 Meter	
12	90mm dia uPVC - 164x2=328 Meter
13	Date of Lowering - 07 01 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- GADANIYA, BLOCK- PALIYA, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 280 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 24.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 = 17.53 Ohms.

Drilling Water Resistivity = 18.30 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 20	12	Medium sand	Good
4.	20 - 30	10	Clay kankar	
5.	30 - 46	16	Medium sand	Good
6.	46 - 50	4	Clay kankar	
7.	50 - 64*	14	Medium sand	Good
8.	64 - 70	6	Clay kankar	
9.	70 - 87*	17	Medium sand	Good
10.	87 - 93	6	Clay kankar	
11.	93 - 136*	43	Medium sand	Good
12.	136 - 150	14	Clay kankar	
13.	150 - 160*	10	Medium sand	Good
14.	160 - 170	10	Clay kankar	
15.	170 - 184*	14	Medium sand	Good
16.	184 - 200	16	Clay kankar	
17.	200 - 217*	17	Medium sand	Good
18.	217 - 220	3	Clay kankar	
19.	220 - 241*	21	Medium sand	Good
20.	241 - 249	8	Clay kankar	
21.	249 - 251	2	Fine sand	Good
22.	251 - 265	14	Clay kankar	
23.	265 - 280*	15	Medium sand	Good

Ground Water Survey Consultancy

