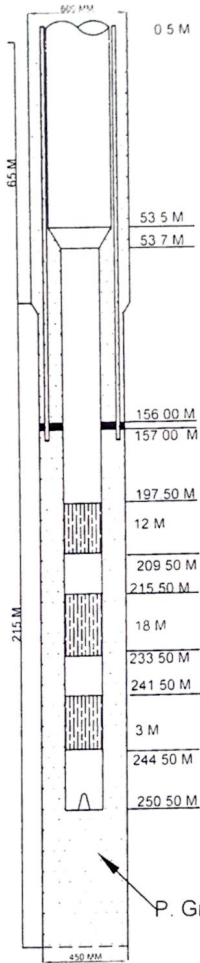


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Patana 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 :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023
Lowered Assembly Chart of T. W of G.P. of Patana W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface soil
5-10 M. Clay Kankar
10-37 M Fine to Med Sand
37-46 M. Clay Kankar
46-53 M Fine to Med Sand
53-59 M Clay Kankar
59-68 M Med Sand.
68-74 M Clay Kankar
74-102 M. Med Sand
102-112 M Clay Kankar
112-118 M. Fine to Med Sand
118-128 M. Clay Kankar
128-155 M. Med Sand
155-161 M Clay Kankar
161-210 M. Med Sand Kankar
210-215 M. Clay Kankar
215-234 M. Med Sand.
234-241 M. Clay Kankar
241-245 M. Med Sand.
245-258 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 1150 LPM
4	Bore Size (MM) - 600x 450
5	Assembly Size (MM) - 300 x 150
6	Drilling Starting Date - 26 12 2022
7	Drilling Completion Date - 01 01 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 02 01 2023
10	Logging Depth - 258 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	59-68	09	Fine to Medium Sand (Good All)
2	74-102	28	
3	112-118	06	
4	128-155	27	
5	161-210	49	
6	215-234	19	
7	241-245	04	

Sl No	Description	Zone-1 (215-234 M) Sampling Date	Zone-2 (161-210 M) Sampling Date	Zone-3 (128-155 M) Sampling Date
1	Fluoride (as F ⁻)	1.00 / 0.935	1.00 / 0.922	1.00 / 1.162
2	Iron (As Fe ⁺)	1.00 / 0.850	1.00 / 0.820	1.00 / 1.430
3	Total Arsenic (As As)	0.01 / 0.010	0.01 / 0.009	0.01 / 0.015

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe - 54 00 Meter
ii)	150 mm Dia M. S. Slotted pipe - 33 00 Meter
iii)	150 mm Dia M. S. Plain pipe - 163 80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0 20 Meter
	Total - 251 00 Meter
	AGI - 00 50 Meter
	BGL - 250 50 Meter
12.	90mm dia uPVC - 158 5x2=317 Meter
13.	Date of Lowering - 26 01 2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd

M/S Ceinsys Tech Ltd

Division Office (E/M)
UP Jal Nigam (R)
Lucknow

Division Office (E/M)
UP Jal Nigam (R)
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Division Office (E/M) UP Jal
Nigam (R) Lucknow

Vinod Kumar
Assistant Engineer
Divisional Officer (E/M)
UP Jal Nigam (R)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- PATANA, 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 02.Jan.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:-

Location = Patana

Mud Resistivity = 20.09 Ohms.

Latitude = 27.947433333333334°

Drilling Water Resistivity = 21.33 Ohms.

Longitude = 80.95535°

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kanakr	
3.	10 - 37	27	Fine to Medium sand	
4.	37 - 46	9	Clay kankar	
5.	46 - 53	7	Fine to Medium sand	Good
6.	53 - 59	6	Clay kankar	
7.	59 - 68*	9	Medium sand	Good
8.	68 - 74	6	Clay kankar	
9.	74 - 102*	28	Medium sand	Good
10.	102 - 112	10	Clay kankar	
11.	112 - 118*	6	Fine to Medium sand	Good
12.	118 - 128	10	Clay kankar	
13.	128 - 155*	27	Medium sand	Good
14.	155 - 161	6	Clay kankar	
15.	161 - 210*	49	Medium sand & kankar	Good
16.	210 - 215	5	Clay kankar	
17.	215 - 234*	19	Medium sand	Good
18.	234 - 241	7	Clay kankar	
19.	241 - 245*	4	Medium sand	Good
20.	245 - 258	13	Clay kankar	

Ground Water Survey Consultancy

