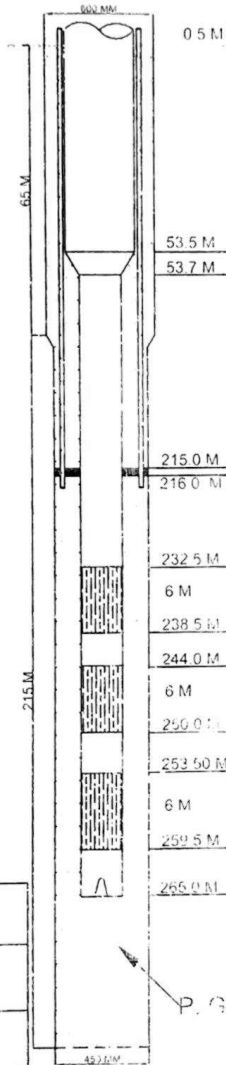


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M, Surface Clay
5-10 M, Clay Kankar
10-65 M, Medium Sand
65-70M, Clay Kankar
70-76 M, Medium Sand
76-84 M, Clay Kankar
84-90 M, Medium Sand
90-95M, Clay Kankar
95-121 M, Medium Sand
121-134 M, Clay Kankar
134-148 M, Medium Sand
148-170 M, Clay Kankar
170-196 M, Medium Sand
196-210 M, Clay Kankar
210-222M, Medium Sand
222-232 M, Clay Kankar
232-240 M, Medium Sand
240-244 M, Clay Kankar
244-250 M, Medium Sand
250-253 M, Clay kankar
252-262 M, Medium Sand
262-265 M, Clay Kankar



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	- 16.10.2023
7	Drilling Completion Date	- 21.10.2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 22.10.2023
10	Logging Depth	- 265 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	10-65	55	Fine to Medium Sand (Good All)
2	70-76	06	
3	84-90	06	
4	95-121	26	
5	134-138	14	
6	170-196	26	
7	210-222	12	
8	232-240	08	
9	244-250	06	
10	253-262	09	

Sl No	Description	Zone 1 (0-10 M)	Zone 2 (10-96 M)	Zone 3 (170-196 M)
1	Fluoride (As F)	1.00 / 0.372	1.00 / 0.396	1.00 / 0.426
2	Iron (As Fe)	1.00 / 0.843	1.00 / 1.120	1.00 / 1.250
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.020	0.01 / 0.024

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	- 189.3 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 265.50 Meter
AGI	- 00.50 Meter
BGL	- 265.00 Meter
12. 90mm dia uPVC	- 217.5x2=435 Meter
13. Date of Lowering	- 30.10.2023

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)
Lucknow

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

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SHEKHPUR, BLOCK- DHAURAHARA, 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 22.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 = 19.07 Ohms.

Drilling Water Resistivity = 20.43 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 - 10	5	Clay kankar	
3.	10 - 65*	55	Medium sand	Good
4.	65 - 70	5	Clay kankar	
5.	70 - 76*	6	Medium sand	Good
6.	76 - 84	8	Clay kankar	
7.	84 - 90*	6	Medium sand	Good
8.	90 - 95	5	Clay kankar	
9.	95 - 121*	26	Medium sand	Good
10.	121 - 134	13	Clay kankar	
11.	134 - 148*	14	Medium sand	Good
12.	148 - 170	22	Clay kankar	
13.	170 - 196*	26	Medium sand	Good
14.	196 - 210	14	Clay kankar	
15.	210 - 222*	12	Medium sand	Good
16.	222 - 232	10	Clay kankar	
17.	232 - 240*	8	Medium sand	Good
18.	240 - 244	4	Clay kankar	
19.	244 - 250*	6	Medium sand	Good
20.	250 - 253	3	Clay kankar	
21.	253 - 262*	9	Medium sand	Good
22.	262 - 265	3	Clay kankar	

Ground Water Survey Consultancy

