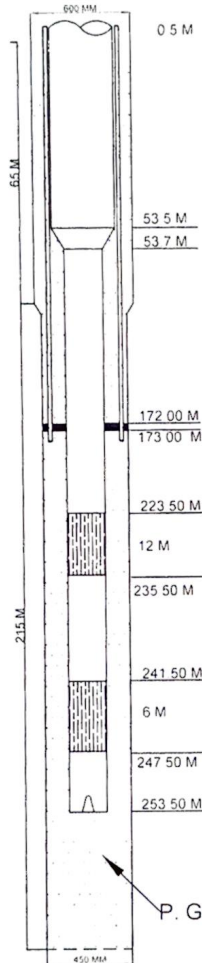


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M. Surface soil
5-14 M. Clay Kankar
14-65 M. Med Sand
65-71 M. Clay Kankar
71-79 M. Fine to Med Sand
79-98 M. Clay Kankar
98-111 M. Medium Sand
111-118 M. Clay Kankar
118-153M Med Sand Kankar
153-160 M. Clay Kankar
160-170 M Fine to Med Sand
170-177 M. Clay Kankar
177-207 M. Med Sand. Kankar
207-215 M. Clay Kankar
215-250 M. Med Sand
250-266 M. Clay Kankar
266-277 M. Med Sand
277-280 M. Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 470 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 22 12 2023
7	Drilling Completion Date	- 26 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 27 12 2023
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	98-111	13	Fine to Medium Sand (Good All)
2	118-153	35	
3	160-170	10	
4	177-207	30	
5	215-250	35	
6	266-277	11	

Sr No	Description	Zone 1 (0-15-250 M)	Zone 2 (177-207 M)	Zone 3 (160-170 M)
1	Fluoride (As F ⁻)	1.00 / 0.740	1.00 / 0.842	1.00 / 0.892
2	Iron (As Fe ⁺)	1.00 / 0.320	1.00 / 0.670	1.00 / 1.010
3	Total Arsenic (As As)	0.01 / 0.006	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	- 181.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 254.00 Meter
AGI	- 00.50 Meter
BGL	- 253.50 Meter
12. 90mm dia uPVC	- 174.5x2=349 Meter
13. Date of Lowering	- 05 01 2024

Recommended & Prepared by

M/S NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd

Recommended by

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

Approved by

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

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

Vinod Kumar
 Assistant Engineer
 Divisional Officer (E/M)
 U.P. Jal Nig. m. (L)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BELWA MOTI, BLOCK- DHAUREHRA, 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 27.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:-

Location = Belwa Moti

Latitude = 27.911869°

Longitude = 80.059082°

Mud Resistivity = 18.26 Ohms.

Drilling Water Resistivity = 19.94 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 - 14	9	Clay kankar	
3.	14 - 65	51	Medium sand	Good
4.	65 - 71	6	Clay kankar	
5.	71 - 79	8	Fine to Medium sand	Good
6.	79 - 98	19	Clay kankar	
7.	98 - 111*	13	Medium sand	Good
8.	111 - 118	7	Clay kankar	
9.	118 - 153*	35	Medium sand & kankar	Good
10.	153 - 160	7	Clay kankar	
11.	160 - 170*	10	Fine to Medium sand	Good
12.	170 - 177	7	Clay kankar	
13.	177 - 207*	30	Medium sand & kankar	Good
14.	207 - 215	8	Clay kankar	
15.	215 - 250*	35	Medium sand	Good
16.	250 - 266	16	Clay kankar	
17.	266 - 277*	11	Medium sand	Good
18.	277 - 280	3	Clay kankar	

Ground Water Survey Consultancy

