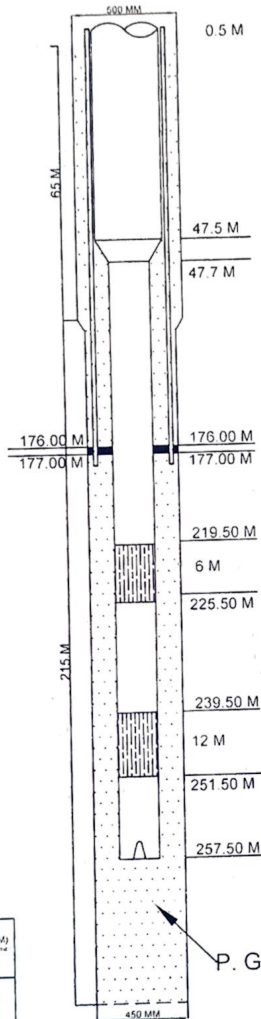


COMPLETION PLAN OF TUBEWELL

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

Strata

0-5 M, Surface soil
5-10 M, Clay kankar
10-22 M, Med Sand
22- 40 M, Clay Kankar
40-50 M, Med. Sand
50 -54 M, Clay kankar
54-68 M, Med Sand
68-74 M, Clay Kankar
74-82 M, Fine to Med. Sand
82 -91 M, Clay Kankar
91-132 M, Med Sand Kankar
132-142 M, Clay Kankar
142-175 M, Med Sand
175-181 M, Clay Kankar
181-213 M, Medium Sand
213-218 M, Clay Kankar
218-226 M, Medium Sand
226-239 M, Clay Kankar
239-252 M, Medium Sand
252 -275 M, Clay Kankar
275 -280 M, Medium Sand



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 400 LPM
4	Bore Size (MM)	:- 500x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 04.01.2024
7	Drilling Completion Date	:- 08.01.2024
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 09.01.2024
10	Logging Depth	:- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	54-68	14	Fine to Medium Sand (Good All)
2	91-132	41	
3	142-175	33	
4	181-213	32	
5	218-226	08	
6	239-252	13	
7	275-280	05	

11. Details of Lowered Assembly

i) 200 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 18.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 191.80 Meter
iv) 200 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	:- 178.5x2= 357 Meter
13. Date of Lowering	:- 21.01.2024

Sr No	Description	Zone-1 (239-252 M) Fluoride Limit Per litre	Zone-2 (218-226 M) Fluoride Limit Per litre	Zone-3 (181-213 M) Fluoride Limit Per litre
1	Fluoride (as F) ⁻	1.00 / 0.865	1.00 / 0.987	1.00 / 0.984
2	Iron (As Fe) ⁺	1.00 / 0.450	1.00 / 1.120	1.00 / 1.320
3	Total Arsenic (As As)	0.01 / 0.007	0.01 / 0.012	0.01 / 0.012

Recommended by

Approved by

Recommended
&
Prepared by

Verified by

M/S. NCC Ltd.

M.S. Ceinsys Tech Ltd.

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- CHAHAMALPUR, 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 09.Jan.2024.

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 = 13.11 Ohms.

Drilling Water Resistivity = 30.83 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 - 22	12	Medium sand	Good
4.	22 - 40	18	Clay kankar	
5.	40 - 50	10	Medium sand	Good
6.	50 - 54	4	Clay kankar	
7.	54 - 68*	14	Medium sand	Good
8.	68 - 74	6	Clay kankar	
9.	74 - 82	8	Fine to Medium sand	Good
10.	82 - 91	9	Clay kankar	
11.	91 - 132*	41	Medium sand & kankar	Good
12.	132 - 142	10	Clay kankar	
13.	142 - 175*	33	Medium sand	Good
14.	175 - 181	6	Clay kankar	
15.	181 - 213*	32	Medium sand	Good
16.	213 - 218	5	Clay kankar	
17.	218 - 226*	8	Medium sand	Good
18.	226 - 239	13	Clay kankar	
19.	239 - 252*	13	Medium sand	Good
20.	252 - 275	23	Clay kankar	
21.	275 - 280*	5	Medium sand	Good

Ground Water Survey Consultancy

