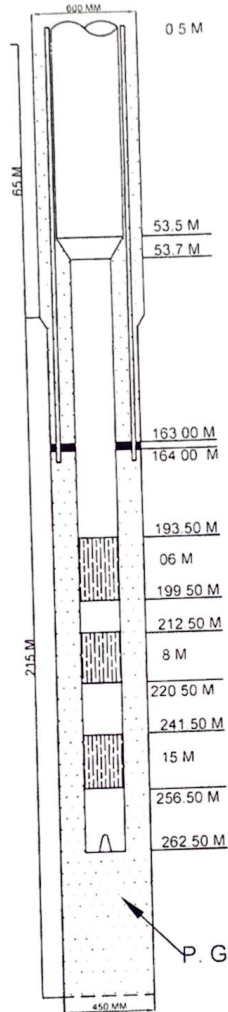


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Dharmapur Block- Nighasan, 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 :- 200/ED/2021-22/III Dt. 30 November, 2021
 Lowered Assembly Chart of T. W of G.P Dharmapur W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Clay
5-10 M. Clay Kankar
10-41 M. Medium Sand
41-60 M. Kankar
60-67 M. Medium Sand
67-70 M. Clay Kankar
70-90 M. Fine to Med. Sand
90-96 M. Clay Kankar
96-110 M. Medium Sand
110-120 M. Clay Kankar
120-145 M. Medium Sand
145-158 M. Clay Kankar
158-162 M. fine to Med. Sand
162-168 M. Clay Kankar
168-180 M. Fine to Med. Sand
180-185M. Clay Kankar
185-188 M. Fine Sand
188-193 M. Clay Kankar
193-200 M. Med Sand.
200-212 M. Clay Kankar
212-221 M. Med sand
221-241 M. Clay Kankar
241-261 M. Medium Sand
261-270 M. Clay Kankar
270-276M. Med Sand
276-280M. Clay Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 750 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 17.12.2023
7	Drilling Completion Date	:- 21.12.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 22.12.2023
10	Logging Depth	:- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	60-67	07	Fine to Medium Sand (Good All)
2	70-90	20	
3	96-110	14	
4	120-145	25	
5	158-162	04	
6	168-180	12	
7	185-188	03	
8	193-200	07	
9	212-221	09	
10	241-261	20	
11	270-276	06	

Sr No	Description	Zone 1 (241-261 M) Average mg/l	Zone 2 (180-185 M) Average mg/l	Zone 3 (193-200 M) Average mg/l
1	Fluoride (as F) ⁻	1.00 / 0.595	1.00 / 0.672	1.00 / 0.596
2	Iron (As Fe) ⁺	1.00 / 0.452	1.00 / 0.872	1.00 / 0.498
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.016	0.01 / 0.004

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter	
ii) 150 mm Dia M S Slotted pipe	- 29.00 Meter	
iii) 150 mm Dia M. S. Plain pipe	- 179.80 Meter	
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter	
Total		- 263.00 Meter
AGI		- 00.50 Meter
BGL		- 262.50 Meter
12	90mm dia uPVC	- 165x2=330 Meter
13	Date of Lowering	- 30.12.2023

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

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Division Office (E/M)
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHARMAPUR, BLOCK- NIGHASAN, 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 22.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 = 21.49 Ohms.

Drilling Water Resistivity = 22.60 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 - 41	31	Medium sand	Good
4.	41 - 60	19	Kankar	
5.	60 - 67*	7	Medium sand	Good
6.	67 - 70	3	Clay kankar	
7.	70 - 90*	20	Medium sand	Good
8.	90 - 96	6	Clay kankar	
9.	96 - 110*	14	Medium sand	Good
10.	110 - 120	10	Clay kankar	
11.	120 - 145*	25	Medium sand	Good
12.	145 - 158	13	Clay kankar	
13.	158 - 162	4	Fine to Medium sand	Good
14.	162 - 168	6	Clay kankar	
15.	168 - 180*	12	Medium sand	Good
16.	180 - 185	5	Clay kankar	
17.	185 - 188	3	Fine sand	Good
18.	188 - 193	5	Clay kankar	
19.	193 - 200*	7	Medium sand	Good
20.	200 - 212	12	Clay kankar	
21.	212 - 221*	9	Medium sand	Good
22.	221 - 241	20	Clay kankar	
23.	241 - 261*	20	Medium sand	Good
24.	261 - 270	9	Clay kankar	
25.	270 - 276*	6	Medium sand	Good
26.	276 - 280	4	Clay kankar	

Ground Water Survey Consultancy

