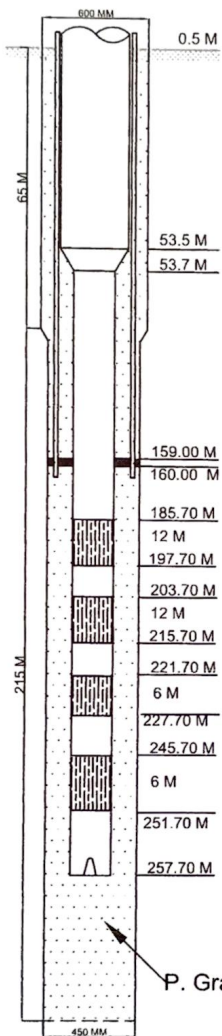


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Ishanagar Zn-2 Block- Ishanagar, 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 :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023
Lowered Assembly Chart of T. W of G.P Ishanagar Zn-2 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-25 M, Clay Kankar
25-36 M, Med. Sand
36-58 M, Clay Kankar
58-82 M, Medium Sand
82-93 M, Clay Kankar
93-101 M, Med. Sand
101-120 M, Clay Kankar
120-125 M, Medium Sand
125-130 M, Clay Kankar
130-158M, Med. Sand Kankar
158-165 M, Clay Kankar
165-230 M, Med. Sand, Kankar
230-245 M, Clay Kankar
245-262 M, Med. Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 1500 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x200
6	Drilling Starting Date :- 07.01.2024
7	Drilling Completion Date :- 11.01.2024
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 12.01.2024
10	Logging Depth :- 260 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	58-82	24	Fine to Medium Sand (Good All)
2	93-101	08	
3	120-125	05	
4	130-1158	28	
5	165-230	65	
6	245-262	17	

Sr. No	Description	Zone-1 (245-262 M) Acceptable Limit / Test result	Zone-2 (165-230 M) Acceptable Limit / Test result	Zone-3 (130-158 M) Acceptable Limit / Test result
1	Fluoride (as F ⁻)	1.00 / 0.542	1.00 / 0.598	1.00 / 0.652
2	Iron (As Fe) ⁺	1.00 / 0.410	1.00 / 0.560	1.00 / 0.850
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.008	0.01 / 0.011

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 54.00 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 36.00 Meter
iii)	150 mm Dia M. S. Plain pipe :- 168.00 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 258.20 Meter
	AGI :- 00.50 Meter
	BGL :- 257.70 Meter
12.	90mm dia uPVC :- 161x2=322 Meter
13.	Date of Lowering :- 22.01.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- ISHANAGAR ZONE -2, BLOCK- ISHANAGAR, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 262 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 12.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 = 12.13 Ohms.

Drilling Water Resistivity = 11.99 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 - 25	20	Clay kankar	
3.	25 - 36	11	Medium sand	Good
4.	36 - 58	22	Clay kankar	
5.	58 - 82*	24	Medium sand	Good
6.	82 - 93	11	Clay kankar	
7.	93 - 101*	8	Medium sand	Good
8.	101 - 120	19	Clay kankar	
9.	120 - 125*	5	Medium sand	Good
10.	125 - 130	5	Clay kankar	
11.	130 - 158*	28	Medium sand & kankar	Good
12.	158 - 165	7	Clay kankar	
13.	165 - 230*	65	Medium sand & kankar	Good
14.	230 - 245	15	Clay kankar	
15.	245 - 262*	17	Medium sand	Good

Ground Water Survey Consultancy

