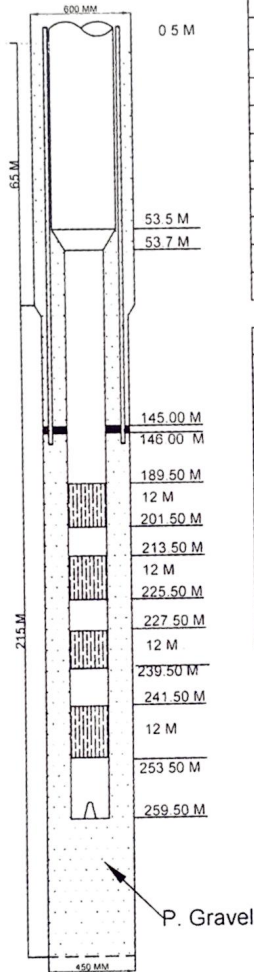


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Tedua Block- Phool Behar, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023
 Lowered Assembly Chart of T. W of G.P Phool Behar W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface Clay
5-10 M. Clay Kankar
10-38 M. Fine to Med. Sand
38-50 M. Clay Kankar
50-57 M. Medium Sand
57-60 M. Clay Kankar
60-72 M. Med Sand
72-80 M. Clay Kankar
80-102 M. Medium Sand
102-110 M. Clay Kankar
110-114M. Fine to Med. Sand
114-122 M. Clay Kankar
122-130 M. Fine to Med Sand
130-140 M. Clay Kankar
140-143 M. Fine to Med. Sand
143-148 M. Clay Kankar
148-166 M. Medium Sand
166-170 M. Clay Kankar
170-202 M. Med. Sand, Kankar
202-213 M. Clay Kankar
213-262 M. Med Sand, Kankar
262-275 M. Clay Kankar



Sr No	Description	Zone-1 (170-202 M) No. of samples No. of tests	Zone-2 (166-170 M) No. of samples No. of tests	Zone-3 (148-166 M) No. of samples No. of tests
1	Fluoride (as F) ⁻	1.00 / 0.674	1.00 / 1.090	1.00 / 1.250
2	Iron (As Fe) ⁺	1.00 / 0.578	1.00 / 0.740	1.00 / 1.080
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.009	0.01 / 0.012

ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1650 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x200
6	Drilling Starting Date	:- 14.12.2023
7	Drilling Completion Date	:- 18.12.2023
8	Total Depth Of Drilling	:- 275 M
9	Logging Date	:- 19.12.2023
10	Logging Depth	:- 275 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	60-72	12	Fine to Medium Sand (Good All)
2	80-102	22	
3	122-130	08	
4	148-166	18	
5	170-202	32	
6	213-262	49	

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	- 54.00 Meter
ii) 150 mm Dia M. S Slotted pipe	- 48.00 Meter
iii) 150 mm Dia M. S Plain pipe	- 157.80 Meter
iv) 300 x 150 mm Dia M S Reducer	- 0.20 Meter
Total	- 260.00 Meter
AGI	- 00.50 Meter
BGL	- 259.50 Meter
12. 90mm dia uPVC	- 147.5x2=295 Meter
13. Date of Lowering	- 28.12.2023

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

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

E.E.
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TEDUA, BLOCK- PHOOLBEHAR, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 275 mtrs. depth. and Logged depth 275 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 19.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 = 18.91 Ohms.

Drilling Water Resistivity = 19.48 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 - 38	28	Fine to Medium sand	Good
4.	38 - 50	12	Clay kankar	
5.	50 - 57	7	Medium sand	Good
6.	57 - 60	3	Clay kankar	
7.	60 - 72*	12	Medium sand	Good
8.	72 - 80	8	Clay kankar	
9.	80 - 102*	22	Medium sand	Good
10.	102 - 110	8	Clay kankar	
11.	110 - 114	4	Fine to Medium sand	Good
12.	114 - 122	8	Clay kankar	
13.	122 - 130*	8	Fine to Medium sand	Good
14.	130 - 140	10	Clay kankar	
15.	140 - 143	3	Fine to Medium sand	Good
16.	143 - 148	5	Clay kankar	
17.	148 - 166*	18	Medium sand & kankar	Good
18.	166 - 170	4	Clay kankar	
19.	170 - 202*	32	Medium sand & kankar	Good
20.	202 - 213	11	Clay kankar	
21.	213 - 262*	49	Medium sand & kankar	Good
22.	262 - 275	13	Clay kankar	

Ground Water Survey Consultancy

