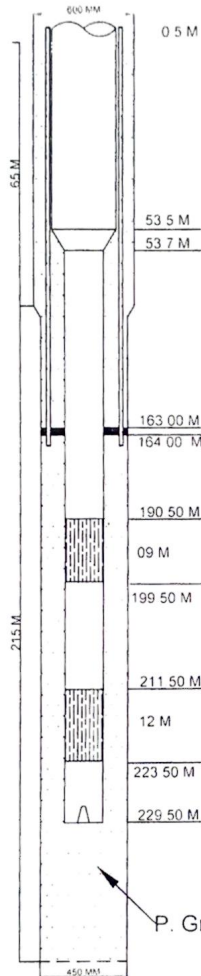


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Trilokpur 2nd Block- Palia, 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. of Trilokpur 2nd W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M	Surface soil
5-7 M	Clay Kankar
7-27 M	Med Sand
27-30 M	Clay Kankar
30-57 M	Medium Sand
57-66 M	Clay Kankar
66-80 M	Medium Sand
80-90 M	Clay Kankar
90-110 M	Med Sand
110-115 M	Clay Kankar
115-120 M	Fine to Med Sand
120-125 M	Clay Kankar
125-141 M	Medium Sand
141-148 M	Clay Kankar
148-161 M	Med Sand
161-170 M	Clay Kankar
170-177 M	Med Sand
177-181 M	Clay Kankar
181-185 M	Fine to Med Sand
185-190 M	Clay Kankar
190-200 M	Med Sand
200-210 M	Clay Kankar
210-225 M	Medium Sand
225-255 M	Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 550 LPM
4	Bore Size (MM)	- 600x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 23 12 2023
7	Drilling Completion Date	- 27 12 2023
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 28 12 2023
10	Logging Depth	- 255 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	90-110	20	Fine to Medium Sand (Good All)
2	115-120	05	
3	125-141	16	
4	148-161	13	
5	170-177	07	
6	190-200	10	
7	210-225	15	

Sl No	Description	Zone-1 (210-225 M)	Zone-2 (150-200 M)	Zone-3 (170-177 M)
1	Fluoride (as F ⁻)	1.00 / 0.582	1.00 / 0.615	1.00 / 0.673
2	Iron (As Fe ⁺)	1.00 / 0.680	1.00 / 0.870	1.00 / 1.050
3	Total Arsenic (As As)	0.01 / 0.007	0.01 / 0.009	0.01 / 0.012

11. Details of Lowered Assembly

i)	300 mm Dia Housing Pipe	- 54.00 Meter
ii)	150 mm Dia M S Slotted pipe	- 21.00 Meter
iii)	150 mm Dia M S Plain pipe	- 154.80 Meter
iv)	300 x 150 mm Dia M S Reducer	- 0.20 Meter
	Total	- 230.00 Meter
	AGI	- 00.50 Meter
	BGL	- 229.50 Meter
12.	90mm dia uPVC	- 165.5x2=331 Meter
13.	Date of Lowering	- 17/01/2024

Recommended
&
Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd.

M/S Ceinsys Tech Ltd

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

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

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

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- TRILOKPUR 2ND, BLOCK- PALIYA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 255 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 28.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 = Trilokpur 2nd

Latitude = 28.368562°

Longitude = 80.666696°

Mud Resistivity = 19.32 Ohms.

Drilling Water Resistivity = 20.56 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 - 7	2	Clay kankar	
3.	7 - 27	20	Medium sand	Good
4.	27 - 30	3	Clay kankar	
5.	30 - 57	27	Medium sand	Good
6.	57 - 66	9	Clay kankar	
7.	66 - 80*	14	Medium sand	Good
8.	80 - 90	10	Clay kankar	
9.	90 - 110*	20	Medium sand	Good
10.	110 - 115	5	Clay kankar	
11.	115 - 120*	5	Fine to Medium sand	Good
12.	120 - 125	5	Clay kankar	
13.	125 - 141*	16	Medium sand	Good
14.	141 - 148	7	Clay kankar	
15.	148 - 161*	13	Medium sand	Good
16.	161 - 170	9	Clay kankar	
17.	170 - 177*	7	Medium sand	Good
18.	177 - 181	4	Clay kankar	
19.	181 - 185	4	Fine to Medium sand	Good
20.	185 - 190	5	Clay kankar	
21.	190 - 200*	10	Medium sand	Good
22.	200 - 210	10	Clay kankar	
23.	210 - 225*	15	Medium sand	Good
24.	225 - 255	30	Clay kankar	

Ground Water Survey Consultancy

