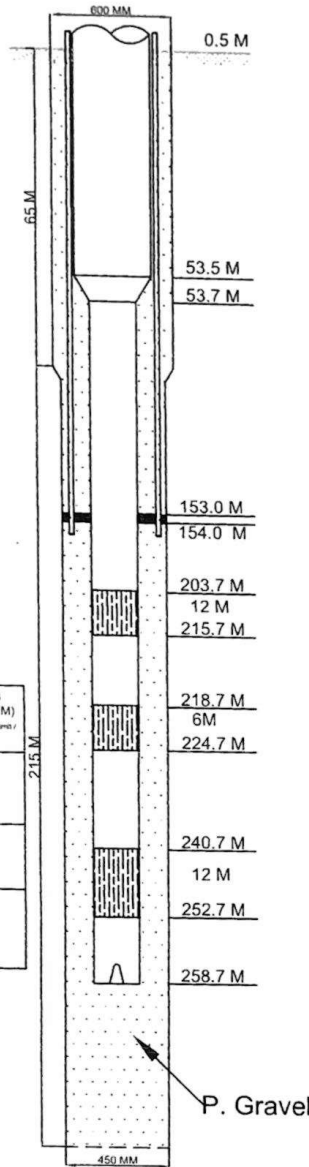


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Hasanapur, 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 :- 245/ED/2021-22/IV Dt. 20 January, 2022
 Lowered Assembly Chart of T. W of Hasanapur G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-12 M, Clay Kankar
12-19 M, Fine Sand
19-40 M, Clay Kankar
40-65 M, Medium Sand
65-70 M, Clay Kankar
70-76 M, Medium Sand
76-82 M, Clay Kankar
82-90 M, Medium Sand
90-108 M, Clay Kankar
108-125 M, Medium Sand
125-145 M, Clay Kankar
145-150 M, Fine to Medium Sand
150-162 M, Clay Kankar
162-173 M, Medium Sand
173-182 M, Clay Kankar
182-228 M, Medium Sand
228-240 M, Clay Kankar
240-276 M, Medium Sand
276-280 M, Clay Kankar



Sr. No	Description	Zone-1 (240-276 M)	Zone-2 (162-228 M)	Zone-3 (162-173 M)
		Acceptable Limit / Test result	Acceptable Limit / Test result	Acceptable Limit / Test result
1	Fluoride (as F)*	1.00 / 0.398	1.00 / 0.422	1.00 / 0.454
2	Iron (As Fe)*	1.00 / 0.560	1.00 / 0.750	1.00 / 0.980
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.010	0.01 / 0.017

ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1000 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 21.11.2023
7	Drilling Completion Date	:- 26.11.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 27.11.2023
10	Logging Depth	:- 265 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	40-65	25	Fine to Medium Sand (Good All)
2	70-76	6	
3	82-90	8	
4	108-125	17	
5	145-150	5	
6	162-173	11	
7	182-228	46	
8	240-276	36	

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 54.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 30.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 175.0 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 259.20 Meter
AGI	:- 00.50 Meter
BGL	:- 258.70 Meter
12. 90mm dia uPVC	:- 155.5x2=311 Meter
13. Date of Lowering	:- 03.12.2023

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HASNAPUR, 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 27.Nov.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 = 19.51 Ohms.

Drilling Water Resistivity = 20.10 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 19	7	Fine sand	
4.	19 - 40	21	Clay kankar	
5.	40 - 65*	25	Medium sand	Good
6.	65 - 70	5	Clay kankar	
7.	70 - 76*	6	Medium sand	Good
8.	76 - 82	6	Clay kankar	
9.	82 - 90*	8	Medium sand	Good
10.	90 - 108	18	Clay kankar	
11.	108 - 125*	17	Medium sand	Good
12.	125 - 145	20	Clay kankar	
13.	145 - 150*	5	Fine to Medium sand	Good
14.	150 - 162	12	Clay kankar	
15.	162 - 173*	11	Medium sand	Good
16.	173 - 182	9	Clay kankar	
17.	182 - 228*	46	Medium sand	Good
18.	228 - 240	12	Clay kankar	
19.	240 - 276*	36	Medium sand	Good
20.	276 - 280	4	Clay kankar	

Ground Water Survey Consultancy

