

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. BERIHATARANPUR, Block-Lakhimpur, District, Lakhimpur Kheri.
 Name of Program :- J. J. M-2
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)

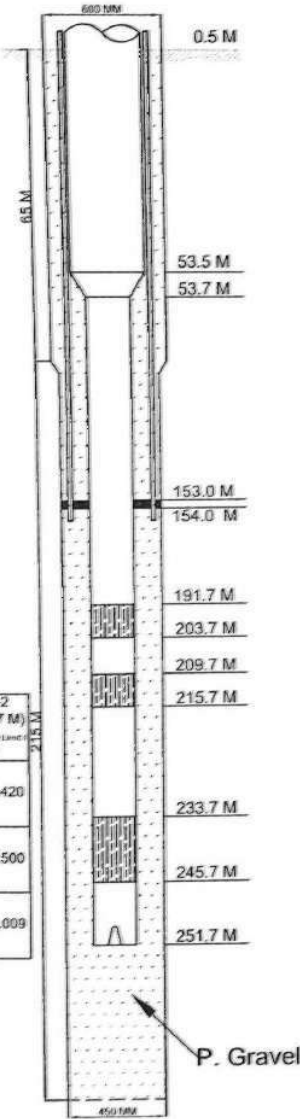
Name of Contractor :- M/S NCC Limited
 Name of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

Lowered Assembly Chart of T. W of BERIHATARANPUR G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-10 M, Fine Sand
10-19 M, Clay Kankar
19-21 M, Fine to Medium Sand
21-29 M, Clay Kankar
29-41 M, Medium Sand
41-52 M, Clay Kankar
52-59 M, Medium Sand
59-75 M, Clay Kankar
75-82 M, Medium Sand
82-101 M, Clay Kankar
101-108 M, Medium Sand
108-115 M, Clay Kankar
115-152 M, Medium Sand
152-180 M, Clay Kankar
180-222 M, Medium Sand
222-230 M, Clay Kankar
230-247 M, Medium Sand
247-267 M, Clay Kankar
266-272 M, Medium Sand
272-276 M, Clay Kankar



Sr. No	Description	Zone-1 (180-222 M) Average Limit Test result	Zone-2 (230-247 M) Average Limit Test result
1	Fluoride (as F) ⁻	1.00 / 0.424	1.00 / 0.420
2	Iron (As Fe) ⁺	1.00 / 0.410	1.00 / 0.500
3	Total Arsenic (As As)	0.01 / 0.006	0.01 / 0.009

ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:- 4.5 M
3	Required Discharge	:- 940 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 22.09.2023
7	Drilling Completion Date	:- 26.09.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 27.09.2023
10	Logging Depth	:- 265 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	52-59	07	Fine to Medium Sand (Good All)
2	75-82	07	
3	101-108	35	
1	115-152	09	
2	180-222	11	
3	230-247	35	
3	266-272	35	

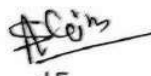
11. Details of Lowered Assembly


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	:- 168.00 Meter
iv) 200 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 252.20 Meter
AGI	:- 00.50 Meter
BGL	:- 251.70 Meter
12. Date of Lowering	:- 30.09.2023




Recommended by

Approved by

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 300 mtrs. depth. and Logged depth 276 mtrs. at above site. Was drilled by M/s NCC Ltd., Lakhimpur Khiri.

On the request of M/s NCC Ltd., Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.Sep.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 = 22.53 Ohms.

Drilling Water Resistivity = 23.49 Ohms.

Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 19	9	Clay kankar	
4.	19 - 21	2	Fine to Medium sand	
5.	21 - 29	8	Clay kankar	
6.	29 - 41	12	Medium sand	Good
7.	41 - 52	11	Clay kankar	
8.	52 - 59*	7	Medium sand	Good
9.	59 - 75	16	Clay kankar	
10.	75 - 82*	7	Medium sand	Good
11.	82 - 101	19	Clay kankar	
12.	101 - 108*	7	Medium sand	Good
13.	108 - 115	7	Clay kankar	
14.	115 - 152*	37	Medium sand	Good
15.	152 - 180	28	Clay kankar	
16.	180 - 222*	42	Medium sand	Good
17.	222 - 230	8	Clay kankar	
18.	230 - 247*	17	Medium sand	Good
19.	247 - 267	20	Clay kankar	
20.	266 - 272*	6	Medium sand	Good
21.	272 - 276	4	Clay kankar	

Ground Water Survey Consultancy

