

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Basha Bhoor, Block-PhoolBehad, 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

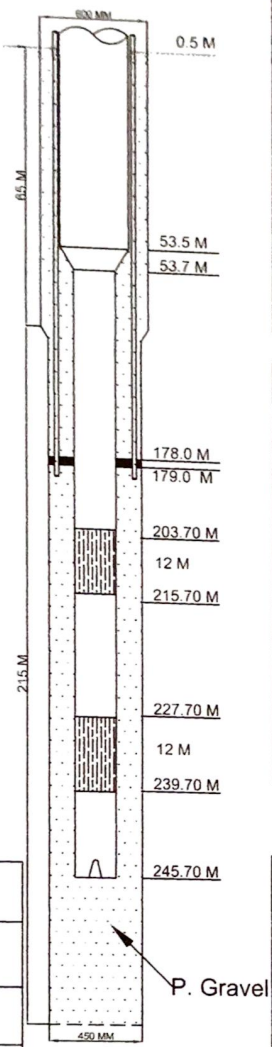
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

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

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

Strata

0-5 M. Surface Soil
5-20 M. Clay Kankar
20-23 M. Fine Sand
23-39M. Clay Kankar
39-41 M. Fine Sand
41-61 M. Clay Kankar
61-71M. Fine to Medium Sand
71-79M. Clay Kankar
79-88 M. Medium Sand
88-102 M. Clay Kankar
102-122 M. Medium Sand
122-128 M. Clay Kankar
128-142 M. Medium Sand
142-151 M. Kankar
151-159M. Medium Sand
159-170 M. Clay Kankar
170-177M. Fine to Med. Sand
177-180 M. Clay Kankar
180-218M. Med. Sand, kankar
218-226 M. Clay Kankar
226-241M. Medium Sand
241-248 M. Clay Kankar
248-250M. Fine to Med. Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 800 LPM 650 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 25.11.2023
7	Drilling Completion Date :- 29.11.2023
8	Total Depth Of Drilling :- 250 M
9	Logging Date :- 30.11.2023
10	Logging Depth :- 250 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	61-71	10	Fine to Medium Sand (Good All)
2	79-88	09	
3		20	
4	128-142	14	
5	151-159	08	
6	170-177	07	
7	180-218	38	
8	226-241	15	

Sr No	Description	Zone-1 (226-241 M) Average Limit Per result	Zone-2 (180-218 M) Average Limit Per result	Zone-3 (170-177 M) Average Limit Per result
1	Fluoride (as F ⁻)	1.00 / 0.432	1.00 / 0.494	1.00 / 0.562
2	Iron (As Fe ⁺)	1.00 / 0.460	1.00 / 0.850	1.00 / 1.43
3	Total Arsenic (As As)	0.01 / 0.006	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 :- 24.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 168.0 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 246.2 Meter	
AGI :- 00.50 Meter	
BGL :- 245.70 Meter	
12. 90mm dia uPVC :- 180.5x2=361 Meter	
13. Date of Lowering :- 09.12.2023	

Recommended & Prepared by M/S. NCC Ltd.

Verified by M/S. Ceinsys Tech Ltd.

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BASHA BHOOR, BLOCK- PHOOLBEHAD, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 275 mtrs. depth. and Logged depth 250 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 30.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 = 21.30 Ohms.

Drilling Water Resistivity = 22.77 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 23	3	Fine sand	
4.	23 - 39	16	Clay kankar	
5.	39 - 41	2	Fine sand	
6.	41 - 61	20	Clay kankar	
7.	61 - 71*	10	Fine to Medium sand	Good
8.	71 - 79	8	Clay kankar	
9.	79 - 88*	9	Medium sand	Good
10.	88 - 102	14	Clay kankar	
11.	102 - 122*	20	Medium sand	Good
12.	122 - 128	6	Kankar	
13.	128 - 142*	14	Medium sand	Good
14.	142 - 151	9	Kankar	
15.	151 - 159*	8	Medium sand	Good
16.	159 - 170	11	Clay kankar	
17.	170 - 177*	7	Fine to Medium sand	Good
18.	177 - 180	3	Clay kankar	
19.	180 - 218*	38	Medium sand & kankar	Good
20.	218 - 226	8	Clay kankar	
21.	226 - 241*	15	Medium sand	Good
22.	241 - 248	7	Clay kankar	
23.	248 - 250	2	Fine to Medium sand	Good

Ground Water Survey Consultancy

