

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Kumena Zone-2 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

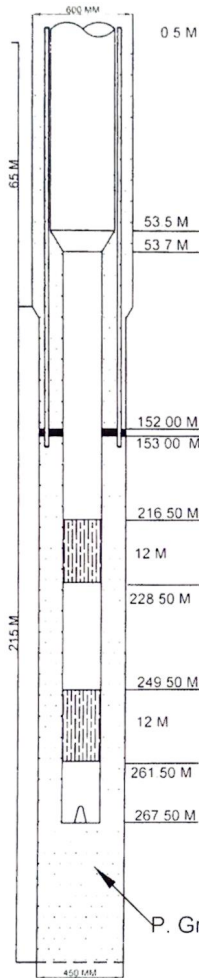
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

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

Lowered Assembly Chart of T. W of G.P. of Kumena Zone-2 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface soil
5-8 M. Clay Kankar
8-20 M. Med Sand
20-30 M. Clay Kankar
30-39 M. Medium Sand
39-60 M. Clay Kankar
60-80 M. Medium Sand
80-100 M. Clay Kankar
100-120 M. Med Sand
120-123 M. Clay Kankar
123-150 M. Med Sand
150-180 M. Clay Kankar
180-207 M. Medium Sand
207-211 M. Clay Kankar
211-230 M. Med Sand
230-249 M. Clay Kankar
249-270 M. Med Sand.
270-274 M. Clay Kankar
274-278 M. Fine to Med Sand
278-280 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 850 LPM
4	Bore Size (MM) - 600x450
5	Assembly Size (MM) - 300 x 150
6	Drilling Starting Date - 08.12.2023
7	Drilling Completion Date - 12.12.2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 13.12.2023
10	Logging Depth - 280 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	60-80	20	Fine to Medium Sand (Good All)
2	100-120	20	
3	123-150	27	
4	180-207	27	
5	211-230	19	
6	249-270	21	

Sr No	Description	Zone 1 (249-270 M) Average LPM / Meter	Zone 2 (211-230 M) Average LPM / Meter	Zone 3 (180-207 M) Average LPM / Meter
1	Fluoride (as F) ⁻	1.00 / 0.485	1.00 / 0.920	1.00 / 0.843
2	Iron (As Fe) ⁺	1.00 / 0.580	1.00 / 0.750	1.00 / 1.980
3	Total Arsenic (As As)	0.01 / 0.004	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 - 192.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 268.00 Meter	
AGI - 00.50 Meter	
BGL - 267.50 Meter	
12	90mm dia uPVC - 154.5x2=309 Meter
13	Date of Lowering - 21.12.2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd

M/S. Ceinsys Tech Ltd

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHUMENA ZONE -2, 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 13.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 = 19.34 Ohms.

Drilling Water Resistivity = 20.71 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 20	12	Medium sand	Good
4.	20 - 30	10	Clay kankar	
5.	30 - 39	9	Medium sand	Good
6.	39 - 60	21	Clay kankar	
7.	60 - 80*	20	Medium sand	Good
8.	80 - 100	20	Clay kankar	
9.	100 - 120*	20	Medium sand	Good
10.	120 - 123	3	Clay kankar	
11.	123 - 150*	27	Medium sand	Good
12.	150 - 180	30	Clay kankar	
13.	180 - 207*	27	Medium sand	Good
14.	207 - 211	4	Clay kankar	
15.	211 - 230*	19	Medium sand	Good
16.	230 - 249	19	Clay kankar	
17.	249 - 270*	21	Medium sand	Good
18.	270 - 274	4	Clay kankar	
19.	274 - 278	4	Fine to Medium sand	Good
20.	278 - 280	2	Clay kankar	

Ground Water Survey Consultancy

