

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Murthikhera, Block-Mohammadi, 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

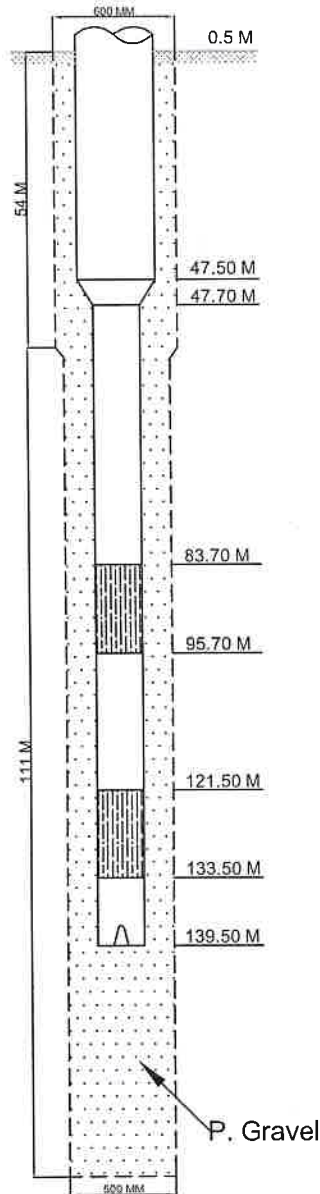
Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 313/ED/2022-23/V Dt. 02 August, 2022

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

Strata

0-3 M, Surface Clay
5-20 M, Clay Kankar
20-37 M, Medium Sand
37-50 M, Clay Kankar
50-56 M, Medium Sand
56-62 M, Clay Kankar
62-111 M, Fine To Medium Sand & Kankar
111-115 M, Clay Kankar
115-134 M, Medium Sand & Kankar
134-140 M, Clay Kankar
140-160 M, Medium Sand & Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 600 LPM
4	Bore Size (MM)	:- 500x450
5	Assembly Size (MM)	:- 200 x 150
6	Drilling Starting Date	:- 09.09.2022
7	Drilling Completion Date	:- 12.09.2022
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 16.09.2022
10	Logging Depth	:- 165 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
			(Good All)
1	20-37	17	
2	50-56	6	
3	62-111	49	
4	111-115	4	
5	140-160	20	

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 24.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 67.80 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 140.00 Meter
AGI	:- 00.50 Meter
BGL	:- 139.50 Meter
12. Date of Lowering	:- 17.09.2022

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

Recommended by

J.E.

13th Division UP Jal Nigam (R) Lucknow

Approved by

A.E.

13th Division UP Jal Nigam (R) Lucknow

E.E.

13th Division U.P Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 195 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 16.Sep.2022.

Logging Parameters - 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 = 22.75 Ohms.

Drilling Water Resistivity = 24.26 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 - 37	17	Medium sand	Good
4.	37 - 50	13	Clay kankar	
5.	50 - 56*	6	Medium sand	Good
6.	56 - 62	6	Clay kankar	
7.	62 - 111*	49	Fine to Med. sand & Kankar	Good
8.	111 - 115	4	Clay kankar	
9.	115 - 134*	19	Medium sand & kankar	Good
10.	134 - 140	6	Clay kankar	
11.	140 - 160*	20	Medium sand & Kankar	Good
12.	160 - 165	5	Clay kankar	



Logging performed as per
SWSM guidelines.
Groundwater quality
interpreted by firm as per
their log per calibration

Scanned with CamScanner