

**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Ram Nagar Lahbari, Block- Ramia Behar, 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

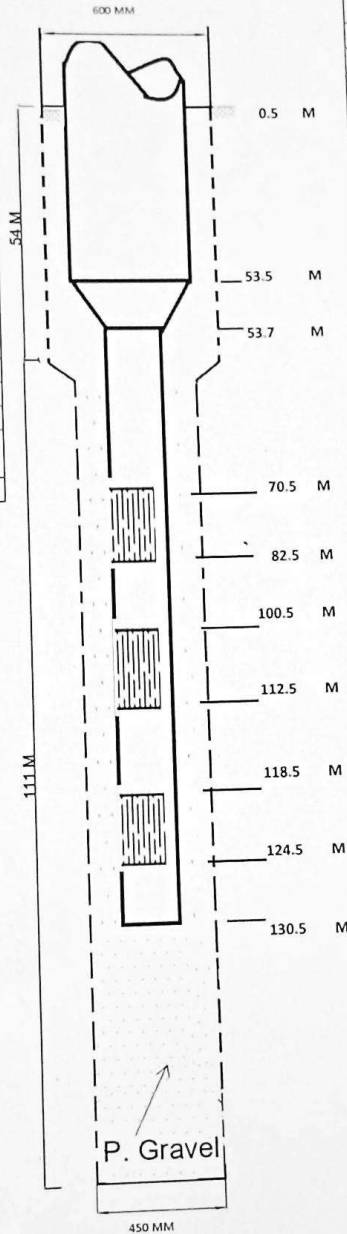
Name Of TPI :- Ceinsys Tech Limited

Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021

Cover Agreement :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023

**Lowered Assembly Chart of T. W of Ram Nagar Lahbari G.P W/S Scheme District :- Lakhimpur Kheri.**

Strata		
0	-	5 M, Surface Soil
5	-	10 M, Clay Kankar
10	-	25 M, Sand & Kankar
25	-	30 M, Clay Kankar
30	-	40 M, Medium Sand
40	-	45 M, Clay Kankar
45	-	83 M, medium Sand & Kankar
83	-	97 M, Clay Kankar
97	-	126 M, Medium Sand & Kankar
126	-	135 M, Clay Kankar
135	-	140 M, fine to medium
140	-	145 M, Clay Kankar
145	-	165 M, medium Sand & Kankar
165	-	0 M, Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 900 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 20-05-2023
7	Drilling Completion Date	:- 24-05-2023
8	Total Depth Of Drilling	:- 170 M
9	Logging Date	:- 25-05-2023
10	Logging Depth	:- 168 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	45 - 83	38	(Good All)
2	97 - 126	29	
3	135 - 140	5	
4	145 - 165	20	

11 Details of Lowered Assembly				
i)	300	MM Dia Housing Pipe	:-	54.0 M
ii)	150	MM Dia M. S. Slotted pipe	:-	30.0 M
iii)	150	MM Dia M. S. Plain pipe	:-	46.8 M
iv)	300 X 150	MM Dia M S Reducer	:-	0.2 M
Total :-				131.00 Meter
AGL :-				0.50 Meter
BGL :-				130.50 Meter
12	Date of Lowering			:- 26-05-2023

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  
VIKAS R. YADAV  
JUNIOR ENGINEER  
DIVISIONAL OFFICE (E&M)  
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Recommended by  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAM NAGAR LAHBARI, BLOCK- RAMIYABEHAD,  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth ~~168~~ 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 25.May.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 = 21.31 Ohms.

Drilling Water Resistivity = 22.60 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 25	15	Sand & kankar	
4.	25 - 30	5	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 45	5	Clay kankar	
7.	45 - 83*	38	Medium sand & kankar	Good
8.	83 - 97	14	Clay kankar	
9.	97 - 126*	29	Medium sand & kankar	Good
10.	126 - 135	9	Clay kankar	
11.	135 - 140*	5	Fine to Medium sand	Good
12.	140 - 144	4	Clay kankar	
13.	144 - 165*	21	Medium sand & kankar	Good
14.	165 - 168	3	Clay kankar	

Ground Water Survey Consultancy  
Agra



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

G.Sh  
26/05/23