

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Jethra, Block- Ishanagar, 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

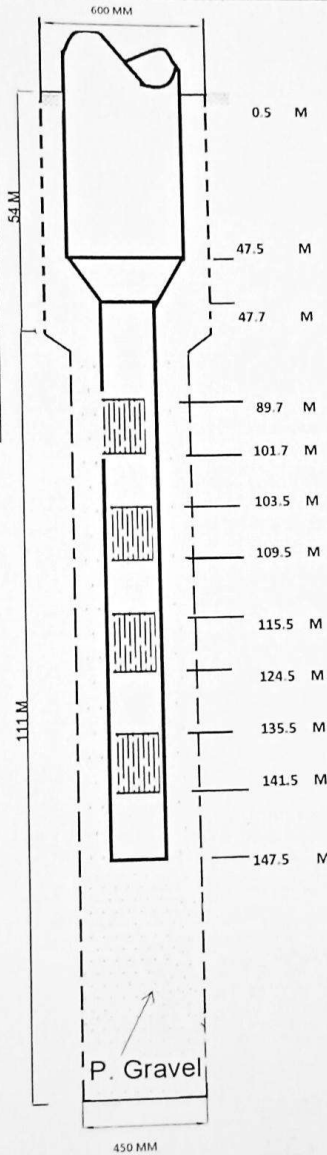
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 283/ED/Phase-2/2022-23/IX Dt. 03 Jan 2023

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

Strata		
0	-	5 M Surface Soil
5	-	8 M Clay Kankar
8	-	20 M Medium Sand
20	-	25 M Clay Kankar
25	-	48 M Medium Sand
48	-	55 M Clay Kankar
55	-	75 M Medium Sand
75	-	88 M Clay Kankar
88	-	110 M Medium Sand & Kankar
110	-	115 M Clay Kankar
115	-	125 M Medium Sand
125	-	135 M Clay Kankar
135	-	150 M Medium Sand
150	-	162 M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1250 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 200
6	Drilling Starting Date	:- 23-05-2023
7	Drilling Completion Date	:- 27-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 28-05-2023
10	Logging Depth	:- 162 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	55 - 75	20	(Good All)
2	88 - 110	22	
3	115 - 125	10	
4	135 - 150	15	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	200	MM Dia M. S. Slotted pipe	:- 30.0 M
iii)	200	MM Dia M. S. Plain pipe	:- 69.5 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
Total :-			147.70 Meter
AGL :-			0.50 Meter
BGL :-			147.20 Meter
12	Date of Lowering	:-	29-05-2023

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.
13th Division UP Jal Nigam (R) Lucknow

Recommended by
13th Division UP Jal Nigam (R) Lucknow

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

Vinod Kumar
Assistant Engineer
Divisional officer (E&M)
U.P. Jal Nigam (R)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 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 28.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 = 22.34 Ohms.

Drilling Water Resistivity = 23.60 Ohms.

Approx Water Level = 5 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 - 25	5	Clay Kankar	
5.	25 - 48	23	Medium sand	Good
6.	48 - 55	7	Clay kankar	
7.	55 - 75*	20	Medium sand.	Good
8.	75 - 88	13	Clay kankar	
9.	88 - 110*	22	Medium sand & kankar	Good
10.	110 - 115	5	Clay kankar	
11.	115 - 125*	10	Medium sand	Good
12.	125 - 135	10	Clay kankar	
13.	135 - 150*	15	Medium sand	Good
14.	150 - 162	12	Clay kankar	

G.Sh
29/05/23



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