

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Laukahi Mallapur, 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

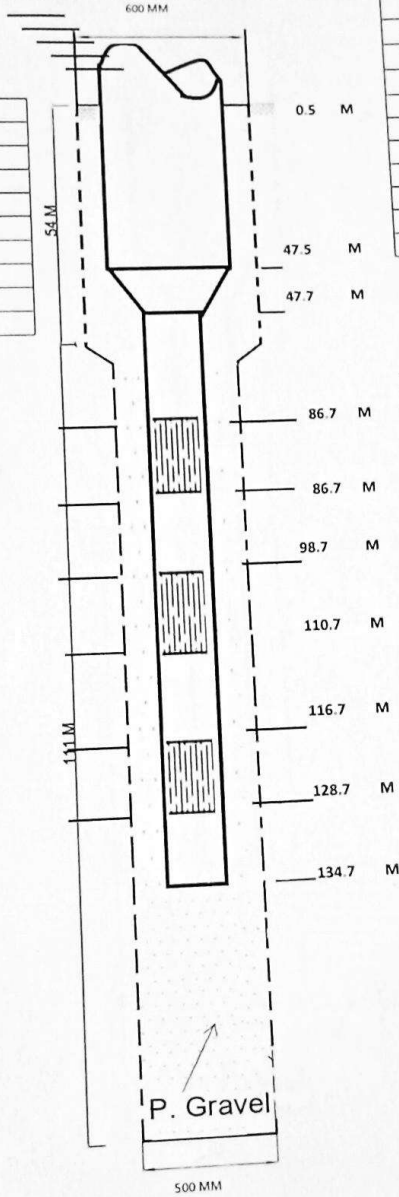
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023

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

Strata		
0	-	5 M, Surface Soil
5	-	15 M, Fine Sand
15	-	20 M, Clay Kankar
20	-	50 M, Medium Sand
50	-	60 M, Kankar
60	-	90 M, Medium Sand
90	-	96 M, Clay Kankar
96	-	130 M, Medium Sand
130	-	142 M, Clay Kankar
142	-	155 M, Medium Sand



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	
3	Required Discharge	1280 LPM
4	Bore Size (MM)	600 X 500
5	Assembly Size (MM)	300 X 200
6	Drilling Starting Date	31-05-2023
7	Drilling Completion Date	04-06-2023
8	Total Depth Of Drilling	165 M
9	Logging Date	05-06-2023
10	Logging Depth	155 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	5 - 64	59	(Good All)
2	20 - 82	62	
3	60 - 100	40	
4	96 - 127	31	
5	142 - 155	13	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	200	MM Dia M. S. Slotted pipe	33.0 M
iii)	200	MM Dia M. S. Plain pipe	54.0 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
Total :-			135.20 Meter
AGL :-			0.50 Meter
BGL :-			134.70 Meter
12	Date of Lowering		06-06-2023

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

Recommended by
ASHISH KUMAR
JUNIOR ENGINEER
DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

Recommended by

Vinod Kumar
A E
13th Division U.P. Jal Nigam (R) Lucknow
Divisional Officer (E&M)
U.P. Jal Nigam (R)
Lucknow

Approved by

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LAUKAHI MALLAPUR, BLOCK- ISHANAGAR,
DISTT-LAKHIMPUR KHIRI

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~155~~ 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 05.June.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 = ~~24.42~~ Ohms.

Drilling Water Resistivity = ~~25.61~~ 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 - 15	10	Fine sand	Good
3.	15 - 20	5	Clay kankar	
4.	20 - 50	30	Medium sand	Good
5.	50 - 60	10	Kankar	
6.	60 - 90*	30	Medium sand	Good
7.	90 - 96	6	Clay kankar	
8.	96 - 130*	34	Medium sand	Good
9.	130 - 142	12	Clay kankar	
10.	142 - 155*	13	Medium sand	Good

Ground Water Survey Consultancy



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

GSh
06/06/23