

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Barsola Kalan, Block- Nighasan, District, Lakhimpur Kheri. *2020.1*

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

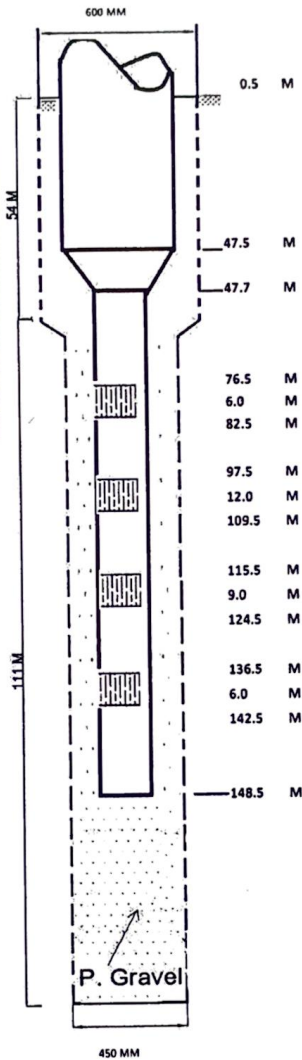
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

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

Strata		
47	-	5 M, Surface Soil
5	-	10 M, Clay
10	-	25 M, Fine To Medium
25	-	30 M, Clay Kankar
30	-	42 M, Medium Sand
42	-	47 M, Clay Kankar
47	-	70 M, Medium Sand
70	-	75 M, Clay Kankar
75	-	84 M, Medium Sand
84	-	96 M, Clay Kankar
96	-	125 M, Medium Sand
125	-	134 M, Clay Kankar
134	-	144 M, Fine To Medium
144	-	156 M, Clay
156	-	163 M, Medium Sand
163	-	165 M, Clay



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1360 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 200
6	Drilling Starting Date	:- 15-05-2023
7	Drilling Completion Date	:- 19-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 20-05-2023
10	Logging Depth	:- 165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	47 - 70	23	All Good
2	75 - 84	9	
3	96 - 125	29	
4	134 - 144	10	
5	156 - 163	7	

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	:- 67.8 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
Total :-			149.00 Meter
AGL :-			0.50 Meter
BGL :-			148.50 Meter
12	Date of Lowering	:-	21-05-2023

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

J.E
J.E

13th Division UP Jal Nigam (R) Lucknow

Recommended by

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARSOLA KALAN, BLOCK- NIGHASAN,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~165~~ 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 20.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 = 21.36 ~~Ohms~~.

Drilling Water Resistivity = 22.64 ~~Ohms~~.

Approx Water Level = 3 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	Fine to medium sand	Good
4.	25 - 30	5	Clay kankar	
5.	30 - 42	12	Medium sand	Good
6.	42 - 47	5	Clay kankar	
7.	47 - 70*	23	Medium sand	Good
8.	70 - 75	5	Clay kankar	
9.	75 - 84*	9	Medium sand	Good
10.	84 - 96	12	Clay kankar	
11.	96 - 125*	29	Medium sand	Good
12.	125 - 134	9	Clay kankar	
13.	134 - 144*	10	Medium sand	Good
14.	144 - 156	12	Kankar	
15.	156 - 163*	7	Medium sand	Good
16.	163 - 165	2	Clay kankar	

GCh
20/05/23



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