

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. KHAMEREYA, Block- Nighasan, 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

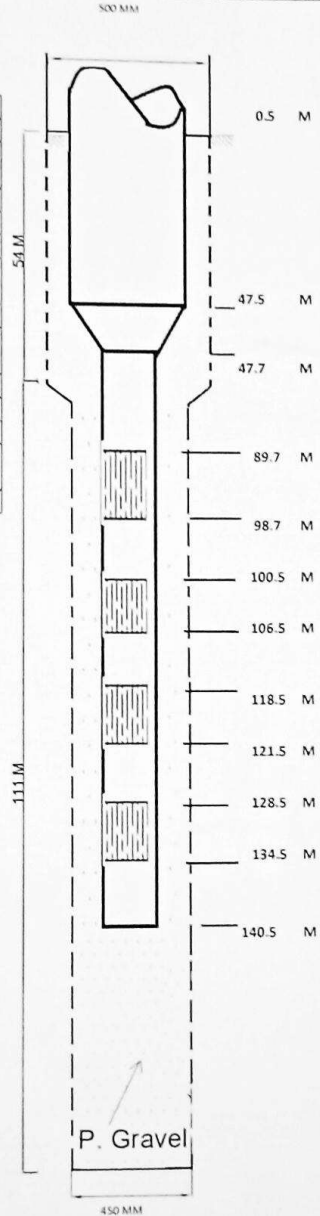
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

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

Strata		
0	-	5 M Surface Soil
5	-	10 M Clay Kankar
10	-	26 M Fine to medium sand
26	-	45 M Clay Kankar
45	-	79 M Medium Sand
79	-	86 M Clay Kankar
86	-	107 M Medium Sand & Kankar
107	-	118 M Clay Kankar
118	-	122 M Fine to medium sand
122	-	128 M Clay Kankar
128	-	135 M Medium sand
135	-	141 M Clay Kankar
141	-	154 M Medium sand & Kankar
154	-	162 M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 600 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 X 150
6	Drilling Starting Date	:- 27-05-2023
7	Drilling Completion Date	:- 31-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 01-06-2023
10	Logging Depth	:- 162 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	45 - 79	34	
2	86 - 107	21	
3	118 - 122	4	
4	128 - 135	7	
5	141 - 154	13	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 24.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 68.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	:- 141.00 Meter
		AGL	:- 0.50 Meter
		BGL	:- 140.50 Meter
12	Date of Lowering	:-	02-06-2023

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

Approved by
Vinod Kumar
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Divisional Officer (E&M)
U.P. Jal Nigam (R)
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHAMARIYA, BLOCK- NIGHASAN, 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 01.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 = 24.58 Ohms.

Drilling Water Resistivity = 25.66 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 - 10	5	Clay kankar	
3.	10 - 26	16	Fine to Medium sand	Good
4.	26 - 44	18	Clay kankar	
5.	44 - 79*	35 34	Medium sand	Good
6.	79 - 86	7	Clay kankar	
7.	86 - 107*	21	Medium sand & kankar	Good
8.	107 - 118	11	Clay kankar	
9.	118 - 122*	4	Fine to Medium sand	Good
10.	122 - 128	6	Clay kankar	
11.	128 - 135*	7	Medium sand	Good
12.	135 - 141	6	Clay kankar	
13.	141 - 154*	13	Medium sand & kankar	Good
14.	154 - 162	8	Clay kankar	

G.Sh
02/06/23



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