

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Dalpur Grant, Block-Bankeyganj, 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

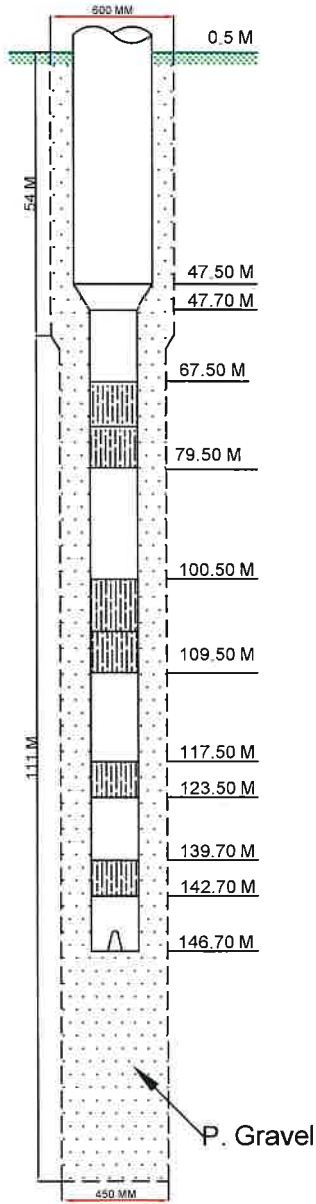
Name of TPI :- Ceinsys Tech Limited

Contract Agreement :- 64/ED/2020-21 Dated on 12.03.2021

Cover Agreement :- 313/ED/2022-23/V Dt. 02 August, 2022

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

Strata	
0-5 M, Surface soil	
5 - 20M, Sandy Clay,	
20-29 M, Clay Kankar ,	
29-39 M, Medium Sand	
39-52 M, Clay Kankar,	
52-62 M, Medium sand,	
62-65 M, Clay Kankar ,	
80-85 M, Clay Kankar ,	
85-131 M, Medium Sand & Kankar	
131-139 M, Clay Kankar ,	
85-131 M, Medium Sand ,	
131-139 M, Clay Kankar ,	
139-155 M, Medium Sand ,	
155-160 M, Clay ,	



1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1100 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 23.07.2022
7	Drilling Completion Date	:- 27.07.2022
8	Total Depth Of Drilling	:- 166.0 M
9	Logging Date	:- 28.07.2022
10	Logging Depth	:- 160.0 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	0-5	5	Fine to Medium Sand (Good All)
2	5-20	15	
3	20-29	9	
4	29-39	10	
5	39-52	13	
6	52-62	10	
7	62-65	3	
8	65-80	15	
9	80-85	5	
10	85-131	46	
11	131-139	8	
12	139-155	16	
13	155-160	5	

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe	:- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 30 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 69 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 147.2 Meter
AGI	:- 00.50 Meter
BGL	:- 146.7 Meter
12. Date of Lowering	:- 30.07.2022

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R) Lucknow

13th Division UP Jal Nigam (R) Lucknow

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DALPUR, BLOCK- BANKEYGANJ
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 166 mtrs. depth. and Logged depth 160 mtrs. at above site. Was drilled by M/s NCC Ltd., Lakhimpur Khiri.

On the request of M/s NCC Ltd., Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.July.2022.

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 = 20.06 Ohms.

Drilling Water Resistivity = 21.68 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Sandy clay	
3.	20 - 29	9	Clay Kankar	
4.	29 - 39	10	Medium Sand	Good
5.	39 - 52	13	Clay Kankar	
6.	52 - 62*	10	Medium Sand	Good
7.	62 - 65	3	Clay Kankar	
8.	65 - 80*	15	Medium Sand	Good
9.	80 - 85	5	Clay Kankar	
10.	85 - 131*	46	Medium Sand & Kankar	Good
11.	131 - 139	8	Clay Kankar	
12.	139 - 155*	16	Medium Sand	Good
13.	155 - 160	5	Clay	

- Sr No 10 - is highly intermixed with thin bands of kankar.

Ground Water Survey Consultancy



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

ASSISTANT HYDROGEOLOGIST
RURAL
AGRA