

**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Dhakerwakhalsa, Block- Nighasan, District, Lakhimpur Kheri. **T/W-2**

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

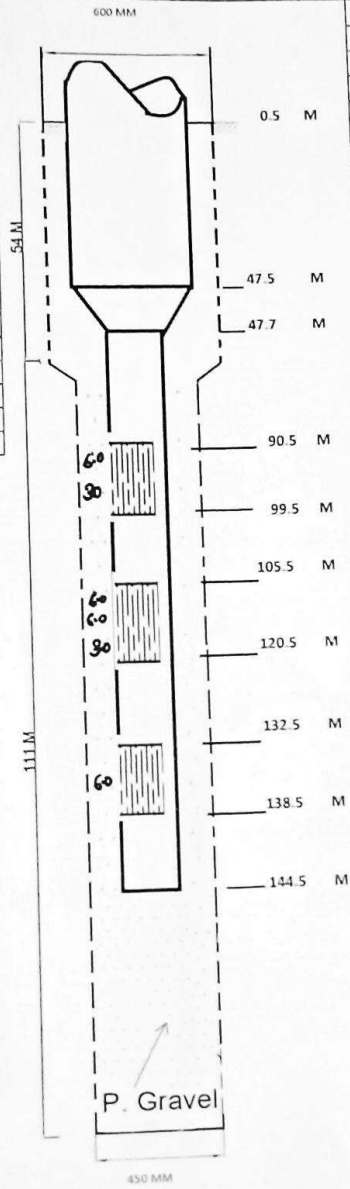
Name Of TPI :- Ceinsys Tech Limited

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

Cover Agreement :- 313/ED/2022-23/V Dt. 02.08.2022

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

Strata		
0	-	5 M Surface Soil
5	-	10 M Clay Kankar
10	-	15 M Fine Sand
15	-	20 M Clay Kankar
20	-	42 M Medium Sand
42	-	54 M Clay Kankar
54	-	82 M Medium Sand & Kankar
82	-	90 M Clay Kankar
90	-	100 M Medium Sand
100	-	105 M Clay Kankar
105	-	121 M Medium Sand
121	-	130 M Clay Kankar
130	-	155 M Medium Sand
155	-	160 M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 950 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 21-05-2023
7	Drilling Completion Date	:- 25-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 26-05-2023
10	Logging Depth	:- 160 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	54 - 82	28	(Good All)
2	90 - 100	10	
3	105 - 121	16	
4	130 - 155	25	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 30.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 66.8 M
iv)	300 X 150	MM Dia M S Reducer	:- 6.2 M
Total			:- 145.00 Meter
AGL			:- 0.50 Meter
BGL			:- 144.50 Meter
12	Date of Lowering	:-	27-05-2023

Recommended & Prepared by  
M/S. NCC Ltd.

Verified by  
M/S. Ceinsys Tech Ltd.

Recommended by  
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LUCKNOW

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Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DAKHERWA KHALSA, BLOCK- NIGHASAN,  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 160 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 26.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 = 22.70 Ohms.

Drilling Water Resistivity = 23.59 Ohms.

Approx Water Level = 8 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 - 15	5	Fine sand	Good
4.	15 - 20	5	Clay kankar	
5.	20 - 42	22	Medium sand	Good
6.	42 - 52	10	Clay kankar	
7.	52 - 82*	30	Medium sand & kankar	Good
8.	82 - 90	8	Clay kankar	
9.	90 - 100*	10	Medium sand	Good
10.	100 - 105	5	Clay kankar	
11.	105 - 121*	16	Medium sand	Good
12.	121 - 130	9	Clay kankar	
13.	130 - 155*	25	Medium sand	Good
14.	155 - 160	5	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration.  
G.S.H.  
26/05/23