

COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P - Madia, Block -Behjam ,Distt. Lakhimpur

NAME OF PROGRAMME :- JJM-3,

NAME OF CLIENT :- SW.S.M. & U.P.JAL NIGAM

NAME OF CONTRACTOR :- M/S NCC Limited

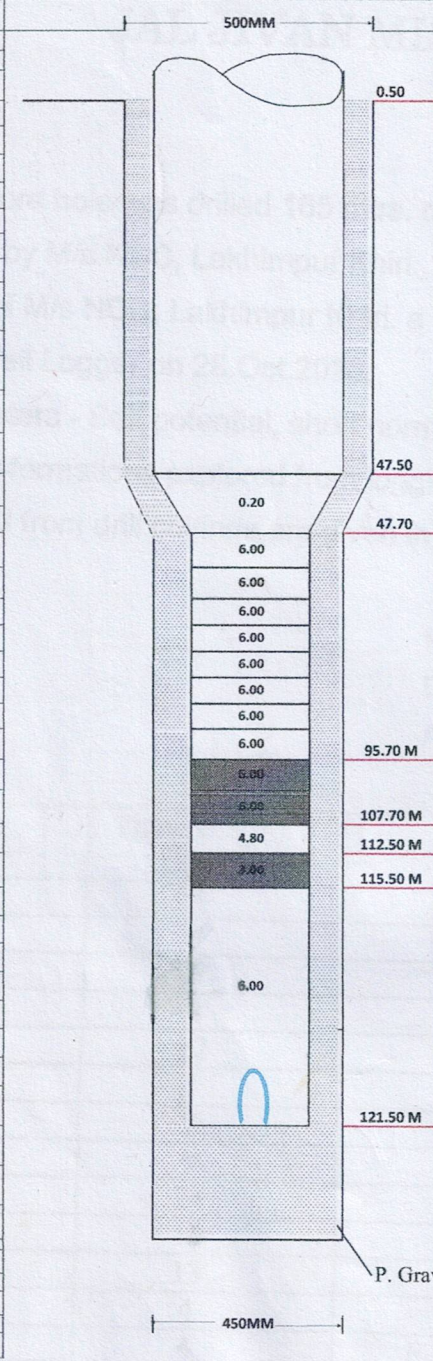
NAME OF TPI :- Ceinsys Tech Limited

CONTRACT AGREEMENT :- 12/ED/Phase-3/2022-23 Dated on 24.12.2022

COVER AGREEMENT :- 496/ED/Phase-3/2022-23/XX-20085332

Lowered Assembly Chart of T.W. of G.P-Madia, Block -Behjam ,Distt. Lakhimpur

Strata	
0-5	Surface soli
5-8	Clay
8-14	Fine Sand
14-18	Clay kankar
18-40	Medium Sand
40-45	Clay kankar
45-52	Medium Sand
52-61	Clay kankar
61-85	Medium Sand
85-95	Clay kankar
95-108	Medium Sand
108-112	Clay kankar
112-116	Medium Sand
116-131	Clay kankar
131-140	Medium Sand
140-165	Clay kankar



ABSTRACT	
1-	Type of Rig Machine R.C. CUM D.C.
2-	Required Discharge 270 LPM
3-	Bore Size (MM) 500x450
4-	Assembly size (MM) 200x150
5-	Drilling Starting Date 21-10-2023
6-	Drilling Completion Date 27-10-2023
7-	Total Depth of Drilling 165 Mtr
8-	Logging Date 28-10-2023
9-	Logging Depth 165 Mtr

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbl)	Thickness (M.)	Lithology	Remarks
1	45-52	7	Mediun Sand	Good
2	61-85	24	Mediun Sand	Good
3	95-108	13	Mediun Sand	Good
4	112-116	4	Fine to M.S.	Good
5	131-140	9	Fine to M.S.	Good

(G.Shukla)
Verified by Asst Hydrologist
Circle Office (E&M) U.P
Jal Nigam (Rural)

(A.K Singh)
Verified By Geophysicist
GIC Lucknow.

Details of Lowered Assembly	
11	
(i)	200 mm Dia Housing Pipe 48.00 Meter
(ii)	150 mm Dia M.S Slotted Pipe 15.00 Meter
(iii)	150 mm Dia M.S Plain Pipe 58.80 Meter
(iv)	200 X 150 mm Dia M.S Reducer 0.20 Meter
Total 122.00	
AGL 0.50	
BGL 121.50	
Date Of Lowering 30-10-2023	

Recommended & Prepared by Verified & Checked By Recommended By Approved By



TPI
M/s Ceinsys Tech Ltd

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J.E.
Divisional Office (E&M)
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MADIA, BLOCK- BEHJAM, 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 28.Oct.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 = 20.32 Ohms.

Drilling Water Resistivity = 19.74 Ohms.

Approx Water Level = 1 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 14	6	Fine sand	
4.	14 - 18	4	Clay kankar	
5.	18 - 40	22	Mdium sand	Good
6.	40 - 45	5	Clay kankar	
7.	45 - 52*	7	Medium sand	Good
8.	52 - 61	9	Clay kankar	
9.	61 - 85*	24	Medium sand	Good
10.	85 - 95	10	Clay kanakar	
11.	95 - 108*	13	Medium sand	Good
12.	108 - 112	4	Clay kankar	
13.	112 - 116*	4	Fine to medium sand	Good
14.	116 - 131	15	Clay kankar	
15.	131 - 140*	9	Fine to medium sand	Good
16.	140 - 165	25	Clay kankar	

Ground Water Survey Consultancy

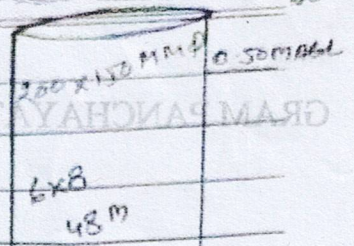


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JIVANDEEP

Date 30/10/2023 G.P Madia

WL. Block Bahjam Khara
 R. Ditch: 270 x 150 mm
 A- Size: 200 x 150 mm
 B- Size: 500 x 450 mm



Logging Date: 2-10-2023

1/7	45-52 - 7 m		
2/9	61-85 - 24 m		47.8
3/11	95-108 - 13 m - 12		47.70
4/13	112-116 - 4 m - 3	6.00	
5/15	131-140 - 9 m -	6.00	
		6.00	
		6.00	
		6.00	
		6.00	
1-	200 mm ϕ Housing - 48.00 m	6.00	48.00 - 95.70
2-	150 mm ϕ Plain - 58.80 m		6.00 -
3-	150 mm ϕ Slot - 15.00 m		6.00 - 107.70
4-	200 x 150 mm Reducer - .20 122.00 m with Abt	4.80	- 112.50
			3.00 - 115.50
	AS per DPR. Assembly size - 150 x 150	0	6.00 - 121.50

Assembly change to 200 x 150 mm ϕ .

Expected Water Quality	Surface soil	2		
	Clay	3		
	Fine sand	6		
	Clay kankar	4		
Good	Medium sand	22		
	Clay kankar	2		
Good	Medium sand	7		
	Clay kankar	9		
Good	Medium sand	24		
	Clay kankar	10		
Good	Medium sand	19		
	Clay kankar	4		
Good	Fine to medium sand	4		
	Clay kankar	12		
Good	Fine to medium sand	9		
	Clay kankar	23		

Base collapse 37.77 m

