

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Inayat Chief Grant, Block- Mitauli, District, Lakhimpur Kheri.

Name of Program :- J.J.M-3

Name of client :- S.W.S.M. & U.P. AL NIGAM (R)

Name of Contractor :- M/S NCC Limited

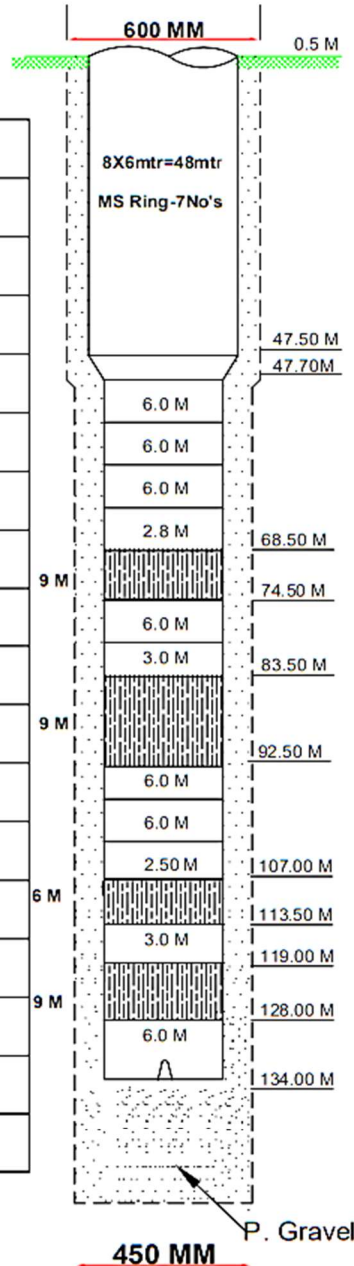
Name of TPI :- Ceinsys Tech Limited

Cover Agreement :- 464/ED/Phase 2/2022-23/XI

Lowered Assembly Chart of T. W of G.P. Inayat Chief Grant, Block-Mitauli

Strata

0-5 mtr Surface Soil
5-10 mtr Clay
10-15 mtr F.Sand
15-23 mtr Clay Kankar
23-50 mtr Medium Sand
50-56 mtr Clay Kankar
56-75 mtr Medium Sand
75-83 mtr Clay Kankar
83-100 mtr Medium Sand
100-107 mtr Clay Kankar
107-113 mtr Medium Sand
113-118 mtr Clay Kankar
118-132 mtr Medium Sand
132-140 mtr Clay Kankar
140-145 mtr Fine to Medium Sand
145-158 mtr Clay Kankar
158-165 mtr Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 1210 LPM
3	Bore Size (MM) :- 600x500
4	Assembly Size (MM) :- 300 x 200
5	Drilling Starting Date :- 02.04.2023
6	Drilling Completion Date :- 07.04.2023
7	Total Depth Of Drilling :- 165M
8	Logging Date :- 08.04.2023
9	Logging Depth :- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	23-50	27	Medium Sand	Good
2	56--75	19	Medium Sand	Good
3	83--100	17	Medium Sand	Good
4	107--113	6	Medium Sand	Good
5	118-132	14	Medium Sand	Good
6	140-145	5	Medium Sand	Good
7	158-165	7	Medium Sand	Good

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

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

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 48.0 Meter	
ii) 200 mm Dia M. S. Slotted pipe :- 30.00Meter	
iii) 200 mm Dia M. S. Plain pipe :- 56.30Meter	
iv) 300 x 200 mm Dia M S Reducer :- 0.20 Meter	
Total :- 134.50 Meter	
AGI :- 00.50 Meter	
BGL :- 134.00 Meter	
12. Date of Lowering :-	

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

J.E
13th Division UP Jal Nigam (R) Lucknow

A.E
13th Division UP Jal Nigam (R) Lucknow

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- INAYAT CHIEF GRANT, BLOCK- MITAULI,
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 08.April.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 = 23.51 Ohms.

Drilling Water Resistivity = 24.66 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 15	5	Fine sand	Good
4.	15 - 23	8	Clay kankar	
5.	23 - 50*	27	Medium sand	Good
6.	50 - 56	6	Clay kankar	
7.	56 - 75*	19	Medium sand	Good
8.	75 - 83	8	Clay kankar	
9.	83 - 100*	17	Medium sand	Good
10.	100 - 107	7	Kankar	
11.	107 - 113*	6	Medium sand	Good
12.	113 - 118	5	Clay kankar	
13.	118 - 132*	14	Medium sand	Good
14.	132 - 140	8	Clay kankar	
15.	140 - 145*	5	Fine to Medium sand	Good
16.	145 - 158	13	Clay kankar	
17.	158 - 165*	7	Medium sand	Good

Ground Water Survey Consultancy

