COMPLETION PLAN OF TUBEWELL

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

NAME OF PROGRAMME :- JJM-3,

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

NAME OF CONTRACTOR :- M/S NCC Limited

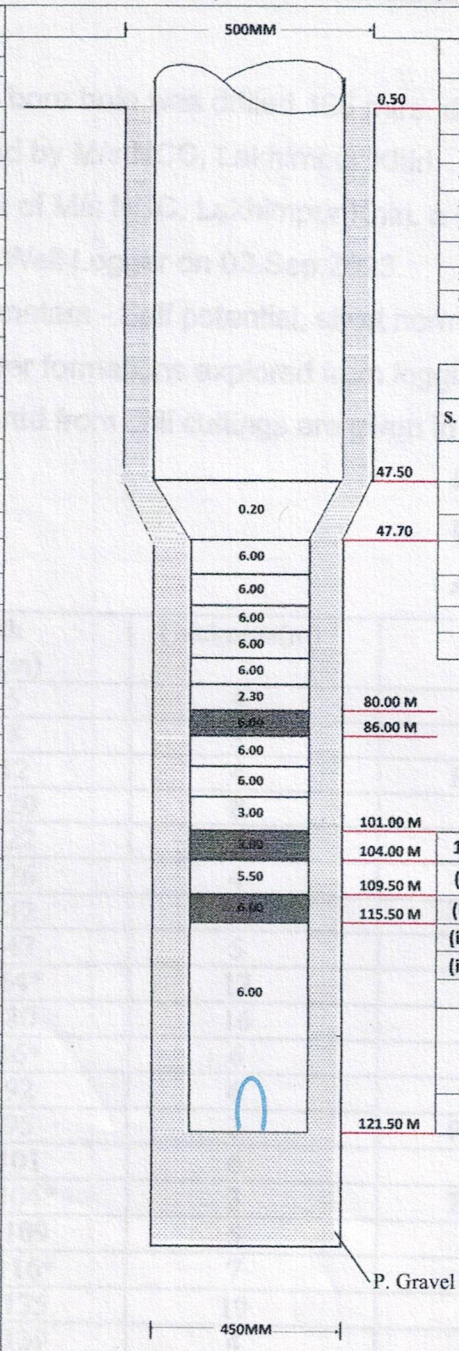
NAME OF TPI :- Ceinsys Tech Limited

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

COVER AGREEMENT :- 829/ED/Phase-3/2023-24/XXV, Dated 15.05.2023

Lowered Assembly Chart of T.W. of G.P-Saraiyan, Block -Mitauli ,Distt. Lakhimpur

Strata	
0-5	Surface soli
5-8	Clay
8-12	Fine to Medium Send
12-20	Clay kankar
20-22	Fine Sand
22-26	Clay kankar
26-42	Medium Sand
42-47	Clay kankar
47-64	Medium Sand
64-80	Clay kankar
80-86	Medium Sand
86-92	Clay kankar
92-95	Fine Medium Sand
95-101	Clay kankar
101-104	Fine Medium Sand
104-109	Clay kankar
109-116	Medium Sand
116-135	Clay kankar
135-139	Fine Sand
139-144	Clay kankar
144-155	Medium Sand
155-160	Clay kankar
160-162	Fine Sand
162-165	Clay kankar



ABSTRACT

1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	400 LPM
3-	Bore Size (MM)	500x450
4-	Assembly size (MM)	200x150
5-	Drilling Starting Date	26-08-2023
6-	Drilling Completion Date	02-09-2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	03-09-2023
9-	Logging Depth	165 Mtr

Logging Report By Water Investigation Ceter

S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	47-64	17	Medium Sand	Good
2	80-86	6	Medium Sand	Good
3	101-104	3	Fine to M.S.	Good
4	109-116	7	Medium Sand	Good
5	144-155	11	Medium Sand	Good

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

(A.K Singh)
Verfied By Geophysicist
GIC Luckmow.

11	Details of Lowered Assembly	
(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	05-09-2023

Recommended & Prepared by	Verified & Checked By	Recommended By	Approved By
M/s NCC LTD.	TPI M/s Ceincys Tech Ltd	J.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow	A.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow	E.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- SARRIYA, 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 03.Sep.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 = 18.20 Ohms.

Drilling Water Resistivity = 18.80 Ohms.

Approx Water Level = 2 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 - 12	4	Fine to medium sand	
4.	12 - 20	8	Clay kankar	
5.	20 - 22	2	Fine sand	
6.	22 - 26	4	Clay kankar	
7.	26 - 42	16	Medium sand	Good
8.	42 - 47	5	Clay kankar	
9.	47 - 64*	17	Medium sand	Good
10.	64 - 80	16	Clay kankar	
11.	80 - 86*	6	Medium sand	Good
12.	86 - 92	6	Clay kankar	
13.	92 - 95	3	Fine sand and kankar	Good
14.	95 - 101	6	Clay kankar	
15.	101 - 104*	3	Fine to medium sand	Good
16.	104 - 109	5	Clay kankar	
17.	109 - 116*	7	Medium sand	Good
18.	116 - 135	19	Clay kankar	
19.	135 - 139	4	Fine sand	Good
20.	139 - 144	5	Clay kankar	
21.	144 - 155*	11	Medium sand	Good
22.	155 - 160	5	Clay kankar	
23.	160 - 162	2	Fine sand	Good
24.	162 - 165	3	Clay kankar	

Ground Water Survey Consultancy
Agra

Date 03/09/2023 — G.P. Sarraiyan (सरैया)

NRE JIVANDEEP

Block METOLI Khurd

R. Disch: 400 LPM (18)

A. Size: 200 X 150 MM Φ

WL - 2.00 mtr

Logging Date: 03/09/2023

200 x 150 MM Φ — 0.50 M Add

6 x 8 = 48 mm

47.50

0.20 — 47.70

9. 47 - 64 = 17 m

11. 86 - 86 = 6 m — 6

18. 101 - 104 = 3 m — 3

17. 109 - 116 = 7 m — 6

21. 144 - 155 = 11 m

	6.00	
	6.00	
	6.00	
	6.00	
	6.00	
	2.30	32.30 = 80.00
80-86 / 1m		6.00 = 86.00
	6.00	
	6.00	
	3.00	15.00 = 101.00
101-104 / 3m		3.00 = 104.00
	5.50	= 109.50
109-116 / 7m		6.00 = 115.50
	0	6.00 = 121.50 mtr

(Vikas Yadav)