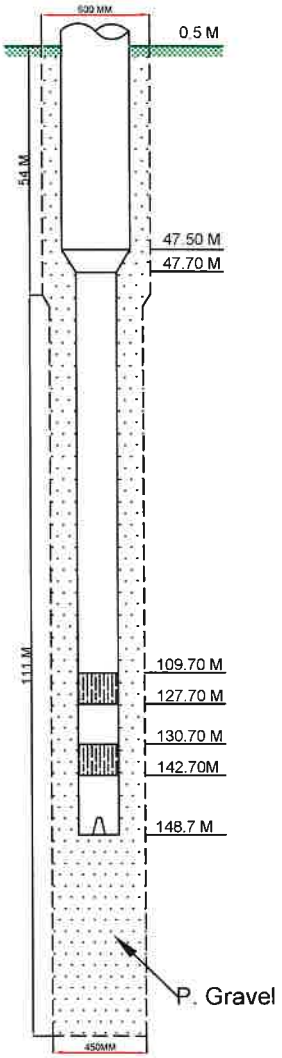
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Miyanpur, Block- Mohmmadi, 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. 02August, 2022

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

Strata
0-5 M, Surface Clay
5- 10M, Dry Sand
10-17M, Clay Kankar ,
17-35 M, Medium Sand
35-46 Clay Kankar ,
46-50 M, Fine To Medium Sand
50-55 M, clay kankar,
55-66 M, Medium sand
66-74 M, Clay Kankar
74-80 M, Medium sand ,
80-87 M, Clay Kankar
87-89 M, Fine Sand ,
89-92 M, Clay Kankar
92-95 M, Medium Sand,
95-108 M, Clay Kankar
108-150 M, Medium sand to kankar ,
150-162, Clay Kankar



	ABSTRACT		
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	800 LPM
4	Bore Size (MM)	:-	600x450
5	Assembly Size (MM)	:-	300 x 150
6	Drilling Starting Date	:-	20.07.2022
7	Drilling Completion Date	:-	24.07.2022
8	Total Depth Of Drilling	:-	165.0 M
9	Logging Date	:-	25.07.2022
10	Logging Depth	:-	162.00 M

Logging Report			
Sl.No	**Depth (mbgl)**	**Thickness (m)**	**Remarks**
1	0--5	5	**(Good All)**
2	5--10	5	
3	10--17	7	
4	17--35	18	
5	35--46	11	
6	46--50	4	
7	50--55	5	
8	55--66	11	
9	66-74	8	
10	74-80	06	
11	80-87	7	
12	87-89	2	
13	89-92	3	
14	92-95	3	
15	95-108	13	
16	108-150	42	
17	150-162	12	

11. Details of Lowered Assembly
i) 300 mm Dia Housing Pipe :- 48.00 Meter
ii) 150 mm Dia M. S. Slotted pipe :- 30.00 Meter
iii) 150 mm Dia M. S. Plain pipe :- 71.00 Meter
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 149.20 Meter AGl :- 00.50 Meter BGL :- 148.70 Meter
12. Date of Lowering :- 27.07.2022

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- MIYANPUR, BLOCK- MOHMMADI
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 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 25.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 = 24.90 Ohms.

Drilling Water Resistivity = 22.68 Ohms.

Approx Water Level = 10 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry Sand	
3.	10 - 17	7	Clay Kankar	
4.	17 - 35	18	Medium Sand	Good
5.	35 - 46	11	Clay Kankar	
6.	46 - 50	4	Fine to Medium Sand	Good
7.	50 - 55	5	Clay Kankar	
8.	55 - 66	11	Medium Sand	Good
9.	66 - 74	8	Clay Kankar	
10.	74 - 80*	6	Medium Sand	Good
11.	80 - 87	7	Clay Kankar	
12.	87 - 89	2	Fine Sand	Good
13.	89 - 92	3	Clay Kankar	
14.	92 - 95*	3	Medium Sand	Good
15.	95 - 108	13	Clay Kankar	
16.	108 - 150*	42	Medium Sand to Kankar	Good
17	150 - 162	12	Clay Kankar	

Ground Water Survey Consultancy Agra

- Logging performed as per SWS guidelines.
- Groundwater quality interpreted by from as per their logger calibration

ASSISTANT HYDROGEOLOGIST
YANTRIKIKRANDAI
SINCHAI
PRAYAGRAJ