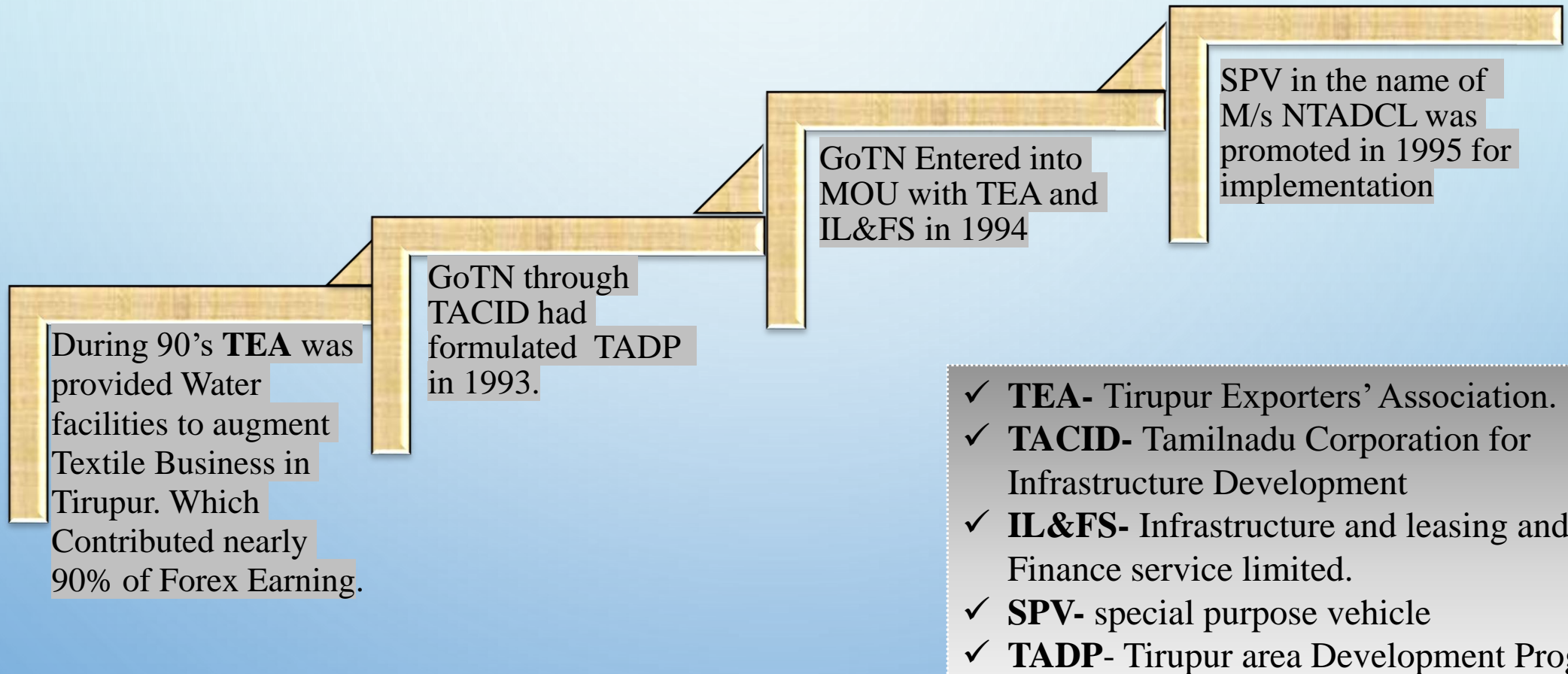


# **PROJECT MANAGEMENT CONSULTING...**



# BACKGROUND & FORMATION OF NTADCL



# BRIEF DETAILS OF NTADCL EXISTING PROJECT

New Tirupur Area Development Corporation Limited incorporated in 1995 as SPV.

**Mandate:** Water Supply, sewage water treatment and other infrastructure development within the TLPA area.

**Water supply Project :**  
185 million liter per day (MLD)

**Sewage treatment Project (STP) :** 15MLD Sewage Treatment facility.

**Execution mode :**  
Concession Agreement by GoTN, Tirupur Municipality on a PPP model.

**SPV: Special Purpose Vehicle**



## BRIEF DETAILS OF NTADCL WATER SUPPLY PROJECT (2005)

- Tirupur Corporation -38.96 MLD and additional 55 to 60 MLD of drinking water.
- 8 Village Panchayats - 18.26 MLD and additional 10 MLD of drinking water.
- 
- Other Industries – 45 MLD water supplied.
- cross subsidization model Pricing based on TWAD rates.
- Board of NTADCL was allowed to fix the rate for industries on cost recovery basis.

**MLD-** Million Liters  
Per Day

# BRIEF DETAILS OF SEWERAGE SYSTEM / LOW COST SANITATION

- ❑ A Domestic sewerage system in major parts of Tirupur Corporation has also been completed in 2007 with 15 MLD capacity.
- ❑ Currently up to 8 MLD of sewage from 15,246 sewer connections is collected for treatment.
- ❑ Currently, STP segment is contributing about ₹ 6 to 7 Crores revenue to the company per Annum.
- ❑ Low Cost Sanitation facilities through 31 sanitary complexes have also been provided for the urban for economically weaker people.





## APPOINTMENT OF CONSTRUCTION, MANAGEMENT AND SUPERVISION CONSULTANT(CMSC) BY TCMC

- TCMC has engaged NTADCL for assisting in preparation of DPR (Water supply & sewerage) this report have sectioned as a part of the AMRUT scheme.
- GoTN engaged NTADCL for 4<sup>th</sup> scheme as “CMSC” at contract value of ₹ 21.40 Crores is currently under construction.

**TCMC-** Tirupur City Municipal Corporation.

**AMRUT-** Atal Mission for Rejuvenation and Urban Transformation

## OBJECTIVES OF THIS CONSULTANCY

To prepare **DPR**, Detailed Design, Cost estimates, Bid documents etc., for Providing water supply and Underground sewage system in all zones of Tirupur corporation

Assist the Tirupur Corporation in obtaining administrative/technical sanction from competent authorities by submitting all relevant details

Preparation of suitable proposals for capacity building and training to strengthen the planning, implementing and Maintenance of the water supply

# KEY EXPERTS DEPUTED FOR THIS CONSULTANCY SERVICES

Team Composition -Key Experts	
S.No	Position
1	Team Leader cum Construction Management Expert
2	Construction Manager (2 Nos)
3	Waste Water and Drainage Expert
4	Process Engineer - Sewage Treatment Plant
5	Water Supply Expert
6	Process Engineer - Water Treatment Plant
7	Structural Engineering Expert
8	Electrical/Mechanical Engineering Expert
9	Environmental Safeguard Assistant
10	Social cum Resettlement Safeguard Assistant
11	Gender and community development/participation assistant
12	Field Engineers - Construction Supervision & others
13	Field Engineers - Commissioning and trial run period



## ONGOING WORK IN TIRUPPUR



- ✓ New Tirupur Area Development Corporation Limited (NTADCL) has started Detailed Project Report in 2016 and CMSC work started in 2019.
- ✓ Water supply Project was divided as 6 packages comprising of Raw water pump house , water treatment plant 196 million liters per day (MLD), transmission main, Distribution system in Tirupur corporation
- ✓ Sewage treatment Project was divided as 4 packages comprising of Collection system in sewer zones, pumping stations, Sewerage treatment plant (36MLD & 20MLD Sewage treatment plant)
- ✓ Project Cost of water supply - ₹ 1120.57 Crores & unground sewerage system – ₹ 636.40 Crores

# WORK DETAILS IN WATER SUPPLY

Package	Name of work	Name of Contractor	Contract Value( ₹ in crores)
1	Construction of Raw Water Intake well, pump house with surge protection tank, supply and installation of pump set and motors with all electrical works in river Bhavani Bank at Mettupalayam and supplying, Laying and Jointing of Pumping Main from Raw Water Intake to Water Treatment Plant near Annur including pipe carrying Bridges wherever necessary.	M/s Keyem infra projects ltd	109.17
2	Construction of Water treatment Plant of Capacity 196 MLD expandable to 270 MLD with complete SCADA system for the entire Project on Design Build, Operate and Transfer basis for new water supply scheme In Tiruppur City Municipal Corporation..	M/s Eco Protection Engineers Pvt Ltd	85.44
3	Supplying, Laying and Jointing Clear Water Gravity Main from Water Treatment Plant to OHTs in Tiruppur Corporation including Pipe Carrying Bridges wherever necessary.	M/s Koya & Company Construction Limited.	383.82

# WORK DETAILS IN WATER SUPPLY



Package	Name of work	Name of Contractor	Contract Value( ₹ in crores)
4	Construction of 12 Nos (W.S Zones- 2, 3, 4, 8, 22, 23, 26, 28, 29, 30, 31, 32) Elevated Service Reservoirs with Chlorination facility and providing Distribution system including HSC in Corporation Zones-I & II area.	M/s R.P.P Infra Projects Ltd JV with M/s Annai Infra Developers Limited	194.74
5	Construction of 17 Nos (W.S Zones- 34, 35, 36, 37, 38, 39, 40, 43, 44, 48, 50, 52, 54, 56, 57, 60, 70) of Elevated Service Reservoirs with Chlorination facility and providing Distribution system including HSC in Corporation Zone-III & IV area.	M/s Annai Infra Developers Limited	207.15
6	Transforming the existing intermittent water supply to continuous 24 x 7 water supply distribution system for the water zone 30 & 50 in Tirupur city municipal corporation.	M/s Eco Protection Engineers Pvt Ltd	37.29



# WORK DETAILS IN SEWAGE

Package	Name of work	Name of Contractor	Contract Value( ₹ in crores)
1	Providing Sewerage Collection System, Construction of Sub-Pumping Stations, Master Pumping Stations, Supply, laying and jointing Pumping Mains in sewer zones 5, 6 and 7.	M/s Eco Protection Engineers Pvt Ltd	320.22
2	Providing Sewerage Collection System, Construction of Sub-Pumping Stations, Master Pumping Stations, Supply, laying and jointing Pumping Mains in sewer zones 8, 13 and 14 and Expansion of the existing STP at Sarkarperiyapalayam and Rejuvenation of Existing SPS&MPS	M/s Keyem infra projects limited	103.01
3	Providing Sewerage Collection System, Construction of Sub-Pumping Stations, Master Pumping Stations, Supply, laying and jointing Pumping Mains in sewer Zones 9, 15, 16 and 17.	M/s Keyem infra projects limited	118.35
4	Design and Construction of Sewage Treatment Plant of capacity 36 MLD in Sarkarperiyapalayam and 20 MLD in Chinnandipalayam including 10 years of operation and maintenance on DBOT basis for UGSS in Tiruppur City Municipal Corporation.	M/s Eco Protection Engineers Pvt Ltd	71.57

# NTADCL -CMSC/PMC BUSINESS EXPANSION PLANNING



The modus operandi NTADCL project proven by achieving less than 3% of NRW(Non Revenue water) the world class standard



NTADCL ensure the quality & efficiency of the water and waste water(UGSS) projects especially by effective project management consultancy services.



NTADCL is planning to expand the CMSC/PMC Business in water and waste water segments throughout Tamil Nadu and entire India in phases

THANK YOU