



INDUSTRIES DEPARTMENT

POLICY NOTE 2013 – 2014

DEMAND No.27

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Minister for Industries



**Government of Tamil Nadu
2013**

INDUSTRIES DEPARTMENT

POLICY NOTE

2013 – 2014

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INTRODUCTION

Tamil Nadu has always been at the forefront of economic growth, contributed by substantial measure through its industrial development. As per the Tamil Nadu Vision-2023 Document, the contribution of the manufacturing sector, which is currently about 17% of the Gross State Domestic Product (GSDP) is targeted to be increased to 22% by 2023. The Census 2011 highlighted that Tamil Nadu has the highest level of urbanization rate (48.45%) among large states in India. An important indicator of economic output, its GSDP (at constant prices), stands at

Rs.4.28 lakh crores, positioning it as the second largest state economy after Maharashtra and one of the most developed states in India. Tamil Nadu's Per Capita State Domestic Product at Rs.84,058 with a growth rate of 15.16% is among the highest among large states.

The policy that a State Government adopts for any given sector has a direct impact on its prospects of growth and its attractiveness for further investment. Industrial Policy in the State has historically sought to increase investment, employment and output by providing a favourable investment climate and making it an attractive investment destination, providing the required infrastructure to industry and enabling procedural simplicity. It has also

sought to actively integrate the SMEs with the major industries.

This is in consonance with the objectives set out in the Tamil Nadu Vision-2023 Document, which, with respect to industry seek to:

- Provide the best infrastructure services in India in terms of universal access to Housing, Water & Sanitation, Energy, Transportation, Irrigation, Connectivity, Healthcare and Education.
- Make Tamil Nadu one of the top three preferred investment destinations in Asia and the most preferred in India with a reputation for efficiency and competitiveness.

- Make Tamil Nadu known as the innovation hub and knowledge capital of India, on the strength of world class institutions in various fields and the best human talent.
- Ensure Peace, Security and Prosperity for all citizens and business, enabling free movement and exchange of ideas, people and trade with other Indian states and rest of the world.

The contributing factors to industrial development in Tamil Nadu are many. Availability of good quality manpower at a comparatively low cost is a must for all industries to flourish. The state has a rich labour pool comprising of well-qualified, skilled, disciplined, productivity-oriented and English-speaking workforce. The standard of education and educational

institutions is highly rated in the country. The State has an output of nearly four lakh engineering and polytechnic students every year, which is the highest in the country, resultantly, the state has skilled manpower in abundance.

The state has largely peaceful living conditions and good social infrastructure making it an attractive destination for industries.

A strong engineering base exists in the state involving products ranging from automobiles, bicycles, castings and forgings, to textile machines, electrical and non-electrical machinery, pumps and transportation equipment, engineering ancillary industries, which are concentrated in Chennai, Coimbatore, Salem, etc. The strong engineering base consists of a

network of more than 3,000 units, employing a skilled workforce of more than 2.5 lakhs, making high quality inputs such as castings and forgings and a wide variety of ancillary products.

Tamil Nadu has a well developed banking and financial intermediation system consisting of about 7% of the banking offices in India, with more than 80,000 branches spread in the rural, semi urban and urban spaces.

Tamil Nadu had always followed the best practices in implementation of the single window clearance and promotion of industries. It facilitates obtaining time bound clearances through a Single window mechanism, provides single point of contact for all permissions for starting a business provides common application forms for

obtaining the requisite clearances such as from the Pollution Control Board, water and electricity connections, layout approvals etc. To encourage and attract new investments to the State, a package of incentives is offered encompassing capital subsidies, VAT incentives, etc to investors based on the scale of investment.

Tamil Nadu has a well-developed system of roads, railways, ports, power, communication, etc. All villages in the state are fully electrified. It has 3 major and 17 non-major ports. Chennai, Tiruchirapalli, Madurai, Coimbatore and Thoothukudi have domestic airports while Chennai also has an international airport.

Tamil Nadu has actively facilitated provision of land coupled with necessary infrastructure and world class facilities,

required to set up major industrial units through the State Industries Promotion Corporation of Tamil Nadu (SIPCOT). This has been one of the key factors in attracting major multinational manufacturing companies to the State. SIPCOT Industrial Parks are present in multiple areas and host industries such as engineering, electronics, chemicals, food processing and automotive, etc. The SEZs under SIPCOT are the Hi-tech SEZs in Kancheepuram, Sriperumbudur and Oragadam, Leather sector SEZ, Footwear SEZ, Engineering product SEZ, Transport engineering goods SEZ, and Granite SEZ.

Tamil Nadu has taken several other initiatives such as participating in Public Private Partnerships (PPP) to spur growth of different industries and increase business

opportunities, particularly in providing critical infrastructure such as roads and ports. TIDCO has also set up the L&T Port and Ship Building Complex at Kattupalli in joint venture mode. The TIDEL and TICEL parks have provided much needed facilities to the IT and Biotech sectors. The State Government appreciates the significance of the contribution of the Services sector to the growth of the manufacturing sector. It has therefore planned to set up an exclusive Integrated Financial Services Centre which shall house leading national and international financial intermediaries including banks, insurance companies, mutual funds, consultants, brokerages etc.

As a result of these proactive measures taken by the Government, Tamil Nadu is ranked third in terms of investment

in fixed capital, value of industrial output and the net value addition. Further, Tamil Nadu is ranked first in the country in electronic hardware manufacturing and exports. It ranks second in software exports. It accounts for the largest number of SMEs in the country, which provide ample support and a conducive working environment to large manufacturing units.

Tamil Nadu has emerged as one of the top 10 global automobile manufacturing hubs, has the largest automotive production capacity in India and renowned automobile majors such as Hyundai, Ford, BMW, Renault-Nissan, Daimler etc have their manufacturing units in Chennai, ably supported by large international tyre manufacturing units such as Michelin, MRF, Apollo etc. Chennai is being increasingly

recognised as a prime export hub for automobiles in South Asia and is therefore also called as "Detroit of India". Tamil Nadu has a 30% share each in the Indian automotive and auto components industries, 17% in the trucks segment and 20% each in passenger cars and two wheelers.

Tamil Nadu has a strong production base in textiles sector housing over 59% of the total spinning mills of the country. Tamil Nadu is the largest producer of cotton yarn and accounts for 41% of India's production. The net value addition in Textile industry in Tamil Nadu is the highest in the country. The Power loom Sector in Tamil Nadu is next only to Maharashtra in terms of number of looms. The Tiruppur cluster contributes about 56% of India's total

knitwear production and 90% of cotton knitwear exports.

Similarly, the Chennai Leather Cluster is known as one of the most dynamic industrial locations. It is the largest exporter of value added leather products and accounts for about 70% of the country's tanning capacity. The State Government has set up industrial estates and common effluent treatment plants for the leather cluster. It is also a major exporter of chemical products, mainly fertilizers, paints, pesticides, organic and inorganic chemicals, polymers, soda and pharmaceuticals, etc. These manufacturing units are located in the major clusters of Chennai, Cuddalore and Thoothukudi. It also accounts for more

than 10% of the pharmaceutical production in the country.

In 2012-13, as a result of the proactive steps taken by the State, 17 MoUs were signed with Multinationals and leading Indian companies like Ashok Leyland-Nissan, Hyundai, Indo Rama Group, Yamaha, BGR Energy, Amway etc, for investments to the tune of Rs.26,625 crores and another 8 companies were facilitated to set up their units and bring in investments of Rs.1,268.76 crores, thus totalling investments of Rs.27,893.76 crores, creating direct and indirect employment to about 1.46 lakh persons. During the current financial year, the Government shall endeavour to mobilize investments to the tune of Rs.30,000 crores.

1. STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED

State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT), a catalyst for industrial growth in Tamil Nadu, was established in the year 1971. Till the year 2000, SIPCOT acted as twin functional State Industrial Development Corporation (SIDC), extending financial assistance to the industries by way of term loan, besides developing and maintaining industrial complexes with basic industrial infrastructure for ready occupation of the industries. However, since 2001, in order to give main thrust to area development activities, the Corporation is now confined to development of industrial complexes. Several major industrial houses, such as,

M/s. Daimler, Hyundai, Saint Gobain, Dell, Renault & Nissan, Ashok Leyland, Nokia etc. have already established their facility in SIPCOT Industrial Complexes, which has changed the face of economic and infrastructure development in the State.

SIPCOT has also been acting as a Nodal Agency of the State Government for implementing and monitoring the Structured Package of Assistance scheme, under which various incentives are extended to mega industries established with huge investments, besides generating large employment potential.

1.1. Physical Performance

1.1.1. Development of Industrial Complexes / Parks

SIPCOT has so far developed 19 Industrial Complexes including 7 SEZs in 12

Districts across the State with about 27,000 acres of land acquired for the purpose. Out of allotable extent, 20,806 acres of land have so far been allotted to 2,184 units including SEZs and thereby attracted investment of about Rupees one lakh crores paving way for direct and indirect employment opportunity for about 5.55 lakh persons.

(i) Oragadam Industrial Growth Centre (Expansion)

Two multinational companies viz., M/s. Renault & Nissan Automotive India Private Limited and M/s. Daimler India Commercial Vehicles Private Limited have already commenced production. In respect of Daimler India Commercial Vehicles Private Limited though they had signed MoU (Memorandum of Understanding) with

Government of Tamil Nadu for investment of Rs.3,000 crores, subsequently they reduced it to Rs.2,000 crores in 2010. However, due to the efforts taken by the present Government, now the company has signed a fresh MoU in 2012 for making an investment of Rs.4,000 crores, thereby this company will provide direct employment to 3,000 persons. Altogether the Oragadam Expansion Scheme, provides employment opportunity to 8,000 persons directly and manifold indirectly.

(ii) Pillaipakkam Industrial Park

This Industrial Park has been established in an extent of 927 acres in Sriperumbudur Taluk of Kancheepuram District. So far, an extent of about 690 acres have been allotted to 82 units including M/s. Ashok Leyland-Nissan. This

would create employment opportunity to about 18,000 persons directly and manifold indirectly.

(iii) Thervoy Kandigai Industrial Park

Established in an extent of 1,127 acres of Government poramboke lands in Gummidipoondi Taluk, Tiruvallur District. SIPCOT has so far allotted 601.62 acres to 8 units, which includes M/s. Michelin India Tamilnadu Tyres Private Limited, Harsha Group, Bekaert Industries Private Limited, Phillips Carbon Black Limited, Metal Powder Company Limited, Reckitt Benkiser etc. These allotments envisage an investment of Rs.7,000 crores and direct employment potential of around 6,000 persons.

1.1.2. Upcoming Industrial Complexes

Acquisition of land covering an extent of 8,075 acres towards establishment of the following new Industrial Complexes/Parks is in progress:

- (i) Sriperumbudur Industrial Park Expansion (Vallam-Vadagal) - 1,780 acres of land in Vallam, Vadagal and Budhanur villages in Sriperumbudur Taluk, Kancheepuram District. The Government of Tamil Nadu has already entered into an MoU with M/s. India Yamaha Motors Limited, a Japanese company, for an investment of Rs.1,500 crores in an extent of 125 acres. This project alone will provide direct employment of 3,000 persons and 20,000 persons indirectly. Further, many more MNCs have evinced interest to establish their units in this Park.

- (ii) Cheyyar Industrial Complex Expansion - 2,300 acres of land in Kunnavakkam, Shozhavaram, Chellaperumbulimedu, Perumbulimedu, Mathur, Mangal, Karanai, Mahajanambakkam, Alinjampattu and Ukkamperumbakkam villages in Cheyyar Taluk, Thiruvannamalai District.
- (iii) Thoothukudi Industrial Complex Phase-II - 1,179 acres of land in Therkuveerapandiapuram and Meelavittan villages in Ottapidaram & Thoothukudi Taluks, Thoothukudi District.
- (iv) Madurai Industrial Park - 1,478 acres of land in Sivarakottai Swamimallampattai and Karisalkalampatti villages in Thirumangalam Taluk, Madurai District.

(v) Oragadam Industrial Growth Centre Expansion-II - 616 acres of land in Vaipur, Mathur & Perinjambakkam villages in Sriperumbudur Taluk, Kancheepuram District.

(vi) Tindivanam Industrial Park - 720 acres of land in Pelakuppam, Kollar and Venmaniathur villages in Tindivanam Taluk, Villupuram District.

1.1.3. Industrialization of Southern Districts

SIPCOT has been endeavouring for industrialisation of the state, particularly in the industrially backward southern districts, to maintain widespread industrial development. In order to promote more number of industrial parks in the southern districts, it has proposed to create a Land Bank of 20,000 acres to fulfil the Tamil

Nadu Vision-2023 Document. In addition to this, SIPCOT has identified another 25,000 acres to develop backward districts in Tamil Nadu.

1.2. Special Economic Zones

In order to attract foreign direct investments and promote exports as well as creation of more employment opportunity, SIPCOT has promoted seven Sector Specific Special Economic Zones in its Complexes / Parks / Growth Centers as given below:

- Hi - Tech SEZ (570.92 acres) in Sriperumbudur
- Hi-Tech SEZ (347.66 acres) in Oragadam
- Engineering Sector SEZ (263.19 acres) in Perundurai

- Transport Engineering Sector SEZ (255.00 acres) in Gangaikondan
- Sector Specific SEZ for Engineering (260.00 acres) in Ranipet
- Granite Industries SEZ (379.96 acres) in Bargur
- Leather & Footwear Products SEZ (153.68 acres) in Irungattukottai

Many industrial giants like M/s. DELL India Private Limited, Samsung Electronics, Motorola, Sanmina, Moser Baer, etc., have established industries in these SEZs with huge investment. So far, about 1,116 acres of land have been allotted to 50 industrial units, through which direct and indirect employment opportunity has been created for about one lakh persons.

After introduction of Minimum Alternate Tax (MAT) and Dividend Distribution Tax (DDT) by the Central Government for the SEZs, the demand for SEZ has come down due to non viability. Hence SIPCOT has proposed to denotify Leather & Footwear Products SEZ (153.68 acres) in Irungattukottai.

1.2.1. MoU Units

After this Government assumed charge, 17 MoUs have been signed with leading industrial houses of which 12 companies are setting up their facility in SIPCOT Industrial Complexes / Parks. They will bring an investment of about Rs.20,000 crores and create employment potential to about 1.02 lakh persons (both direct and indirect).

1.3. Civil Works

The main focus of SIPCOT, to attract more investors is to provide world class infrastructure in its industrial complexes. Hence extra attention is paid towards this task. For the year 2013-14, the Corporation has planned to take up civil works towards roads, water supply, street lights, sewerage system, buildings, etc. at an estimated cost of Rs.209.58 crores. For the usage of the industries located in Bargur and Thervoy Kandigai Industrial Complexes and the villagers living around as well to connect to the State Highways Road works are being carried out through Highways Department as deposit work.

1.4. Special Infrastructure Schemes

Apart from developing and maintaining Industrial Complexes/Parks,

SIPCOT is focusing on developing special infrastructure schemes.

1.4.1. Apparel Park, Irungattukottai

SIPCOT has established Apparel Park in an extent of 123.83 acres of land in Irungattukottai industrial park and the entire extent has been allotted to 36 units. Apart from basic infrastructure, special infrastructure facilities viz., dormitory for working women, crèche, dispensary, design and training centre, canteen etc., are created in this park.

A Special Purpose Vehicle (SPV) called 'Apparel Park Allottees Association' has been formed with the allottees of this Apparel Park as members and Women Self Help Groups have been engaged for operation and maintenance of the Hostel

and Canteen and the Training Center through a renowned training institute.

1.4.2. Footwear Component Park, Irungattukottai

SIPCOT has promoted Footwear Component Park in an extent of 52.63 acres of land in Irungattukottai Industrial Park. So far 13 units have been allotted land in this park which would create employment for 750 persons.

1.4.3. Industrial Corridor of Excellence

SIPCOT has completed the study for development of Industrial Corridor of Excellence (ICE) along the National Highways through Consultants:

1. Chennai – Sriperumbudur – Ranipet
- Hosur
2. Madurai - Thoothukudi and
Coimbatore - Salem

Subsequent to the completion of study it is proposed to create Industrial Parks in Madurai – Thoothukudi Corridor to develop the industrially backward Southern Districts to provide sustainable industrialisation and increased economic growth.

1.4.4. Skill Upgradation Centre

Pursuant to the announcement made by the Government, SIPCOT has been taking effective steps to provide employment to one person from the families, who have given land for its Industrial Complexes. Efforts will be taken to operate the Skill Upgradation Centre with the assistance of the allottee units who will in turn train the educated youth in and around the surrounding villages and provide jobs within their units.

1.4.5. Construction of Dormitories

SIPCOT has been constructing two dormitories with all amenities for both men and women to provide affordable housing facility for working force at Sriperumbudur. Once, the same is completed, it would accommodate 1,000 workers. This year, two Dormitories will start functioning.

1.4.6. Projects implemented by allottee companies under Rehabilitation and Re-settlement Scheme

- (i) 16 new houses along with required infrastructure facilities were constructed at an estimated cost of Rs.1.20 crores and allotted to the families, who lost houses in Oragadam and Sennakuppam villages, Sriperumbudur Taluk.
- (ii) For the benefit of the residents in Oragadam and Sennakuppam villages

proper sanitation facilities were provided by constructing 310 individual toilets at a cost of Rs.48 lakhs.

- (iii) Drinking water supply provided to the residents in these two villages by drilling alternative bore wells at a cost of Rs.16 lakhs.
- (iv) In Sennakuppam village, the erstwhile school for Adi-Dravidar children was newly constructed in an extent of 1.20 acre at a cost of Rs.2.70 crores.

1.4.7. Social Infrastructure Schemes / Corporate Social Responsibility Activities (CSR)

For the welfare of the local people in and around SIPCOT Industrial estates, SIPCOT has been, while acquiring lands, implementing various social infrastructure

schemes / facilities in those areas, such as, provision of houses to the displaced families, sanitation facility to village hamlets, construction of new school buildings / renovation of the existing schools, establishment of health centre, burial ground, fodder cultivation scheme, sports development activities, water facilities etc. The major works carried out are:

- (i) Fodder Development in an extent of 100 acres has been created for the exclusive use of cattle belonging to Thervoykandigai villagers.
- (ii) 16 houses were constructed and handed over to the homeless people who were displaced from the Thervoykandigai Industrial Park site.

(iii) Dormitories were constructed at Sriperumbudur Industrial Park for the economically weaker section of work force at as affordable rate.

(iv) Drinking water facilities provided to the Mappedu village in Thiruvallur Taluk, Thiruvallur District.

1.4.8. Comprehensive Plan for the Development of Sriperumbudur Area

Pursuant to the Government announcement, SIPCOT has been preparing Comprehensive Plan through the Consultant, to upgrade the basic and social infrastructure and to provide modern housing facility for the employees and the general public residing in and around

Sriperumbudur. The study is under progress.

1.5. Attracting Foreign Investment from MNCs

Government have issued orders for 100 acres of land each to be allotted by SIPCOT for setting up of separate Industrial Parks for investors from countries like Japan, Korea, Finland, Germany and France to attract more foreign investments. The allotment would be made after completion of acquisition of lands in the Sriperumbudur Industrial Park Expansion (Vallam – Vadagal Scheme).

1.6. Financial Performance

SIPCOT earned a net profit of Rs.197.60 crores for the year 2011-12 and it is expected that the net profit of

Rs.218.14 crores will be earned in 2012-13 as detailed below:

(Rs. in crores)

Description	2010-11	2011-12	2012-13 (provisional)
Total Income	908.73	649.83	537.92
Net Profit	121.95	197.60	218.14
Dividend declared (in %)	25	25	25
Dividend Amount	14.48	14.48	14.48

1.7. New Schemes / Projects

1.7.1. Truck Terminals at Irungattukottai and Oragadam Industrial Park

SIPCOT is taking action to establish a Truck Terminal facility in an extent of 12.48 acres of land with an investment of Rs.8.65 crores on BOOT (Build Own Operate Transfer) basis at Irungattukottai Industrial Park, in order to reduce the traffic congestion in this area. Similarly another Truck Terminal facility on the same mode will be established in land at Vallam-

Vadagal scheme for the industries in SIPCOT Industrial Growth Centre, Oragadam.

1.7.2. Water Supply to the new Industrial Parks

Presently, SIPCOT is drawing 5 MGD (5 Million Gallons per Day) water from Chembarambakkam lake to supply water to Industrial parks at Irungattukottai, Sriperumbudur and Oragadam. Consequent upon expansion in the above Industrial Parks, besides Vallam – Vadagal scheme, Vaipur-Mathur scheme, SIPCOT water requirement has increased from 5 MGD to 10 MGD. As directed by the Government, SIPCOT is exploring the possibility of establishing TTRO Plant to meet the present water requirement upto 10 MGD through CMWSSB or by PPP (Public Private

Partnership) mode. Also SIPCOT has remitted Rs.48.80 crores to CMWSSB to supply 3 MGD of water to SIPCOT Industrial Park, Thervoy kandigai.

1.7.3. Northern Port Access Road (NPAR)

Northern Port Access Road (NPAR) project, an integrated project to strengthen connectivity to the Ennore Port, besides boosting industrial growth in the North Chennai area is implemented jointly by State Highways Dept., SIPCOT and TNRDC. Industrial Parks will be set up abutting the NPAR in an extent of about 10,000 to 15,000 acres.

1.8. Nodal Agency Function

SIPCOT also acts as a Nodal Agency of Government of Tamil Nadu in the sanction / disbursement of Structured

Package of Assistance to large industrial units. Various incentives viz., Soft Loan based on the VAT paid to Government, Investment Promotion Subsidy (refund of VAT paid to Government), Capital Subsidy, ETP/Critical Infrastructure Subsidy and Training Subsidy are considered based on the Government Orders. So far, applications for disbursal of incentives have been received from 33 units. SIPCOT has released Rs.1748.58 crores to 15 units. The applications of other units are under process.

SIPCOT is mandated to handle the Structured Package of Assistance for all the MoU/Government Order cases apart from the Non-MoU cases where the investment exceeds Rs.300 crores.

SIPCOT will assess the eligible fixed asset through a Committee specially constituted for this purpose. The Committee will decide the investment made in the eligible fixed assets which is the ceiling limit for availing the VAT related incentives.

The mega industry classification needs minimum investments of Rs.350 crores in Chennai, Kancheepuram and Thiruvallur District and Rs.250 crores in other Districts. In respect of Electronic/Hardware industries this limit is pruned down to Rs.250 crores in Chennai, Kancheepuram and Thiruvallur District and Rs.150 crores in other Districts. The investment period for the mega industries is three years and eligible VAT refund/soft loan will be made in 10 years.

In respect of Super mega project, the minimum investment required is Rs.1,500 crores in a period of 5 years. The eligible VAT refund/soft loan will be made in 14 years.

The minimum investment required for fulfilling the Ultra mega project is Rs.4,000 crores in a period of 7 years. The eligible VAT refund/soft loan will be made in 21 years.

2. TAMIL NADU INDUSTRIAL DEVELOPMENT CORPORATION LIMITED

Tamil Nadu Industrial Development Corporation Limited (TIDCO), a premier development agency of the Government of Tamil Nadu, established in 1965, endeavours to achieve a balanced, rapid and continual industrial growth by promoting medium and large industries in the State through Joint Ventures in association with Private Sector.

TIDCO facilitates large industrial and infrastructure projects involving large investments and huge employment potential in Tamil Nadu with a vision to make Tamil Nadu the numero uno state in India. TIDCO adapts itself to the changing business environment and pursues several

initiatives that accelerate the growth of the local economy and the society in collaboration with the private sector.

TIDCO has established its abilities to identify and conceptualize opportunities for large investments and achieved core competence in pioneering sectoral developments in Chemicals, Fertilizers, Pharmaceuticals, Information Technology, Energy Infrastructure, Petroleum and Petrochemicals, Aerospace Industry, Engineering, Bio-Technology, Floriculture, Agri Export and Special Economic Zones.

TIDCO's portfolio of investments valued at cost is Rs.377.06 crores are mostly in the form of equity investments in Joint Venture Companies and investments made in ongoing projects.

2.1. Some of the industrial and infrastructure initiatives taken by TIDCO are given below:

2.1.1. TITAN Industries Limited

TIDCO and TATA Sons jointly promoted Titan Industries Limited at Hosur for manufacturing and retailing of Watches, Gold Jewellery, Eyewear and Precision Components. This project has generated Direct and Indirect employment for 11,000 persons.

2.1.2. Tamil Nadu Petro-products Limited

Tamil Nadu Petro-products Limited, a Petrochemical Industry was established at Manali, near Chennai at a cost of Rs.292 crores. This industry provides employment for about 700 persons.

2.1.3. TIDEL Park Limited

First IT Park in Tamil Nadu was jointly promoted by TIDCO & ELCOT with built-up area of 12.78 lakh sq.ft. with world-class facilities in Taramani, Chennai at a project cost of Rs.292 crores. 36 Information Technology companies are operating in this Park and this Park provides employment for 12,000 Software professionals and 2,000 service providers.

2.1.4. TICEL Bio Park Limited

TICEL Bio Park Limited was established in Taramani, Chennai in Collaboration with Cornell University, USA for providing lab facilities for Bio Technology, Pharmaceuticals, Nano Technology R & D activities at a Project Cost of Rs.54.76 crores. Twelve Bio-Technology companies are operating in

this Park which provides employment for 300 scientists.

2.1.5. Mahindra World City

A World Class industrial complex includes Specific Special Economic Zones (SEZ) such as IT, Auto and Apparel and social infrastructure was developed in association with Mahindra Lifespace Developers Limited in about 1,500 acres at an estimated project cost of about Rs.350 crores in Chengalpattu Taluk of Kancheepuram District. 47 leading Multinational and Indian companies are operating in this park. This park provides employment for about 30,000 persons.

2.1.6. Ascendas IT Park (Chennai) Limited

About 21 lakhs sq. ft. of I.T. space at a project cost of about Rs.608 crores was

developed at Taramani, Chennai in association with Ascendas Property Fund India Private Limited. 57 local and Multi-national IT/ITES companies are functioning in this Park and about 20,000 persons are working in this park.

2.1.7. Rajiv Gandhi Salai (IT Expressway Limited)

Phase I of the project from Madhya Kailash temple junction to Siruseri and ECR link road main carriageway works was completed and the road was dedicated for use by public. Service road and foot path work is under progress and is expected to be completed by August 2013. The estimated cost of Phase-I of the project is Rs.403 crores. This Project provides employment for about 280 persons.

2.1.8. Chennai Trade Centre

Tamil Nadu Trade Promotion Organisation (TNTPO) was set up as a joint venture between India Trade Promotion Organisation (ITPO) and Tamil Nadu Industrial Development Corporation Limited (TIDCO). TNTPO had developed the Chennai Trade Centre (CTC) comprising Exhibition Halls and Convention Centre developed in an area of 25.48 acres of land at an investment of Rs.60.70 crores. CTC provides employment for about 250 persons.

2.1.9. L&T Shipbuilding Limited

TIDCO and Larsen & Toubro Limited have constructed a Port Complex and Shipbuilding yard in Kattupalli, Ponneri Taluk of Tiruvallur District. The total investment in the first phase of the project

is Rs.3,375 crores. This project was inaugurated by Hon'ble Chief Minister on 30.1.2013.

This complex includes the Captive marine facilities for the shipbuilding complex and a 12 lakhs TEU capacity container handling facility in Port Complex and Facilities for Building of Very Large Cargo Carriers (VLCC); Specialized Cargo Ships for liquid / gas transportation and Cruise vessels, Building of Defence ships including Submarines, Offshore Platforms for Oil / Gas sectors, Refitting and Re-engineering of Commercial and Defence Ships and Heavy engineering fabrication and components production for shipbuilding in Shipbuilding yard Complex. The second phase of the project with an additional investment of about Rs.1,300 crores will be

taken up in 2014 and will be completed in 2015. Project will provide the direct and indirect employment for about 10,000 persons when two phases are fully completed.

2.2. Other Important Projects

TIDCO is now implementing Biotechnology Park-II at Taramani, Liquefied Natural Gas (LNG) Import Terminal at Tiruvallur district, Petroleum Refinery Project at Cuddalore, AEZ for Cashew in Cuddalore District, IT Park at Coimbatore IT and ITES SEZ at Taramani, Food Processing SEZ in Thoothukudi, Free Trade Warehousing Zone in Tiruvallur district and Multi Product SEZs at Nanguneri, Perambalur & Krishnagiri.

As per the direction of Government, TIDCO is also taking steps for implementing Aerospace Park, Solar Power Parks, Polymer Industries Park, Integrated Textile and Industrial Park, Integrated Food Irradiation and Service Facility and Integrated Financial Services Centre.

2.2.1. Bio Technology Park-II

TICEL Bio-Park Limited, implemented by TIDCO and TIDEL Park Limited is now constructing Bio-Park – II for providing additional lab space of 6.13 lakh sq.ft. for Bio-Technology, Pharmaceuticals, Bio-IT, Nano-Technology and R&D activities at a cost of Rs.150 crores. Civil construction of the project is expected to be completed in October, 2013.

2.2.2. LNG Import Terminal

To meet the State's growing demand for energy especially the Natural Gas which is an efficient and environment friendly fuel, to position a firm source for natural gas in the long term. Towards this, a project for setting up a Liquefied Natural Gas (LNG) Import Terminal at an estimated investment of Rs.4,320 crores near Ennore Port in the Kattupalli village of Tiruvallur District has been planned by TIDCO and Indian Oil Corporation Limited through a Joint Venture.

The LNG Import Terminal will have a capacity to handle 50 lakh tons per year of LNG and it will distribute about 180 lakh cubic metres per day of natural gas for power plants, fertilizer units, other

industries, domestic use and transportation sector in Tamil Nadu.

To expedite the implementation of this project TIDCO and Indian Oil Corporation Limited signed a Heads of Agreement on 22.3.2012 in the presence of the Hon'ble Chief Minister.

The Front End Engineering and Design work for this project has been completed. The construction of this terminal is expected to start in the current year and it will be completed in 2017.

2.2.3. Petroleum Refinery Project of Nagarjuna Oil Corporation Limited

The Petroleum Refinery Project of Nagarjuna Oil Corporation Limited (NOCL) a Joint Venture of TIDCO and M/s. Nagarjuna Fertilizers Limited is being implemented at

Thiruchopuram in Cuddalore District. The proposed capacity of this Petroleum Refinery will be 120 lakh tons per year. The total investment in this project is estimated to be about Rs.22,000 crores. In the first phase, the implementation of 60 lakh tons per year capacity unit will be completed and operations are expected to commence by 2014.

2.2.4. TRIL Info-park Limited

TIDCO and the Consortium led by M/s. Tata Realty and Infrastructure Limited are jointly implementing the IT-ITES Special Economic Zone with an Integrated International Convention Centre with all supporting infrastructure in 25.27 acres of land at Taramani, Chennai.

A total of 34 lakh sq.ft. of built-up space is being constructed in the Processing Zone. The first two blocks of 6.5 lakh sq.ft. each have been completed and fully leased out. The largest third block comprising 14 lakh sq. ft. and the last block comprising 7 lakh sq. ft. are scheduled to be completed and handed over for fit outs shortly. The work relating to construction of additional IT space by another 11 lakh sq.ft. (apart from present 34 lakh sq.ft.) has started. Construction of convention centre will also be taken up during the year and the entire project is expected to be completed by the end of 2014.

2.2.5. I.T. Park at Coimbatore

An IT Park with a built-up area of 17 lakh sq.ft. in ELCOT-IT-SEZ, COIMBATORE in an area of 9.5 acres as a Joint Venture of

TIDCO, TIDEL, ELCOT and STPI at a cost of Rs.407.40 crores.

Fifteen (15) IT Companies have booked IT space for 4.93 lakh sq.ft. and commenced their operations. TPCL has allotted 33,000 sq.ft. of commercial space. State Bank of India and State Bank of Travancore have commenced their banking operations. Post Office, Internet Services and Food Court are in operation. The balance work is expected to be completed shortly.

2.2.6. Perambalur SEZ

A multi-product SEZ is being jointly developed by TIDCO and M/s. GVK Group of Hyderabad in Perambalur District in an area of around 3,000 acres of land. Ministry of Commerce & Industries, Government of

India has accorded formal approval for the development of SEZ. TWAD Board has carried out detailed investigation for the water supply arrangements for this project. Environmental Impact Assessment Study has been completed.

The project company has procured around 3000 acres of lands for this project. The land earmarked for the SEZ encompasses around 135 acres of Government poramboke lands. TIDCO is in the process of leasing the above lands to the project. The project company has requested to develop this project as Integrated Industrial Park instead of SEZ. After evaluating this request the project implementation activities will be taken up.

2.2.7. Development of Solar Power Park Project

TIDCO is proposing to develop Solar Power Parks to enable to set up around 1000 MW of Solar Power Projects in association with Public and Private Organisation. In the first phase, TIDCO and M/s. Raasi Green Earth Energy Private Limited, Bangalore are jointly developing 100 MW capacity Solar Park project in Paramakkudi Taluk of Ramanathapuram District in 500 acres of dry lands. The estimated total investment for this project is around Rs.920 crores. TIDCO and M/s. Raasi Green Earth Energy Private Limited have signed a MoU in the presence of Hon'ble Chief Minister on 13.12.2012 for developing this Project. The Project is expected to be completed in next 6 months.

In the next phase, TIDCO has also proposed to facilitate to establish 1000 MW capacity Solar Power Park Projects in multiple locations in association with private players during the year 2013-14 and the total investment required to set up this 1000 MW Solar Power Plant Projects is estimated around Rs.9,000 crores. The proposed Solar Parks will provide common facilities to the independent solar power producers such as developed lands, roads, water supply, drainage, dedicated power evacuation facilities, etc.

2.2.8. Aero Space Park

TIDCO is planning to establish an Integrated Aerospace Park Project with the objective to support the development of aerospace industry covering design, engineering, manufacturing, servicing and

maintenance of aircrafts in Tamil Nadu. Feasibility Report for the project has been prepared.

It has been planned to set up a MRO facility in an area of around 50 acres adjoining the existing Chennai Airport. The land has been identified. It has been proposed to develop the components manufacturing park for Aerospace industry in Sriperumbudhur in an area of around 300 acres and the land is being acquired by SIPCOT.

2.2.9. SEZ in Krishnagiri District

TIDCO has proposed to implement a multi product Special Economic Zone, through GMR Infrastructure Limited in Krishnagiri District. The lands for this project have been identified and are being procured by the project company. It is

proposed to implement a sector specific SEZ for Engineering Sector in about 280 acres of land, at an estimated cost of Rs.1,050 crores in Phase-I of the project. After getting the Notification from Government of India, the development of infrastructure for Phase-I will be taken up.

2.2.10. Polymers Conversion Industries Park

Tamil Nadu Industrial Development Corporation Limited (TIDCO) has planned to promote a Plastics Industries Park including support facilities in the Voyalur village, Ponneri Taluk of Thiruvallur District with an investment of about Rs.243 crores.

The Plastics Industries Park will have specialized infrastructure required to accommodate about 70 Plastic goods manufacturing units. When fully developed, this Park will be able to attract investments

of about Rs.2,100 crores and is expected to generate employment for about 25,000 persons.

As per the Policy announced by the Department of Chemicals and Petrochemicals, this Project will be eligible for grant funding by Government of India upto 50% of the project cost not exceeding Rs.40 crores per project.

Department of Chemicals and Petrochemicals has granted In-Principle approval for setting up of the Plastic Park in Tamil Nadu on 13.4.2012. A Detailed Project Report (DPR) has been prepared and forwarded to Government of India on 17.1.2013.

2.2.11. Integrated Financial Services Centre

TIDCO has proposed to develop an Integrated Financial Services Centre (IFSC)

near Chennai to attract both the domestic and overseas Financial institutions. The objective of this project is to promote industrial development by providing financial services required for the industries to be set up in Tamil Nadu.

This Financial Services Centre will be an assembly of all relevant players in the financial eco-system which will include Banks, Financial Institutions, Insurance Companies and Regulatory Agencies such as Financial Markets Regulator, Central Bank and Quasi-Regulatory agencies viz., Stock Exchanges. A feasibility report has been prepared and TIDCO is taking steps to implement this project by identifying a suitable land near Chennai.

3. TAMIL NADU NEWSPRINT AND PAPERS LIMITED

Tamil Nadu Newsprint and Papers Limited (TNPL) was promoted by the Government of Tamil Nadu in the year 1979 to produce Newsprint and Printing and Writing Paper with bagasse as primary raw material. The factory is located at Pugalur in Karur District. The plant with a capacity 90,000 tons per annum was commissioned in 1985. The capacity has been enhanced to 4,00,000 TPA in four phases. Simultaneously, the pulp production capacity also has been increased from 250 tons per day to 880 tons per day.

3.1. TNPL – Mission statement

“To emerge as the market leader in the manufacture of world class eco-friendly papers, adopting innovative technologies for sustainable development”

TNPL has emerged as the largest bagasse based paper mill in the world and the second largest producer of printing and writing paper in the country. Presently the Government of Tamil Nadu holds 35.32 % shares in the company and the Government of Tamil Nadu owned companies hold 4.06% shares. The balance shares are held by Foreign Institutional Investors (FIIs), Financial Institutions, Mutual funds, Insurance companies Corporate bodies and general public.

TNPL produces a wide variety of high quality papers suited for different end uses as under:

Surface sized varieties	Non Surface sized varieties
Pigment Paper	Hitech Maplitho
Print Vista	Radiant printing
Ultra white maplitho	Ace Marvel
Elegant Printing	Offset printing
Superprint Maplitho	Creamwove
Copier Paper	

TNPL markets its products throughout the country. TNPL exports about 20% of its products to over 40 countries across the world.

TNPL has installed two wind farms of capacity 35.5 MW in Tirunelveli District.

TNPL has installed a bio-methanation plant for the first time in 2003-04 to capture methane gas from bagasse waste water and use the same in lime kiln in lieu of furnace oil. The plant has been expanded and currently generates about 29,000 m³ of methane gas every day. The methane gas replaces the usage of 17,400 litres of furnace oil per day in the lime kilns. This enables savings of Rs.25 crores per annum.

3.1.1. Production and Capacity Utilization during the year 2012-13

The production during the year was 3,71,637 tons with 93% capacity utilization.

3.1.2. Turnover and Profit during the year 2012-13

The likely turnover during the year 2012-13 will be about Rs.1,800 crores. The

profit before tax will be about Rs.130 crores.

3.1.3. Dividend

The performance of the company is consistent over the years. The company is functioning profitably and paying reasonable dividend to its shareholders on a regular basis. The company has paid dividend at 50% for the year 2011-12. Accordingly, the company has paid the dividend of Rs.12.22 crores to the Government of Tamil Nadu for the year 2011-12.

3.1.4. Exports

TNPL is the largest exporter of printing and writing paper from India. TNPL has exported 70,951 tons of printing and

writing paper during the financial year 2012-13.

3.1.5. Employment

The company provides direct employment to 1,926 employees and indirect employment to about 3,000 persons.

3.2. Significant initiatives taken during 2012-13

- (i) TNPL has set up a 600 tpd Cement Plant at an outlay of Rs.100 crores. The plant was inaugurated by the Hon'ble Chief Minister of Tamil Nadu on 30.1.2013.
- (ii) Installation of a 300 tpd De-inking pulp plant at an outlay of Rs.174 crores. De-inked pulp will be produced from waste paper.

Production will commence in May 2013.

- (iii) Revamping of the steam and power generation system by installing a new boiler by replacing three old boilers and installing a new 41 MW capacity turbo generator (TG) by replacing two less efficient old TGs of 18.5 MW capacity, at an outlay of Rs.145 crores. The project will be completed by May 2013.
- (iv) TNPL ventured into farm forestry and captive plantation schemes for the first time in 2004-05. So far 17,021 farmers in 28 districts have been covered under the scheme. The Company has raised plantation in 91,711 acres upto 31.3.2013.

3.3. Major projects scheduled for 2013-14

- (i) To set up a 100 tpd Wet Ground Calcium Carbonate (WGCC) Plant within the factory on BOO (Build-Own-Operate) basis to replace the purchased WGCC. Environmental clearance has been obtained. The project will be implemented by September 2013.
- (ii) To set up a 200 tpd Precipitated Calcium Carbonate (PCC) Plant within the factory on BOO basis to replace purchased PCC. The project will be implemented by March 2014.
- (iii) Reclamation of polluted soil along the Noyyal river bed area, through bio remediation technology by raising pulp wood trees under farm

forestry scheme. TNPL has planted pulp wood trees in 1,000 acres during the year 2011-12 and another 600 acres during 2012-13. TNPL will plant pulpwood trees in the balance 2,400 acres during 2013-14.

3.4. Corporate Social Responsibility

As a policy, TNPL spends approximately 3% of the profit earned after tax every year for Corporate Social Responsibility activities under various heads namely Education, Health, Infrastructure, Economic Development, Environment, Water Supply and Promotion of Culture and Heritage.

TNPL has spent Rs.3.2 crores during the year 2012-13 for community welfare measures.

3.5. Awards received

- (i) Indian Paper Manufacturers Association (IPMA), New Delhi has bestowed on TNPL "IPMA Paper Mill of the Year Award" for the year 2011-12.
- (ii) TNPL has received the first prize of Green Award 2012 from the Hon'ble Chief Minister of Tamil Nadu on 11.9.2012. This award has been bestowed on TNPL in recognition of its various initiatives taken to protect the environment friendly technologies in the process

4. TAMIL NADU INDUSTRIAL INVESTMENT CORPORATION LIMITED

The Tamil Nadu Industrial Investment Corporation (TIIC) was incorporated under the Companies Act on 26.3.1949. It is the first State Level Financial Corporation to be set up in the country to foster industrial development.

With vast experience in industrial finance, TIIC remains the prime catalyst for industrial development of Tamil Nadu particularly catering to the needs of MSMEs, especially first generation entrepreneurs. Among the major industries which owe their development, in part, to the support given by TIIC are sugar, cement, textile and textile machinery, paper and aluminium. TIIC has also had its share in promotion of

industrial clusters like Hosiery in Tiruppur, Textiles and Foundries in Coimbatore, Sericulture and Sago in Salem and Dharmapuri, Wind Mills in Tirunelveli, Palladam, Udumalpet etc.

TIIC has so far assisted 1,13,936 units with a cumulative sanction of Rs.10,382.52 crores upto 31.3.2013. Micro, Small & Medium Enterprise (MSME) sector have availed nearly 90% of the sanctions given by TIIC. The loan portfolio of the Corporation as on 31.3.2013 stands at Rs.1,480 crores.

With the valuable guidance and continued support of State Government and the untiring efforts of the employees of the Corporation, TIIC made a turn around and has earned profit continuously for 9 years since 2003-04 onwards. TIIC expects to

register a net profit of Rs.35.50 crores during 2012-13.

4.1. Share Capital of TIIC

The Share Capital of TIIC as on 31.3.2013 is Rs.283.50 crores and the details are as under:

Share holder	Share Capital	
	(Rs. in crores)	%
Government of Tamil Nadu	266.02	93.84
Small Industrial Development Bank of India (SIDBI)	17.00	6.00
Government of Pondicherry	0.15	0.05
Insurance Companies, Banks including Co-operative Banks	0.33	0.11
Total	283.50	100

4.2. Schemes

TIIC is operating a number of schemes to fulfill the divergent needs/requirements of the industries and

some of the special schemes operated by TIIC are:

4.2.1. General Term Loan

Financial assistance for new projects or for expansion, modernization and diversification of existing units both in manufacturing and service sectors are considered under the scheme.

Assistance will be through Term Loan upto Rs.30 crores for Private/ Public Limited companies and upto Rs.15 crores for proprietary / partnership concerns. Promoters contribution will be 33.33% of the project cost. Based on the type of project, repayment period can be extended up to 9 years and moratorium period for principal from 6 months to 2 years.

4.2.2. Transport Operators Scheme

Financial assistance is extended for purchase of transport vehicles that are registered as public carriers with promoters contribution ranging from 15% to 30%.

4.2.3. Equipment Finance Scheme

The scheme will facilitate existing industrial units with good track record to purchase capital goods/equipment. The promoters contribution under the scheme is minimum 15% of the cost of capital goods / equipments acquired. This would be advantageous to the entrepreneur.

4.2.4. Generator Loan Scheme

The scheme is extended to MSME units for purchase of generator sets. Since 7.12.2012 the promoters contribution has been reduced from 25% to 10% in compliance of the announcement of the

Hon'ble Chief Minister. TIIC has further liberalized the collateral security norms to make the generator loans accessible to entrepreneurs.

4.2.5. Wind Power Projects

The scheme aims to encourage entrepreneurs to set up private wind mills for captive consumption of renewable energy as well as for selling power to TNEB. The assistance will be extended towards cost of land, equipment, electricals, erection and commissioning etc.

4.2.6. Entrepreneurs Development Scheme

As a part of its commitment to social obligations and in order to help a new generation of entrepreneurs TIIC has introduced a "Entrepreneur Development Scheme" aimed at promoting a new

generation of entrepreneurs especially from economically and social disadvantaged backgrounds who are unable to offer required collateral security. Under the scheme, loan upto Rs.5 lakhs is rendered at a lesser promoter's contribution of 10% without collateral security but backed by one/two guarantors satisfying the norms.

4.2.7. Working Capital Term Loan for Manufacturing units / Rice Mill Units

The scheme aims to extend financial assistance to the existing assisted and non assisted manufacturing units including modern rice mill units to meet their working capital needs. The Scheme is well received by the manufacturing units and rice mills and is being implemented successfully.

The maximum financial assistance under the scheme is Rs.1.50 crores. The Working Capital Term Loan is generally repayable in 36 monthly instalments.

4.2.8. Bill Financing Scheme

TIIC has entered into MoUs with TNEB and TNPL for offering bill discounting facilities to MSME suppliers/contractors of TNEB / TNPL. It is also offering discounting facilities to MSME contractors of TWAD against their bills for contract works executed partly / fully for TWAD. The loan is offered without any collateral security.

4.2.9. New Entrepreneur cum Enterprise Development Scheme (NEEDS)

TIIC has an active role to play in the implementation of the newly formulated NEEDS scheme of the State Government for assisting educated youth to become

first generation entrepreneurs. Under the Scheme, State Government will provide capital subsidy of 25% of the project cost which shall not exceed Rs.1 crore. Besides 3% interest subvention is also extended to the entrepreneurs on the loan availed for the project.

4.3. Subsidy

TIIC is also functioning as an operating agency for various State/ Central Government incentives for promoting industries in Tamil Nadu as under:

4.3.1. Government of Tamil Nadu Subsidies:

(i) Backward areas subsidy and Specific Thrust Sectors subsidy

15% on Plant & Machinery subject to a maximum of Rs.30 lakhs. It is available for subsequent expansions provided there is

25% increase in cost of Plant & Machinery and 15% increase in the average turn over of last 3 years after expansion. The Corporation has disbursed Rs.11.29 crores as State Capital subsidy during 2012-13.

(ii) Back ended Interest subsidy

3% on the interest claimed for 5 years subject to maximum of Rs.10 lakhs per loan.

(iii) Generator Subsidy

15% for the purchase of upto 320 KVA Genset subject to a maximum of Rs.5 lakhs per unit.

(iv) 3% interest subvention for loans availed from TIIC by MSME units during 2012-13

On account of the Government of Tamil Nadu Scheme for 3% interest

subvention introduced from 3.9.2012, the interest rate for new loans from TIIC to MSMEs has effectively come down to 11.5% to 12.5% from 14.5% to 15.5%, almost on par with the rates charged by Commercial Banks. Since 3.9.2012, 1,071 units, to whom loans to the tune of Rs.402.10 crores were sanctioned, have benefited from this interest subvention scheme as on 31.3.2013.

4.3.2. Central Government Subsidies

(i) Credit linked Capital Subsidy

15% on the eligible Plant & Machinery subject to a maximum of Rs.15 lakhs per unit.

(ii) Textile Upgradation Fund Subsidy

a. Interest Subsidy

- 4% for stand alone spinning mills

- 5% for other textile sector including textile processing
- It is available for MSME and Non-MSME units

b. Margin Money Assistance Subsidy (Capital Subsidy)

- 15% / 20% depending upon the machines installed available for Micro/Small Manufacturing Enterprises upto an investment limit of Rs.5 crores.

(iii) Food processing Industries Subsidy

- 25% on the eligible investment subject to a maximum of Rs.50 lakhs per unit.

During the current Financial Year, TIIC has drawn and disbursed Rs.12.12 crores to the beneficiaries as

subsidy from MSME Department, Government of India under Credit Linked Capital Subsidy (CLCS) scheme.

4.4. Insurance

The Corporation has ventured into insurance business since the last quarter of 2009-10. Through insurance business, the Corporation has earned an income of Rs.11.80 lakhs during Financial Year 2012-13.

4.5. TIIC – Preferred Financial Institution

Commercial Banks which had earlier concentrated on working capital loans are now aggressively focusing on term loan financing also thus posing stiff competition to TIIC. Though Commercial Banks are also offering assistance to industries, TIIC

continues to be the preferred institution for first generation entrepreneurs, people from rural backgrounds and others with little social support on account of its transparent functioning, long repayment period, quick service and providing loan besides eligible subsidy under one roof.

4.5.1. Achievement of the Corporation from May 2011

The performance of the Corporation in the various areas of operations viz. sanction, disbursement and collection from May 2011 upto 31.3.2013 is as under:

Area of operation	11.5.2011 – 31.3.2013 (Rs. in crores)
Sanction (including Bill Finance Scheme)	1,727.63
Disbursement	1,455.95
Collection	1,630.77

4.5.2. Performance – Financial Year 2012-13

Particulars	Achievement (Rs. in crores)
Sanction	969.53
Disbursement	789.05
Collection	888.62

During 2012-13, 60% of the total financial assistance was given by the Corporation to Engineering / Auto Components, Textiles and Food Processing Sectors.

4.5.3. Action Plan for the years 2013-14 and 2014-15

(Rs. in crores)

Year	Sanction	Disbursement	Collection
2013-14	1,125	950	950
2014-15	1,250	1,050	1,000

5. TAMIL NADU CEMENTS CORPORATION LIMITED

Tamil Nadu has attained tremendous improvement in cement production. At present, Tamil Nadu is the largest producer of cement in India after Andhra Pradesh and Rajasthan. By commissioning the Alangulam cement plant in 1969, Tamil Nadu became the first state in India to produce cement under public sector.

5.1. TANCEM has the following units:

1. Alangulam Cement Works, Alangulam, Virudhunagar District.
2. Ariyalur Cement Works, Ariyalur, Ariyalur District.
3. Tamilnadu Asbestos (Sheets), Alangulam, Virudhunagar District.
4. Stoneware Pipe Factory, Vridhachalam, Cuddalore District.

TANCEM is producing and selling cement and allied products through these plants. The Annual Turnover of TANCEM is Rs.250 crores. TANCEM has been using limestone from various mines on behalf of the Government of Tamil Nadu for the production of Cement. Cement is supplied primarily to meet the requirement of various Government Departments, particularly, Rural Development and Panchayat Raj Department, Tamil Nadu Electricity Board, Education Department, Co-operative Department etc. at concessional price. TANCEM also provides sustainable direct and indirect employment opportunities to nearly 2,000 persons in backward districts like Virudhunagar and Ariyalur.

Apart from this, TANCEM also plays a vital role in the procurement of cement from private manufacturers for the Rural Development and Panchayat Raj Departments and ensuring prompt supply of Cement to various Blocks of District Rural Development Agency for the implementation of rural development schemes.

The present production capacity of TANCEM is 7 lakh tons per annum which is only around 2% when compared with the annual production capacity of 343.8 lakh tons in Tamil Nadu. As a measure to make available higher quantum of cement to Government as well as to the public at an affordable price, action is being taken to increase the cement production capacity of

TANCEM from the existing 7 lakh tons to 19 lakh tons per annum.

5.2. Alangulam Cement Unit

TIDCO installed a cement plant in 1969 at Alangulam with annual capacity of 4 lakh tons per annum using wet process technology. When TANCEM was established in 1976, it took over the Alangulam Cement plant from TIDCO. Its present capacity is 2 lakh tons due to stoppage of one kiln.

5.2.1. Modernisation of Alangulam Cement Unit

The project cost has now been reassessed at Rs.195 crores inclusive of Rs.50 crores for the mines development works. By availing Government sanction of Rs.95.16 crores as "Ways and Means Advance" and "Interest free loan" to meet

its share of contribution and after getting the approval of the Project Investment Committee (PIC), TANCEM will modernize its Alangulam Cement Unit.

5.3. Ariyalur Cement Unit

TANCEM has established a second plant with Dry process technology at Ariyalur during 1979 with an installed capacity of 5 lakh tons per annum.

5.3.1. Expansion of Ariyalur Cement Unit

TANCEM has engaged a Private Consultancy as Project Management Consultant for the preparation of Detailed Project Report (DPR) and other activities in respect of the Ariyalur expansion project. On receipt of DPR, action will be taken for the expansion of Ariyalur Cement Unit.

5.4. Tamil Nadu Asbestos (Sheet), Alangulam

TANCEM set up an Asbestos sheet unit at Alangulam during 1981. Its present capacity is 28,800 tons. The main raw materials are Asbestos fibre and cement. The sale of Asbestos Cement Sheet fully depends on the open market. TANCEM has now engaged M/s. TNPL for the import of fibre and the first consignment of 495 tons of fibre has been imported from Russia for production of sheets.

5.5. Stoneware Pipe Factory, Virudhachalam

TANCEM took over the Stoneware Pipe Factory from TACEL in 1989 on the directions of the Government. The capacity of the plant is 5,400 tons per annum. The plant was modernized in 1993. The Chennai

Metro Water Supply and Sewerage Board, TNHB, TWAD Board and local bodies are the major consumers of this product.

At present, the contractors who are undertaking under ground Sewerage Schemes at Coimbatore and Erode districts are using the Stoneware pipes being produced in this factory. Likewise the Chennai Metro Water Supply and Sewerage Board are also using the Stoneware pipes of this factory for its maintenance work. During 2012-13, the unit has produced 4,286 tons and sold 4,340 tons and earned a profit of Rs.30.29 lakhs.

5.6. Steps taken by the Government to control cement prices in the Open Market

Government of Tamil Nadu has taken action to control the increase in the price of

Cement and to ensure greater Cement availability at a reasonable price for the poor and middle income households.

5.6.1. Supply of Cement through Civil Supplies Corporation and Sale at an affordable price

One lakh ton of Cement per month is being procured from Private Cement Manufacturers and sold to the Public through the Tamil Nadu Civil Supplies Corporation at a rate not exceeding Rs.200 per bag to construct new houses and repair the old houses. Particularly from the year 2011-12 to 2012-13, 9.93 lakh tons of cement have been procured and 9.96 lakh tons were sold at a reduced rate of Rs.200 per bag to the public.

5.6.2. Procurement of Cement from private manufacturers for Rural Development and Panchayat Raj Departments

The Cement requirement of Rural Development and Panchayat Raj Department for the year 2012-13 is around 13.85 lakh tons. TANCEM has been supplying around 4 lakh tons to that department at a price of Rs.235 per bag. To meet the remaining quantity of 9.85 lakh tons, TANCEM procures Cement at a rate of Rs.220 per bag from Private Manufacturers through tender and supplies to different schemes of the Rural Development and Panchayat Raj Department. The Cement requirement of Rural Development and Panchayat Raj department for the year 2013-14 is expected to be around 12.40 lakh tons, which will also be met in a similar manner.

5.6.3. Sale of Cement for Education Department, Public Works, Highways Department, Housing Board and Slum Clearance Board through Contractors

TANCEM is supplying Cement to Education Department, Public Works, Highways Department, Housing Board and Slum Clearance Board etc at a reduced rate of Rs.260 per bag to the Contractors of the concerned departments.

5.6.4. Sales in the open market

In order to control the Cement price in the open market, TANCEM is selling Cement to Public through stockists at an affordable price.

5.7. Energy Conservation

One Belt Bucket Elevator at a cost of Rs.1.50 crores has been installed in Ariyalur Cement Plant as an energy saving measure.

5.8. Proposed Measures in 2013-14

5.8.1. Energy Fuel Conservation

- (i) In order to replace the present power intensive pneumatic conveying systems, it has been proposed to install two additional Belt Bucket Elevator system at a cost of Rs.2 crores to convey raw material for Ariyalur Cement works as a power conservation measure. Work order has been issued and the work is in progress.
- (ii) In Ariyalur Cement plant, waste heat recovery system installation work has been initiated at a cost of about Rs.25 lakhs to utilize the waste heat from clinker cooler. The work order has been issued and the work is under progress.

5.9. Environmental Management

- (i) In Ariyalur Cement plant, work order has been issued to install two clinker cooler Electro Static Precepitators at a cost of Rs.7.5 crores. As a result of this installation, carbon emission will be contained which will contribute towards Environmental conservation. The work is under progress.
- (ii) In order to comply with Pollution Control Board norms, it has been proposed to upgrade two Kilns ESPs and coal mill ESP to control the emission level in Ariyalur Cement works. The work is under progress.

6. TAMIL NADU SALT CORPORATION LIMITED

Tamil Nadu is the second largest state in production of salt in the country. India produces around 220 lakh tons of salt per annum. Tamil Nadu produces around 12% of India's total production. Tamil Nadu Salt Corporation (TNSC) is the only company in India owned by State Government in the salt industry.

Tamil Nadu Salt Corporation was established in Valinokkam Village, Kadaladi Taluk, Ramanathapuram District with a view to develop the backward area, to provide employment to the local people and to avoid migration of people in search of job to other districts. Government allotted 5,520 acres of land on long term lease basis. The corporation is providing

employment to about 1,350 workers from 15 surrounding villages of Valinokkam area.

6.1. Industrial Grade Salt

TNSC is manufacturing around 1.75 lakh tons of good quality Industrial grade salt per annum. The quality of the salt produced by the Corporation is well accepted by the Chlor Alkali Industries in and around Tamil Nadu. There is good scope for further marketing of Industrial Grade salt.

The main customers for Industrial Grade salt are Tuticorin Alkali Chemicals, Dharanga Dhara Chemical Works, Arumuganeri, Shree Rayalaseema Alkalies and Chemicals, Kurnool, Travancore Cochin Chemicals, Cochin, Tamil Nadu Petro Products, Manali, Chemplast Sanmar

Limited Mettur and Chemfab Alkali Limited Pondicherry.

6.2. Fortified Salts

TNSC has expanded its activity into production of Iodised salt, Double Fortified (iron and iodine) Salt (Crystal Form) and Double Fortified Salt (Free Flow Form) and distributing to the States of Tamil Nadu, Kerala and Karnataka under Public Distribution System/Mid-day Meals schemes for the benefit of the common public and school going children.

6.2.1. Iron Fortified salt

TNSC has been associated with the Health Department of Government to implement the Health Programmes like eliminating Iron deficiency disorders among the school going children for the past

22 years. TNSC has been supplying Iron Fortified salt to Noon meal Programme of Government of Tamil Nadu since the year 1991. TNSC produced the Iron Fortified salt with the formula developed by National Institute of Nutrition Hyderabad during 1991. TNSC is the first Company in India to produce Iron Fortified salt. Initially as per the Government order, TNSC supplied Iron fortified salt to the anemia prone districts of Dharmapuri, Krishnagiri, Tiruchirappalli, Perambular, Ariyalur, Nilgiris and Salem. Later on the above programme was successfully extended to all the districts of Tamil Nadu.

6.2.2. Iodised Salt

TNSC took special steps and obtained the orders of the Government to include Iodised salt as an essential commodity and

to distribute through Fair Price Shops of Public Distribution System in the state at an affordable price. TNSC made a major breakthrough in improving the consumption level of Iodised salt among the people below the poverty line the state by distributing Iodised salt through the Public Distribution System. The Iodised salt is made available throughout the State (including hilly regions) from 1998 onwards.

TNSC was able to distribute Iodised salt to the Public Distribution System only to an extent of 3,000 tons per year during its introduction in 1997-98. After creating awareness by conducting sensitization campaigns and massive publicity with the assistance of UNICEF, Salt Department, District Administration and Health

Department of Government of Tamil Nadu, the sale of Iodised salt gradually increased manifold and currently it is 30,000 tons per annum.

The Crystal Iodised salt is being sold at an affordable price of Rs.3.50 per kg. When compared to other states in India, this salt is being sold at its lowest price in Tamil Nadu. TNSC is also distributing Refined Free Flow Iodised Salt through the PDS network at an affordable price of Rs.6 per kg when other branded refined free flow iodised salts are being sold at more than Rs.12 per kg in the open market.

6.2.3. Double (Iron and Iodine) Fortified Salt (Crystal Form)

TNSC for the first time in India produced Double Fortified salt (salt fortified

with Iron and Iodine) from 2004 onwards adopting the formula developed by Micronutrient Initiative, an International NGO. This product was introduced to control Iron deficiency anemia and Iodine deficiency disorders and salt in the form of crystal is used. TNSC has been producing Double Fortified salt since 2004 and distributing around 3,000 tons per month to the PTMGR Noon meal scheme throughout the state.

6.3. Production of Bromine

TNSC entered into Memorandum of understanding (MOU) with M/s. South India Bromine and Allied Chemicals (SIBAC), Thoothukudi for the production of bromine from the waste water (Bittern) left out after salt production. This water contains the Bromine chemical as a bye-product.

Previously TNSC used to let out the waste water (bittern) to sea itself. Now, as per the arrangement, TNSC is supplying the waste water to M/s. Sibac and the company is extracting Bromine, a value added product from the waste water. With this arrangement, TNSC is getting an additional income of around Rs.8 lakhs to 10 lakhs per annum.

6.4. ISO certified company

TNSC obtained ISO 9001:2008 certificate for Quality Management system for the production and supply of Industrial grade salt and Fortified salts. The corporation has been supplying Iodised salt through PDS network confirming to the ISI standards IS 7224:2006.

6.5. Achievements

6.5.1. Highest Production of Industrial Grade Salt

TNSC took earnest steps to provide training to its workers and staff by inviting eminent persons in the field of salt to train the workers and staff in the areas of effective utilization of the area, Brine Management (Sea water) and quality control efforts. As a result, TNSC was able to achieve highest production of salt since its inception.

During 2012-13, TNSC achieved its highest production of salt of 1.77 lakh tons in the history of the Corporation. This is 20% higher than the previous year's production of 1.47 lakh tons.

Similarly the sales turnover for the year 2011-12 was Rs.21.88 crores. During

2012-13, the Corporation has achieved turnover of Rs.26 crores which is 18.82% higher than previous year.

6.5.2. Additional area development – 2320 acres in the existing Mariyur Valinokkam Salt Complex

TNSC took 5,520 acres of land from Government and utilized only 3,200 acres up to 2010-11. In the current year (2012-13), with encouragement from Government, TNSC is developing 2,320 acres of the unutilized land at an estimated cost of Rs.7 crores. All the development works are expected to be completed by end of May, 2013 and production will be commenced in the new area from June, 2013 onwards. After inclusion of the newly developed areas, TNSC will increase its production of salt from the current level of

1.77 lakh tons per annum to 3.5 lakh tons per annum. Further, additional employment opportunity for 500 people will also be generated.

6.5.3. Introduction of white colour salt in transparent covers

TNSC till 2011-12 used to supply its fortified salts in opaque covers. From 2012-13 onwards, with encouragement from Government and for the first time it introduced transparent poly polyester laminated 1 Kg. pouches with pure white colour salt. Now the Corporation is distributing pure White Colour Salt in transparent 1 Kg. pouches in the Public Distribution system which is being welcomed by the public.

6.5.4. Increased Production of Double Fortified (Iron and Iodine) Salt (Free Flow)

TNSC produces two kinds of Double Fortified Salts one is under Micro-nutrient Initiative formula and the other under National Institute of Nutrition (NIN), Hyderabad formula. The NIN formula was introduced in the year 1998-99, but the production was very meagre and it was stopped. In view of requirement from various State Government ICDS schemes the demand for DFS is increasing. Therefore, TNSC took major steps for the production of Double Fortified Salt and signed a Memorandum of Understanding with National Institute of Nutrition, Hyderabad.

6.5.5. Market expansion

TNSC took special effort and re-entered the market of Karnataka and Andhra Pradesh after a gap of 5 years i.e. after 2008. During 2012-13, TNSC has been awarded an order of 5,000 tons DFS (NIN Free Flow) supply and 5,000 tons Crystal Iodised, Refined Free Flow Salt for Karnataka State and supply is in progress. Similarly, for the first time TNSC entered into the market of Kerala for the supply of 2,000 tons Iodised salt to Kerala PDS scheme.

TNSC has been awarded an order of 15,000 tons of Refined Free Flow Iodised for the year 2013-14 to Andhra Pradesh State Civil Supplies Corporation Limited and supply has commenced.

6.6. Corporate Social Responsibility

The Project office of Tamil Nadu Salt Corporation is located in Valinokkam Village, Kadaladi Taluk, Ramanathapuram District. This is one of the most backward Taluks in Tamil Nadu. TNSC is providing major employment to the workers belonging to around 15 villages in and around Valinokkam. As a part of Corporate Social Responsibility TNSC is providing tables and benches to the schools located adjacent to the factory. So far the Corporation has extended support to the Government Primary School, Kothankulam, Government Middle School, Kavakulam and Government Higher Secondary School, Melakidaram for a total value of around Rs.6.50 lakhs.

7. TAMIL NADU INDUSTRIAL GUIDANCE AND EXPORT PROMOTION BUREAU

Guidance Bureau (Tamil Nadu Industrial Guidance and Export Promotion Bureau) was instituted by Government of Tamil Nadu in January, 1992 with the objective of attracting major industrial projects to the State. Apart from this, Guidance Bureau is mandated to provide Single Window facilitation to large industries, implement ASIDE programme to improve export related infrastructure, etc.

During the period 2012-13, Guidance Bureau handled 25 major investment proposals with a total investment of Rs.27,893.76 crores.

7.1. Projects for which Government signed MoU (on 14.5.2012 - 5 projects and on 5.11.12 - 12 projects)

During 2012-13, 17 projects for which MoU were signed by the State Government were attracted and facilitated by Guidance Bureau. The total investment committed by these 17 companies was Rs.26,625 crores. The details are hereunder:

MoU signed on 14.5.2012

S. No.	Name of the Company & Product	Location	Investment (Rs. in crores)	Employment (Direct & Indirect)
1	Daimler (Commercial Vehicles)	SIPCOT Industrial Park, Oragadam	1000	3000
2	Ashok Leyland – Nissan (Commercial Vehicles)	SIPCOT Industrial Park, Pillaipakkam	2500	3000
3	Yamaha (Two Wheelers)	SIPCOT Vallam Vadagal Industrial Park	1500	3000
4	Eicher Motors (Unit: Royal Enfield) (Two Wheelers)	SIPCOT Oragadam Industrial Park	350	300
5	Phillips Carbon (Carbon black)	SIPCOT Thervoykandigai Industrial Park	350	230
Total			5700	9530

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MoU signed on 5.11.2012

S. No.	Name of the Company & Product	Location	Investment (Rs. in crores)	Employment (Direct & Indirect)
1	Hyundai Expansion (Cars)	SIPCOT Irungattukottai Industrial Park	4000	500
2	Indo Rama (PTA, PET and Synthetic fibres)	Ennore & Coimbatore	4500	500
3	ADD Industrial Park (Integrated textile and industrial park)	Coimbatore	3100	25000
4	BGR Energy Group (Turbines, generators and boilers)	Kancheepuram District	2325	2400
5	Harsha Group (Fibre glass, float glass, drilling equipment parts, etc.)	SIPCOT Thervoykandigai Industrial Park	4100	1850
6	Saint Gobain Glass India (Expansion) (Solar glass and refractory materials)	SIPCOT Perundurai Industrial Park	400	500
7	Danfoss Industries (Refrigeration and controls)	SIPCOT Oragadam Industrial Park	500	1200

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S. No.	Name of the Company & Product	Location	Investment (Rs. in crores)	Employment (Direct & Indirect)
8	Nokia India (Expansion) (Mobile handsets)	Nokia Telecom SEZ, Sriperumpudur	250	500
9	Sanmina – SCI India (Expansion) (Electronic hardware)	SIPCOT Oragadam Hi Tech SEZ	250	1500
10	Tube Investments of India (3 projects for manufacture of auto parts, welded tubes, industrial chains and bicycle)	Tiruvallur and Vellore Districts	500	1130
11	Amway India Enterprises (Nutrition and cosmetic products)	SIPCOT Nilakottai Industrial Park	300	475
12	TVS Group (2 & 3 wheelers, auto parts, etc.)	Expansion of Padi, Oragadam and Hosur	700	1300
	Total		20925	136855

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7.2. Projects for which Guidance Bureau provided single window facilitation

During 2012-13, following 8 projects with an investment of Rs.1268.76 crores were provided Single window facilitation by Guidance Bureau:

S. No.	Name of the project	Products	Location	Investment (Rs. in crores)
1	M/s. Kadimi Special Steels Private Limited	Cold Heading Quality Wire / Cold Drawn Bar	SIPCOT Pillaipakkam	75
2	M/s. Syntel International Private Limited – Expansion	Software Development facility	SIPCOT Siruseri	233
3	M/s. Syntel International Private Limited	Software Development facility	SIPCOT Gangaikondan	113.61
4	M/s. Lear Automotive India Private Limited	Automobile seats and ancillary parts	Mahindra World City	45.21

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S. No.	Name of the project	Products	Location	Investment (Rs. in crores)
5	M/s. NEC India Private Limited	Microwave communication equipment	SIPCOT Oragadam Hi Tech (inside Sammina-SCI)	163.20
6	M/s. Cookson India Private Limited	Non Ferrous Metals	SIDCO Industrial Estate, Ambattur	17.72
7	M/s. Honeywell Technology Solutions Lab Private Limited	Software Development facility	ELCOT IT/ITES SEZ, Madurai	27.02
8	M/s. HLL Biotech Limited	Integrated vaccines	Thirumani Village, Thirukalukundram	594
Total				1268.76

It is proposed to bring new investments to the tune of around Rs.30,000 crores to the State during 2013-14.

7.3. ASIDE (Assistance to States for Infrastructure Development for Exports and Allied Activities)

Executive Vice Chairman, Guidance Bureau has been designated as the Member-secretary to the State Level Export Promotion Committee (SLEPC) on ASIDE. Hence, Guidance Bureau receives proposals for ASIDE grant, scrutinises them to verify their eligibility and places them in the SLEPC meetings. So far, 13 meetings of SLEPC have been convened and last meeting was conducted on 18.7.2012.

Government of India have now modified the implementation strategy towards a "Basket Approach" where in States have to prioritize projects from within a basket of projects, instead of ASIDE being an open ended scheme. All States now have to furnish a list of 30 – 40

critical infrastructure projects with an investment of Rs.10 – 15 crores for funding from ASIDE.

Accordingly, a list of 44 projects was identified by the State Government, in consultation with various agencies and also on the basis of "Tamil Nadu Vision 2023" as the first batch of projects. As per the SLEPC decision, a Sub-Committee has been formed under the Chairmanship of Industries Secretary consisting of TIDCO, SIPCOT and Guidance Bureau to scrutinize the list of projects and submit the same to Government of India. The meeting of the Sub Committee took place on 7th January 2013, TIDCO has recommended 44 projects to be forwarded to Government of India.

7.4. Economic cooperation with Japan

Government of Japan and the Government of Tamil Nadu have signed a

bilateral Co-operation MoU to promote Japanese investments in Tamil Nadu. Under this, a Working committee has been constituted. The third meeting of the Working Committee with METI, Government of Japan was held on 27.2.2013 to promote bilateral economic cooperation between Tamil Nadu and Japan.

7.5. Joint Working Committee meetings

The Japanese Consulate in Chennai had proposed that a Joint Working Committee may be constituted under the Chairmanship of Chief Secretary to discuss various issues of interest to Japanese investors. Accordingly, Government, vide G.O. (Ms.) No.15, Industries Department, dated 9th January 2012 had constituted a Joint Working Committee. Executive Vice Chairman, Guidance Bureau has been

designated as the Member-secretary to this Committee. So far, two meetings of this JWC have also been held, and the second meeting was held on 26.10.2012.

7.6. Facilitation of Ascendas “One Hub Industrial Township”

Guidance Bureau signed an MoU with Ascendas of Singapore and JGC of Japan to provide facilitation to promote an Industrial Township near Mamallapuram, Kancheepuram District in an area of about 1,270 acres. Guidance Bureau convened several meetings of Project Facilitation Committee to expedite the implementation of this project. A number of Japanese Companies have evinced interest to set up their projects in this Township. This Township is expected to attract investments of over Rs.15,000 crores.

8.TAMIL NADU MAGNESITE LIMITED

Tamil Nadu Magnesite Limited (TANMAG) is a Public Sector Undertaking started on 6.2.1979. It is an ISO 9001-2008 (Quality Management System) and ISO 14001-2004 (Environment Management System) certified company.

TANMAG mines are situated in Salem District at the bottom skirt of Shervaroy's hills also known as Chalk block hills, Shervaroy's south forest range, at Kurumbapatti reserve forest area at an area of 96.34 hectares (238 acres). The lease for the Mines which was operated by the Salem Magnesite Private Limited was cancelled on 28.11.1978 and taken over by the Tamilnadu Magnesite Limited on 17.1.1979 to operate the above mines as "Arasu Magnesite Mines".

The mineral Magnesite (Magnesium Carbonate – $MgCo_3$) is a precious ore available in limited places in India. 70% of ore reserve is available in Tamilnadu particularly in Salem District.

As per the survey analysis made by Anna University the magnesite ore reserve at TANMAG mines will be 30.55 lakh tons as on 1.12.2011. Based on the annual mining quantity of 1,20,000 tons of Magnesite, the ore reserve is expected to last for another 25 years.

In order to preserve the rare mineral, TANMAG is operating the mines as Open Cast Mines.

The Raw Magnesite extracted in Mines is used for producing Dead Burnt Magnesite (DBM) at Rotary Kiln Division (RKD) and

Lightly Calcined Magnesite at Shaft Kiln Division (SKD) of TANMAG.

8.1. Rotary Kiln Division

Dead Burnt Magnesite is produced from Raw Magnesite excavated from Mines by the Rotary Kiln Division. The total Production capacity of RKD is 30,000 tons per annum.

This Dead Burnt Magnesite (DBM) is used for manufacturing Refractory Bricks and for Monolithics required for Steel industries.

8.2. Shaft Kiln Division

From Raw Magnesite, Lightly Calcined Magnesite is being produced by the Shaft Kiln Division. The total production capacity of SKD is 17,000 tons per annum.

This Lightly Calcined Magnesite (LCM) is used for manufacturing Chakki Stones

which is used for flour grinding, magnesite Chemicals, Animal feeds, for making Polish stones used for granite polishing, rayon and in paper industries.

8.3. Achievements

TANMAG is earning profit continuously from the year 2004-05. During the year 2011-12 the company sold 47,560 tons of finished magnesite products and achieved highest turn over of Rs.91.86 crores since its inception and earned a profit before tax of Rs.11.24 crores during the year 2011-12. By adopting aggressive sales strategies, the Company has attained 'ZERO STOCK' position of the products as on 31.3.2012 which is considered as historical achievement in TANMAG.

While Mining Magnesite, Dunite is obtained as a Secondary Mineral. The main

ingredient of Dunite is Magnesium silicate. During the year 2012-13, TANMAG have sold 61,491 tons of Dunite which is a two fold increase over last year sales of Dunite.

During 2012-13, the company sold 37,693 tons of magnesite products achieving Rs.88.22 crores turnover and profit of Rs.12.75 crores approximately (unaudited) before tax.

8.4. Plan of Action for the years 2013-14 and 2014-15

The production and sales targets for the year 2013-14 and 2014-15 are as follows:
(Qty in tons)

Particulars	2013-14		2014-15	
	Production	Sales	Production	Sales
Raw Magnesite	1,20,000	1,20,000	1,20,000	1,20,000
Dead Burnt Magnesite	30,000	30,000	30,000	30,000
Lightly Calcined Magnesite	17,000	17,000	17,000	17,000

9. TAMIL NADU INDUSTRIAL EXPLOSIVES LIMITED

Tamil Nadu Industrial Explosives Limited was established in Katpadi, Vellore District in the year 1986. It is in the business of manufacturing Explosives and accessories and having the following units:

Explosives Details	Year of Commencement of Production
Detonators and Detonating Fuse	1988
Slurry Explosives	1992
Emulsion Explosives	2004
Mono Methyl Amine Nitrate	2007
Nitro Glycerine Explosives	Commenced in 1986 and subsequently banned by Government of India from 1.1.2004.

9.1. The Explosives & Accessories are mainly used in the following Public Sector Undertakings:

Public Sector undertakings like SCCL, Coal India, NLC, ONGC, HCL, UCIL, Cement

Industries and TANMAG are some of the major customers of TEL. Further the explosives and accessories are used for mineral exploration activities.

Exports are also made to Overseas Markets like Philippines, Australia, Ethiopia, Bolivia and Angola.

The company has the necessary infrastructural facilities to manufacture the products required by the market and to achieve optimum sales. TEL has earned a net profit for 6 years and cash profit for 9 years between 1992-93 to 2002-03. From 2003-04 onwards, it has incurred loss due to banning of the production and sale of NG Explosives by Government of India.

9.2. Action Plan for the Years 2013-14 and 2014-15

The Company has achieved a turnover of Rs.33.5 crores (inclusive of Merchandize

Export of ammonium Nitrate to the extent of Rs.2.50 crores) during 2012-13.

For 2013-14 the Company hopes to improve the Working Capital position by obtaining Ways & Means Advance of Rs.2 crores from Government and this will help the Company to achieve higher production and turnover. Moreover, the Company has proposed to give a thrust for Exports as it earns better margins from exports. As against the export turnover of Rs.9.12 crores in 2012-13, the Company shall endeavour to improve it to Rs.15 crores in the current year which will give a margin of Rs.1.50 crores. Further, the installation of a new Wood Fired Boiler with the financial assistance of Rs.1.08 crores provided by Government will bring down the cost of Furnace oil by

around Rs.50 Lakhs per annum. This will reduce the cost of production of Emulsion products leading to competitive pricing and thus higher sales of these products. Further, by utilization of other cost saving measures like use of Galvanised Iron (GI) Wire in the place of Copper Wire in the production of Powertel-1, Powertel-5 explosives the Company is expecting to reduce the cost of production of these explosives.

The above steps will help the Company to reduce its loss in 2013-14. For 2014-15, the Company will further improve its viability.

10.TAMIL NADU MINERALS LIMITED

Minerals are finite and exhaustible, TAMIN's endeavour is to exploit prudently the available nature's resources and market the minerals profitably. The main objective of TAMIN is production and marketing of granite raw blocks, granite finished products, major minerals and mineral based products. Large deposits of black, colour granite blocks and Major Minerals like Graphite, Quartz, Feldspar, Limestone, Silica Sand and Vermiculite are being exploited by adopting scientific mining and are marketed through fair trade practices as "value added products".

10.1. Vision

Aspire to be top in the minerals sector for value creation and conservation of natural minerals.

10.2. Mission

- ❖ Continuous search for new mineral deposits
- ❖ Continuous updation of technology in safe mining operations, quality control measures and mineral processing and marketing.
- ❖ Export of granites and minerals with value addition for earning foreign exchange for the State and the Country.
- ❖ Generate gainful employment to people in rural and backward areas by the development of quarries and mines and offering opportunities to qualified technicians in the manufacture of value added quality products.

- ❖ Sustainable development of Quarries and Mines and recovery of maximum useful granite and other minerals.

10.3. Lease Details

TAMIN is having 148 leases in an extent of 2126.46.16 Hects.

Minerals	No. of Leases	Extent (in Hects.)
Black Granite	75	964.80.96
Colour Granite	55	836.71.00
Major Minerals	18	324.94.20
Total	148	2126.46.16

10.4. Significant Initiatives taken during 2012-13

- (i) TAMIN initiated action to fetch higher export orders by which Rs.13.64 crores worth of Granite was exported to Eastern European countries, China, Japan, etc., from Black Granite quarries after a long gap.
- (ii) By engaging modern machineries like mega rock breaker the production of

Lime stone has been increased from 15,000 tons per month in 2011-12 to 60,000 tons per month in 2012-13.

- (iii) TAMIN earned additional revenue of Rs.1 crore during 2012-13 from sales of IS Sand and Exfoliated vermiculites.
- (iv) In order to turn around the TAMIN Granite Factory at Manali, certain initiatives have been taken. As the export market for Japanese monuments is encouraging, this unit has commenced the production of Japanese monuments for the first time.
- (v) In Sivaganga Graphite Mine, two pits are being operated. In order to increase the ore production and to have buffer stock for blending the various grades of raw ore, one

additional pit has been opened and an additional quantity of about 2,000 tons of raw ore has been mined. The surplus manpower in units is diverted to other needy units and is being used to enhance the production of graphite plant which will add revenue and absorb additional cost.

- (vi) To cater to the additional demand for silica sand, one new pit has been developed at Mudaliyarkuppam Silica Sand mine, Villupuram District and raw sand is being sieved through labour contractor apart from sieving by existing self help groups. Mechanized sieving is also planned. This new initiative will reduce the labour cost and improve the production. It is expected that these improvements and initiatives, will

fetch additional revenue to the tune of Rs.80 to 90 lakhs per annum.

- (vii) In order to audit the mined areas of the quarries and to keep strict vigil over the mining activities, a Mine Audit Committee has been constituted. This committee consist of Assistant General Manager of TAMIN, Mine Surveyor of TAMIN and an external cost Auditor. This Committee will audit each mine once in two months.
- (viii) A three member Core committee consisting of 2 mining staff and one worker is formed to monitor the day to day quarry operations like production, sales, dispatches and machinery utilization for better control.

10.5. On Going Projects

10.5.1. M. Sand (Manufactured Sand)

TAMIN proposed to set up manufactured sand factories in four different parts of state after detailed technical study.

M/s. ITCOT, Chennai has been awarded to study and submit a technical and economical feasibility report in M-Sand. The Board of TAMIN while noting the feasibility report of M/s. ITCOT Limited has proposed implementing the project through a Public Private Partnership / Joint Venture model in four different parts of the state.

10.5.2. Modernisation of TAMIN Granites, Manali

This factory was started in the year 1986 to produce building slabs, monuments and sawn thick slabs. As the existing

machineries at the Manali Unit are old, and obsolete and quality products could not be produced, the production of building slabs was discontinued from 2008. A techno-economic feasibility report to modernize the unit at an investment of Rs.12 crores has been prepared. It is proposed to install new machineries and to produce 1,20,000 M² of building slabs per annum for export.

10.5.3. Addition of Capacity in Sivaganga Graphite Factory

Graphite ore mined from Sivaganga Graphite mines is beneficiated to Graphite concentrate with fixed carbon content up to 96% for use in Industrial Sector. TAMIN has initiated action to prepare Detailed Project Report, with the technical assistance from M/s. Institute of Metals and Minerals Technology, Bhubaneshwar, Odisha for modernizing the graphite factory. Based on

local and export demand, it is proposed to augment the capacity of the Plant by adding an additional process circuit.

10.5.4. Modernisation of Indian Standard Sand Unit at Ennore

TAMIN has proposed to increase the production capacity of Indian Standard Sand Unit at Ennore to meet the market demand. M/s. ITCOT has submitted a report on the capacity enhancement of Indian Standard Sand Unit, Ennore and the same is under consideration.

10.6. Management of Mines and Quarries

TAMIN is adopting modern techniques with State of the art mining machineries in all its mines to increase production and to protect the environment against noise, dust, smoke and vibrations.

TAMIN also raises plantation in the debris dumps and along the boundaries of the mines as well as unused and barren lease lands to protect the environment.

10.7. Mines Safety Awards

Out of 42 companies participated, TAMIN has been awarded 9 First prizes and 8 second prizes during the mines safety week celebrations in the year 2012 by the Tamil Nadu and Kerala Mines Safety Association patronized by the Director General of Mines Safety (DGMS) for various aspects for safe and scientific mining operations.

11. DEPARTMENT OF GEOLOGY AND MINING

Minerals form the basic resources for the development of mineral based industries and economic growth of the Nation. Tamil Nadu is endowed with several Industrial Minerals like Lignite, Limestone, Garnet Sand, Silica Sand, Quartz and Feldspar, Graphite, Oil and Natural Gas, Magnesite, Iron Ore etc and also common use minor minerals including Black and Multi Coloured Granite. Minerals are non-renewable assets which are to be scientifically exploited and judiciously utilized without detriment to the environment.

The Department of Geology and Mining is performing the following main functions:

- (i) Mineral Exploration, Mineral Reserves and Evaluation of

various mineral deposits occurring in the State.

(ii) Geo-technical studies in the Hill tracts of the Nilgiris and Kodaikanal.

(iii) Mineral Administration.

11.1. Mineral Exploration

The exploration wing of the Department has carried out the investigation for Molybdenum, Gold and Platinum group of minerals in and around Chalk hills of Salem and Omalur Taluks of Salem district and Easwaramoorthypalayam village, Rasipuram taluk of Namakkal District.

Geochemical investigation over an area of 65 Sq.Kms in Salem and Omalur Taluks of Salem District and over an extent of 52 Sq.Kms in Namakkal District has been

carried out. 941 Geochemical samples were collected and 300 samples were sent to GSI, Hyderabad for analysis. Analytical reports for all the samples have been received.

11.2. Geo-Technical Studies

The Geo-Technical Cell of the Department prepares feasibility reports and offer suggestions and clearances for any construction activity in the hill areas. The Geotechnical Cell also helps the country planners in selecting land slide free areas for developmental activities by individual site studies. In addition, Technical Guidances are provided to the District Administration in mitigating landslide disasters and suggest safety and stability measures to safeguard human lives and property. The Geotechnical Cell examines

the suitability of sites from landslides angle for construction activities like check dams, industrial units and development of house sites for the developmental schemes in the districts of the Nilgiris and Dindigul. During the year 2012-13 the Geotechnical Cell has inspected and furnished 553 feasibility reports including site clearances.

11.3. Mineral Administration

The Department of Geology and Mining plays an important role in augmenting revenue from the mineral sector to the State Exchequer.

The Department is having 28 District Offices functioning under the head of Assistant Director / Deputy Director. The District offices are working under the control of respective District Collector and

over all control of the Commissioner of Geology and Mining.

11.3.1. Mineral Administration Activities

- i) Granting of mineral concession for both major and minor minerals in accordance with the relevant provisions of the Act and Rules.
- ii) Regulation of mining operations so as to ensure conservation and development of minerals.
- iii) Collection of royalty / seigniorage fee etc. and
- iv) Prevention of illicit mining and transport of minerals.

11.3.2. Acts and Rules Governing the Grant of Mining Leases / Quarry Leases

- i) Mines and Minerals (Development & Regulation) Act, 1957
- ii) The Tamil Nadu Minor Mineral Concession Rules, 1959

- iii) Mineral Concession Rules, 1960
- iv) Granite Conservation and Development Rules, 1999
- v) Tamil Nadu Prevention of Illegal Mining, Transportation and Storage of Minerals and Mineral Dealers Rules, 2011

11.4. Mineral Revenue

The effective and diligent measures taken by the Department in mineral administration have brought out considerable increase in mineral revenue the State exchequer. The Mineral Revenue of Rs.2.83 crores during the year of inception viz., 1983-84 has steadily increased to Rs.941.64 crores during 2012-13 which is the highest revenue so far achieved in the mineral history.

11.5. Mining Tenement System

Online Mining Tenement Registry is an information system in which the details of

mining leases are displayed online in the GIS based geo-referenced cadastral maps. In this project, these maps could thus be used to find out illegal mining in any part of the State.

Government have sanctioned Rs.1.08 crores for the preparation of online Mining Tenement Registry for the leasehold and mineral bearing villages of nine Districts viz., Coimbatore, Salem, Tirunelveli, Ariyalur, Krishnagiri, Madurai, Tiruchirappalli, Villupuram and Virudhunagar Districts through outsourcing during the financial years 2011-12 and 2012-13. The project has been entrusted to Tvl. ELCOT and the work in respect of three Districts viz., Coimbatore, Salem and Tirunelveli is under progress.

12. DEPARTMENT OF SUGAR

Sugar Industry in Tamil Nadu improves the economic conditions of the farmers in the rural areas. Tamil Nadu is one of the major producers of Sugar in the country and its contribution is about 9% of the country's total production. Sugar Industry generates direct and indirect employment to lakhs of rural population in cultivation, harvesting, transport and allied services.

There are 46 sugar mills in Tamil Nadu of which 16 sugar mills are in Cooperative Sector, 3 in Public Sector and 27 in Private Sector. At present 43 sugar mills are functioning i.e., 16 Co-operative Sugar Mills 2 Public Sector Sugar Mills and 25 in Private Sector.

12.1. Achievements

In our state, all the 43 operating mills have programmed to crush about 213.95 lakh tons of cane and to produce 19.58 lakh tons of sugar with an average recovery of 9.15% for this current crushing season (2012-13). During this season (up to 31.3.2013), the Co-operative and Public Sector Sugar Mills in Tamil Nadu have crushed 41.80 lakh tons of cane and produced 3.65 lakh tons of sugar with an average recovery of 8.90%. The details of mill wise cane crushed for the season 2011-12 and estimate for 2012-13 season are shown in the performance particulars of this Department.

The State Government have announced Rs.2,350 as State Advised Price inclusive of transport charges of Rs.100 per

ton for 2012-13 season. Higher production of sugarcane will be utilised for the production of Ethanol in addition to production of sugar.

The Tamil Nadu Cooperative Sugar Federation Limited as the Nodal Agency is looking after the sale of sugar for all Cooperative and Public Sector Sugar Mills. During the financial year 2011-12, a quantity of 3.86 Lakh tons of sugar have been sold and a sum of Rs.1,075.45 crores have been realized out of sale of 90% free sugar and the remaining 10% as levy sugar as per Government of India release orders. During the financial year 2012-13, a quantity of 4.56 Lakh tons of Sugar have been sold and an amount of Rs.1,471.47 crores was realized.

The by product bagasse is used as bio- fuel to generate steam and power required for the operation of the mill. After internal consumption the surplus bagasse is being sold to other users such as paper industry on tender basis. During the financial year 2011-12 a quantity of 51,244 tons of bagasse have been sold and earned a sum of Rs.6.57 crores by the Co-operative and Public Sector Sugar Mills. During the financial year 2012-13, a quantity of 63,247 tons of Bagasse have been sold and an amount of Rs.8.26 crores was realized.

Another valuable by-product of sugar mill is molasses which is utilized for production of alcohol, chemical purpose and cattle feed. During the financial year 2012-13, a quantity of 1.63 Lakh tons of

Molasses have been sold and an amount of Rs.22.60 crores was realized.

Press mud is also one of the by-products of sugar mill which is utilized for production of Vermi Compost and enriched press mud by adding micro nutrients and bio organisms. The entire quantity of press mud is distributed to the cane farmers of the concerned sugar mill.

During the financial year 2012-13, a quantity of 59.55 Lakh Liters of Rectified Spirit have been sold and an amount of Rs.10.46 crores was realized from the Distillery units that are functioning in Salem and Amaravathi Co-operative Sugar Mills.

The requirement of Ethanol for 5% blending with petrol in Tamil Nadu is about 11 crore litres per annum. So far 8 (6 private and 2 co-operative) ethanol

plants having production capacity of 9.60 crore litres per annum have been established in Tamil Nadu, of which 2 ethanol plants have been set up in Amaravathi and Salem Co-operative Sugar Mills with a total capacity of 1.80 crore litres per annum.

The existing co-generation plants are functioning at an installed capacity of 7.50 MW in M.R. Krishnamurthy, Cheyyar Co-operative Sugar Mills respectively and Subramania Siva Co-operative Sugar Mills with an installed capacity of 5 MW. During the financial year 2012-13, surplus power to the tune of 85.29 lakh units have been exported to the State Grid and an amount of Rs.3.52 crores was realized.

12.2. Action Plan for the years 2013-14 and 2014-15

Sl. No.	Particulars	2013-14	2014-15
1	Cane Crush (Lakh tons)	55	60
2	Sugar production (Lakh tons)	5.20	5.76
3	Recovery (%)	9.45	9.60
4	Capacity utilization (%)	74	81

In order to protect the interest of cane growers, it will be ensured that Government owned and Private sugar mills will make payment for cane on time.

12.3. Co-generation & Modernisation

The cogeneration project in 12 sugar mills (10 co-operative and 2 public sector) with a capacity 183 MW is undertaken at a total cost of Rs.964.88 crores. The project works are expected to be completed during the financial year 2013-14.

S. No.	Name of the sugar mill	District	Capacity in MW	Cogeneration cost (Rs. in crores)
1	Salem Coop. sugar mills	Namakkal	15	79.18
2	Subramania Siva Coop. sugar mills	Dharmapuri	15	78.83
3	Dharmapuri District Coop. sugar mills	Dharmapuri	12	60.20
4	Vellore Coop. sugar mills	Vellore	15	79.51
5	Cheyyar Coop. sugar mills	Thiruvanamalai	15	81.03
6	Kallakurchi -I Coop. sugar mills	Villupuram	15	84.12
7	Kallakurchi -II Coop. sugar mills	Villupuram	15	76.81
8	Chengaltrayan Coop. sugar mills	Villupuram	18	94.25
9	M.R.Krishnamoorthy Coop. sugar mills	Cuddalore	15	75.54
10	National Coop. sugar mills	Madurai	15	80.61
11	Perambalur sugar mills	Perambalur	18	96.14
12	Arignar Anna sugar mills	Thanjavur	15	78.66
	Total		183	964.88

Along with the co-generation programme these 12 sugar mills are being modernized at a cost of Rs.276.27 crores to reduce power and steam consumption in sugar manufacturing process, enhance power production and also to increase quantity of power for export to State Grid.

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12.3.1. The Modernization project details are given below:

(Rupees in crores)

S. No	Name of the sugar Mills	District	Modernisation Cost
1	Salem Coop. sugar mills	Namakkal	7.88
2	Subramania Siva Coop. sugar mills	Dharmapuri	11.15
3	Dharmapuri District Coop.sugar mills	Dharmapuri	11.21
4	Vellore Coop.sugar mills	Vellore	37.07
5	Cheyyar Coop. sugar mills	Thiruvanamalai	14.68
6	Kallakurchi -I Coop.sugar mills	Villupuram	9.02
7	Kallakurchi -II Coop. sugar mills	Villupuram	10.96
8	Chengaltrayan Coop. sugar mills	Villupuram	40.95
9	M.R.Krishnamoorthy Coop. sugar mills	Cuddalore	13.63
10	National Coop. sugar mills	Madurai	39.94
11	Perambalur sugar mills	Perambalur	42.72
12	Arignar Anna sugar mills	Thanjavur	37.06
	Total		276.27

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12.4. Distillery cum Ethanol Plant

The Government Orders for the establishment of 45 Kilo Litres per Day (KLPD) Distillery-cum-Ethanol Plant in Cheyyar Co-operative Sugar Mills have been issued. The project at a cost of Rs.66 crores will be taken up during the year 2013-14.

The works relating to the establishment of a 45KLPD Distillery-cum-Ethanol Plant in MRK Co-operative Sugar Mill will be started after getting the orders from the Green Bench.

12.5. New Initiatives

The preliminary activities for establishment of a 45 KLPD Distillery-cum-Ethanol plant in Arignar Anna Sugar Mills, Thanjavur will be initiated during the year 2013-14.

P. THANGAMANI
Minister for Industries

PERFORMANCE DETAILS OF THE CORPORATIONS / DEPARTMENTS UNDER THE CONTROL OF INDUSTRIES DEPARTMENT

**STATE INDUSTRIES PROMOTION
CORPORATION OF
TAMIL NADU LIMITED**

State Industries Promotion Corporation of Tamil Nadu has so far developed 19 Industrial Complexes including 7 SEZs in 12 Districts across the State. About 27,000 acres of land have been acquired for the purpose. Out of the allottable extent, 20,806 acres of developed industrial plots have been allotted to 2,184 units including SEZs and thereby attracted investment of about Rupees One Lakh crores and created direct and indirect employment opportunity for about 5.55 Lakh persons.

The extent of land allotted in each complex, No. of units allotted, investment envisaged and employment generated are given below:

Sl. No.	Name of the Complex / Park / Growth Centre	Allotted upto 31.3.2013 Extent (in acres)	No. of Units Allotted upto 31.3.2013	Investment (Approx.) (Rs. in crores)	Employment (Approx.)
1	Ranipet Industrial Complex	913.76	206	2318.72	27858
2	Hosur Industrial Complex	1678.46	256	4505.78	26483
3	Pudukottai Industrial Complex	319.85	95	60.69	2500
4	Manamadurai Industrial Complex	356.05	71	2406.09	4619
5	Gummidipoondi Industrial Complex and Export Development Industrial Park	1149.78	305	917.00	14165
6	Tuticorin Industrial Complex	1175.55	88	4782.00	5024
7	Cuddalore Industrial Complex	2472.64	86	980.46	6959
8	Irungattukottai Industrial Park	1343.94	234	8880.89	23492
9	Pillalpaikkam Industrial Park	687.93	82	5321.69	17761
10	Sriperumbudur Industrial Park	1889.26	126	16381.66	91634

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Sl. No.	Name of the Complex / Park / Growth Centre	Allotted upto 31.3.2013 Extent (in acres)	No. of Units Allotted upto 31.3.2013	Investment (Approx.) (Rs. in crores)	Employment (Approx.)
11	Siruseri Information Technology Park	530.40	77	11362.68	156646
12	Nilakottai Industrial Complex	225.05	26	906.86	3417
13	Bargur Industrial Complex	418.89	79	614.32	2272
14	Perundurai Industrial Growth Centre	1687.42	225	2506.09	23077
15	Gangaikondan Industrial Growth Centre	951.37	39	1251.20	4682
16	Oragadam Industrial Growth Centre	2802.48	120	17126.69	63584
17	Cheyvar Industrial Complex	364.35	10	626.00	6598
18	Mappadu Industrial Park	121.74	1	260.50	700
19	Thervoykandigal Industrial Park	601.62	8	7000.00	5800
	Total (Domestic Tariff Area)	19,690.54	2,134	88,209.32	4,87,271

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Special Economic Zones

In order to promote exports, SIPCOT has also ventured into promotion of sector specific Special Economic Zones in its industrial Complexes / Parks. The Organization has so far promoted seven such SEZs as given below:

Sl. No.	Name of the SEZ	Allotted upto 31.3.2013 (in acres)	No. of units allotted upto 31.3.2013	Investment envisaged (Rs. in crores)	Employment generated
1	Hi-tech SEZ, Sriperumbudur	465.48	23	7,373.31	47,510
2	Hi-tech SEZ, Oragadam	303.86	14	3,208.45	15,336
3	Granite SEZ, Bargur	80.71	2	135.87	960
4	Engineering SEZ, Perundurai	101.03	6	383.13	1675
5	Engineering SEZ, Ranipet	35.00	3	191.61	510
6	Transport Engineering SEZ, Gangaikondan	115.00	1	400.00	950
7	Footwear and Leather Products SEZ, Irungattukottai **	15.00	1	100.00	100
	Total	1,116.08	50	11,792.37	67,041

** Due to poor response, action is being taken to convert this as Domestic Tariff Area (DTA).

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The table given below shows the total extent of land, number of units etc allotted in both DTA and SEZs:

Sl. No.	Description	Allotted upto 31.3.2013 (in acres)	No. of units allotted upto 31.3.2013	Investment envisaged (Rs. in crores)	Employment generated
1	Industrial complexes/ Parks	19,690.54	2,134	88,209.32	4,87,271
2	SEZ	1,116.08	50	11,792.37	67,041
	Total	20,806.62	2,184	1,00,001.69	5,54,312

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Awards received for development of SEZ

SIPCOT has received the best developer awards for the year 2010-11 for its Hi-tech SEZs at Sriperumbudur (second) and Oragadam (third) from the Ministry of Commerce and Industry, Government of India.

Financial Performance

SIPCOT has been consistently earning profit for the last 7 years and it has paid 25% dividend to Government for the last 5 years.

(Rs. in crores)

Description	2008-09	2009-10	2010-11	2011-12	2012-13 (Provisional)
Total Income	351.86	302.09	908.73	649.83	537.92
Net Profit	90.38	92.69	121.95	197.60	218.14
Dividend declared (%)	25	25	25	25	25
Dividend Amount	14.48	14.48	14.48	14.48	14.48

**TAMIL NADU INDUSTRIAL
DEVELOPMENT CORPORATION
LIMITED**

Tamil Nadu Industrial Development Corporation Limited (TIDCO) was established as Government of Tamil Nadu Enterprise to stimulate industrial development and leverage capital investment through joint ventures. It promotes Special Economic Zones (SEZ) and Agriculture Economic Zones (AEZ) through joint ventures. Titan Industries, Tamil Nadu Petro Products, TIDEL Park, Mahindra World City, Ascendas IT Park, IT Expressway, Chennai Trade Centre and L&T Shipbuilding Limited are some of the industrial and infrastructure initiatives by TIDCO.

The various initiatives of TIDCO are progressing satisfactorily. Biotechnology Park-II at Taramani, A Liquefied Natural Gas (LNG) Import Terminal at Tiruvallur district,

Petroleum Refinery Project at Cuddalore, AEZ for Cashew in Cuddalore District, IT Park at Coimbatore IT and ITES SEZ at Taramani, Food Processing SEZ in Tuticorin, Free Trade Warehousing Zone in Tiruvallur district and Multi Product SEZ at Nanguneri, Perambalur & Krishnagiri Projects involving substantial investments and potential for high employment generation are in different stages of implementation.

Financial Performance

Investments by TIDCO in the form of equity and debentures in its projects stood at Rs.377.06 crores at the end of March, 2013 (provisional).

TIDCO earned the following income during 2012-13 (Provisional): (Rs. in Lakhs)

Dividend income	4935.69
Interest income	1356.45
Miscellaneous income	148.66
Profit on sale of investments	566.03
Remuneration from projects	2.50
Total	7009.33

Dividend was received from the following companies during 2012-13:

Sl. No.	Name of the Company	Dividend received during the year 2012-13	
		Dividend Rate (%)	Rs. in Lakhs
1.	JSW Steel Limited	95	92.81
2.	Mahindra World City Developers Limited	5	11.00
3.	Manali Petrochemicals Limited	10	67.27
4.	Mecco Industries Limited	100	1.89
5.	Tamil Nadu Petro-products Limited	5	79.22
6.	TIDEL Park Limited	30	322.50
7.	Titan Industries Limited	175	4331.00
8.	Tamilnadu Newsprint & Papers Limited	50	30.00
	Total		4935.69

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The Financial Performance of TIDCO for the last five years from 2008-09 to 2012-13 is furnished below:

(Rupees in crores)

Sl. No.	Particulars	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13 (Provisional)
1.	Capital Outlay	3.85	9.13	44.53	33.00	41.60	13.73	74.63	5.10	28.99	1.67
2.	Net worth	127.42	127.64	129.98	110.90	112.70	144.69	169.77	203.84	217.26	360.84
3.	Dividend Income	4.94	5.08	6.24	8.92	11.07	16.59	16.96	24.83	38.76	49.37
4.	Profit after tax	0.40	0.21	2.34	3.07	1.79	32.00	25.08	34.07	13.42	64.39
5.	Disinvestment Proceeds	4.31	1.46	2.94	16.12	27.82	2.60	-	7.39	-	3.88

TIDCO stopped acceptance of fresh fixed deposits and renewal of deposits with effect from 15.2.2007. The maturity date of last fixed deposit was on 8.2.2012. The unclaimed fixed deposits as on 31.3.2013 is at Rs.1.82 lakhs.

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TAMIL NADU NEWSPRINT AND PAPERS LIMITED

Mill Performance (Past twelve years)

Year	Production (in Tons)	Sales & other Income (Rs. in crores)	Profit before tax (Rs. in crores)	Profit after tax (Rs. in crores)	Export (in Tons)
2001 - 02	184267	562.30	70.26	35.31	27780
2002 - 03	167878	528.85	66.57	52.04	25871
2003 - 04	182215	582.90	68.58	52.80	30098
2004 - 05	196241	668.23	39.17	37.95	41264
2005 - 06	230079	801.41	101.47	80.55	38645
2006 - 07	231161	880.40	125.03	86.06	52712
2007 - 08	245471	969.65	163.06	112.83	42492
2008 - 09	254903	1100.30	157.85	107.38	33461
2009 - 10	245008	1073.62	158.06	126.06	50394
2010 - 11	265044	1225.04	195.14	148.99	64766
2011 - 12	343306	1538.99	125.11	108.94	80459
2012-2013 (Expected)	371637	1800.00	130.00	91.03	70951

**TAMIL NADU INDUSTRIAL
INVESTMENT CORPORATION
LIMITED**

The performance of the Corporation for the last seven financial years in its operational areas of Sanction, Disbursement and Recovery is given below:

(Rs. in crores)

Year	Sanction	Disbursement	Collection	Net profit ***
2006-07	457.03	321.33	369.78	7.59
2007-08	(*)488.79	377.28	378.14	19.46
2008-09	538.37	416.22	380.84	29.36
2009-10	668.13	570.27	494.88	44.84
2010-11	(**)939.25	(**)735.58	710.81	52.82
2011-12	800.97	702.94	776.76	48.40
2012-13 (Provisional)	969.53	789.05	888.62	35.50

(*) Excluding one time sanction of Rs.150 crores given to Co-operative Sugar Mills as per Government direction.

(**) This includes Rs.50 crores loan to Tamil Nadu Generation and Distribution Corporation Limited.

(***) Net Profit arrived after provisioning for NPA.

To promote industrial development in the industrially backward districts of Perambalur and Ariyalur, a new Field Office has been opened at Perambalur in June 2012.

3% interest subvention scheme for loans availed by MSMEs from TIIC implemented with effect from 3.9.2012.

TAMIL NADU CEMENTS CORPORATION LIMITED

The unit-wise Physical and Financial Performance for the years 2011-12 (Actuals) and 2012-13 (Provisional)

(Rs. in lakhs)

Sl. No.	Name of the Unit	2011-12 (Actuals)			2012-13 (Provisional)		
		Production Ton	Sales Ton	Profit/Loss	Production Ton	Sales Ton	Net Profit/Loss
1	Ariyalur Cement Unit	388055	387208	1186.06	482742	482246	1180.86
2	Alangulam Cement Unit	134640	134890	-1431.68	108870	103968	-1302.15
3	Tamilnadu Asbestos Sheet Unit at Alangulam	12521	16850	-309.58	2965	1404	-531.42
4	Stoneware Pipe Factory at Virudhachalam	4248	3858	7.76	4286	4340	30.29
5	Corporate Office at Chennai			90.80	-	-	491.36
6	Tamilnadu Asbestos (Pipes) Unit (Closed) at Mayanur			-19.10	-	-	-11.65
	Total			-475.74			-142.71

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TAMILNADU SALT CORPORATION LIMITED

Financial Performance

Tamil Nadu salt corporation is continuously earning profit from 1990-91 onwards. The financial performance of the corporation for past 16 years is given below :

(Rs. in lakhs)

Working Results				Paid to Government towards				
Sl. No.	Year	Sales Turnover	Gross Profit	Net Profit (after Tax)	Dividend	Lease rent	Add. Royalty	Total (6+7+8)
1	2	3	4	5	6	7	8	9
1	1997-1998	385.17	90.64	56.03	22.00	1.82		23.82
2	1998-1999	505.46	86.64	49.43	33.00	1.82		34.82
3	1999-2000	919.43	255.14	130.77	47.55	6.40		53.95
4	2000-2001	651.99	39.24	27.76	15.85	7.46		23.31
5	2001-2002	987.24	40.74	27.95	3.17	7.46	164.30	174.93

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Sl. No.	Year	Sales Turnover	Gross Profit	Net Profit (after Tax)	Dividend	Lease rent	Addl. Royalty	Total (6+7+8)
1	2	3	4	5	6	7	8	9
6	2002-2003	996.68	49.55	21.22	3.17	7.46	161.08	171.71
7	2003-2004	934.81	72.59	44.68	3.17	7.50	48.08	58.75
8	2004-2005	1298.10	137.37	83.59	10.30	7.47		17.77
9	2005-2006	1311.76	179.77	114.14	12.68	7.43		20.11
10	2006-2007	1760.68	130.36	83.27	12.68	7.43		20.11
11	2007-2008	2137.30	101.81	65.91	12.68	7.43	292.06	312.17
12	2008-2009	1686.12	192.31	121.85	12.68	7.43	257.00	277.11
13	2009-2010	1764.50	181.30	118.71	12.68	7.43	160.92	181.03
14	2010-2011	2172.46	326.29	228.43	17.61	7.43	135.45	160.49
15	2011-2012	2054.89	434.82	284.92	25.36	7.43	147.84	180.63
16	2012-2013 (Tentative)	2391.54	404.20	*	*	7.43	*	

(Rs. in lakhs)

* Exact amount will be known on completion of audit of accounts.

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Production of Fortified Salts

(Quantity in ton)

Sl. No.	Year	IODISED SALT						Double Fortified salt		
		Tamil Nadu	Tamil Nadu	Karnataka	Karnataka	Andhra Pradesh	Kerala	Total	Tamil Nadu	Karnataka	Total
1	2001-02	13228		10				13238		0
2	2002-03	23544	1533		785			25862	275	275
3	2003-04	24728	2141	843	2991	20		30723	536	536
4	2004-05	25253	2092	8900	2749	3836		42829	574	574
5	2005-06	27227	2021	7895	3187	2281		42610	607	607
6	2006-07	29590	1929	11691	2499	10368		56075	921	921
7	2007-08	30684	552	7492	1329	6192		46248	2142	620
8	2008-09	23769						23769	2432	2432
9	2009-10	25041		193				25234	2554	2554
10	2010-11	27076		219				27295	2043	2043
11	2011-12	24476						24476	2064	2064
12	2012-13	31224		491		17		32608	2191	1691

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Production of Industrial Grade Salt

TNSC commenced the production from the year 1976. In the year 2012-2013 TNSC achieved the highest production

Sl. No.	Year	Production (Tons)	Sales (Tons)
1	2000-01	157328	84895
2	2001-02	91280	116908
3	2002-03	146435	103833
4	2003-04	120192	96297
5	2004-05	133431	149576
6	2005-06	132908	94163
7	2006-07	139692	94557
8	2007-08	129805	123884
9	2008-09	81630	80867
10	2009-10	160920	97236
11	2010-11	135450	160800
12	2011-12	147845	138350
13	2012-13	178675	118197

TAMIL NADU MAGNESITE LIMITED

Tamil Nadu Magnesite Limited (TANMAG), a Government of Tamil Nadu Undertaking, an ISO 9001-2008 (Quality Management System) and ISO 14001-2004 (Environment Management System) certified company, was formed in the year 1979.

Activities of the Company

The Company have 3 Divisions i.e., Mines Division, Rotary Kiln Division and Shaft Kiln Division. The activities of 3 Divisions are as follows:

Mines Division

Mining operations are being carried out in 96.34 hectares. At present 1,13,000 tons of Raw Magnesite per annum have been produced at Mines to cater to the

requirements of Rotary Kiln Division and Shaft Kiln Division. The total Raw Magnesite production during the year 2011-12 was 1,12,356 tons and 1,10,440 tons for the year 2012-13.

The Raw Magnesite produced in Mines is used for producing Dead Burnt Magnesite (DBM) at Rotary Kiln Division (RKD) and Lightly Calcined Magnesite at Shaft Kiln Division (SKD).

Rotary Kiln Division

During the year 2011-12 the total production of Dead Burnt Magnesite was 28,808 tons and 22,721 tons for the year 2012- 13.

Shaft Kiln Division

The total production capacity of Shaft Kiln Division is 17,000 tons per annum. The total production of Lightly Calcined Magnesite was 15,413 tons during the year 2011-12 and 17,208 tons for the year 2012-13.

Details of Target, Production and Sale of Raw Magnesite, Dead Burnt Magnesite and Lightly Calcined Magnesite for the years 2007-08 to 2012-13

(Qty in Ton)

Year	Raw Magnesite		Dead Burnt Magnesite			Lightly Calcined Magnesite		
	Target	Production	Target	Production	Sales	Target	Production	Sales
2007-08	1,10,000	1,18,609	35,000	34,005	34,446	14,000	16,021	16,137
2008-09	1,31,000	1,16,420	34,500	30,614	28,324	17,000	14,809	14,999
2009-10	1,31,000	1,32,532	35,000	35,778	36,278	17,000	17,526	17,540
2010-11	98,000	96,085	26,000	26,034	26,611	13,500	14,206	13,657
2011-12	1,10,000	1,12,356	29,000	28,808	30,707	15,000 / 16,400	15,413	16,853
2012-13 (unaudited)	1,07,700	1,10,440	22,500	22,721	20,572	17,000	17,208	17,121

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Financial Performance

Details of Financial Performance for the past 10 years are given below :

Year	Income	Expen. other than Depreciation	cash Profit / Loss	Depreciation	Profit / Loss before Tax
2002 - 03	2276.84	2339.90	(-) 63.14	30.0000	(-) 93.14
2003 - 04	2505.47	2683.43	(-)177.96	25.4800	(-) 203.44
2004 - 05	3464.30	3211.74	252.56	24.45	228.11
2005 - 06	3517.53	3481.49	36.04	33.65	2.39
2006 - 07	4280.34	4134.28	146.06	34.42	111.64
2007 - 08	4964.38	4777.25	187.13	36.27	150.86
2008 - 09	6252.77	5606.15	646.62	93.60	553.02
2009 - 10	7895.42	6435.03	1460.39	102.34	1358.05
2010 - 11	6563.79	5784.21	779.58	98.80	680.78
2011 - 12	9121.34	7901.56	1219.78	97.09	1122.69
2012 - 13 (Provisional)	8822.13	7937.90	1384.42	108.81	1275.61

(Rs. in Lakhs)

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TAMIL NADU INDUSTRIAL EXPLOSIVES LIMITED

Production and Sales Performance

Production and sales performance for the last five years are as shown below:

Production Performance

Name	2008-09	2009-10	2010-11	2011-12	2012-13 (Unaudited)
MMAN (Tons)	140.000	335.750	100.000	380.000	429.000
Slurry Explosives (Tons)	2193.420	1474.510	1504.720	1263.150	622.800
Emulsion Explosives (Tons)	2687.750	3363.150	3294.090	3463.200	2732.100
Detonators (Lakh Nos.)	510.530	534.930	332.810	337.820	238.620
Detonating Fuses (Lakh Mtrs.)	130.910	94.710	100.100	70.480	9.300

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Sales Performance

Name	2008-09	2009-10	2010-11	2011-12	2012-13 (Unaudited)
MMAN (Tons)	140.00	180.000	100.000	360.000	460.000
Slurry Explosives (Tons)	2099.25	1563.710	1501.870	1273.560	573.509
Emulsion Explosives (Tons)	2742.00	3344.680	3275.530	3513.700	2709.100
Detonators (Lakh Nos.)	500.51	516.840	337.230	335.750	244.74
Detonating Fuses (Lakh Mtrs.)	130.78	103.930	94.510	72.600	14.400
Total Sales Value (Rs. in lakh)	4133.63	3986.00	3467.77	3862.08	3050.67

The Company has achieved a turnover of Rs.33.5 crores (inclusive of Merchandize Export of ammonium Nitrate to the extent of Rs.2.50 crores) during 2012-13.

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TAMIL NADU MINERALS LIMITED

TAMIN was established during April 1978, as an 100% undertaking of Government of Tamil Nadu. TAMIN is carrying out systematic and scientific exploitation of large deposits of black, White, Paradiso and other multi colour granites and also industrial minerals like Quartz, Feldspar, Vermiculite, Limestone, Silica Sand and Graphite in the State of Tamil Nadu for the past 30 years.

1. The estimated sales for the year 2012-13 has been Rs.115.56 crores against Rs.100.91 crores in the previous year (an increase of 15%)
2. The poor performing RA/RCSA contractors were terminated by forfeiting

their Security Deposits and invocation of Bank Guarantees.

3. The sale of 6,59,216 tons of Limestone fetched the highest revenue of Rs.21.44 crores during the year 2012-13 which is about 20% of Total turnover and in a milestone in the history of TAMIN.
4. The net profit at the estimated level of production and sales is Rs.203 lakhs for 2012-13, an increase of Rs.126 lakhs over the previous year.
5. Contribution to Government exchequer by way of seigniorage fee / Royalty for 2012-13 is estimated at Rs.14.70 crores.
6. Cost control measures will be continued vigorously to reduce the expenditure further and to increase the profit.

Production / Sales during 2012-13

Sl. No	Minerals	Production	Sales	
			Quantity	Value (Rs. in Lakhs)
1	Black Granites	16244 M ³	13214	4451.43
2	Multi Colour Granites	4225 M ³	4173	810.60
3	Limestone	670771 Ton	659216	1293.77
4	Graphite Ore	61054 Ton		
5	Quartz & Feldspar	4198 Ton	4270	117.88
6	Raw Vermiculite	1345 Ton	28	1.43
7	Silica Sand	3335 Ton		
8	Granite Finished Products	18300 M ³	12383	508.83
9	Graphite Flakes	5700 Ton	4199	2569.22
10	I.S. Sand	3335 Ton	2914	356.01
11	Exfoliated Vermiculite	1345 Ton	1151	114.82
	Total			10223.99
	Other Operating Income			1332.16
	Total Turn Over			11556.15

Sales Turnover

TAMIN has proposed to achieve a Sales Turnover of Rs.175.53 crores in the year 2013-14.

DEPARTMENT OF GEOLOGY AND MINING

The details of existing mining / quarrying leases and their extent for Major and Minor minerals are furnished below:

Major Mineral

Sl. No.	Name of the Mineral	No. of Existing Leases	Extent (in sq. km)
1	Oil and Natural Gas	25	469.91
2	Lignite	1	259
			Extent (in hectares)
3	Lime stone	426	6253.98.0
4	Garnet sand with associated minerals	79	780.04.5
5	Quartz & Feldspar	285	524.63.5
6	Other Major Mineral	131	2157.31.5
Total		947	9715.97.5

Minor Mineral

Sl. No.	Name of the Mineral	No. of Existing Leases	Extent (in hec.)
1	Black Granite	236	1286.45.0
2	Multi Colour Granite	578	2107.39.0
3	Gravel/Savudu/Earth	785	1790.45.0
4	Rough stone	3742	7131.78.5
5	Other Minor Mineral (Kankar, Black Clay & Pebble)	19	27.08.0
Total		5360	12343.15.5

Mineral Revenue

Year	Amount (Rs. in crores)
2008-09	571.12
2009-10	592.54
2010-11	671.38
2011-12	835.71
2012-13	941.64

DEPARTMENT OF SUGAR

The Sugar Industry is the largest agro based industry next to textiles in our state. Tamil Nadu is contributing about 9% of the total sugar production of the nation and stands in 4th position next to Uttar Pradesh, Maharashtra and Karnataka. There are 46 Sugar Mills in Tamil Nadu of which 16 are in Cooperative 3 in Public Sector and 27 in Private Sector.

Out of 46 sugar mills, 43 sugar mills are functioning and 3 sugar mills – one in Public Sector – namely Madura Sugar Mills (from 2002-03 season onwards) and two in Private Sector, namely Arunachalam Sugar Mills (from 2003-04 season onwards) and EMPEE Sugars (2011-12 season onwards) are not functioning.

The sugar production in the National level compared to the production of sugar in Tamil Nadu for the past 6 crushing seasons and the estimated sugar production for the current 2012-13 season are furnished below:

Crushing season (from October to September)	All India sugar production (in Lakh tons)	Co-op. and public sector sugar mills (in Lakh tons)	Private sector sugar Mills (in Lakh tons)	Tamil Nadu total sugar production (in Lakh tons)	% of Sugar produced in Tamil Nadu compared to All India
2006-07	282.00	8.09	17.30	25.39	9.00
2007-08	263.28	6.02	15.39	21.41	8.13
2008-09	146.00	4.94	11.01	15.95	10.92
2009-10	188.00	3.41	9.29	12.70	6.76
2010-11	245.00	4.26	14.20	18.46	7.53
2011-12	260.00	4.54	19.25	23.79	9.15
2012-13 (Estimated)	245.00	4.69	14.89	19.58	8.00

Sugarcane

Sugarcane is cultivated with tie-up arrangement with the respective sugar mills. In Tamil Nadu, the sugarcane area is clearly demarcated to the individual sugar mills to cultivate and develop cane to the capacity utilization of the mills. The crop loans, inputs like seed, fertilizers, pesticides, bio-inputs, etc. are supplied to the sugarcane farmers for cultivation of sugarcane under tie-up arrangement with Cooperative and Commercial Banks.

The total cane area registered and actual cane crushed during the past 6 years and the estimate for the current season is furnished hereunder:

Sugar season (from October to September)	Total cane area registered by the sugar mills (in Lakh hectares)	Total cane crushed by the sugar mills (in Lakh tons)	Capacity utilization % for 172 days of crushing	Recovery %
2006-07	2.97	274.49	144	9.25
2007-08	2.76	229.68	115	9.32
2008-09	2.29	165.72	73	9.62
2009-10	2.02	142.99	63	8.88
2010-11	2.19	203.12	77	9.09
2011-12	2.75	254.55	100	9.35
2012-13 (Estimated)	2.81	213.95	84	9.15

Cane Price

For the 2012-13 crushing season, the Government of India announced the Fair and Remunerative Price (FRP) as Rs.1,700 per ton linked to 9.5% sugar recovery with a premium of Rs.17.90 per ton for every 0.1% increase in sugar recovery. Every year, the Government of Tamil Nadu is announcing the State Advised Price (SAP) more than the Fair and Remunerative Price announced by the Government of India. For the 2012-13 crushing season, the State Government announced the State Advised Price as Rs.2,350 per ton (inclusive of Rs.100 per ton towards transport subsidy) linked to 9.5% sugar recovery, with a premium of Rs.17.90 per ton for every 0.1% increase in recovery.

The average cane price paid to the sugarcane growers in Tamil Nadu for the past six seasons are furnished below:

Sugar Season	Statutory Minimum Price FRP linked to 9% recovery (Rs./ ton)	State Advised Price linked to 9% recovery (Rs. / ton)	Average transport Cost (Rs./ ton)	Average recovery (%) of Previous season	Incentive for increase in recovery (Rs./ ton)	Average incentive towards recovery (Rs./ ton)	Average cane Price (Rs./ ton)
2006-07	802.50	1025.00	80	9.24	9.00	18	1123.00
2007-08	811.80	1034.00	85	9.25	9.00	27	1146.00
2008-09	811.80	1100.00	90	9.32	9.00	30	1220.00
2009-10	*1298.40	*1537.40	90	9.70	11.30	22.60	1650.00
2010-11	*1391.20	*1900.00	100	8.88	14.60	0	2000.00
2011-12	*1450.00	*2000.00	100	9.09	15.30	0	2100.00
2012-13	*1700.00	*2250.00	100	9.35	17.90	0	2350.00

* F.R.P. per Ton linked to 9.5% recovery.

Main Bio-control Research Lab

The Main Bio-control Research Laboratory, a unit of Tamil Nadu Co-operative Sugar Federation Limited is functioning at Chengalpattu, to serve sugarcane growers by way of producing effective and eco-friendly bio-fertiliser, bio-inputs and bio-pesticides. It is recognized by the Department of Science and Industrial Research, Government of India, New Delhi, catering to the needs of sugarcane growers through its innovative technological and research and development solutions. It helps the farmers in minimizing utilization of chemical fertilizers by enhancing the soil fertility with the awareness of organic farming.

The details of production of Bio-inputs during 2006-07 to 2012-13 are furnished below:

Sl. No.	Name of the products	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
1.	Acetobacter (in ton)	129.00	119.00	81.02	123.00	65.00	133	146.00
2.	Phospho bacterium (in ton)	76.00	70.00	33.92	78.00	41.00	81	80.00
3.	Trichoderma, viride (in Ton)	13.00	14.00	2.01	15.00	14.00	16	16.02
4.	Bio-inoculum (in ton)	10.10	9.30	2.91	10.20	12.10	15	18.41
5.	Granulosis virus (in 250 ml.bottles)	6446	8000	10000	6000	10000	13000	13608
6.	Pseudomonas (in ton)	...	8.50	0.02	19.00	20.05	13	14.50
7.	Metarrhizium (in ton)	...	...	...	...	6.00	6	5.00
8.	A. Mycorrhiza (in ton)	...	...	...	...	11.00	12	18.93

Performance

During the current season 2012-13 all the sugar mills in the State have programmed to crush 213.95 tons of cane and produce 19.58 Lakh tons of Sugar with an average recovery of 9.15%.

In the current 2012-13 season as on 31.3.2013 the Co-operative and Public Sector sugar mills have crushed 41.80 tons of Cane and produced 3.65 tons of sugar with an average recovery of 8.90%.

The details of total quantity of cane crushed, sugar produced, average recovery percentage and capacity utilization of sugar mills (Sector wise) for the past 4 seasons (October to September) and estimates for the current seasons are given in Annexure-I.

The individual mill wise performance for the year 2011-12 crushing season is given in the Annexure-II.

The estimated cane crushing, sugar production, recovery and capacity utilization for the 2012-13 crushing season is furnished in the Annexure-III.

Ownership of the Mills

The total share capital of all the Co-operative and Public Sector sugar mills is Rs.253.64 crores, of which the Government share alone works out to Rs.126.09 crores and the remaining share capital of Rs.127.55 crores is held by about 5 lakh members.

The details of share capital structure of Co-operative and Public Sector sugar mills, is given in the Annexure-IV.

Financial Performance of Sugar Mills

For the financial year 2011-12, 3 Sugar Mills have earned current year profit out of 18 Co-operative and Public Sector Sugar Mills. For the financial year 2012-13, provisionally 5 sugar mills have earned profit during current year out of 18 Co-operative and Public Sector Sugar Mills.

Awards

The National Federation of Co-operative Sugar Factories (NFCSF), New Delhi has awarded the following Prizes for the Sugar Season 2011-12 (other recovery area).

1	Kallakurichi-II Cooperative Sugar Mills Limited	Best Co-operative Sugar Factory
2	Tirupattur Cooperative Sugar Mills	First Prize for Cane Development
3	Dharmapuri District Cooperative Sugar Mills	Second prize for Cane Development
4	Subramania Siva Coop. Sugar Mills Limited	First Prize for Financial Management
5	Salem Cooperative Sugar Mills	Second Prize for Financial Management

ANNEXURE – I
Sector wise Cane crushed, Sugar Produced, Recovery and Capacity Utilization
for the past 4 years and estimates for current season 2012-13

Item	2008-09			2009-10			2010-11			2011-12			2012-13 (Estimated)			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Coop. & Public Sector																
Private Sector																
Total / Average																
No. of working sugar mills	17	20	37	17	22	39	18	26	44	18	25	43	18	25	43	
Cane crushed (in lakh tons)	49.86	115.86	165.72	37.73	105.26	142.99	46.88	156.24	203.12	50.26	204.29	254.55	52.01	161.94	213.95	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Sugar produced (in lakh tons)	4.94	11.01	15.95	3.44	9.29	12.70	4.25	14.20	18.46	4.54	19.25	23.79	4.69	14.89	19.58
Average recovery	9.91	9.50	9.62	9.10	8.83	8.88	9.09	9.09	9.09	9.04	9.42	9.35	9.02	9.19	9.15
Capacity utilization(%)	72	77	73	54	67	63	63	83	77	68	113	100	70	90	84

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ANNEXURE - II

Sugarcane Crushed and Sugar Production for 2011-12 Season

Sl. No.	Name of Sugar Mills	Tons Capacity per Day	Cane required for 100% capacity	Cane crushed (Lakh tons)	Sugar production (Lakh tons)	Recovery %	Capacity utilisation (%)
I COOPERATIVE SECTOR							
1	Ambur	1400	2.40	1.48	0.14	9.45	62
2	Amaravathi	1250	2.15	1.70	0.16	9.53	79
3	Salem	2500	4.30	4.28	0.41	9.54	100
4	Kallakurichi - I	2500	4.30	4.64	0.41	8.79	108
5	Dharmapuri	2000	3.44	3.15	0.33	10.57	92
6	Vellore	2500	4.30	2.36	0.22	9.37	55
7	Tirupattur	1250	2.15	1.93	0.20	10.45	90
8	Chengalrayan	3000	5.16	3.72	0.31	8.45	72
9	Tiruttani	2500	4.30	2.55	0.22	8.68	59
10	NPKKR	3500	6.02	1.50	0.11	7.00	25
11	M.R.K.	2500	4.30	2.68	0.20	7.57	62
12	Cheyar	2500	4.30	3.46	0.27	7.85	80
13	Subramaniya Siva	2500	4.30	2.57	0.27	10.49	60
14	Kallakurichi II	2500	4.30	4.31	0.41	9.45	100
15	National	2500	4.30	2.83	0.28	9.99	66
16	Madurantakam	2500	4.30	0.74	0.05	6.23	17
	TOTAL-(A)	37400	64.32	43.9	3.99	9.10	68

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Sl. No.	Name of Sugar Mills	Tons Capacity per Day	Cane required for 100% capacity	Cane crushed (Lakh tons)	Sugar production (Lakh tons)	Recovery %	Capacity utilisation (%)
II PUBLIC SECTOR							
17	Artignar Anna	2500	4.30	3.52	0.30	8.60	82
18	Perambalur	3000	5.16	2.84	0.24	8.60	55
	TOTAL-(B)	5500	9.46	6.36	0.54	8.60	67
	TOTAL-(A)+(B)	42900	73.78	50.26	4.53	8.85	68
III PRIVATE SECTOR							
19	EID Parry (Nellikuppam)	5000	8.60	16.81	1.45	8.60	195
20	EID Parry (Pettavaithalai)	2500	4.30	9.10	0.84	9.25	212
21	EID Parry (Pugalur)	4000	6.88	12.17	1.19	9.75	177
22	EID Parry (Aranthangi)	3500	6.02	10.03	0.95	9.51	167
23	Thiru Arooran-I(A Chittur)	3500	6.02	6.75	0.63	9.36	112
24	Thiru Arooran -II (Thirumandanqudi)	6000	10.32	5.09	0.48	9.49	49
25	Sri Ambika (Thugili)	4000	6.88	3.74	0.35	9.23	54
26	Sri Ambika (Pennadam)	7500	12.90	9.76	0.90	9.20	76
27	Sakthi I (Sakthi Nagar)	9000	15.48	15.46	1.45	9.40	100
28	Sakthi II (Sivaganga)	4000	6.88	5.65	0.56	9.86	82
29	Sakthi III (Modakurichi)	4000	6.88	6.35	0.61	9.65	92
30	Rajshree Sugars-I (Theni)	2500	4.30	6.02	0.60	10.02	140
31	Rajshree Sugars II (Mundlampakkam)	5000	8.60	12.74	1.16	9.09	148
32	Rajshree Sugars III (Gingee)	3500	6.02	8.63	0.81	9.33	143

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Sl. No.	Name of Sugar Mills	Tons Capacity per Day	Cane required for 100% capacity	Cane crushed (Lakh tons)	Sugar production (Lakh tons)	Recovery %	Capacity utilisation (%)
33	Dharani Sugars -I (Vasudevanallur)	2500	4.30	4.12	0.38	9.15	96
34	Dharani Sugars II (Polur)	4000	6.88	8.52	0.80	9.35	124
35	Dharani Sugars III (Sankarapuram)	5000	8.60	9.80	0.90	9.23	114
36	Kothari Sugars-I Kattur	2900	4.99	6.37	0.59	9.20	128
37	Kothari Sugars II Sathamangalam	3000	5.16	6.43	0.59	9.20	125
38	Ponni Sugars	2500	4.30	7.13	0.73	10.28	166
39	Bannari Amman Sugars (Sathiyamanganam)	4000	6.88	6.17	0.64	10.44	90
40	Bannari Amman Sugars (Kolunthampattu)	5000	8.60	11.03	1.10	9.93	128
41	Dhanalakshmi Srinivasan Sugars	3500	6.02	2.98	0.26	8.59	50
42	Madras Sugars	5000	8.60	10.04	0.99	9.85	117
43	S.V. Sugars	3500	6.02	3.40	0.30	8.96	56
	TOTAL-(C)	104900	180.43	204.29	19.25	9.42	113
	Grand Total (A+B+C)	147800	254.21	254.55	23.78	9.04	100

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ANNEXURE - III Estimate of Sugarcane Crushing, Sugar Production, Recovery % and Capacity Utilization for 2012-13 Crushing Season

Sl. No	Name of the Mills	Tons Capacity per Day	Cane required for 100% capacity	Estimate of cane for crushing (Lakh tons)	Expected sugar production (Lakh tons)	Exp. Recovery (%)	Capacity Utilization (%)
I Cooperative sector							
1	Ambur	1400	2.40	1.65	0.15	9.27	69
2	Amaravathi	1250	2.15	0.75	0.07	9.00	35
3	Salem	2500	4.30	3.70	0.32	8.75	86
4	Kallakurichi - I	2500	4.30	4.60	0.40	8.65	107
5	Dharmapuri	2000	3.44	2.10	0.23	10.75	61
6	Vellore	2500	4.30	2.60	0.25	9.60	60
7	Tirupattur	1250	2.15	1.35	0.14	10.00	63
8	Chengalrayan	3000	5.16	4.86	0.41	8.40	94
9	Tiruttani	2500	4.30	3.00	0.26	8.50	70
10	NPKRR	3500	6.02	2.10	0.19	9.00	35
11	M.R.K.	2500	4.30	3.00	0.24	8.00	70
12	Cheyvar	2500	4.30	4.10	0.34	8.34	95
13	Subramaniya Siva	2500	4.30	3.40	0.36	10.66	79
14	Kallakurichi II	2500	4.30	4.00	0.36	9.01	93
15	National	2500	4.30	2.50	0.25	9.80	58
16	Madurantakam	2500	4.30	1.25	0.10	8.00	29
	Total-(A)	37400	64.32	44.96	4.05	9.02	70

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Sl. No	Name of the Mills	Tons Capacity per Day	Cane required for 100% capacity	Estimate of cane for crushing (Lakh tons)	Expected sugar production (Lakh tons)	Exp. Recovery (%)	Capacity Utilization (%)
II Public sector							
17	Arignar Anna	2500	4.30	3.80	0.34	9.00	88
18	Perambalur	3000	5.16	3.25	0.29	9.00	63
	Total-(B)	5500	9.46	7.05	0.63	9.00	75
	Total-(A)+(B)	42900	73.78	52.01	4.69	9.02	70
II Private sector							
19	E.I.D.Parry Nellikuppam)	5000	8.60	13.67	1.13	8.30	159
20	E.I.D.Parry (Pettavathalai)	2500	4.30	6.51	0.61	9.30	151
21	E.I.D.Parry (Pugalur)	4000	6.88	7.74	0.73	9.50	113
22	E.I.D.Parry (Aranthang)	3500	6.02	7.31	0.63	8.62	121
23	Thiru Arooran-I (A.Chithur)	3500	6.02	6.00	0.53	8.90	100
24	Thiru Arooran-II (Thirumandangudi)	6000	10.32	6.00	0.56	9.30	58
25	Sri Ambika (Thugill)	4000	6.88	4.80	0.44	9.09	70
26	Sri Ambika (Pennadam)	7500	12.90	9.00	0.83	9.25	70
27	Sakthi-I (Sakthi Nagar)	9000	15.48	9.53	0.90	9.46	62
28	Sakthi-II (Sivaganga)	4000	6.88	4.50	0.44	9.78	65
29	Sakthi III (Modakurichi)	4000	6.88	3.00	0.28	9.20	44
30	Rajshree Sugars-I (Theni)	2500	4.30	3.75	0.37	9.88	87
31	Rajshree Sugars-II (Mundlampakkam)	5000	8.60	8.69	0.78	9.00	101
32	Rajshree Sugars-III (Gingee)	3500	6.02	6.10	0.54	8.90	101

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Sl. No	Name of the Mills	Tons Capacity per Day	Cane required for 100% capacity	Estimate of cane for crushing (Lakh tons)	Expected sugar production (Lakh tons)	Exp. Recovery (%)	Capacity Utilization (%)
33	Dharani Sugars -I (Vasudevandalur)	2500	4.30	3.12	0.28	9.00	73
34	Dharani Sugars -II (Polur)	4000	6.88	7.00	0.63	9.00	102
35	Dharani Sugars -III (Sankarapuram)	5000	8.60	5.24	0.47	9.00	61
36	Kothari Sugars-I Kattur	2900	4.99	6.65	0.60	8.96	133
37	Kothari Sugars-II Sathamangalam	3000	5.16	7.00	0.65	9.22	136
38	Ponni Sugars Bannari Amman Sugars (Sathiyamangalam)	2500	4.30	5.94	0.59	10.00	138
39	Bannari Amman Sugars (Sathiyamangalam)	4000	6.88	5.75	0.58	10.10	84
40	Bannari Amman Sugars (Kolunthampattu)	5000	8.60	9.50	0.95	10.00	110
41	Dhanalakshmi Srinivasan Sugars	3500	6.02	5.48	0.45	8.20	91
42	Madras Sugars	5000	8.60	7.25	0.71	9.75	84
43	S.V. Sugars	3500	6.02	2.41	0.20	8.50	40
	Total-(C)	104900	180.43	161.94	14.89	9.19	98
	Grand Total (A+B+C)	147800	254.21	213.95	19.58	9.15	84

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ANNEXURE – IV
Membership and share capital (Rs. in Lakhs)

Sl. No.	Name of the Mills	Membership			Share capital		
		Members	Government	Total	Members	Government	Total
1	Ambur	31278	1	31279	257.72	10.00	267.72
2	Amaravathi	14885	1	14886	309.69	25.00	334.69
3	Salem	30128	1	30129	429.54	30.32	459.86
4	Kallakurichi-I	40036	1	40037	1699.50	210.81	1910.31
5	National	26936	1	26937	487.96	49.21	537.17
6	Dharmapuri	33462	1	33463	389.02	13.07	402.09
7	Vellore	27758	1	27759	423.43	191.08	614.51
8	Tirupattur	34400	1	34401	205.64	333.45	539.09
9	Chengalrayan	43581	1	43582	2408.99	258.16	2667.15
10	Tiruttani	33889	1	33890	713.92	323.15	1037.07
11	N P K R R	20429	1	20430	733.98	390.35	1124.33
12	M R K	26313	1	26314	919.40	1328.78	2248.18
13	Cheyvar	26593	1	26594	1109.75	745.78	1855.53
14	Subramaniasiva	33694	1	33695	844.69	1174.25	2018.94
15	Kallakurichi-II	22200	1	22201	1232.50	1332.50	2565.00
16	Arignar Anna	13460	1	13461	100.00	2577.10	2677.10
17	Perambalur	20598	1	20599	190.60	3571.75	3762.35
18	Madurantakam	20422	1	20423	298.83	44.72	343.55
	TOTAL	500062	18	500080	12755.16	12609.48	25364.64

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