



INDUSTRIES DEPARTMENT

**POLICY NOTE
2015-2016**

DEMAND No. 27

P. THANGAMANI
Minister for Industries and Transport

©
Government of Tamil Nadu
2015

GOVERNMENT CENTRAL PRESS, CHENNAI - 600 079.

INDUSTRIES DEPARTMENT

POLICY NOTE

2015 – 2016

CONTENTS

Sl. No.	Headings	Pages
	Introduction	1 – 7
1.	State Industries Promotion Corporation of Tamil Nadu Limited	8 – 30
2.	Tamil Nadu Industrial Development Corporation Limited	31 – 50
3.	Tamil Nadu Newsprint and Papers Limited	51 – 59
4.	Tamil Nadu Industrial Investment Corporation Limited	60 – 74
5.	Tamil Nadu Cements Corporation Limited	75 – 89
6.	Tamil Nadu Salt Corporation Limited	90 – 104
7.	Tamil Nadu Industrial Guidance and Export Promotion Bureau	105 – 113
8.	Tamil Nadu Magnesite Limited	114 – 121
9.	Tamil Nadu Industrial Explosives Limited	122 – 138
10.	Tamil Nadu Minerals Limited	139 – 146
11.	Department of Geology and Mining	147 – 156
12.	Department of Sugar	157 – 167

INDUSTRIES DEPARTMENT

POLICY NOTE

2015-2016

INTRODUCTION

Under the able visionary leadership of Honourable Chief Minister, Tamil Nadu had a glorious past, dynamic present and a promising future. At present, Tamil Nadu is a front-runner among Indian states in terms of industrial development. The following summarises the current position of Tamil Nadu:

- Tamil Nadu has emerged as the Second largest economy among Indian States in 2013-14 with a Gross State Domestic Product (GSDP) of **Rs.4,80,618 crore** at constant prices 2004-05 according to the databook published in December 2014 by Union Planning Commission. During 2013-14, Tamil Nadu has registered a

growth rate of 7.29% much higher than the All India Growth rate of 4.74%

- According to the recently published Annual Survey of Industries (ASI) for 2012-13 by Central Statistical Organisation (CSO), Government of India, Tamil Nadu is ranked:
 - First among Indian states with the highest number of factories with **36,869** factories
 - First in terms of the number of workers employed with **16,02,447 workers**
 - First in terms of the total number of persons employed (**19,65,020**)
 - Third in terms of Invested capital- **Rs. 2,92,260.06 crore**

- Third in terms of value of Total Industrial Output – **Rs.6,19,525.33** crore
- According to the report published by the Office of the Development Commissioner (MSME), Government of India, Tamil Nadu is ranked First in terms of the number of new MSME projects registered during 2013-14 with **1,16,393** new units accounting for 32.04% of total new MSME units promoted all over India.
- Tamil Nadu is ranked third next only to Maharashtra and New Delhi Capital Region (NCR including Gurgaon in Haryana and Noida, UP) in terms of cumulative Foreign Direct Investment (FDI) attracted during April 2000 to May 2015 with **Rs.93,725 crore**; whereas, in April 2011, Tamil Nadu was ranked Fourth with a cumulative FDI of **Rs.33,105 crore**; Incremental FDI

- attracted by Tamil Nadu during May 2011 to May 2015 was **Rs.60,620 crore**.
- According to the ASSOCHAM report titled “States Emergence: A Comparative Analysis of Growth and Development” published in February 2015, Tamil Nadu was adjudged as **the best performing State in terms of eight out of nine development parameters** like economy, industrial development, combined infrastructure, power, roads, health, Income & Inequality and Overall Development.
 - According to the Centre for Monitoring Indian Economy (CMIE), the total outstanding cumulative investments in pipeline in Tamil Nadu at the end of June 2015 was **Rs.9,99,943.80 crore** whereas, in March 2011, it was **Rs.7,38,233.88 crore**. During April 2011 to June 2015,

Tamil Nadu had attracted an incremental investment of **Rs.2,61,709.92 crore**.

- According to the Department of industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of India, the cumulative investment attracted by Tamil Nadu through Industrial Entrepreneurs Memorandum (IEM) during the period May 2011 to June 2015 was Rs.1,33,753 crore.
- According to the Federation of Indian Exports organisation (FIEO), total exports from Tamil Nadu during 2013-14 was **Rs.2,15,400 crore**. Tamil Nadu is ranked Third among Indian States. The percentage of exports from Tamil Nadu in the total exports from Indian rose from 9 % in 2010-11 to 11.58 % in 2014 -2015.

Today, Tamil Nadu is in the bandwagon of highly industrialised states. The State occupies a leadership position in manufacture of diversified range of products like Automobiles and parts, textiles, Electronic hardware, Leather products, Light and heavy Engineering & Fabrication, etc., apart from Software development IT enabled Services.

The investment climate in the State is very favourable and the enthusiastic response evinced by both domestic and foreign investors bears ample testimony to this. During May 2011 to till date, the State Government signed 33 MoUs with a cumulative investment of **Rs.31,706 crore** with direct and indirect employment potential to over 1.62 lakh persons. Apart from this, during April 2011 to June 2015, the Guidance Bureau under the Industries Department attracted investments

of **Rs.11,395.81 crore** through single window facilitation in 53 more projects.

Tamil Nadu is set to emerge as the most industrialised State of India. With the objective of catapulting the State to the higher growth trajectory, the State **Government is organising the Global Investors Meet (GIM)-2015 on 9th and 10th of September 2015 at Chennai Trade Centre, Chennai.** The State Government is targeting to attract atleast Rs.1.00 lakh crore investment in Infrastructure, Manufacturing and Services.

The State Government is committed to achieve the goals of Vision Tamil Nadu 2023. Tamil Nadu is set to become one of the most industrialised States and emerge as a new growth model among Indian States.

1. STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED

State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) was established in the year 1971 to promote industrialisation in the State by way of setting up of Industrial Complexes and Parks as well as extending financial assistance. Till the year 2000, in addition to the development of Industrial Parks with infrastructure facilities, SIPCOT was extending financial assistance to the industrial units by way of sanction and disbursement of term loan and fiscal incentives as the State Industrial Development agency. However, since the year 2001, in order to give main thrust for provision of Infrastructure for Industrial Development, the activities of the Corporation were confined to only creation and maintenance of Industrial Complexes/Parks. Due to the positive role played by SIPCOT under the

guidance of State Government, several big Industrial giants such as M/s. Hyundai, Renault & Nissan, Daimler, Saint Gobain, Samsung, DELL, Ashok Leyland, Growth Link, Apollo Tyres, Michelin Tyres, India Yamaha, etc., have set up their units in the SIPCOT Industrial complexes reflecting the sound infrastructure and economy of the State.

SIPCOT has also been the nodal agency for implementing and monitoring the Structured Package of Assistance scheme, under which various incentives are extended by the State Government to mega, super mega and ultra mega industries established with huge investments and with large employment potential.

1.1. PHYSICAL PERFORMANCE

1.1.1. Establishment of Industrial Complexes/Parks/Growth Centres

SIPCOT has so far developed 20 Industrial Complexes/Parks/Growth Centres (including six Special Economic Zones) in 12 Districts across the State with about 31,645 acres of land acquired for the purpose. Out of the total allottable extent of 24,115 acres, so far 19,843 acres have been allotted to 2,275 units, thereby attracting an investment of about **Rs.1,02,283 crore** and creating **direct and indirect employment opportunity for about 6.00 lakh persons.**

1.1.2. Proposed New Industrial Complexes / Parks

For establishing 13 more new Industrial Complexes/Parks during 2015-16, the following Land Acquisition works are in progress :

- i. Oragadam Industrial Growth Centre Expansion-II (Vaipur-Mathur) (616.30 acres)

- ii. Cheyyar Industrial Complex Expansion,
(2300.57 acres)
- iii. Madurai Industrial Park,
(1478.71 acres)
- iv. Thoothukudi Industrial Complex,
Phase-II (1179.86 acres)
- v. Tindivanam Industrial Park,
(720.27 acres)
- vi. Manapparai Industrial Park,
(Trichy District) (1077.05 acres)
- vii. Nemili Industrial Park,
(639.94 acres)
- viii. Panapakkam Industrial Park,
(Vellore District) (1,112.41 acres)
- ix. Hosur Industrial Complex,
Phase-III (834.57 acres) and
- x. Sivagangai Industrial Park,
(1451.28 acres)
- xi. Virudhunagar Industrial Park,
(2540.40 acres)
- xii. Ramanathapuram Industrial,
Park (224.65 acres)
- xiii. Hosur Industrial Complex,
Phase-IV (1882.36 acres)

1.1.3. Land Bank

With a view to keep adequate lands readily available with SIPCOT to facilitate its immediate allotment to the investors, action is being taken to create a Land Bank by acquiring mostly dry and barren lands. The proposals seeking the administrative sanction of the Government for acquisition of about 12,000 acres of land in Vellore, Krishnagiri, Dharmapuri, Kancheepuram, Tiruvallur and Perambalur Districts for this purpose are under process in various stages.

1.2. Industrial Development in Southern Districts

In order to boost the industrial development in the Southern Districts as announced by the Hon'ble Chief Minister on the floor of the Assembly under Rule 110, SIPCOT is taking action for establishing Industrial Parks in nine Southern Districts, Viz. Ramanathapuram,

Sivagangai, Pudukkottai, Dindigul, Theni, Virudhunagar, Thoothukudi, Tirunelveli and Kanniyakumari in a total extent of about 20,650 acres. This will bring an investment of Rs.25,000 Crore with direct employment potential of 1,00,000 persons. While the acquisition of 3,740 acres of land (1451 acres in Sivagangai District and 2540 acres in Virudhunagar District) is in progress, the action towards acquisition of lands in other Districts are in various stages.

1.3. Special Package of Incentives

The Hon'ble Chief Minister on 7.5.2013, announced under Legislative Assembly under Rule 110, the following Special Package of Incentives to encourage the new entrepreneurs willing to set up their industries in the existing as well as in the new Industrial Parks of SIPCOT to be developed in the Southern Districts.

- (i) Allotment of land at 50% subsidized rate the subsidy component will be directly remitted to SIPCOT by Government
- (ii) 100% exemption from stamp duty on Lease Deed registration
- (iii) Capital Subsidy increase from 1.5 to 2 times
- (iv) Creation of all infrastructure facilities required for industries
- (v) Reduction in the minimum investment required for obtaining VAT based incentives from the present level of Rs.50 crore to Rs.10 crore.

By extending the above said incentives, SIPCOT has made allotment of 61.26 acres of land in its Nilakkottai, Pudukkottai, Thoothukudi, Manamadurai and Gangaikondan Industrial Complexes/Growth Centre.

1.4. Special Economic Zones

SIPCOT has also ventured into promoting sector specific Special Economic Zones in its Industrial Complexes/Parks, so as to attract foreign direct investment and promote exports and has so far promoted six sector specific Special Economic Zones.

- Hi - Tech SEZ (541.70 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 Processing SEZ (379.96 acres) in Bargur

Many industrial giants like DELL India, Sanmina, Nokia Siemens, ATC Tyres, WIPRO etc., have established their industries in these

Special Economic Zones with huge investment. So far, 1024.36 acres of land have been allotted to 45 industrial units, through which direct and indirect employment opportunity has been created to about 60,241 persons.

1.5. MoU Units

The Government of Tamil Nadu has so far entered into 80 Memoranda of Understanding with 66 leading industries (including expansion schemes) for establishing their factories in the State with a total investment of Rs.83,302 crore. Of this, 41 industries are located in SIPCOT Industrial Complexes/Parks and 28 of them have already commenced their production. The remaining units are also taking efforts to establish their units. The total investment by the MoU companies is Rs.24,033.20 crore bringing an employment to 53,585 persons.

1.6. Infrastructure works in Industrial Complexes

On 24.7.2014, the Hon'ble Chief Minister announced that in order to attract large investment and create more employment opportunities, SIPCOT will create roads, water facilities, street lights, drainage facilities etc., in its Industrial complexes for an amount of Rs.190.57 crore during 2014-15. Based on the above announcement, the following works are in progress this year.

Integrated infrastructure works at SIPCOT Industrial Park, Thervoykandigai to the value of Rs.51.41 crore have been completed. Works to a value of Rs.24.47 crore at SIPCOT Industrial Park, Pillaipakkam and works to a value of Rs.38.88 crore at Granite Industries SEZ at Bargur are nearing completion. Works to a value of Rs.125.23 crore at Vallam-Vadagal, to a value of Rs.57.57 crore at Bargur, Domestic Tariff

Area, to a value of Rs.8 crore at Nillakottai, to a value of Rs.6.04 crore at Gangaikondan are in progress. Apart from this, works for upgradation of infrastructure facilities in the old Industrial Complexes, for a value of Rs.20.48 crore at Gummidipoondi have been completed. Further, up gradation of Irungattukottai for a value of Rs.20.89 crore, for a value of Rs.4.79 crore at Cuddalore and for a value of Rs.4.67 crore at Manamadurai are in progress. Totally, works to a contract value of Rs.293.00 crore have been awarded. Of this, Rs.123.63 crore has been incurred so far. The balance works are in various stages of progress. Further, it has been proposed to upgrade the infrastructure facilities for a value of Rs.20 crore at Hosur and for a value of Rs.5 crore at Pudukkottai during the year 2015-16.

1.7. Industrial Corridor of Excellence

SIPCOT is facilitating the creation of Industrial Corridors of Excellence (ICE) along the

National Highways and has prepared the study of the following Corridor Development Plans for each Region separately.

- i. Chennai – Bengaluru Industrial Corridor(CBIC): This is a Government of India Project and the Nodal Office is TIDCO.
- ii. Madurai - Thoothukudi & Coimbatore – Salem Industrial Corridor.

This corridor is to be developed for providing environmentally sustainable and rapid industrialization in industrially backward southern districts. This corridor will have excellent roads, rail connectivity, specific investment regions and other industrial and social infrastructure facilities like townships, schools, hospital, etc. This project comprises of node based development of the region.

This project aims for an investment outlay of Rs.40,000 crore for infrastructure development over a period of 9 to 10 years and

it would attract industrial investment of Rs.1,90,000 crore and is expected to generate employment opportunity for 18 lakhs persons.

Government approved the project structure of Madurai - Thoothukudi Industrial Corridor (MTIC). As per this, Tamil Nadu Infrastructure Board (TNIDB) shall be the Apex Coordinating Agency and SIPCOT will act as project Co-ordinating agency. Accordingly, SIPCOT formed a new public limited company in the name of Madurai - Thoothukudi Industrial Corridor Development Corporation Ltd., to implement the project in 17.4.2015 with the authorized share capital of Rs.10.00 crore. Land along the corridor is in various stages of acquisition.

1.8 Apparel Park at Irungattukottai

SIPCOT has established an Apparel Park spread over 123.83 acres in Irungattukottai Industrial Park and allotted the whole extent of

allotable area to 36 units. Apart from the basic infrastructure facilities, special infrastructure facilities viz. hostel for working women, crèche, dispensary, design and training centre, canteen, etc. have been created in this Park.

1.9. Footwear Component Park at Irungattukottai

SIPCOT has promoted Footwear Component Park in an extent of 52.63 acres of land in Irungattukottai Industrial Park. So far, land has been allotted to 13 units, which has created employment opportunity for 750 persons.

1.10. Skill Development Centres

In order to upgrade the skill of the youth, SIPCOT has constructed one Skill Development Centre at Oragadam Industrial Growth Centre, Kancheepuram District and it is functioning. Further, SIPCOT is taking action for providing one Skill Development Centre in

Tirunelveli District at Gangaikondan Industrial Growth Centre and in Tiruvallur District at Thervoykandigai Industrial Complex. The youth trained in these Skill Development Centres would be recommended for employment in the industries located in SIPCOT Industrial Complexes/Parks.

1.11. Construction of Dormitory

In order to provide affordable housing facility for working force, SIPCOT has constructed and provided two dormitories for men and women separately at Sriperumbudur, Kancheepuram District and both are functioning. SIPCOT proposes to construct two dormitory buildings at a cost of Rs.17 crore for men and women workers separately at Nerupperichal village in Tiruppur Taluk and District. The construction of dormitory building to accommodate women workers is in progress.

1.12. Water Supply Arrangements to the new Industrial Parks developed in Sriperumbudur Taluk

Presently, SIPCOT is drawing 5 MGD water from Chembarambakkam lake to supply water to the Industrial Parks at Irungattukottai, Sriperumbudur and Oragadam. Consequent to the expansion of the above Industrial Parks and creation of new Industrial Parks viz. Vallam – Vadagal and Vaipur – Mathur, SIPCOT's requirement of water rose from 5 MGD to 10 MGD. To meet out this requirement, SIPCOT is taking steps through Chennai Metro Water Supply and Sewerage Board (CMWSSB) to establish a 10 MGD TTRO plant at Koyambedu to supply Tertiary Treated Reverse Osmosis water to the industries in the above said Industrial Parks. CMWSSB has informed that the work will be commenced shortly and expected to be completed by end of 2017 and the TTRO water will be available by January 2018.

1.13. Environmental Protection

To dispose of the hazardous industrial waste by suitably converting the waste, a massive scheme viz., Hazardous Waste Treatment, Storage and Disposal Facility (HWTSDF) has been implemented in an extent of 26.91 acres at Export Promotion Industrial Park, Gummidipoondi by Tamilnadu Waste Management Limited. SIPCOT initiated action to create a similar facility in two places, one at SIPCOT Industrial Complex, Thoothukudi and another at SIPCOT Perundurai Growth Centre, to an extent of 20 acres each, through Industrial Waste Management Association (IWMA). Enter Upon Permission has been given to IWMA to conduct the environmental study. IWMA is in the process of obtaining Environment Clearance from Ministry of Environment and Forest, New Delhi for the projects.

1.14. Greenery in Industrial Parks

Considering the importance of protecting the overall environment and revival of the decaying forests, SIPCOT is taking action to plant trees at a distance of 10 mtrs each on both sides of the road in its 20 Industrial Complexes developed in 12 Districts at a total cost of Rs.5 crore and to maintain the same in an excellent manner. An MOU has been signed between SIPCOT and Environment and Forests Department in this regard. Accordingly, 4200 grown saplings have been planted and maintained in Siruseri and Thervoykandigai Industrial Parks.

1.15.Improvement of Ground Water

As Announced by the Hon'ble Chief Minister on 24.7.14 under Legislative Assembly Rule 110, the ground water level in the water sources available in three Industrial Complexes & Parks of SIPCOT will be improved at a cost of

Rs.6 crore by SIPCOT. The existing Oxidation Ponds (42 Nos.) in SIPCOT Industrial Complexes / Parks will be revamped at a cost of Rs.40 lakhs each. Accordingly, SIPCOT Board in its meeting held on on 20.03.2015 approved for revamping of oxidation pond into percolation pond in Thoothukudi, Perundurai, Gummidipoondi, Nilakkottai, Manamadurai and Hosur (Ph.II) Industrial Complexes/Parks to a value of Rs.260.33 lakh. The work is in progress.

1.16. Truck Terminal at Irungattukottai and Vallam-Vadagal Industrial Parks

With a view to avoid traffic congestion, it has been proposed to create a Truck Terminal in SIPCOT Irungattukottai Industrial Park, with an investment of about Rs.10.50 Crore initially with SIPCOT's own funds and simultaneously planned to avail grant under ASIDE scheme for the

project. Creation of Truck Terminal is in progress. Similarly, it has been proposed by SIPCOT to create another such Truck Terminal in an extent of 10 acres to the value of Rs.10 crore at Vallam-Vadagal Industrial Park and the work is in progress. Construction of Truck Terminals is expected to be completed by November 2015.

1.17. Social Development Projects / Corporate Social Responsibility Activities (CSR)

While acquiring lands for its Industrial Complexes, SIPCOT provides additional facilities to benefit the public in nearby areas viz. construction of school buildings, dormitories, construction of public convenience, etc. as a social welfare measure under Corporate Social Responsibility Activities. During 2014-15, SIPCOT has deposited about Rs.4 crore to District Rural Development Agencies,

Kancheepuram, Tiruvallur & Cuddalore to carry-out the above works.

1.18. Industrial Infrastructure Consolidated Fund

For the development of infrastructure facilities at SIPCOT Industrial Complexes/Park, SIPCOT has created "Industrial Infrastructure Consolidated Fund" with Rs.100 crore with Government's contribution of Rs.20 Crore and the SIPCOT contribution of Rs.80 crore. This fund will be utilized for construction of approach roads from National and State Highways to SIPCOT Industrial Complexes/Parks/Growth Centres, construction of small bridges, widening of the existing connectivity roads to the parks, provision of general infrastructure for pollution control, besides creation of new drinking water facilities and identification of other sources of water for industrial needs. SIPCOT's contribution of Rs.80 crore towards this fund was remitted on 28.11.2014.

1.19. Financial Performance

SIPCOT has been showing consistently good financial performance since 2003-2004 and it has also given 25% dividend to the Govt. for the last 6 years and has given 30% dividend of Rs.17.37 Crore to Government during 2013-14. It has earned a net profit (after tax) of Rs.196.47 Crore in the last financial year (2013-14), which is the highest profit from the inception year of 1971.

1.20. 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 on the VAT paid to

Government Investment Promotion Subsidy (refund of VAT paid to Government), Capital Subsidy, ETP/Critical Infrastructure Subsidy, Electricity Tax refund and Training Subsidy are considered based on the Government Orders.

2. TAMILNADU INDUSTRIAL DEVELOPMENT CORPORATION LIMITED

Tamil Nadu Industrial Development Corporation Limited (TIDCO), a Government of Tamil Nadu Enterprise, was established in 1965 to leverage industrial growth in the State by promoting large and medium Industries in association with Private Promoters. TIDCO also facilitates large industrial and infrastructure projects involving large investments and huge employment potential in Tamil Nadu.

TIDCO has promoted several joint ventures for manufacturing products such as iron and steel products, wrist watches, auto parts/ components, textiles, fertilizers, Petroleum and Petrochemicals, pharmaceuticals, floriculture, processed food products and leather products. It has also ventured into setting up of IT/ITES

Parks, Bio-Tech Parks, Special Economic Zones (SEZ), Road Development Projects, Agri Export Zones and Special Investment Regions.

Titan Industries, Mahindra World City, Ascendas IT Park, TIDEL Park, TICEL Biopark I & II, IT Expressway, Chennai Trade Centre, Tamilnadu Petro products, TIDEL Park Coimbatore Limited and L&T Ship building Limited are some of the successful joint ventures of TIDCO.

TIDCO's portfolio of investments valued at Rs.464.23 crore are mostly in the form of equity investments in Joint Venture Companies and investments made in ongoing projects.

TIDCO is developing IT and ITES SEZ at Taramani, a Liquefied Natural Gas (LNG) Import Terminal and related gas pipeline infrastructure at Ennore in Tiruvallur district, a Petroleum Refinery Project in Cuddalore District, Multi Product SEZ at Nanguneri, Krishnagiri and

Perambalur Districts, an Aerospace Park near Chennai and a Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR) Project in Cuddalore and Nagapattinam Districts.

TIDCO is also taking steps for implementing a Plastic Industries Park in Thiruvallur district, a Solar Power Park in Ramanathapuram District, an Integrated Food Irradiation and Services Facility near Chennai, a Deep Water Port & a Gas Based Power Plant with a Floating Storage Regasification Unit in Nagapattinam District, TICEL Bio Park III in Coimbatore District, a Medi Park near Chengalpattu, a National Investment and Manufacturing Zone (NIMZ) in Ramanathapuram District, a Solar Thermal Power Plant with Desalination Facility in Ramanathapuram District and an Electronics Manufacturing Cluster (EMC) in Krishnagiri District.

2.1. TRIL INFOPARK LIMITED

TIDCO is setting up an IT-ITES Special Economic Zone with an Integrated International Convention Centre on 25.27 acres of land located in Taramani through a joint venture with M/s Tata Realty and Infrastructure Limited.

The revised estimated cost of the project is about Rs.4000 crore. Four Towers with built up space of 3.4 million sq.ft.(Phase-I) is operational with marquee tenants like Cognizant, Infosys, Mindtree, HP, TCS,CISCO, WIPRO, Citi Bank, Fidelity, Pershing, Scientific Publishing Services, SITEL, INAUTIX, etc. The construction work for Phase-II of the project viz. additional IT space of 1.2 million sq.ft. Service apartments and Integrated International Convention Centre has been commenced. The entire project is expected to be completed by August 2016. This

project has generated direct and indirect employment for 18,000 persons.

2.2. Aerospace Park

TIDCO is establishing an Aerospace Park Project with the objective to support the development of Aerospace Industry covering design, engineering, manufacturing, servicing and maintenance of aircrafts in Tamilnadu. It has also been planned to set up a Maintenance Repair and Overhaul facility in an area of around 50 acres identified adjoining the existing Chennai Airport. Government has issued orders for allocating around 300 acres of land at Sriperumbudur which is acquired by SIPCOT to develop an exclusive Aerospace component's manufacturing park project. As per the orders of Government, SIPCOT has earmarked around 258 acres in the first phase to develop an Aerospace Park.

As a result of continuous marketing efforts taken by TIDCO, as of now, 12 companies have been allocated land in this park, 3 more companies have submitted their application for land allocation and 15 more companies have expressed their interest to set up their units in this park. Expected Investment through these 30 Aerospace companies is around Rs.3,000 crore and is expected employment potential is around 5,000 persons. TIDCO is targeting 30 to 40 companies to set up their units in this park by mid-2016.

2.3. LNG Import Terminal

The Liquefied Natural Gas (LNG) Import Terminal Project is being implemented by TIDCO and Indian Oil Corporation Limited through a Joint Venture at an estimated investment of Rs.5,170 Crore near Ennore Port in the Kattupalli village of Thiruvallur District.

This LNG Import Terminal will have a capacity to handle 50 lakh MTs per year of LNG and it will distribute about 180 lakhs cubic metres per day of natural gas for power plants, fertilizer units, other industries, domestic use and the transportation sector in Tamil Nadu.

To expedite the implementation of this project TIDCO and Indian Oil Corporation Limited signed a Heads of agreement on 22.03.2012 in the presence of the Hon'ble Chief Minister. The engineering and design work for this project has been completed. The project has received clearance from Ministry of Environment and Forests, Govt. of India. About 130 acres of lands have been earmarked in the Ennore Port area, out of the lands transferred by TIDCO to Ennore Port earlier. A new joint venture company in the name of Indian Oil LNG Pvt. Ltd., has been formed. Indian Oil Corporation Limited has released orders for constructing terminal

facilities in June 2015. The project is expected to be completed in 2018.

2.4. 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 MTs per year. The total investment in this project has been estimated to be about Rs.27,000 crore and upto February 2015 around Rs.8,100 crore has been invested. In the first phase, the implementation of 60 lakhs MTs per year capacity unit will be completed and it is expected to commence its operations in 2017.

2.5. Plastic Industries Park

TIDCO is promoting a Polymer Industries Park and support including a Technology Facilitation Centre at Voyalur village, Ponneri Taluk of Thiruvallur District with an investment of about Rs.294 crore. This Polymer Industries Park will have infrastructure required to accommodate about 84 medium and small scale plastic components manufacturing units. When fully developed, this Park will be able to attract investments of about Rs.2,100 crore and also generate employment to 25,000 persons.

As per the Policy announced by the Department of Chemicals and Petrochemicals, Government of India, this project will be eligible for grant funding by Government of India upto 50% of the project cost not exceeding Rs.40 crore per project. Department of Chemicals and Petrochemicals has granted in principle approval for setting up of the Plastic

Park in Tamil Nadu in 13.04.2012. A Detailed Project Report (DPR) was prepared by TIDCO and forwarded to Government of India for obtaining final approval.

Government has issued approval for forming a Joint Venture by TIDCO and SIPCOT to implement the project. The Joint Venture Agreement between TIDCO and SIPCOT was signed on 20.10.2014. To implement this project, a Joint Venture company viz., Tamilnadu Polymer Industries Park Limited has been formed.

TIDCO has transferred the lands measuring about 306 acres that were earmarked for this project in the Voyalur and Kattupalli villages of Ponneri Taluk to Tamilnadu Polymer Industrial Park Ltd. The project will be implemented in full swing once the final approval of Government of India is obtained.

2.6. Krishnagiri Special Economic Zone Project

A multi-product SEZ in an area of about 2800 acres of lands in Krishnagiri District was proposed to be implemented by GMR Infrastructure Limited (GMR) through the JV company viz., GMR Krishnagiri SEZ Ltd with an estimated investment of about Rs.2300 crore. In this connection, GMR has procured about 1300 acres of patta lands in the name of JV Company on their own and requested for transfer of about 400 acres of Government land to make the proposed project area contiguous. Action is being initiated to transfer the Government lands in favour of TIDCO with a provision to lease these lands to the Joint Venture Company. Subsequent to the revision in the minimum area required for SEZ and changes in the policies of Government of India, GMR has now proposed to develop about 2,101.50 acres

of land as a Special Investment Region (SIR) with a few sector specific SEZ's within the Region, in a phased manner and the Phase-I covering an extent of 639.47 acres, is likely to be developed to cater to Precision Engineering, Auto Components and Electronics.

2.7. CHENNAI – BENGALURU Industrial Corridor (CBIC) Project

The Chennai-Bengaluru Industrial Corridor is one of the several Corridor Development projects that are included in the 'Vision Tamil Nadu 2023'. The Chennai Bengaluru Industrial Corridor will have an area spreading upto 75 kms both sides on National Highway-46 passing through seven districts viz., Krishnagiri, Dharmapuri, Thiruvannamalai, Vellore, Kancheepuram, Thiruvallur and Chennai districts in Tamil Nadu.

Many integrated Special Investment Regions will be developed along the Corridor.

These regions will be self-sustained industrial townships with world-class infrastructure, road and rail connectivity for freight movement to and from Chennai, Ennore and Kattupalli Ports and logistics hubs, reliable power and social infrastructure.

Japan International Cooperation Agency (JICA) is carrying out the Detailed Project Report (DPR) for this project. As a part of this study, JICA has identified three Industrial Nodes in the Chennai Bengaluru Industrial Corridor Region including the Ponneri Industrial Node in Thiruvallur District and submitted the report to Government of India in January 2014. JICA has presented the Ponneri Industrial Node Development Plan to Government of Tamil Nadu and Department of Industrial Policy and Promotion, Government of India in June 2015.

2.8. TICEL Bio Park III, Coimbatore

Hon'ble Chief Minister announced under Rule 110, on 24.07.2014, that TIDCO & TIDEL Park Limited will jointly establish TICEL Biotechnology Park – III in 10 acres of land at Anna University Campus, Coimbatore at a cost of Rs.55 crore (excluding land cost). Subsequently the following actions have been taken:

The Project Report has been prepared. As approved by TICEL Board, TICEL requested existing equity holders on 27.01.2015 for mobilizing equity of Rs.40 crore. TICEL submitted applications to Guidance Bureau on 10.11.2014 for the ASIDE grant of Rs.10 crore and to Government on 03.03.2015 for sanction of subsidy of Rs.5 crore. ASIDE grant of Rs.10 crore has been sanctioned.

As per enter upon permission issued by the Higher Education Department, vide G.O.Ms.No.180, dated 15/10/2014, 10 acres of

land was handed over to TICEL on 20.11.2014 by Anna University. Letter of Award for Environment Impact Assessment Study was issued to M/s.ABC Techno Labs on 21.01.2015. TICEL selected M/s. Taamaesek Engineering Consortium as Engineering Consultant through Open Tender for Biotechnology Park-III. TICEL is taking necessary action to complete the construction work of the project by June 2018.

2.9 MEDI PARK Project

Hon'ble Chief Minister announced under Rule 110 on 24.07.2014, that HLL Life Care Limited, a Government of India Enterprise & TIDCO will jointly implement a Medi Park near Chengalpet, Kancheepuram District at an estimated project cost of Rs.130 crore in about 330 acres of land. This Medi Park is the first of its kind in the country and will have Medical Devices and Equipments Zone, Biotech/Bio

Informatics Zone with incubation facility and a Research & Development Zone. Government has accorded approval to TIDCO for selection of promoter HLL Life Care Limited as a Joint Venture partner to implement this Medi Park project. Government of India's approval is awaited for signing the Joint Venture Agreement to commence project implementation. TIDCO is taking steps for project implementation.

2.10. National Investment and Manufacturing Zone (NIMZ) in Ramanathapuram District

Hon'ble Chief Minister announced under Rule 110 on 24.07.2014 that TIDCO will establish a National Investment and Manufacturing Zone (NIMZ) in Ramanathapuram District under the National Investment Manufacturing Policy notified by Govt. of India in November, 2011.

For developing this zone, the existing road and rail connectivity infrastructure will be augmented and a sea water desalination plant will be set up to meet the water requirement. The total investment required for developing this zone is estimated at about Rs.6,525 crore. For the NIMZ Development, funds support requirement from Central Government is estimated upto Rs.6,375 crore and funds support requirement from State Govt. is estimated at about Rs.150 crore.

The time line for establishing this NIMZ will be about five years from the date of Notification of the National Investment Manufacturing Zone (NIMZ) as per the Guidelines prescribed in the National Manufacturing Policy of Government of India.

State Government has received an In-principle approval from Government of India

for this project in February, 2015. The work on carrying out this Feasibility report is in progress. This study will be completed in September, 2015 and it will be forwarded to Department of Industrial Policy and Promotion, Government of India to grant final approval to implement this project.

2.11. Solar Thermal Power Project with Desalination Project at Valinokkam, Ramanathapuram District.

Hon'ble Chief Minister has announced under Rule 110 on 24.07.2014 that TIDCO will establish a 50 MW Solar Hybrid Thermal Power Plant with 15 MLD desalination plant in Valinokkam Salt Complex in Kadaladi Taluk, Ramanathapuram District. Around 500 acres of land for establishing this project has been identified as part of the salt production complex of Tamil Nadu Salt Corporation.

The estimated investment for this project would be Rs.1500 crore. Out of this, 30% of the project cost needs to be mobilized by TIDCO and the balance 70% of the project cost is structured as debt. TIDCO has approached the German Development Bank KFW, seeking soft loans. The Bank has indicated its willingness to consider this proposal of TIDCO.

TIDCO is in the process of preparing the Detailed Feasibility Report for this project through consultants. The report will be completed in September 2015.

2.12. Establishing Electronic Manufacturing Cluster in Krishnagiri District.

Hon'ble Chief Minister announced under Rule 110 on 24.07.2014 that M/s.GMR Infrastructure Ltd (GIL) and TIDCO will jointly establish a Greenfield Electronic Manufacturing Cluster (EMC) in about 527 acres of land in

Krishnagiri District, at an estimated cost of about Rs.920 crore. The proposed EMC will comprise common facilities viz., centre of excellence, multi skill development centre, manufacturing support centre, international conventions centre and workers' hostel.

In view of the recent changes in the policies of Government of India, GMR has now proposed to develop initially about 100 acres dedicated for Electronics, at an estimated cost of Rs.198.50 crore, within the proposed Special Investment Region (SIR) by GMR and further extents can be developed based on the market requirements. The company proposed to be established within the SIR, can avail all the benefits under the Modified Special Investment Package Schemes of Government of India.

3. 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 using 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 plant capacity has been enhanced to 4,00,000 tonnes per annum in four phases. Simultaneously, the pulp production capacity also has been increased from 250 tons per day to 1180 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), Indian 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. TNPL markets its products throughout the country. TNPL exports about 18% 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 captive power generation capacity of 103.62 MW. Of this, surplus power of 10 MW is exported to the State Grid.

TNPL has set up a 300 MTs per day (tpd) De-inking pulp plant for producing De-inked pulp from waste papers in the year 2013.

TNPL has also set up a 600 MT's per day cement plant to produce cement from the mill solid wastes viz. lime sludge and fly ash generated in the process of manufacture of paper during the year 2013.

3.2. Production and Capacity Utilization during the year 2014-2015

The finished production during the year 2014-15 was 3,73,259 MT's. Capacity utilization is 93.3%.

3.3. Turnover and Profit during the year 2014-2015

The turnover during the year 2014-15 was Rs.2152.37 Crore and the profit before tax was Rs 230.13 crore. The current year profit before tax is higher than the previous year profit before tax of Rs.202.68 crore.

3.4. Dividend

The performance of the TNPL 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 2012-13. The company has increased the dividend to 60% for the year 2013-14. Accordingly, the company has paid the dividend of Rs.14.66 crore to the Government of Tamil Nadu for the year 2013-14.

3.5. Exports

TNPL is the largest exporter of printing and writing paper from India. Export during 2014-15 is about 72815 Mt's.

3.6. Employment

The company provides direct employment to 2,126 employees and indirect employment to about 3,000 persons.

3.7. Projects implemented during 2014-15

1. TNPL has set up a 100 MTs per day Wet Ground Calcium Carbonate (WGCC) Plant within the factory on BOO (Build-Own-Operate) basis.
2. TNPL has set up a 200 MTs per day Precipitated Calcium Carbonate (PCC) Plant within the factory on BOO basis.

3.8. Major projects scheduled for 2015-16

1. TNPL is setting up a state-of-the-art Multi-layer Double Coated Board Plant of a capacity of 2 lakh MT's per annum in the dry lands measuring 874 acres in Mondipatti Revenue Village, Trichy Srirangam and surrounding areas at a capital outlay of Rs.1500 Crore. The project activities are in progress. The project will be completed by December 2015. The plant will facilitate economic development in the area and provide

direct and indirect employment opportunities to about 2000 persons.

This will be the largest capacity and the most modern State-of-the-art plant in the country. On implementation of the scheme, TNPL production capacity will increase by 50%, from 4 lakh MTs per annum to 6 lakh MTs per annum and TNPL will become the third largest paper mill in the country from the current fourth position.

2. TNPL will increase the capacity of the Cement plant from 600 MTs per day to 900 MTs per day at a capital outlay of Rs.30 crore. The project will be completed by December 2015.
3. TNPL is setting up a "Center for Conversion of Paper and Packaging Board (CCPPB)", at Mayanur in Karur

District in 38.40 acres of land at a cost of Rs.40 crore. About 15 Industrial units will be located in the Centre for converting paper and paper packaging board into value added products, such as Notebooks, Textbooks and Small carton boxes. The project will be completed by December 2015. The Centre will provide direct and indirect employment opportunities to about 500 persons in the area.

4. TNPL will upgrade the Information Technology, Enterprises Resource Planning Server at a cost of Rs.12 crore to meet the additional requirements. The project will be completed by December 2015.

3.9. Corporate Social Responsibility (CSR)

The Company undertakes various public welfare measures such as Education, supply of

drinking water, organizing health camps, vocational training programmes, development of infrastructure, etc. As a policy, the company is committed to spend 2% of the profit every year for its CSR activities.

During the year 2014-15, the company spent Rs.3.72 crore for CSR activities.

3.10. Awards

1. Dun and Bradstreet Information Services, Mumbai has selected TNPL as the **Top Indian company under the sector Paper** for Dun & Bradstreet Corporate Awards 2014. This is the third consecutive year that the award is bestowed on TNPL.
2. Tamil Nadu Newsprint and Papers Limited won the National Award for Excellence in Cost Management – 2013 First Award under the category of Private - Manufacturing Organization

(Large). This Award is given by the Institute of Cost Accountants of India (ICAI) for the best costing practices adopted in the company.

3. TNPL has bagged the 'IPMA Paper Mill of the Year Award 2013-2014'. This Award is given by the Indian Paper Manufacturers' Association (IPMA) once in two years for the overall best performance in Industry. TNPL has received this prestigious award on the last occasion for the year 2011-12 also.

4. TAMILNADU INDUSTRIAL INVESTMENT CORPORATION LIMITED

Established in Tamil Nadu in 1949, Tamil Nadu Industrial Investment Corporation Limited (TIIC) has played a catalytic role in the promotion and development of industries in the State. Among the major industries in the State which owe their development to the support given by TIIC are sugar, cement, textile and textile machinery, paper and aluminium. TIIC which is the pioneer among the State Financial Corporations in the country provides financial assistance to Micro / Small / Medium / Large Scale Industrial Units and Service Sector Projects. With vast experience in industrial finance, TIIC has been encouraging first generation entrepreneurs through various financing schemes. More than 90% of TIIC's assistance goes to the Micro, Small & Medium Enterprise (MSME) sector and 40% of

its total assistance goes to first generation entrepreneurs.

TIIC has so far assisted 1,17,817 units with a cumulative sanction of Rs.13,100.64 crore till 31.03.2015. The loan portfolio of the Corporation as on 31.03.2015 stands at Rs.1670.27 crore.

TIIC has been earning profit continuously for 12 years from 2003-04 onwards through the continued support of the State Government and the focused efforts of the employees of the Corporation. TIIC registered a net profit of Rs.25.73 crore during 2014-15. The Government have provided Rs.37.50 crore during 2013-14 for subscribing to the shares of the Neyveli Lignite Corporation Ltd and the same has been converted into share capital during 2014-15. The Market value of 59,70,126 number of shares allotted by Neyveli Lignite Corporation Limited to TIIC at Rs.35.82 crore presently stands at Rs. 41.52 crore.

4.1. Share Capital

The Share Capital of TIIC as on 31.03.2015 is Rs.321.00 crore and the details are as under:

Share holder	Share Capital	
	(Rupees in crore)	Percentage (%)
Government of Tamilnadu	303.52	94.55
Small Industrial Development Bank of India (SIDBI)	17.00	5.30
Government of Pondicherry	0.15	0.05
Insurance Companies, Banks including Co-operative Banks	0.33	0.10
Total	321.00	100.00

4.2. Schemes

Some of the schemes operated by TIIC to fulfill the divergent needs/requirements of the industries are General Term Loan for starting up new units

and expansion of existing units, New Entrepreneur cum Enterprise Development Scheme (NEEDS) formulated by the State Government, Entrepreneurs Development Scheme, Micro/Small Enterprises Fund Scheme, Wind Power Projects, Bill Finance Scheme for TANGEDCO & TANTRANSCO / TWAD/ TNPL Vendors & Contractors, Working Capital Term Loan for manufacturing units/for certain Service Sector units. The Schemes are as follows:-

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 is given by way of Term Loan upto Rs.30 crore for Private/ Public Limited companies and upto Rs.15 crore 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 upto 7 years excluding moratorium period for principal from 6 months to 2 years.

4.2.2. New Entrepreneur cum Enterprise Development Scheme (NEEDS)

TIIC has an active role to play in the implementation of the **NEEDS** scheme formulated by the State Government during 2012-2013 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 subject to a maximum of Rs.25 lakh. Besides a 3% interest subvention is also extended to the entrepreneurs on the loan availed for the project. The special feature of this scheme is promoter contribution required for this scheme is 5% for special category and 10% for others.

4.2.3. Entrepreneurs Development Scheme

As a part of its commitment to social obligations, TIIC has introduced a "Entrepreneur Development Scheme" aimed at promoting a new generation of entrepreneurs especially from economically and socially disadvantaged backgrounds who are unable to offer required collateral security. Under the scheme, loan upto Rs.5 lakh is rendered at a lesser promoter's contribution of 10% without collateral security but backed by one/two guarantors satisfying the norms.

4.2.4. 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%.

4.2.5. 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.

4.2.6. Generator Loan Scheme

The scheme is extended to MSME units for purchase of generator sets. Since 07.12.2012 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 easily accessible to entrepreneurs.

4.2.7. 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 TANGEDCO & TANTRANSCO. The assistance is extended towards cost of land, equipment, electricals, erection and commissioning etc.

4.2.8. 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 crore. The Working Capital Term Loan is generally repayable in 42 monthly instalments.

4.2.9. Bill Financing Scheme

TIIC has entered into MoUs with TANGEDCO, TANTRANSCO and TNPL for offering bill discounting facilities to MSME suppliers/ contractors of

TANGEDCO & TANTRANSCO / TNPL. It is also offering discounting facilities to TWAD MSME contractors against their bills for contract works executed partly / fully for TWAD. The bill discounting facility loan is offered without any collateral security.

4.3. Subsidy

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

4.3.1. Government of Tamil Nadu Subsidies

i) Backward areas subsidy and Specific Thrust Sectors subsidy

Subsidy to the tune of 25% on Plant and Machinery subject to a maximum of Rs.30 lakhs is provided to the industries set up in backward areas / SIPCOT / SIDCO Estates and to select products specified under thrust sectors. It is available for

subsequent expansions also provided there is 25% increase in cost of Plant & Machinery and 25% increase in the average turnover of last 3 years after expansion. The Corporation has disbursed Rs.10.10 crore as State Capital subsidy during the year 2014-15.

ii) Subsidy under NEEDS

Under the NEEDS Scheme, the Corporation has disbursed a sum of Rs.5.48 crore for the year 2014-15 as capital subsidy.

iii) Generator Subsidy

The capacity limit for generator sets has been enhanced from 125 KVA to 320 KVA and the upper limit for subsidy quantum, at 25% of the generator cost, has been enhanced from Rs.1.50 lakh to Rs.5 lakh.

The Corporation has so far (upto 31.03.2015) disbursed Rs.4.65 crore as generator subsidy to 384 units.

iv) 3% interest subvention for loans availed from TIIC by MSMEunits

On account of the Government of Tamilnadu Scheme for 3% interest subvention, loans from TIIC are available to MSMEs with effect from 03.09.2012 at competitive rates in the market. Since 03.09.2012, 3686 units, to whom loans to the tune of Rs.1,585.01 crore were sanctioned, have benefited from this interest subvention scheme as on 31.03.2015. The Government of Tamilnadu has earmarked Rs.25.00 crore for this subsidy each year.

4.3.2. Central Government Subsidies

i) Credit linked Capital Subsidy (CLCS)

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

For the year 2014-15, TIIC has drawn and disbursed Rs.6.20 crore to 103 beneficiaries as subsidy under this scheme.

ii) Textile Upgradation Fund Subsidy (TUF)

a. Interest Capital Subsidy

2% / 5% / 6% interest reimbursement and 10% / 15% capital subsidy is available for specified machinery in textile sector like textile processing/ garment manufacture / spinning with matching capacity/ technical textiles / brand new shuttleless looms, etc. The above is available to MSME and non-MSME units subject to fulfilling conditions stipulated by the Government of India.

b. Margin Money Assistance Subsidy (Capital Subsidy)

8% / 15% / 30% Margin Money Subsidy is available for power loom machinery installed by MSME Enterprises and also textile industry units like spinning, processing, garment manufacture, knitting, weaving, jute sector, carpet

manufacturing etc., subject to fulfilling conditions stipulated by Government of India.

During the current financial year, the Corporation has so far claimed Rs.119.98 lakh in respect of 31 units towards interest and capital subsidy and disbursed subsidies amounting to Rs.44.75 lakh as interest subsidy upto 31.03.2015.

iii) Food processing Industries Subsidy

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

4.4. Insurance

The Corporation has ventured into insurance business over the past 3 years. Through insurance business, it has earned an income of Rs.15.49 lakh in the financial year 2014-15.

4.5. TIIC – Empowering Entrepreneurs

Despite the stiff competition from Commercial Banks, 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 as well as eligible subsidy under one roof.

4.5.1. Achievements

The performance of the Corporation in the various areas of operations viz. sanction, disbursement and collection from May 2011 upto 31.03.2015 is as under

Area of operation	(Rs.in crore)
	11.05.2011 – 31.03.2015
Sanction (including Bill Finance Scheme)	4451.36
Disbursement	3700.50
Collection	4058.97

4.5.2. Performance - Financial Year 2014-15

(Rs. in crore)

Particulars	Achieved during 2013-14	Target 2014-15	Achievement 2014-15
Sanction	1236.87	1500	1478.15
Disbursement	1021.64	1300	1220.18
Collection	1106.91	1266	1320.85

During 2014-15 over 60% of the total financial assistance was given by the Corporation to Engineering / Auto Components, Textiles, Plastics and Food Processing Sectors.

4.5.3. Action Plan for the year 2015-16 and 2016-17

(Rs. in crore)

Year	Sanction	Disbursement	Collection
2015-16	1600	1400	1300
2016-17	1700	1500	1400

5. TAMIL NADU CEMENTS CORPORATION LIMITED

Tamil Nadu Cements Corporation Limited (TANCEM) was incorporated on 11th February 1976 as a fully owned subsidiary of Tamilnadu Industrial Development Corporation Limited (TIDCO). Subsequently, TANCEM became the Government company consequent to the transfer of shares held by TIDCO in favour of Government of Tamilnadu with effect from the year 1994.

5.1. TANCEM Units

1. Ariyalur Cement Unit, Ariyalur, Ariyalur District.
2. Alangulam Cement Unit, Alangulam, Virudhunagar District.
3. Tamil Nadu Asbestos (Sheet) Unit, Alangulam, Virudhunagar District.
4. Stoneware Pipe Factory, Vridhachalam, Cuddalore District.

TANCEM is producing and selling cement and allied products through the above plants.

The Annual turnover of TANCEM is about Rs.250 crore. TANCEM has been using limestone from various mines on behalf of the Government of Tamil Nadu for the production of Cement. The Cement is being supplied to meet the requirements 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 employment opportunities in backward districts like Virudhunagar and Ariyalur.

Apart from this, TANCEM plays a vital role in the procurement of cement from private manufacturers through tender for the Rural

Development and Panchayat Raj Departments and coordinating for prompt supply of Cement to various Blocks of District Rural Development Agency for the implementation of rural development schemes.

In order to benefit the lower and middle income group people and to mitigate their sufferings, TANCEM has successfully implemented Amma Cement Supply Scheme and coordinating for the continuous supply of cement through RD godowns and TNCSC godowns.

5.1.1. Ariyalur Cement Unit

Ariyalur Cement Unit was started in 1979 with an installed capacity of 5 lakh MT per annum with Dry process technology. There are two mines for this plant namely Kallankurichi and Anandavadi having 1952 Hectares. Presently 234 permanent employees and 450 Contract employees are working in the Ariyalur Cement Unit.

5.1.2. Alangulam Cement Unit

TIDCO installed a cement plant in 1969 at Alangulam with a capacity of 4 lakh MT per annum by adopting the Wet process technology. When TANCEM was established in 1976, it took over the Alangulam Cement plant from TIDCO. Its present capacity is 2 lakh MT per annum due to stoppage of one kiln since 2003. Due to the adoption of Wet process technology, the cost of production is increased by about 30% to 40% of the Dry Process and the unit is incurring losses for the past several years from the inception. Presently 170 permanent employees and 140 contract employees are working in the Alangulam Cement Unit.

5.1.3. Tamil Nadu Asbestos (Sheet), Alangulam

TANCEM has set up an Asbestos sheet unit at Alangulam during 1981. Its present capacity is

28,800 MT. The unit's main raw materials are Asbestos fibre and cement. 65 employees are working in the plant.

5.1.4. Stoneware Pipe Factory, Vridhachalam

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 MT per annum. Presently 11 employees are working in the plant.

5.2. Marketing Activities of Tamil Nadu Cements Corporation Limited

5.2.1. Amma Cement Supply Scheme

In order to mitigate the suffering of the lower and middle income group people while constructing their own house, the Amma Cement Supply Scheme was started on 05.01.2015 at Srirangam, Trichy District. Under the scheme,

Cement is sold Rs.190/- per bag. The Scheme is extended all over the state at 470 godowns.

The specialty of Scheme is to provide cement to the General public at the concessional rate of Rs.190/- per bag.

As per the Scheme, General Public who undertake repair and renovate their House, will get minimum of 10 and maximum of 100 Cement bags. Persons who are constructing new houses within 1500 sq. ft. will get maximum number of 750 cement bags.

Tamil Nadu Cements Corporation Limited is designated as the "Nodal Agency". Tamil Nadu Civil Supplies Corporation and Rural Development and Panchayat Raj Department act as the implementing agencies in 220 and 250 godowns respectively. The Scheme has had overwhelming support from the General Public.

As on 29.08.2015, around 7,02,152 MT (1,40,43,040 bags) of Cement has been procured and 6,74,936 MT(1,34,98,720 bags) of Cement have been sold under this scheme.

5.2.2. Cement supplied by TANCEM to DRDA and cement procured from Private Cement Manufacturers and supplied to DRDA

The annual cement requirement to meet the Rural Development Programmes of the Government being carried out by DRDA is around 12 lakh MT. TANCEM is supplying around 4 lakh MT of cement per annum at the rate fixed by the Government and procures cement from Private Cement Manufacturers to meet the balance requirement.

The cement supplied from the year 2011-12 to 2015-16 (upto July 2015) to DRDA is as follows:

(in MT's)

Year	Total
2011-12	6,22,848
2012-13	16,47,474
2013-14	11,87,821
2014-15	9,38,364
2015 (Upto July)	3,21,550

5.2.3. Direct sale of cement to Government Departments and to the Government Department contractors at lesser rate

TANCEM is supplying cement to the Government Departments at the rate fixed by the Government annually and also supplying at PWD schedule of rates to their contractors who undertake projects on Turn key basis.

(in MT's)

Year	TANCEM supply
2011-12	62,128
2012-13	51,910
2013-14	25,601
2014-15	18,947
2015 (Upto July)	5,534

5.2.4. Sale of cement by TANCEM in the open market

To benefit the general public in the State, TANCEM is selling cement produced in its units at Ariyalur and Alangulam at a lesser price in the open market through stockists. These measures act as check and balance to contain the cement price.

(in MT's)

Year	TANCEM supply
2011-12	22,381
2012-13	1,12,464
2013-14	1,80,499
2014-15	2,47,303
2015 (Upto July)	1,30,709

It has been proposed to further increase the sale of TANCEM cement in the open market at an affordable rate to the general public to control the Cement price.

5.3. Achievements

5.3.1. Green Development under Afforestation Scheme

To contain the pollution level by cement production, Eucalyptus saplings have been planted at the mining areas of Ariyalur and Alangulam Cement Unit under afforestation programme as detailed below :

Ariyalur Cement Unit

A total of 2,13,040 saplings have been planted at Kallankurichi Limestone Mines in 133.15 Hectares by entering into an agreement with the Tamil Nadu Forest Department. Similarly a total of 2,61,220 saplings have been planted at Kallankurihi and Anandavadi Limestone Mines in 105.75 Hectares by entering into an Agreement with M/s.TNPL.

Alangulam Cement Unit

In the Alangulam Cement Unit, the Eucalyptus Plantation has been carried out in the mining area by TNPL and totally 11,35,000 Eucalyptus saplings have been planted in the area of 1,135 acres. TANCEM would expand the afforestation scheme in a major way in due course.

5.4. Welfare Measures extended to Employees

TANCEM is providing uniform, safety shoe, rain coat, sun glasses & air muff, Towel, Jaggery, coconut oil and soap for all the employees at Units. TANCEM is also providing quarters, purified drinking water, full-fledged medical facilities with dispensary for all the employees and has established three Matriculation Schools with all infrastructure facilities for better education to the employees' children.

5.5. Action plan for the year 2015-16 and 2016-17

5.5.1. Expansion of Ariyalur Cement Unit

Government Order has been issued on 14.08.2014 for the expansion of Ariyalur Cement Unit. From 5 lakh MT per year to 15 lakh MT per year at a cost of Rs.542.52 crore. Tender has been floated and Work Order will be issued in the month of September 2015. The project work will be completed within 20 to 22 months from the date of placement of work order.

5.5.2. Modernisation of Alangulam Cement Plant

Government has announced in the Budget Session for the year 2011-12 that the Alangulam Cement Plant will be modernized at a cost of Rs.165 crore. Various steps have been taken to modernize the Plant. As part of the above, a revised estimate on the cost of mines

development is being prepared. It is expected that the project cost will be increased by 20% additionally. The modernization works will be started after analyzing the details of lime stone resources available, the cost of working the mines, the financial position of TANCEM and related factors.

5.5.3. Environmental Management

To comply with the Central Pollution Control Board Norms / Tamil Nadu Pollution Control Board Norms, work order has been issued to M/s. Alstom India at a cost of Rs.16.11 crore for the installation of 2 numbers of Reverse Air Bag House (RABH) for Kiln-I & Kiln-II at Ariyalur Cement Unit. The machineries have reached the plant site and the entire work is expected to be completed by October 2015.

5.5.4. Manpower study and recruitment

Since the expansion and modernisation works have been already started, TANCEM propose to form a committee for the recruitment

of officers and workers in the areas of Technical, Process, Materials/Stores, Production and Maintenance and mines department to meet out the shortage of man power according to the necessity.

5.5.5. Marketing Activities Policy

TANCEM propose to expand the marketing area and increase the number of stockists for the sale of cement in the open market. Hence it is decided to appoint new stockists and adopt advertisement techniques for increasing the sale of cement.

The total cement demand in Tamilnadu is 209 lakh MT approximately. Private cement Manufacturers of Tamil Nadu supplied 145.60 lakh MT (69.65%), Other state cement manufacturers supplied 55.80 lakh MT (26.53%), TANCEM supplied 6 lakh MT (3.02%) and TNPL supplied 1.60 lakh MT (0.80%) to meet out the Tamilnadu cement demand.

During the financial year 2014-15, action has been initiated to develop TANCEM to become a leading corporation by improving the production and productivity by giving emphasis to quality.

6. TAMIL NADU SALT CORPORATION LIMITED

Tamil Nadu is the second largest salt producing State next only to Gujarat. In India around 230 lakh tonnes of salt is produced per annum. Tamil Nadu has contributed around 11% i.e. 26 lakhs tonnes of the total salt production of India. Tamil Nadu Salt Corporation is the only State Government owned company manufacturing salt and salt based products in India.

The Corporation was established in 1974 by allotting 5520 acres of land by Government, on long lease basis, at Valinokkam village, in Kadaladi Taluk, Ramanathapuram District for salt production with a view to develop the backward area by providing employment opportunities to the local people and to avoid migration of the local people to other districts in search of jobs. The Corporation is providing

employment opportunity to about 1350 workers belonging to the surrounding 15 villages of Valinokkam.

6.1 Mission

To give impetus to develop the backward region of Ramanathapuram District, for creating and providing employment opportunities for the weaker segments of the society, for upliftment of the socio economic condition of the region, to exploit the potential resources of the sea for the production of salt, salt based by products and Marine chemicals, to control and eliminate the commonly prevailing micronutrient deficiencies like Iron and Iodine disorders among the school going children, women and other general population by the supplementation of Iron and Iodine through Iodised and Double Fortified salt.

6.2. Activities

6.2.1. Launching of “Amma” Salt in the open market

Hon'ble Chief Minister launched the sale of AMMA Brand nutritious Double Fortified Salt (Iron and Iodine), Low sodium salt and refined free flow Iodised salt for the open market on 11th June 2014. These were launched in the interest of the common people to provide quality salt at affordable prices i.e. Double Fortified Salt at Rs.14 per kg, Low sodium salt at Rs.21 per kg and Refined Free Flow Iodised salt at Rs.10 per kg., whereas in the open market, the private brand Double Fortified salt is sold at Rs.21 per kg, Low sodium salt at Rs. 25 per kg and Refined Free Flow Iodised salt sold in the range from Rs.14 to Rs.21 per kg.

TNSC has appointed District wise Wholesale Distributors throughout Tamil Nadu for distribution of Amma salt and there is an

overwhelming response from the public for the above sale of three varieties of salt. As on date 29.08.2015, around 6,760 MT's of Amma Salt were sold in the open market.

Subsequent to the overwhelming response and request from the public TNSC also introduced Crystal Iodised salt under the Brand name Amma salt from November 2014 at an affordable price of Rs. 8 per kg.

For the benefit of the public, the above three varieties of AMMA SALT being distributed in all the Fair price Shops from February 2015.

TNSC is planning to launch the sale of AMMA salt all over India. The sale of Amma Salt will be launched in Delhi, Gujarat, Rajasthan, Maharashtra, Punjab, Karnataka, Kerala, Andhra Pradesh, Haryana, and Uttar Pradesh shortly. TNSC is planning to distribute AMMA salt in bulk packings 5kg and 25 kg packings to

benefit the bulk users like hospitals, hotels and hostels.

6.2.2. Production of Industrial Grade Salt

TNSC is manufacturing around 1.75 lakh tonnes 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 the neighboring states. Further, there is tremendous market potential for our Industrial Grade salt.

6.2.3. Additional area development

TNSC took development of additional 2320 acre land in Mariyur Valinokkam salt complex and production commenced from the year 2014-15. With this development, TNSC will be utilizing 5500 acres for the production of the salt and the production level will go up to 3 lakh MT's in the coming years.

6.2.4. Installation of Salt Washery

TNSC is installing a salt washery with a capacity to wash 100 MT's tonnes of salt per hour. With the installation of the this washery, TNSC will improve the quality of the salt remarkably and explore the possibilities of Export of salt the foreign countries.

6.2.5. Installation of Salt Refinery

Tamil Nadu Salt Corporation, with a view to produce value added products like refined free flow salt and Refined Free Flow iodised salt is installing a Salt refinery at an estimated cost of Rs. 563 lakh. In this refinery 40,000 tonnes of Refined Free Flow iodised salt will be produced per annum. After completing the tender process, work of installation of Salt refinery was awarded to M/s.Shriraam Engineering, Thoothukudi. This factory will be established by the end of Financial Year 2015-16.

6.2.6. Fortified Salts

TNSC had initially produced only Industrial Grade Salt. Later the Corporation expanded its activity over a period of time to produce Iodised salt, Double Fortified (iron and iodine) Salt (Crystal Form) and Double Fortified (iron and iodine) Salt (Free Flow Form). TNSC is pioneer in the production of Iron Fortified salt by installing required plant and machinery in 1987 for the production of Iron Fortified salt. At present TNSC supplying Fortified salt to the States of Tamil Nadu , Kerala and Karnataka under Public Distribution System / Mid Day Meal schemes for the benefit of the common public and school going children.

6.2.7. Iron Fortified Salt

Tamil Nadu Salt Corporation have been coordinating with Health Department, Government of Tamil Nadu for the past 22 years in implementing Health Programmes like

eliminating Iron deficiency disorders among school going children.

Since 1991, TNSC has been producing Double Fortified Salt as per the formula developed by National Institute of Nutrition, Hyderabad and supplying Double Fortified salt to Noon meal Programme of Government of Tamil Nadu.

6.2.8. Iodised Salt

TNSC obtained Government orders for the distribution of Iodised Salt as an essential commodity through Public Distribution System for the benefit of the common public. Accordingly, since 1998, TNSC has been supplying Iodised Salt to every nook and corner of the State including hilly stations. By distributing Iodised Salt through Public Distribution System at an affordable price, it has made a tremendous change in the percentage of

consumption of Iodised Salt among the population of below the poverty line people.

The following diseases can be controlled by using Iodised Salt.

- a. Goitre
- b. Mental retardation
- c. Learning Disability
- d. Impaired mental function
- e. Retarded physical development
- f. Abortion
- g. Stillbirth
- h. Deaf and mutism
- i. Hypothyroidism

The sale level of Iodised salt through Public Distribution System has improved multifold to an extent of 30,000 MT per annum.

6.2.9. Double Fortified Salt

TNSC is the pioneer in the production of Double Fortified salt (Iron and Iodine). TNSC is

producing Double Fortified Salt by the following two methods viz.,

1. In the production of Double Fortified Salt as per the Formula developed by National Institute of Nutrition, Hyderabad, Food Grade Ferrous Sulphate is used as a nutritive agent
2. In the production of Double Fortified Salt as per the Formula developed by Micronutrient Initiative, Canada, Encapsulated Ferrous Fumerate is used as nutritive agent.

The Double Fortified Salt is being supplied to the Mid Day Meal scheme of Tamil Nadu and Karnataka. An average, 2,500 MT of Double Fortified Salt is being supplied to Tamil Nadu and Karnataka for the above said scheme. Tamil Nadu Salt Corporation has taken active

participation in the "Universal Salt Iodisation programme "

6.2.10. Low Sodium Salt

TNSC has starting producing Low Sodium salt for the benefit of the heart patients and the same was launched in the open market by Hon'ble Chief Minister on 11.06.2014.

6.2.11. Production of Bromine

TNSC has entered into a Memorandum of understanding (MOU) with M/s South India Bromine and Allied Chemicals (SIBAC), Tuticorin for the production of bromine by supplying the waste water (Bittern) let out after salt production. Bromine is a bye product of salt. Previously, TNSC used to let out the waste water (bittern) to sea itself. Now, as per the arrangement, TNSC is earning income of Rs.8,00,000 to Rs.10,00,000 per annum.

6.3. Major Achievements

1. For the first time in India, TNSC has been producing and supplying Iron Fortified Salt from 1991.
2. Double Fortified salt was introduced in the year 2001
3. TNSC has been distributing crystal iodised salt at the selling price of Rs.3.50 per kg, which is the cheapest price in India through the Public Distribution System.
4. TNSC achieved its highest production of 1,78,675 tonnes of Industrial grade salt during the year 2012.
5. Annual Salt production has been increased from 1.75 lakh MT's to 3 lakh MT's by commencing the production of Salt in the additional developed area of 2200 acres of land.
6. Launched **AMMA** salt in four varieties ie., Refined Free Flow Iodised salt, Double Fortified salt, Low Sodium salt

and Crystal Iodised salt in the open market at affordable prices.

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 Public Distribution System network confirming to the ISI standards IS 7224:2006. The Corporation has obtained a certificate from Food Safety Standard Association of India (FSSAI) in 2012 for the quality production of Iodised salt.

6.5. New Laboratory

With the help of GAIN (Global Alliance for Improved Nutrition) TNSC has recently installed two modern laboratories at a cost of Rs.25 lakhs in order to improve the quality. At the laboratory set up at Corporation Office, the finished products of TNSC and the raw material

to be required for the production of Fortified Salt are being tested.

6.6. Augmentation of production of crystal Iodised Salt

For augmentation of production of crystal iodized salt, International Welfare Organization M/s Global Alliance for Improved Nutrition(GAIN) has provided plant and machinery worth Rs. 90 lakhs. With these additional machineries, TNSC is producing around 6000 tonnes of Iodised salt per month.

6.7. Labour Welfare Activities

TNSC has extended various welfare measures like providing RO water, Tea & Biscuits at their work spot to the workers. Besides, safety items like Sun goggles, gumboots, etc. are provided to the workers every year to protect them from the hot sun.

TNSC has extended all statutory benefits to its salt workers. TNSC is conducting periodical medical health camps to take care of the health condition of the salt workers.

Five numbers of manually operated Reverse Osmosis Water Plants were installed at MVSC Valinokkam for providing good quality of drinking water to the salt workers at a cost of Rs.35 lakhs.

6.8. Corporate Social Responsibility

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 has provided tables and benches to the schools which are situated in the villages in and around of the factory in Valinokkam. During the year 2014-15, TNSC paid a sum of Rs 2 lakhs for conducting a Book Fair at Ramanathapuram.

7. Tamil Nadu Industrial Guidance and Export Promotion Bureau

Guidance Bureau (Tamil Nadu Industrial Guidance and Export Promotion Bureau) was constituted 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 2014-15, Guidance Bureau successfully attracted and handled **14** major investment proposals with a total investment of around Rs. 6498.80 crore. Out of this, Rs.4137.50 crore is proposed to be invested in MoU projects, viz., MRF and Yamaha. Deducting this, the net investment handled by Guidance Bureau during 2014-15 through Single

window facilitation is Rs.**2361.30** crore in 12 projects.

Guidance took considerable efforts to attract these investment proposals. Current status of each of these projects is also summarized as under:-

Sl. No	Name of the Project	Products	Investment proposed (Rs. in crore)	Employment Proposed (Direct and Indirect)	Location
1	MRF Tyres – Expansion	Tyres	4000	1500	Perambalur
2	JK Tyres Expansion	Tyres	1401.60	500 (Additional)	Sriperumpudur
3	Takasago International India Pvt Ltd	Flavours and fragrances	60.54	60	Ascendas Industrial Township
4	Force Motors Limited	Engine Assembly for BMW	45.08	60	Mahindra World City
5	M/s. Toyota Boshoku Automotive India Ltd	Steel Press parts	173.42	216	Krishnagiri Hosur Taluk – Land from GMR
6	Brittannia Industries Limited	Bakery Products	71.04	1136	SIPCOT Perundurai

7	Sandhar Technologies	Wheel Assembly	10.28	60	SIPCOT Oragadam
8	Suprajit Engineering Limited	Automotive cables for Yamaha	24.60	245	SIPCOT Vallam Vadagal
9	M/s. Metal Powder Company Limited	Aerated autoclaved concrete blocks	26.38	120	Thervoykan digai
10	M/s. India Yamaha Motor Private Limited	R & D Centre & spare parts godown	137.50	500	SIPCOT Vallam Vadagal
11	Visteon Interior Systems India Private Limited	Automobile components	120.22	608	SIPCOT Vallam Vadagal
12	Kone Elevator India Private Limited	Elevator components	375.74	663	SIPCOT Pillaipakkam
13	M/s. Delta Pharma	Pharma products	42.00	150	Uthiramerur
14	M/s. Sri Rama Vilas Service Limited	Warehousing	10.40	30	Madhavaram
		Total	6498.80	5848	

During the year 2015-16, i.e., 1st April 2015 to June 2015, Guidance Bureau has attracted 9 projects with an investment of **Rs.2088.09 crore** through Single window facilitation.

Sl No	Name of the Project	Products	Investment proposed (Rs. in crore)	Employment Proposed (Direct and Indirect)	Location
1	International Bakery Products Limited	Bakery Products	32.98	150	SIPCOT Oragadam Industrial Park
2	Zoho Corporation	IT / ITES	800	5700	Maraimalai nagar
3	ITC Limited	Food products	60	850	Thiruvotriyur
4	ITC Limited	Food products	716.10	1948	Vadugappatti, Velur Villages, Pudukottai Dist
5	Cheyyar SEZ - Expansion	Footwear	100	5000	SIPCOT Cheyyar SEZ
6	M/s. Maruchan Ajinomoto India Pvt Ltd	Ramen Noodles	100	50	One Hub Industrial Park
7	M/s. Manna Foods Private Limited	Bakery Products	34.6	450	Thanichiyam, Vadipatti Villages, Madurai

8	M/s. Heat and Control (South Asia) Pvt Ltd	Food Processing, Packaging and Distribution equipment	64.41	70	Mahindra World City
9	Gulf Oil	Petroleum products	180	300	Ennore
	Total		2088.09	14518	

7.1. Global Investors Meet (GIM)

Government of Tamil Nadu has proposed to organise a Global Investors' Meet – 2015 and the event is planned to be held during 9th – 10th September 2015 in Chennai. Guidance Bureau is nominated as the GIM Secretariat for preparing the Budget Estimate for the components / elements / programmes involved in the conduct of Global Investors Meet, submit proposals in consultation with the respective task specific committees constituted herein through the core committee to the Government for approval.

A Curtain Raiser function was also organized on 14th February 2015. Guidance Bureau have duly carried out the following works:-

1. Selection of Knowledge Partner
2. Selection of Creative, Design and Media Partner
3. Organized road shows in France, UK, Japan, South Korea, Malaysia, Singapore, Taiwan, etc.
4. Local road shows organized in Ahmedabad, Mumbai, Kolkata, Delhi, Bangalore, Hyderabad, Pune, etc.
5. Printing of Brochures, Flyers, Sector Profiles, etc.

7.2. Economic Co-operation MoU

7.2.1. MoU with Pays De La Loire and Center Region, France

With the objective of attracting investments from France, Guidance Bureau under Industries Department signed an MoU with

Regional Council of the Pays de la Loire, France and Regional Council of the Center Region, France on 19th January 2015.

7.2.2. MoU with Kanagawa Prefecture

With the objective of attracting investments from Japan, Guidance Bureau under Industries Department signed an MoU with Kanagawa Prefecture Government on 13th November 2014.

These MoUs will facilitate and help Government to attract French Companies and Japanese Companies to invest in our State.

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

Guidance Bureau – Member Secretary of the State Level Export Promotion Committee (SLEPC) on ASIDE, compiled the agenda and placed it before the Fifteenth meeting of the

SLEPC on 9th April 2015. SLEPC sanctioned financial assistance to the tune of **Rs.56.50 crore for 6 project proposals.**

7.4. Joint Working Committee meetings

The Japanese Consulate in Chennai had proposed that a Joint Working Committee 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 (MIB.2) Department, dated 9th January 2012 had constituted a Joint Working Committee. Guidance Bureau has been designated as the Member-Secretary to this Committee. So far, three meetings of this JWC have also been held. The last meeting (5th Meeting) of JWC was held on 21st April 2015.

7.5. Ennore Port Monitoring Committee meetings

During the year 2013-14, Industries Department has convened several meetings of Ennore Port Monitoring Committee for monitoring the progress of connectivity infrastructure improvement works from Toshiba site to Ennore Port. The last meeting of this Committee was held on 5th February 2015. All the works relating to improvement of Ennore Port Connectivity have been completed.

8. TAMIL NADU MAGNESITE LIMITED

Magnesite Mineral Ore is an essential raw material for manufacturing Refractory Materials used by the Steel Industries. The Magnesite (Magnesium Carbonate ($MgCO_3$) mineral is a precious ore available in limited places in India. 70 percentage of Magnesite Ore Reserve is available in Tamil Nadu, particularly in Salem District. It is also found in other states like Uttarakand, Karnataka and Jammu & Kashmir. Magnesite of Salem Region is relatively low in Calcium Oxide. Salem Magnesite Reserves are famous worldwide for its Cryptocrystalline Structure, which is best suited for manufacturing Refractory Bricks.

Government of Tamil Nadu, formed TAMIL NADU MAGNESITE LIMITED popularly known as TANMAG for preservation and proper exploitation of such Magnesite, in January 1979.

8.1. Objectives

- Sustainable Exploitation of the mineral wealth towards the industrial growth.
- Promoting Socio-economic development of the Region.
- Protecting the Environment and preserving the ecology of the region.
- Optimal utilization of mineral by broad basing product range.

8.2. Mining Lease

TANMAG Mines are situated in Salem District at the bottom of Shervaroy's Hills, Shervaroy's South Forest range at Kurumbapatti Reserve Forest area over an Extent of 96.34 hectares (238 acres). TANMAG is operating the Mines under Open Cast Mines system.

8.3. Products

At present, the company has its own captive mine and two factories to produce DBM

and LCM of various grades. It is an ISO 9001-2008 (Quality Management System) and ISO 14001-2004 (Environment Management System) Certified Company. Dead Burnt Magnesite (DBM), Lightly Calcined Magnesite (LCM) are the major products with various grades. While mining Magnesite, Dunite is obtained as a Secondary Mineral.

8.4. Mining Activities

TANMAG operates the mines in open cast with semi-mechanized system and employs well qualified and experienced mining personnel. It exploits the mineral resource through scientific and eco friendly mining techniques. The annual target of production of Magnesite is 1,20,000 Metric Tonnes.

8.5. Rotary Kiln Division (RKD)

Dead Burnt Magnesite (DBM) is manufactured in its modern Rotary Kiln with an

installed capacity of 30,000 tonnes per annum. The raw Magnesite is sintered at a high temperature of 1750 degree Celsius using Furnace oil as fuel to produce Dead Burnt Magnesite. This is used for manufacturing Refractory Bricks and for Monolithics required for Steel Industries.

8.6. Shaft Kiln Division (SKD)

TANMAG manufactures Lightly Calcined Magnesite, also called as Caustic Calcined Magnesite in its Shaft Kiln Division having 5 numbers of vertical Shaft Kilns. The installed capacity is 20,000 MTs per annum. Raw Magnesite is Calcined in Shaft Kiln using Furnace Oil as fuel at a temperature in the range of 1000 to 1100 degrees Celsius to produce chemically reactive grade which is highly reactive in nature.

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.

8.7. Quality Control

TANMAG has full-fledged and well equipped laboratory with sophisticated instruments and apparatus. The samples of mined ore and finished products are tested in the laboratory. TANMAG maintains consistent quality and consumer satisfaction.

8.8. Achievements 2014-15

- For the first time in the history of TANMAG, the turnover has crossed Rs.100 crore during the year 2014-15.
- In the year 2014-15 TANMAG has earned profit (before tax) of Rs.24.22 crore which is highest since inception of the company.
- The Rotary kiln, which manufactures Dead Burnt Magnesite has run for 109 days continuously this year, which is the second longest campaign in the history of TANMAG.

- TANMAG has produced 28,500 MT of Dead Burnt Magnesite during this year, which is higher as compared to production in the previous year (23,005 MT). As a result, the turnover has increased by Rs.13 crore.
- The net worth of TANMAG has turned positive for the first time after 15 years and accumulated losses have been completely wiped off.

8.9. Action Plan for the year 2015-16 & 2016-17

(Qty in MT.)

Particulars	2015-2016		2016-2017	
	Production	Sales	Production	Sales
Raw Magnesite	1,20,000	1,20,000	1,20,000	1,20,000
Dead Burmt Magnesite	30,000	30,000	30,000	30,000
Lightly Calcined Magnesite	20,000	20,000	20,000	20,000

8.10. Prizes & Awards

Tamil Nadu Magnesite Limited has been awarded the following Prizes for the year 2014-15 issued by the Tamilnadu & Kerala Mines Safety Association during Mines Safety Week celebrations :

- a) First prize for Personal Protective Equipments
- b) Second prize for Vocational Training & Training Centre
- c) Second prize for Ore-handling and workshop facilities
- d) Second prize for Blasting Storage and use of Explosives

Tamil Nadu Magnesite Limited has also received the following prizes during the Mines Environment and Mineral Conservation Week for the year 2014-15 from Mines Environment and Mineral Conservation Association.

- a) First prize for Waste Mineral Dump Management.
- b) Second prize for Management of Sub-grade Mineral.
- c) Third prize for Overall Performance.

9. Tamil Nadu Industrial Explosives Limited

Tamil Nadu Industrial Explosives Limited was established by Government of Tamil Nadu during the year 1983 and commenced commercial production during 1986. The share capital was invested by Government of Tamil Nadu, Financial Institutions and by general public. The present share capital of the Tamil Nadu Industrial Explosives Limited is Rs.22.14 crore (82.14%) from the Government of Tamil Nadu, Rs.1.99 crore (7.42%) from IDBI & IFCI, Rs.2.66 crore (9.86%) from general public Rs.2.87 lakh (0.11%) from employees and Rs.12.90 lakh (0.47%) from NRI. The company is located on the small hills of Christianpet village near Katpadi in 700 acres forest land with various infrastructure for production of a variety of explosives and its accessories. Initially, the company produced Nitro Glycerine based

explosives and earned good profit. The various units like Detonator, Detonating Fuse, Slurry, and Emulsion & MMAN were commissioned later. The year wise commencement of these various units are as follows:

Name of the Plant	Year	Capacity per annum
Detonators	1988	45 Million Nos
Detonating Fuse	1988	12 Million Mtrs
Slurry	1992	10000 M.T
Emulsion	2004	9000 M.T
Mono Methyl Amine Nitrate (MMAN)	2007	6000 M.T

The company was earning profit till 2002-2003. During the year 2004, the Nitro Glycerine based Explosives was banned by Govt. of India. After that the company suffered severe setback in production of explosives. Due to the above, the company had severe Financial setback from

2003-04 onwards. The Employees consist of 295 workers, 69 staff and 25 officers totaling 389 at present.

9.1. Vision

To produce quality explosives and accessories used in the mineral exploration, oil exploration and other infrastructure work such as well digging, tunneling and to supply to needy companies.

9.2. Mission

- (1) To promote industrialization in Vellore District (formerly North Arcot District).
- (2) To provide employment to the local people in Vellore District to develop Economically & Industrially Backward Area.

9.3. Explosive Production

Tamil Nadu Industrial Explosives Limited at present produces the following products:

Sl.No	Product	Applications
01	Emulsion Explosives	Used in well digging, quarrying & rock blasting
02	Slurry Explosives	Open cast mining purpose
03	Detonators	As an accessory for igniting explosives
04	Detonating Fuse	As an accessory for igniting explosives
05	Mono Methyl Amine Nitrate	Used as a base chemical in the manufacture of explosives in foreign countries.

9.4. Improvements Achieved in Production Divisions:

The company's production divisions are broadly in 5 Units.1) MMAN, 2) Emulsion, 3) Slurry, 4) Detonators & 5) Detonating Fuse. The division wise improvements and achievements are detailed below:-

9.4.1. Mono Methyl Amine Nitrate

Mono Methyl Amine Nitrate solution (MMAN) is a unique product which is being manufactured by only two companies in India viz. M/s KELTEK, Karnataka and TNIEL. The MMAN is used for our captive consumption to produce seismic explosives to ONGC. During the year the company obtained orders from ONGC. Baroda & Assam for supply of Seismic Explosives worth Rs.2.00 crore and for this MMAN will be used. Further to our captive consumption MMAN is being exported to Australia, Turkey, Angola and Bolivia. In the current year, the company achieved the production of 1,286.400 MT against the production of 1,040 M.T achieved during the corresponding period in the previous year and in the current year, exported 1,286.400 M.T earning Rs.793.96 Lakh.

9.4.2. Emulsion Based Explosives

This division's product Powertel-90 is supplied to Trade sector and other products such

as Powertel-1, Powertel-5 and Powertel-80 are supplied to organized sector companies such as SCCL, UCIL & HCL. This division in this year produced 3996.642 M.T of explosives against the production of 3194.513 M.T achieved during the corresponding period in the previous year.

9.4.3. Slurry Based Explosives

The products of this divisions are 1) Telprime-83/125mm, 2)Telgel-83/125mm and Telprime CPT. This division in the current year manufactured 877.750 M.T of explosives against the production of 702.550 M.T achieved during the corresponding period in the previous year.

9.4.4. Detonators

This division is highly manpower oriented. Due to the introduction of new rules by Government of India for the usage of Ammonium Nitrate with effect from 10.01.2014, the usage of Detonators by the end user has been reduced considerably. This led to substantial

reduction in the demand for Detonator and the price in the market. Due to this, the performance of this unit was very much affected in this year. This division in the current year manufactured 179.917 Lakh Nos of detonators against the production of 253.769 Lakh Nos achieved during the corresponding period in the previous year.

9.4.5. Detonating Fuse

Detonating Fuse is the product manufactured by this division and it is mainly consumed by underground mines. As of now, due to poor market requirement, the production activities are sluggish. However, constant efforts are being taken to revive the market and maximum utilization of the production capacity. The company has obtained export orders for 5.00 Lakhs meters from Philippines. This division in the current year manufactured 30.050 Lakh Mtrs of Detonating Fuse against the

production of 22.330 Lakhs Mtrs. achieved during the corresponding period in the previous year.

9.5. Financial Performance

Due to the initial problems, the company was suffering loss from 1986 to 1993 and was referred to BIFR. After BIFR approved rehabilitations schemes during 1992 the company improved its operations and earned profit from 1993-94 to 2002-03. On 01.01.2004 the Government of India suddenly banned the production and sales of the profitable product viz. Nitro Glycerine based explosives pushing the company to loss position from the year 2003-04. Even though the company introduced alternate products like Emulsion, MMAN for its profitable NG explosives, its performance did not improve resulting in continuous loss till date.

The company had been constantly exploring the possibilities of increasing market share and also reducing the cost of production. During the current year, the company got an order from ONGC Assam and ONGC, Baroda for Rs.2.00 crore.

The wood fired boiler sanctioned by Government was commissioned during August 2014 and this is expected to help the company to achieve saving in Furnace oil consumption by Rs.1.20 crore per annum. For the financial year 2014-15, the company is expected achieve a turnover of Rs.42.00 crore.

9.6. Export

TEL has been exporting its explosives products from 1998 onwards to the following countries.

- (1) Turkey
- (2) Angola
- (3) Philippines
- (4) Singapore
- (5) Ethiopia
- (6) Australia
- (7) Bolivia

The current level of export is around Rs.8 to Rs. 9 crore per annum. The company is expecting major export order from Egypt for Rs.6.00 crore during 2015-16 and in the current year, the total amount of Export will be Rs.12.00 crore. In order to improve the Exports, the company has been extending invitations to new foreign customers.

9.7. Performance of Tamil Nadu Industrial Explosives Limited

Year	2013-14 (Actual)	2014-15 (Provisional)	2015-16 (Estimated)
Total Turnover (Rs. in Crore)	42.14	42.00	72.00
Net Profit/Loss (Rs.in Crore)	(-) 9.74	(-) 14.47	1.00

The company at present has the following liabilities:

Sl.No	Description	Loan Amount (Rs.in Crore)
01	IOB - Vandaranthangal, Vellore CC Limited.	8.00
02	TN Govt. Interest Free Loan, Voluntary Retirement Scheme (VRS) RS Loan, Ways & Means advance including accumulated interest as on 31.03.2014	100.41

Further the accumulated loss of TIEL as on 31.03.2014 was Rs.126.82 Crore.

9.8. Voluntary Retirement Scheme

Establishment expense constitutes the major cost in the operation of the company representing 35% to 40% of the turnover. In order to reduce the labour cost, the company

earlier availed financial assistance of Rs.22.09 crore from Government and relieved 423 employees and reduced the staff strength to 393. Now due to substantial reduction in demand for detonator and also very low price ruling in the market for detonators, the company is examining the possibility of bringing some more employees under the Voluntary Retirement Scheme (VRS). For this scheme assistance from Government will be required.

9.9. Capacity Utilization of Plants

The plants are having huge capacity to produce materials mentioned in Page-1 above. However In the past, lower capacity utilization in the plants was achieved. Now the plants have been accelerated to improve the capacity. The production achieved during 2013-14 and in current year is as follows:

Name of the Explosives	2013-14	2014-15	Increase %
MMAN(In Metric Tons)	1040	1286.400	23.69
Emulsion (In Metric Tons)	3194.513	3996.642	25.10
Slurry (In Metric Tons)	702.550	877.750	24.93
Detonating Fuse(Lakh Meters)	22.330	30.050	34.57
Detonator (Lakh Nos)	253.769	179.917	(-)29.10

Uninterrupted raw material supply is the major constraint to improve the capacity utilization of various plants. However, the company is taking all out efforts to supply raw materials to all the divisions uninterruptedly Gradual increase in sales turnover is planned and the productivity of each and every employee is evaluated and necessary corrective actions are being taken. For any shortage of manpower,

additional manpower is provided on contract basis to utilize the full capacity of all divisions of production.

9.10. Initiative taken by Tamil Nadu Industrial Explosives to have plant at Singareni Collieries Company Limited to supply Explosives at their site.

TEL took the initiative to set up Slurry based plant at Singareni Collieries Company Ltd in Joint Venture Model. Preliminary work is over and other modalities like Government permission, Investment from TEL side are being examined.

9.11. Labour Welfare, Industrial Relations and Safety

The workers are working in very dangerous conditions. Their safety is of prime concern and therefore safety is given top most priority. Periodical medical checkup and stress management programmes are conducted to all employees. The settlement for the workers

category has been finalized and proposal has been sent to Government for approval.

9.12. Research and Development (R&D)

The R&D activities is one of the important works of TEL. The following developments have been successful in this regard through R&D effort in the current year.

Usage of Copper coated Mild Steel wire in the place of copper wire in the packing of Permitted Explosives P1 & P5 supplied to SCCL is likely to result in cost saving of around Rs.3,000 MT's and the likely saving per annum will be Rs.50 lakh.

TEL hopes to put more effort in the R&D so as to save considerable expenditure in the years to come.

9.13. Export

The achievement in the export during 2013-14 and 2014-15 was Rs.9.84 and Rs.9.42 crore respectively. However taking into the current demand, the TEL is exploring all possible ways to export the products to the maximum level. TEL proposes to appoint Export Agents Region wise including the export market. Export market is the major potential for TEL to survive in the market dominated by private players. The target for export for 2015-16 is therefore proposed at Rs.25.00 crore.

In India, in Explosives business there are many private manufacturers at present. TEL is not able to match its cost of production to that of private sector and it is incurring loss. Hence TEL is contemplating to have full pledged Voluntary Retirement Scheme to reduce the labour cost. Further TEL is exploring the possibility of

becoming a 100% Export oriented unit to produce and Export Detonating Fuse, MMAN and Slurry products to make the company viable.

Despite the accumulated losses of Rs.126.82 Crore and huge Government loan outstanding, TEL is taking strenuous efforts to come out of the present situation.

10. TAMIL NADU MINERALS LIMITED

Minerals are finite and exhaustible and hence, TAMIL NADU MINERALS LIMITED's endeavour is to exploit prudently the available natural resources and market the minerals profitably. The main objective of TAMIL NADU MINERALS LIMITED is production and marketing of minor minerals like black, white, paradise, multicolour granites blocks, granite finished products and major minerals like Graphite, 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 on a scientific basis.

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

Sl. No	Types of Granite	No. of Leases	Extent (in Hects)
1	Black Granite	71	916.670
2	Colour Granite	48	751.500
3	Major Minerals	18	324.942
	Total	137	1993.112

10.4. Employees Details

Staff & Officers	555
Workers	692
Total	1247

10.5. ACHIEVEMENTS

- During the year 2013-14, TAMIN made the highest ever achievement in respect of total turnover of Rs.188.87 crore, Export turnover of Rs.45.71 crore, Net profit before tax of Rs.24.69 crore and contribution made to the exchequer Rs.24.24 crore .
- The sale for the year 2014-15 was Rs.155.00 crore (unaudited) against Rs.188.87 crore in the previous year. This is the second highest ever sales since the inception of the company(1978).
- Rs.17.79 crore worth of granite blocks were exported during 2014-15 to China, Japan, USA and other Eastern European Countries.

- Highest ever Production from the inception in Indian Standard Sand (3882 MT) and Raw Vermiculite (2222 MT) has been achieved during 2014-15.
- TAMIN has achieved a highest ever sales from the inception of the company (1978), Limestone - Rs.33.04 crore, Graphite Flakes Rs.30.33 crore, Indian Standard Sand Rs.7.10 crore and Exfoliated Vermiculite Rs.1.93 crore during the year 2014-15.
- Production has been achieved in Black Granite (17327 M3), Graphite Ore (71256 MT), Exfoliated Vermiculite (1450 MT), Limestone (666190 MT), Graphite Flakes (5848 MT), Raw Silica Sand (7647 MT) and Cut & Polished Slabs and Monuments (79439 M2) during 2014-15.
- The profit before tax comes to Rs.21.55 crore (unaudited) for 2014-2015. This is the second highest profit since the inception of the company.

- Highest ever contribution to government exchequer of Rs.24.24 crore was made for 2013-14. This contribution consists of royalty, seinoriage fees, dead rent and dividend on shares.
- TAMIN is emerging in the production of building slabs with latest machineries through its new granite cutting and polishing unit at Melur.
- TAMIN has taken up studies to modernize its graphite beneficiation plant at Sivaganga to enhance production.
- TAMIN has taken up an initiative by inventing a unique process of producing 'vermitiles' from the vermiculite as roofing tiles.

10.6. Significant Initiatives taken during the Financial Year 2014-15

- TAMIN has procured own machineries for deployment in mining operations at a total cost of Rs.12.72 crore.

- Sand unit at Ennore is being modernized at a cost of Rs.1.95 crore.
- Setting up of Vermiculite unit at Sevathur in Vellore District has commenced at a cost of Rs. 1.80 crore.
- A Mine Audit Committee has been constituted. The team consisting of Geologists, Mine Engineers, Mine Surveyor and a retired external expert from Geological survey of India, audits each mine on a scientific basis at periodical intervals.

10.7. Quarry Management System Software

- ❖ TAMIN has made an innovative effort by introducing a System called Quarry Management System (QMS) with a view to monitor the day-to-day activities like production, dispatch, men & machinery performance, waste generation etc in the granite quarries, major mineral mines and factories. QMS is a supporting tool to increase

production by proper utilization of men and machineries and it is ensuring transparency.

- ❖ TAMIN is working on new initiatives with transparent management. For that, during the year 2013-14. TAMIN has been awarded the prestigious National e-Governance Award under the category 'Innovative use of ICT by State Government Public Sector Undertakings' at the 18th National Conference on e-Governance on 30.01.2015 organised at Gandhi Nagar, Gujarat.
- ❖ Further developments in Quarry Management System called QMS_{v2.0} are being carried out for upgradation, in linking all the activities of the organization.

10.8. Management of Mines and Quarries

TAMIN is always carrying out quarry operations in a systematic and scientific manner by adopting modern techniques with State of the art mining machineries in all its mines to protect the environment against noise, dust, smoke and vibrations.

11. DEPARTMENT OF GEOLOGY AND MINING

Minerals form the basic resources for several important industries and contribute substantially to the Gross State Domestic Product and Industrial growth. Minerals are considered to be the back bone for the economic growth and deemed to be the wealth of the Country. The developmental activities of the State and its economic prosperity are reflected by the availability of mineral wealth and its prudent exploitation.

Since, the mineral resources are non-replenishable, it is imperative that the minerals should be scientifically exploited for the judicious mineral conservation and effective mineral administration to achieve optimum mineral revenue.

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 Colour Granite.

11.1. Objectives

- (i) To expedite investigation of new mineral deposits by adopting modern exploration techniques
- (ii) To make available mineral based information / data to the interested entrepreneurs for setting up of mineral based industries.
- (iii) To encourage competitiveness in the mineral industry through optimum use of minerals.
- (iv) To ensure economic prospecting in the State and protection of environment and ecological balance during the course of mining and thereafter.

- (v) To encourage the human resources development for meeting the requirement of mining and mineral based industries.
- (vi) To provide for safety and welfare of the people engaged in mining activities.
- (vii) To take action against those engaged in illegal mining / quarrying and transportation of minerals.
- (viii) To increase the Mineral revenue through effective mineral administration.

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

1. Mineral Exploration and evaluation of minerals.
2. Geotechnical studies in the hilly areas of Nilgiris and Kodaikanal .
3. Mineral Administration.

11.2.1. 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. Further the new scheme of mineral exploration work will be taken up by the Department.

11.2.2. Geo technical studies in the Hill tracks

The Geo technical cells have studied the hilly areas of Nilgiris district and Palani hill Ranges of Kodaikanal taluk of Dindigul district and prepared the thematic maps, zonation maps etc., deciphering the vulnerable points of landslides. The Geotechnical Cells created by the Government are functioning to study the Geo-Technical aspects and monitor the landslides in

the Hilly terrain of Nilgiris and Kodaikanal. The Geo technical cells are providing technical guidance to the District Administration in the landslide disaster management and suggesting the remedial and preventive measures for safeguarding the lives and properties in these vulnerable areas.

Further, the Geo-technical cells are furnishing feasibility reports in selecting the areas for any construction activity in the hilly areas after studying and examining the safety and suitability of the site from the view point of prevention of landslide.

During the year 2014-15 the geo technical cells have inspected and furnished 213 feasibility reports for site clearance.

11.2.3. Mineral Administration

The Mineral Administration work includes the grant of mineral concessions for both major and minor minerals in accordance with the

relevant provisions of the Act and Rules. Ensuring scientific mining without affecting environment, regulation of mining operations for the conservation and development of minerals, prevention of illicit mining and illegal transportation of minerals, collection of seigniorage fee / royalty are the works related to mineral administration.

For the purpose of effective mineral administration, this department has established 28 District Offices and they are functioning under the charge of either a Deputy Director or Assistant Director. The District Offices are functioning under the administrative control of the respective District Collectors and under the overall control of the Commissioner of Geology and Mining.

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

Sl. No.	Mineral	Total No. of existing leases	Total extent (in hecets.)
1	Major Minerals		
	(i) Oil & Natural gas	24	48940.00.0
	(ii) Lignite	1	25900.00.0
	(iii) Other major minerals (Limestone, Quartz and Feldspar, Garnet, Ilmenite etc.)	917	10075.30.0
	Sub total	942	84915.30.0
2	Minor Minerals		
	(i) Granite	846	3490.86.0
	(ii) Other minor minerals (Roughstone, Earth / Gravel / Savudu etc)	2916	5645.38.5
	Sub total	3762	9136.24.5
	Grand total	4704	94051.54.5

11.3. Mineral Revenue

The effective and diligent measures taken by the Department in mineral administration have brought out considerable increase in mineral revenue for the State exchequer. The Department of Geology and Mining has been striving hard to show better progress in revenue generation for the Government. The stupendous growth from Rs.2.83 crore in the year 1983-1984 to Rs.993.62 crore (except the Revenue from sand) in the year 2014-15 bears testimony to the efforts of the department.

The details of mineral revenue (except sand) for the past five years is given as below :

Year	Revenue (in Crore)
2010-11	671.38
2011-12	835.84
2012-13	943.99
2013-14	969.70
2014-15	993.62
2015-16(Upto July)	319.75

11.4. Online Mining Tenement Registry System

Online Mining Tenement Registry System is an information system in which the details of mining leases are displayed online in the Geographical Information System based on geo-referenced cadastral maps. By implementing this scheme in a full fledged manner, the illicit area can be easily identified and the illicit mining/quarrying in the leased out area can be monitored and prevented.

Government have sanctioned Rs.108 lakh 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, Trichy, Villupuram and Virudhunagar Districts during the financial years 2011-12 and 2012-13 under Part-II Scheme.

The preparation of Online Mining Tenement Registry for three districts viz Coimbatore, Salem and Tirunelveli has been completed and with respect to Tiruchi District, the Online Mining Tenement Registry is in progress. The Online Mining Tenement Registry for Salem, Coimbatore and Tirunelveli is ready for deployment in Tamil Nadu State Data Centre at Perungudi, Chennai.

12. DEPARTMENT OF SUGAR

Sugar Industry in Tamil Nadu is an important agro based industry. It is a major industry, which directly helps to improve the economic conditions of the agriculturists and agricultural labourers in the rural areas. Tamil Nadu is one of the leading producers of sugar in the country and is in the 4th position at the National level. Its contribution is about 7 to 9% of the country's production of sugar.

Out of 46 sugar mills in the State, 43 sugar mills viz. 25 in Private Sector, 16 in Cooperative Sector and 2 in Public Sector are functioning.

12.1. Achievements

All operating 43 Sugar Mills in our state have programmed to crush about 138.73 lakh MT's of cane and to produce 12.72 lakh MT's of

sugar with an average recovery of 9.17% for this current (2014-15) crushing season. During this season (up to 31.07.2015), the Co-operative, Public Sector and Private Sugar Mills in our state have crushed 120.16 lakh MT's of cane and produced 10.49 lakh MT's of sugar with an average recovery of 8.71%. The details of mill wise cane crushed for the season 2013-14 and estimate for 2014-15 season are shown in the performance particulars of this Department.

The State Government has announced Rs.2650/- as State Advised Price for sugarcane inclusive of transport charges of Rs.100 per MT's for 2014-15 season.

The Government of Tamil Nadu with an aim to augment sugarcane production and to achieve 100% capacity utilization by the sugar mills is implementing various technologies such as Sustainable Sugarcane Initiative under the Sustainable Sugarcane Initiative Scheme.

Production of chip budded seedlings (Superior Seedlings) using shade nets, installation of Drip system for efficient use of available irrigation water and fertigation to enhance farm fertilizer use efficiency, are the important features of Sustainable Sugarcane Initiative Scheme.

Tamil Nadu Cooperative Sugar Federation Limited is the Nodal Agency to sell the sugar produced by all Cooperative and Public Sector Sugar Mills in our state. During the financial year 2013-14, a quantity of 4.40 Lakh MT's of sugar was sold and a sum of Rs.1348.89 crore was realized. During the financial year 2014-15, a quantity of 4.36 Lakh MT's of Sugar have been sold and an amount of Rs.1370.63 crore have been realized. During 2015-16 upto June 2015, 0.99 Lakh MT's of sugar have been sold and an amount of Rs.274.54 crore have been realised.

The by product, bagasse is used as fuel to generate steam and power for operation of the

mills. The surplus bagasse after meeting the internal consumption is being sold to other Industries on tender basis. During the financial year 2014-15, a quantity of 32,578 MT's of bagasse has been sold and an amount of Rs. 6.71 crore has been realised. During 2015-16 (upto June 2015), 20,350 MT's of bagasse have been sold and an amount of Rs.3.99 crore has been realised.

Molasses is a valuable by-product of Sugar Mills, utilized for production of Alcohol, Chemicals and cattle feed. After meeting the molasses demand of two Cooperative distilleries, Molasses is sold to distilleries, chemical manufacturers and others. During the financial year 2014-15, a quantity of 2.09 lakh MT's of molasses have been sold and an amount of Rs.85.91 crore have been realized. During 2015-16 upto June 2015, 0.41 Lakh MT's of

Molasses have been sold and an amount of Rs.16.25 crore has been realised.

Press mud is also another by-product of Sugar Mills. By utilizing Press mud, Vermi Compost, a bio compost is produced in the sugar mills. In some of the sugar mills enriched press mud is made by adding micro nutrients and bio organisms. The press mud is distributed to the cane farmers of the concerned sugar mill.

From the distillery units that are functioning in Salem and Amaravathi Co-operative Sugar Mills, during the financial year 2014-15, a quantity of 82.88 Lakh Litres have been sold and an amount of Rs.26.90 crore was realized. During 2015-16 upto June 2015, 52.20 lakh litres of ethanol and spirit have been sold and an amount of Rs.17.36 crore was realised.

Blending of ethanol with petrol upto 5% is permitted. 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.

In Cooperative Sector, Co-generation Plants are functioning at M.R. Krishnamurthy Cooperative Sugar Mills, Cheyyar Cooperative Sugar Mills and Subramaniya Siva Cooperative Sugar Mills. The installed capacity of Cogeneration plants at M.R. Krishnamurthy Cooperative Sugar Mills and Cheyyar Cooperative Sugar Mills is 7.50 MW each and that of Subramaniya Siva Cooperative Sugar Mills is 5 MW. During the financial year 2014-15 surplus power was exported resulting in earning of Rs. 1.05 crore. During 2015-16, surplus power was exported resulting in earning of Rs. 0.16 crore upto June 2015.

12.2. Co-generation & Modernisation

The cogeneration project in 12 Cooperative and Public Sector Sugar Mills with a total capacity of 183 MW is undertaken through TANGEDCO at a total cost of Rs.964.88 crore.

(Rs. in crore)

S. No.	Name of the Sugar Mill	District	Capacity in MW	Cogeneration cost
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	Kallakuruchi -I Coop. Sugar Mills	Villupuram	15	84.12
7	Kallakuruchi -II Coop. Sugar Mills	Villupuram	15	76.81
8	Chengalrayan 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

The works under this project are nearing completion. By continuous reviews made these works at Vellore, Cheyyar & Chengalrayan and National Coop. Sugar Mills are expected to be completed by November 2015 and in other Sugar Mills, the work will be completed one by one.

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

(Rupees in Crore)

S.No.	Name of the sugar mill	District	Project 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	Cheyar Coop. Sugar Mills	Thiruvanamalai	14.68
6	Kallakuruchi –I Coop. Sugar Mills	Villupuram	9.02
7	Kallakuruchi –II Coop. Sugar Mills	Villupuram	10.96
8	Chengalrayan 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

In Dharmapuri, Kallakurichi-I, Kallakurichi-II, Salem and Subramaniya Siva Cooperative Sugar Mills, modernization works completed. In Vellore, Cheyyar and Chengalrayan Coop. Sugar Mills the execution works will be completed by November 2015.

12.3 Establishment of New Distillery cum Ethanol Plant

Steps have been taken to establish 45 KLPD Distillery-cum-Ethanol plant at Cheyyar Coop. Sugar Mills. Environmental clearance from the Ministry of Environment and Forest, Government of India has been obtained. On incorporation of modern process technology and

latest Effluent Treatment facilities with necessary infrastructure, the cost of the project was revised to Rs.90 crore. Action is being taken to obtain NCDC loan for the project.

Steps have been initiated for establishment of 45 KLPD Distillery cum-Ethanol plant in Kallakurichi-II and in Subramaniya Siva Coop. Sugar Mills. The consultant for preparation of Detailed Project Report was appointed and the report has been received. Action is being taken to obtain Environmental Clearance from Ministry of Environment and Forest, Government of India and Tamil Nadu Pollution Control Board Board.

P. THANGAMANI
Minister for Industries
and Transport Department