



Defence Innovation Centre



LEADING THE CHARGE IN DEFENCE INDIGENISATION

FROM THE PRESIDENT'S DESK.....



Hello Friends,

Greetings from **CODISSIA - The Coimbatore District Small Industries Association.**

It is a matter of great honour and pride for me to represent one of the oldest and premier association for MSMEs in this country as its President. CODISSIA has over 5000 members who represent a variety of industries, and has been built on a strong value system, nurtured and constantly monitored by its founding members and Past Presidents.

We can proudly claim that the entire economy of this region is sustained predominantly by members of this association.

One may be aware that Coimbatore is the hub for automotive supplies in India. Significant percentage of automotive components are being supplied from this region. Going by the trends in automotive industry, it is imminent that this industry would migrate to E- Vehicles from the conventional internal combustion engines shortly leaving many of the industries in this region redundant, if they do not switch over to other sectors.

This is the underlying thought process for us to venture in to Defence Supplies. Our Dream and Mission is to make this entire region a hub for Defence supplies within the next 10 years.

To achieve our goal, the first step that we took was to procure 3 acres of land each in two different locations in the outskirts of the city of Coimbatore, to start the following :

- i. **Skill Development Centre** - This would train and impart skill to unskilled labourers to work on modern as well as conventional machines
- ii. **Defence Innovation Centre** - For Process and Product Innovation, Reverse Engineering and development of complex prototypes
- iii. **Consortium** - This Consortium will be formed with an investment of about Rs. 100 Crores. (\$ US 15 million) About 2000 MSMEs, from this region will be the Stake Holders of this consortium. This Consortium will be managed by Industry Professionals and function under the watchful eye of a Supervisory Board consisting of members from among the stake holders. This Consortium will act as the Integrator and will bid Tenders globally.

We are proud to mention that the Honourable Minister for Defence, Government of India, **Smt. Nirmala Sitharaman** had announced a grant of Rs. 20 Crores (\$ US 3 million) as Seed Money to CODISSIA, to start the Defence Innovation Centre. CODISSIA expresses its gratitude to the Honourable Prime Minister **Shri. Narendra Modi** and the Honourable Minister for Defence and sincerely thank them for their faith in its capability and integrity.

With such ground work already in place, preparing itself for the larger goal, CODISSIA has also aligned itself with

- I. the best in Academia for Research support,
- ii. Institute of Quality of CII for necessary Quality Certification and adherence to Quality Norms &
- iii. the Society of Indian Defence Manufacturers, to be part of a Defence manufacturing group.

We are looking forward to joining hands with bigger manufacturers of Defence products, to be their off-set Partners through Transfer of Technology, Joint Ventures etc. We can also identify capable partners for those companies looking for offset obligation.

We are sure that we can be high quality and dependable partners to these larger units and can contribute significantly to the "Make in India" Movement by supplying high quality Indian Solutions to fight India's wars.

On this note, I invite the larger manufacturers for discussion and necessary engagement on this subject.

You may go through this booklet for more information about us. I am sure that this booklet would give you details into our strengths, goals and Initiatives.

Jai Hind!

Yours sincerely,

V. Sundaram

President, CODISSIA



VISION

To develop Coimbatore into a
Defence Manufacturing Hub by 2028

MISSION

To harness on the synergies of its members
to supply to Defence requirements

To specialise in the fields of small arms, armoured /
heavy vehicles and aero space applications

To incubate members to scale up to requirements
of Defence Equipment procurers



CODISSIA DEFENCE INNOVATION CENTRE

CODISSIA Defence Innovation Centre is a Special Purpose Vehicle (SPV) which will be formed as a Section 8 company, and will have representatives from CODISSIA and the Government on its Board.

This Innovation Centre will develop Prototypes needed for Defence Production and will act as a catalyst in developing Coimbatore Region to emerge as a Defence Manufacturing Hub.

This SPV, when formed, will function with the following objectives:

1. Identifying the requirements of the Armed Forces & DPSUs that need to be indigenized.
2. Mapping capabilities of MSMEs in and around Coimbatore.
3. Analysing the assistance required by the MSMEs and incubating their ideas.
4. Creating necessary infrastructure to innovate, develop and test the products and services developed by MSMEs, for the Defence Establishments.
5. Create linkages with educational institutions having technical expertise to design new products.
6. Create linkage with Institute of Quality, CII, for Quality Testing and Certification Process.



CODISSIA CENTRE OF EXCELLENCE

CODISSIA is bringing out a centre of excellence in the CODISSIA Industrial Park Ltd., in about 50,000 Sq. Ft. which will house a Skill Development Centre needed for imparting necessary skill training to unskilled labourers immensely benefiting the industries of this region.



Shri. Kalraj Mishra, Hon'ble Minister for MSME, Govt. of India,
unveiling Foundation Stone of CODISSIA Centre of Excellence - 9th June 2015

View of Proposed CODISSIA Centre of Excellence - Skill Development Centre



View of Proposed Display Centre



CONSORTIUM OF MSMEs

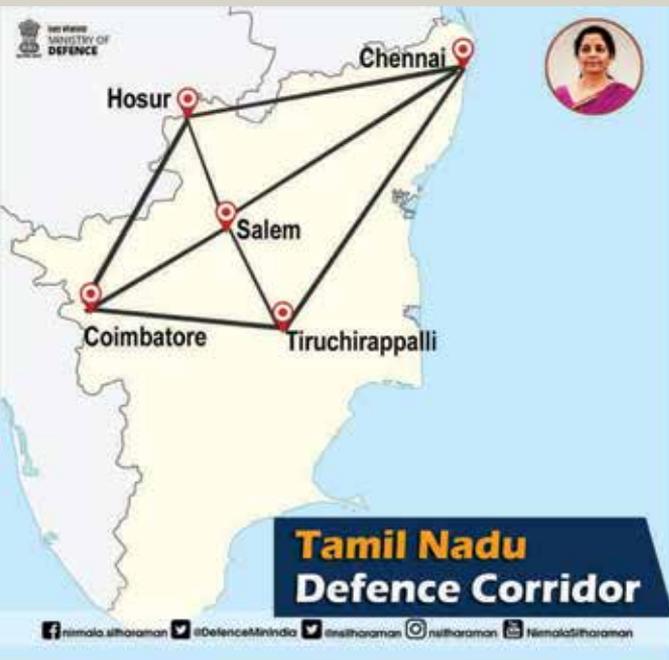
CODISSIA intends to invest an amount of Rs.100 Crores (\$ US 15 million) and form a company supported by MSMEs.

About 2000 MSMEs from this region having capability for Process Innovation, Reverse Engineering and development of complex prototypes would become stakeholders and also suppliers of this Company. This company would act as the Integrator and would supply components / products to the Defence Forces.

This consortium will be managed by Professional Industry Managers under the control of a Supervisory Board which will form the Guidelines and also act as a monitoring and supervisory Body.

This consortium will go for bidding Tenders for Defence manufacturing and shall execute orders through capable MSMEs in its fold or elsewhere.

This company will be part of a strong network of suppliers for Defence Forces by aligning itself with the Society of Indian Defence Manufacturers.



ADVANTAGE COIMBATORE

1. Presence of establishments of Army, Navy and Air Force.
2. Availability of technical resource in these establishments for knowledge sharing.
3. Availability of their Firing Ranges for trial and testing of small arms.
4. Coimbatore is Hub for Engineering Industries and supplies many components to various industries across the globe.
5. Large industries at Chennai, Tiruchirappalli, Salem and Hosur are also dependent on Coimbatore for supplies.
6. Coimbatore is well connected by Road, Rail and Air to all the major cities and Ports in India.





Announcement of **India's First Defence Innovation Centre for Coimbatore** by the Honourable Minister for Defence, Govt. of India, **Smt. Nirmala Sitharaman** on Sunday, the 7th January 2018 @ CODISSIA Trade Fair Complex, Coimbatore



CODISSIA TRADE FAIR COMPLEX



HALL - D, Exhibition Area - 5000 sq. mts., Roof Height : 9mts.
Exhibitor Vehicle entrance - 4.6m width x 5m height



HALL - E, For Exhibitions, Conferences etc., Exhibition Area - 4000 sq. mts.
Roof Height - 6mts with false ceiling



HALLS - A, B & C
Exhibition Area - 10,000 sq. mts., Roof Height 10.65 mts. 6mts with false ceiling

CODISSIA PARK

CODISSIA INDUSTRIAL PARK LIMITED

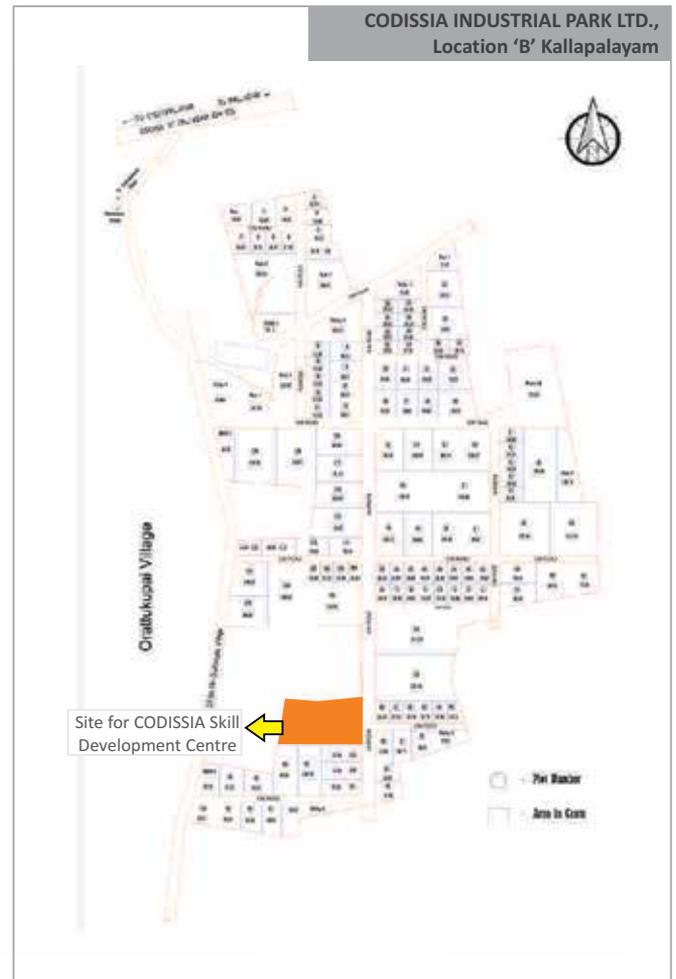
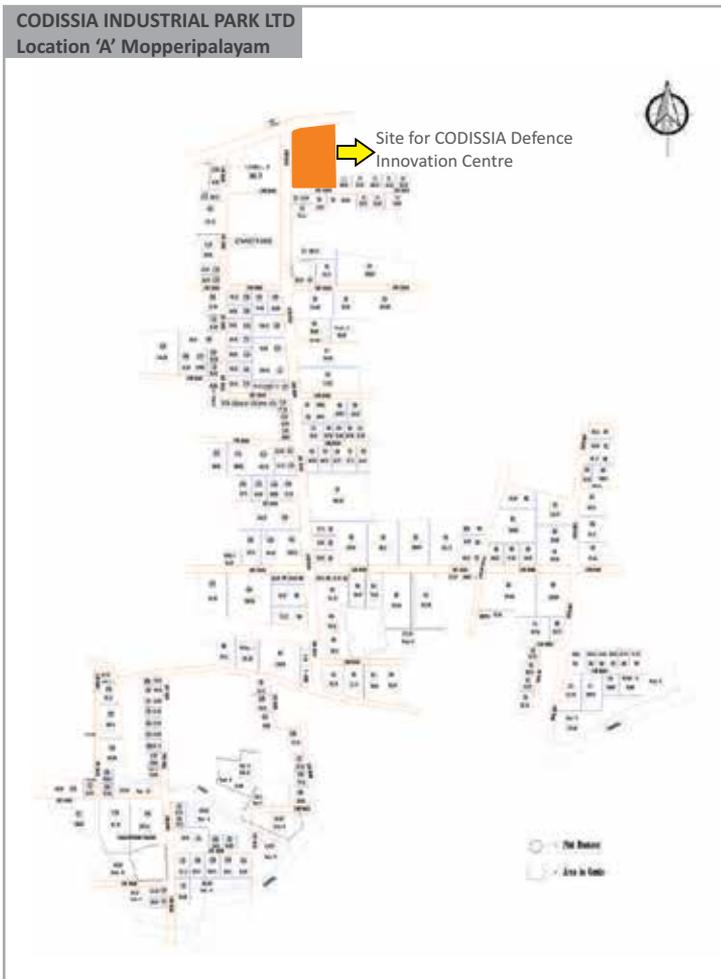
CODISSIA is promoting two State-of-the-Art Industrial Parks at two different locations in about 500 acres of land.

The objectives behind bringing out these Industrial Parks are

- I. to establish new industries with fresh investments and
- ii. to decongest the city by relocating to the new site, thereby reducing the pollution level inside the city.

CODISSIA has procured 3 Acres of land in each of these sites to develop the following:

- I. Skill Development Centre
- ii. CODISSIA Defence Innovation Centre &
- iii. Consortium of MSMEs



CAPABILITIES OF COIMBATORE

Industrial Eco System

Coimbatore has a strong Industrial Eco System with more than a lakh registered MSME units and many other Medium and Large-scale industries functioning. These units have capability on the following areas:

- a. Foundries - Precision Iron & Steel Castings, Non- Ferrous Castings and Investment Castings
- b. Aluminium Gravity & Die Cast Components
- c. Hot & Cold Forge Items
- d. Heat Treatment Facilities
- e. Material Testing Facilities
- f. Sheet Metal Forming and Fabrication
- g. Tool Room Facilities for Jigs & fixtures & guages
- h. Rapid Prototype Modelling
- i. Plastic Mould & Die Components
- j. Rubber Die & Mould items
- k. Gears and Gear Boxes
- l. Hydraulics - Power Packs and Cylinders
- m. Pneumatics - Valves and Cylinders
- n. Compressors
- o. Electrical & Electronics
- p. Motors and Pumps
- q. Activated Carbon items
- r. Software Development for various applications
- s. Precision Automobile components

Educational Eco System

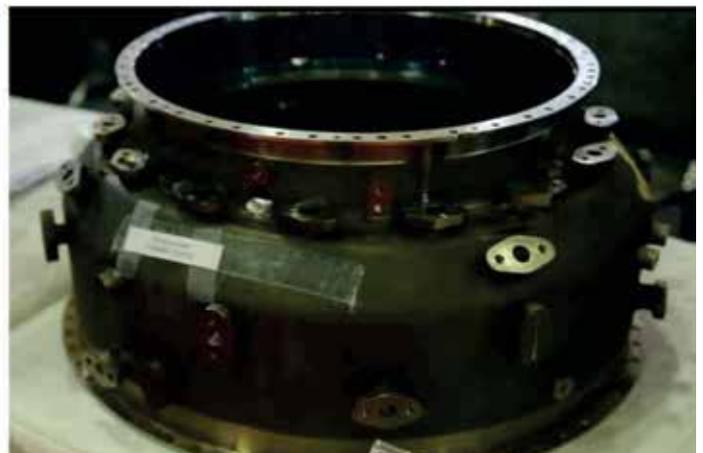
Coimbatore has significant number of higher education Institutions of Excellence and repute. These academic institutions carry out research on materials which could be a great source of import substitution. These academic institutions develop materials which could be used by Start-ups to develop components for aero-space applications.



LINKAGES OF CODISSIA WITH OTHER INSTITUTIONS

Depth of linkages of CODISSIA with Institutions / Bodies

1. Member of the **National Board for MSME, Government of India**, New Delhi
2. **MoUs with 47 Educational Institutions**, out of which 38 institutions are engineering colleges.
3. **CIPL** - CODISSIA Industrial Park Limited
4. **CII** - Confederation of Indian Industry
5. **FICCI** - Federation of Indian Chamber of Commerce and Industry
6. **ASSOCHAM** - Associated Chamber of Commerce
7. **IGCC** - Indo German Chamber of Commerce
8. **IACC** - Indo American Chamber of Commerce
9. **TANSTIA** - Tamilnadu Small and Tiny Industries Association
10. **SIEMA** - South India Engineering Manufacturers' Association
11. **ICCIC** - Indian Chamber of Commerce and Industry, Coimbatore
12. **IIF** - The Institute of Indian Foundrymen
13. **SIDM** - Society of Indian Defence Manufacturers



DEFENCE INDIGENISATION EXPO @ COIMBATORE

5th & 6th March 2018, CODISSIA Trade Fair Complex

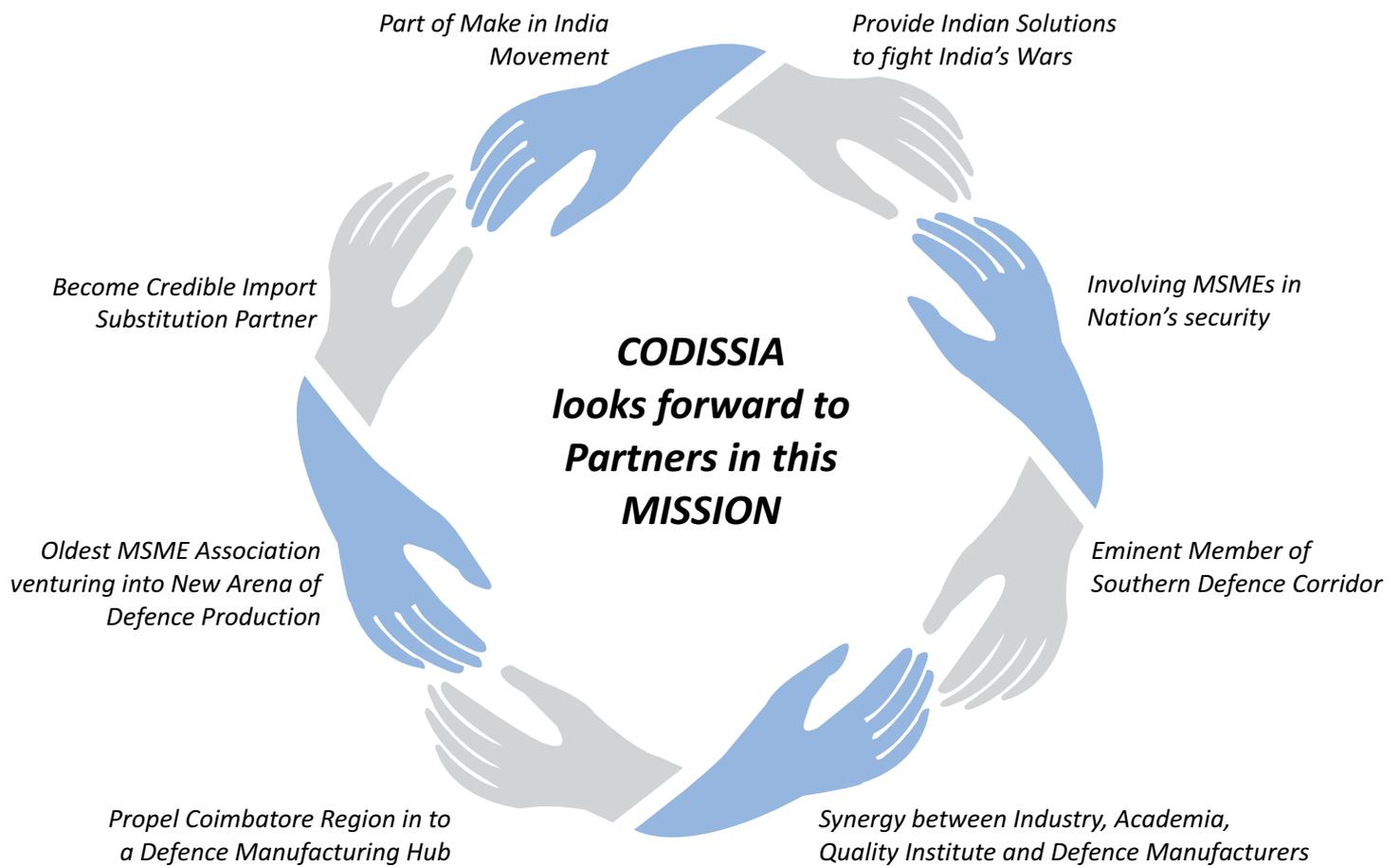
CODISSIA organised a Defence Indigenisation Expo at its CODISSIA Trade Fair Complex on 5th & 6th March 2018, the first of its kind in this region and had the privilege of having the following exhibitors who displayed more than 1000 items intended for Indigenisation. This fair attracted members in large numbers from the various regional industries who were keen on supplying to defence requirements and had enrolled themselves with the DPSUs as vendors.



Event Summary

1. Number of items on display for Indigenisation / Vendor Development	1030
2. Number of companies who have shown interest in supplying the items required	1487
3. Number of items tentatively finalised for indigenisation	471
4. Number of vendors that visited the stalls	3060
5. Number of vendors who showed interest / collected Registration Forms	1017





CODISSIA

The Coimbatore District Small Industries Association

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