

# MSME TECHNOLOGY CENTRES

## Q 1 . What is a Technology Centre?

**Ans :** Technology Centers are engineering units equipped with precision machine tools and allied equipment, to designs and manufactures moulds, dies, jigs, fixtures, etc. and to produce high precision parts and components, organize training programs and provide consultancy to Industry particularly MSMEs. Some of the technology centers are based on sector specific processes like glass manufacturing, fragrance and flavors, footwear manufacturing, etc.

The existing 18 Technology Centers were set up between 1969 to 1999. However, two societies existed for the footwear manufacturing sector before 1969, which were later on upgraded to Footwear Training Centers at Chennai and Agra.

Most of the Technology Centers have training class rooms, laboratories, huge workshops, latest software for training and production purposes, hostels, canteens, etc.

## Q 2 . What are the objectives of the technology centers?

**Ans :** Objectives of Technology Centers are to provide services to the Indian industry by way of precision tooling, providing training, consultancy in the area of Tool and Die making, CAD/CAM solutions, General Engineering, Glass Manufacturing, Sports Goods, Foundry, Electronics, testing and calibration, etc. TC, Aurangabad has manufactured latest tooling for Jeep. TC, Bhubaneswar makes precision components even for defence and space applications. TC Ludhiana, TC, Ahmedabad can make complicated moulds for bottle pumps, etc.

## Q 3 . What are the key benefits of these technology centers for the unemployed youth or MSMEs?

**Ans :**

- Student can join short term programs like IoT, CAD/CAM, etc during summer vacations and upgrade their skills.
- Workers can join for skill up gradation and reskilling. MSMEs can sponsor their workforce for skilling.
- Customized training can be organized for Corporates, MNCs and MSMEs.
- New entrepreneurs can get their product developed, and manufactured. They may use rapid prototyping for new products.
- Consultancy for new enterprises can be availed.

## Q 4 . How can the entrepreneurs take benefit of this scheme?

**Ans :** Advertisements are issued in newspapers for new courses. The interested MSMEs/ Youth should frequently visit websites of these TCs for updates. [http://dcmsme.gov.in/Technology\\_Centres.htm](http://dcmsme.gov.in/Technology_Centres.htm)

## Q 5 . What are the qualifications for getting training in these centres?

**Ans :** The eligibility criteria for these courses are from school dropouts to M Tech Level. But most of the programs are fit for ITIs, Diploma and degree holders in engineering and other related fields.

## Q 6 . How many technology centres are there in the country?

**Ans :** Ministry of MSME has established 18 Technology Centers, many of them through bilateral collaboration of the Governments of Germany and Denmark and the United Nations.

- i. Central Tool Room & Training Centre (CTTC), Kolkata
- ii. Central Tool Room (CTR), Ludhiana
- iii. Indo German Tool Room (IGTR), Indore
- iv. Indo German Tool Room (IGTR), Ahmedabad
- v. Indo German Tool Room (IGTR), Aurangabad
- vi. Indo Danish Tool Room (IDTR), Jamshedpur
- vii. Central Tool Room & Training Centre (CTTC), Bhubaneswar
- viii. Tool Room & Training Centre (TRTC), Guwahati
- ix. Central Institute of Hand Tools (CIHT), Jalandhar
- x. Central Institute of Tool Design (CITD), Hyderabad
- xi. Electronics Service & Training Centre (ESTC), Ramnagar
- xii. Institute for Design of Electrical Measuring Instruments (IDEMI), Mumbai.
- xiii. Fragrance & Flavour Development Centre (FFDC), Kannauj.
- xiv. Centre for Development of Glass Industry (CDGI), Firozabad.
- xv. Process & Product Development Centre (PPDC), Agra.
- xvi. Process cum Product Development Centre (PPDC), Meerut.
- xvii. Central Footwear Training Institute (CFTI), Agra
- xviii. Central Footwear Training Institute (CFTI), Chennai

## Q 7 . Is the government planning to set up new technology centres?

**Ans :** Apart from 18 TCs, Ministry of MSME, Government of India is establishing 15 Technology Centres and upgrading / modernizing the existing TCs under the Technology Centre Systems Programme (TCSP) at an estimated cost of Rs. 2,200 crore. Under this program, work on 13 new Technology Centres is in full swing. Upcoming Technology Centres would be equipped with multiple cutting edge manufacturing technologies such as CNC Machines, 3D Manufacturing/Additive Manufacturing, Laser / Ultrasonic machining, Robotics and Process Automation, Precision measurement/ Metrology equipment, for General Engineering and Automotive Sector, state-of-the art Electronics Manufacturing Facilities, Calibration and Testing Facilities for Electronic System Design and Manufacturing (ESDM) Sector.

15 new TCs (Rohtak, Bhiwadi, Baddi, Bengaluru, Durg, Puducherry, Vishakhapatnam, Sitarganj, Bhopal, Kanpur, Patna, Greater Noida, Imphal, Srepembadur, Kochi) will increase the training capacity by 120,000 trainees, taking the total capacity of all 33 TCs together to train about 3,20,000 trainees per year.

Even with the increased network of 33 TCs across India, a large base of MSMEs will still remain unserved especially in small cities and rural area. To address this issue, Hon'ble Prime Minister has announced the establishment of 20 Technology Centres and 100 Extension Centres (ECs) at an estimated cost of Rs. 6000 crore in November 2018.

## Q 8 . What kind of training programs are organized by the TCs?

**Ans :** Training Programmes : TCs organize various short term (less than 6 months), long term and specialized training programmes for industry.

76 programs are NSQF compliant. Some of the Training programmes are recognized by AICTE, NCVT, SCVT, etc. Many TCs conduct corporate training programmes for the Graduate Engineers/Diploma Holders for reputed industries like Larsen & Toubro, TVS Group of companies, Satyam (now Tech. Mahindra) etc. Besides, organizations like HAL, Ordnance Factory Institute of Learning, NIT, Surat. The most important training programs in Tool Design, Low Cost Automation, PLC, Machinist, Mechatronics, etc.

### **Q 9 . What are the other services provided by the technology centres?**

**Ans :** • The facilities of the Technology Centres allow for the design and manufacture of sophisticated tools, parts, components and products in conformity with international standards. The latest hardware and software available at these centres ensure professional design and 3D solid modeling.

- TC, Mumbai has latest machinery and equipment for calibration and testing of electrical appliances, ESDM gadgets.
- Technology Centers contribute to the development of technology in the country. Many of the TCs Rooms have designed & developed parts and components for high tech industries, research & developmental works of Indian Space Research Organisation (ISRO), Defence Research & Development Organisation establishments, Bhabha Atomic Research Centre (BARC) etc. and supplied necessary tools for its various programmes.
- Besides, they also provides consultancy in the areas of product and process development, productivity / quality improvement training programmes, turnkey projects, etc.
- TCs also take up turnkey assignment for setting up Tool Room.
- TCs are equipped with proto-type product development services are available in Tool Rooms.

### **Q 10 . What is the uniqueness of training programs of the technology centres?**

**Ans :** The trainees in the Technology centers get opportunity to do on the job training for the most of the duration of the programs. Long term diploma trainees get practical working exposure on precision machines and are readily accepted by the industry.

### **Q 11 . What kind of machines are available in the technology centers?**

**Ans :** Most modern machines like CNC Milling Machine, Jig Grinding Machine, Vacuum Heat Treatment Plant, CNC Co-ordinate Measuring Machine, CNC EDM Machine, Deckel Maho 5-Axis Universal Machining Centre, 3 D Metal printing, Ultrasonic machining, electron beam welding, various simulators, etc. are installed in the Technology Centers.

### **Q 12 . What kind of software are available in the technology centers?**

**Ans :** Latest CAD/CAM softwares including Pro-E, CATIA, UG, ANSYS, Hypermesh, Solidworks etc are used in training and production departments.

### **Q 13 . What is the administrative mechanism for the TCs ?**

**Ans :** Governing Council under the chairmanship of Development Commissioner (MSME), Ministry of MSME, with representatives from State Government and Industry association and entrepreneurs, is the controlling authority for the TCs.

### **Q 14 . What is your fee for premium services?**

**Ans :** We have not started our premium service now. Our rates will be economical and will provide you great return on investment. Please contact MSME. [sampark@comgov.in](mailto:sampark@comgov.in) for detail.