

## MACHINERIES

MSME TECHNOLOGY CENTRE IMPHAL is going to equip with the latest state of the art machineries and NABL accredited quality assessment laboratory first one of its kind fully dedicated on MAPs in the entire North East India. The machineries and Instruments include:

- Super Critical Fluid Extraction (SCFE) Unit
- Steam Distillation
- Rotatory Extractor
- Vertical Extractor
- Spray Dryers
- Solvent Extractor
- GC-MS
- Well-equipped Bio-technology Lab.
- FT-IR Spectrometer
- Spray Drier
- Raising Film Evaporator (RFE)
- Field Distillation Unit (FDU)
- Fractionation Unit
- Rotatory Vacuum Drier
- LC-MS/MS
- HPLC
- UV-VIS Spectrometer
- Optical Rotation Polarimeter

## MSME TECHNOLOGY CENTRE IMPHAL: MILETONES SO FAR

- Participated in 105th Indian Science congress at Manipur University, 2018; Indian international Trade fair 2018 & 2019 at Pragati Maidan; East Himalayan Expo 2018, Shillong; Arogya Fair 2018; NE MSME Submit for SC/ST Entrepreneurs 2019; Guwahati, Emerging North East 2020, Guwahati.
- Conducted 34+ awareness/training programmes in and around NE states.
- Conducted IPR Training Programme for Officers of MSME DI/BDI.
- Conducted 2 State Level Stakeholders Meet.
- 10+ Webinars with the involvement of State & National Institutes.
- Conducted 5 ESDP under National SC/ST Hub.
- Published a bilingual Booklet (English & Manipuri) on Potentials crops of the region.
- Participated in the state drive under the leadership of Hon'ble Chief Minister of Manipur under "War on Drugs" for alternative livelihood for poppy cultivating areas, proposing Medicinal and Aromatic Plants (MAPs) as a potential option.
- Popularizing the MAPs as potential source of Entrepreneurship with remunerative returns, in the nook and corner of North-East India.
- Awareness to the young minds of the college students about the opportunities in the venture of entrepreneurship on MAPs through IMC.
- Facilitating MAPs based existing and aspiring entrepreneurs in various aspects.



For Further Details Please Contact:  
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Ministry of Micro, Small and Medium Enterprises  
 Government of INDIA

## MSME TECHNOLOGY CENTRE IMPHAL



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## ABOUT THE CENTRE

Ministry of Micro Small Medium Enterprises (MSME), Government of India, under its flagship program Technology Centres Systems Programme (TCSP) with the World Bank assistance, is establishing 15 new Technology Centres (Earlier known as Tool Room and Training Centers) at various parts of the country at an estimated project cost of Rs 2,200 crores. MSME Technology Centre Imphal is one of these 15 new TCs. This Technology Centre will be first for the state of Manipur and the whole North East with a focus on Aromatic and Medicinal plants, and a target of becoming a Centre of Excellence in Aromatic and Medicinal Plants in North East India.

The Foundation stone was laid by Shri Kalraj Mishra, the then Union Minister of MSME, Govt. of India, in the gracious presence of Shri Giriraj Singh, the then Minister of State MSME, Govt. of India, on April 9, 2016, with FFDC Kannauj to serve as mentor TC. The government of Manipur has allotted 5 acres of land at Food Park, Nilakuthi, Imphal East District, to establish the Centre, with a state-of-the-art infrastructure. Overall, the Centre at Imphal will have administrative building, quality assessment laboratory, facilities for processing and value addition of medicinal plants and essential oils, training hall, hostel and herbal garden etc. MSME TC Imphal has been registered under section 7(1) of Manipur Societies registration Act, 1989 (Manipur Act. No 1 of 1990) on 5<sup>th</sup> September, 2018.

MSME TC Imphal is in advanced stage of establishment to provide end-to-end technical support: Agrotechnology – Market linkage with a focus on Medicinal and Aromatic plants (MAPs) for transforming job seekers into job givers utilizing locally available bioresources in the form of MAPs. Apart from this, the MSME TC Imphal will also work to serve, sustain and upgrade the status of farmers and industry engaged in the aromatic and medicinal plant cultivation, its processing and value addition so as to make them competitive both in the local and global market.

## FOCUS AREA

### 1. Innovation & Development Centre

Cultivation Support  
Fragrance And Flavour Development  
Process Advisory  
Tissue Culture Lab  
Business Incubation

### 3. Quality Testing & Assurance

Measure & Analysis of Essential Oil Content  
Physical Analysis  
Chemical Composition  
Instrumental Analysis  
Other Analysis

### 5. Training

Cultivation, Processing & Marketing  
Value Addition  
Quality Testing & Assurance  
Entrepreneurship  
Development

### 2. Process & Value Addition

Distillation  
Solvent Extraction  
Fractionation  
Stevia Extraction

### 4. Packing & Marketing

Packing  
Certification  
Market linkage

## SKILL DEVELOPMENT & SERVICES

- Skill development
- Employment generation
- Designing of import substitute products
- Catalyst for Institute for Entrepreneurship development
- Research and Development
- Innovation on value addition
- Upgradation of existing Industries
- Multiplication of growth development
- Training requirements
- Testing requirements
- Consultancy requirements
- Knowledge into wealth thereby creating employment
- Waste into wealth
- NE as a potential hub for Aroma Industry
- Hub and spoke model with existing LBIs for effective last-mile delivery
- Potential crop
- Technological guidance
- Handholding support in improving the technologies of existing entrepreneurs
- R & D and technology for waste management

