

Call for Innovators

The United Nations Environment Programme (UNEP), India Country Office, in consultation with the Ministry of Textiles, the Government of India has conceptualized a study on minimizing the negative environmental impacts of textile hubs in India, with the aim of developing a '**Roadmap for a Sustainable Textile Hub in India**'. As part of this collaborative initiative with UNEP on Roadmap 2030, Centre for Environment Education (CEE), in partnership with World Resources Institute (WRI) India and the Institute for Sustainable Communities (ISC) as Knowledge Partners, is organizing a **Textile Innovation Mela, on 21st November 2022, Wednesday (1000 -1800hrs)**, in Surat. The mela aims to foster a dialogue between industry leaders and innovators/start-ups to facilitate the adoption of sustainable practices in the Surat Textile Cluster. The primary objective of this interaction is to create synergies in order to assist the industry in adopting sustainable and circular approaches to production to achieve the goals laid out in Roadmap 2030.

We invite innovators to submit their applications for the Innovation Mela. The applications are invited under five categories, namely Air Quality Improvement, Energy Efficiency, Solid Waste, Waste Water Treatment, and Renewable Energy. Please refer to Annex 1 for an indicative list of technologies. At least 30 innovators would be shortlisted for exhibiting at the mela. Curation of the Innovators would be done jointly by WRI India, ISC, and CEE. It would be ensured that there is an even distribution of Innovators in the different categories mentioned above. The innovators would be provided a prefabricated stall with basic amenities.

Innovators may submit their applications here: <https://tinyurl.com/texmela2022>

Timelines and Submission:

Last Date for Submission of Application	05 th October 2022
Announcement of Selected Applicants	08 th November 2022
Confirmation from Innovators	12 th November 2022
Innovation Mela	21 st November 2022, Surat, Gujarat

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Annex 1: Technology assessment and requirement:

The technologies are categorized into 5 sections. The technologies are not limited to the following list.

I. Air Quality Improvement

- Indoor Air Purification Systems
- Stenter Vent Systems
- APCDs
- Outdoor Air Purification Systems
- Monitoring devices for boilers (air levels)
- Temperature Indicator Control
- Auto blowdown systems for boilers
- Monitoring instruments and control systems
- Online flue gas monitoring system
- Automatic oxygen trim system

II. Energy Efficiency

- Fluidized Bed Combustion Boilers
- Electric Boilers (<2TPH)
- Insulation for steam distribution systems
- Waste heat recovery systems
- High Pressure Hot Water Generators
- Co-generation System
- Condensate for Steam Lines
- Tri-generation Micro Turbine
- Automatic Power Factor Correction System
- Energy Efficient Pumps and Motors
- Energy Efficient Lightings

III. Solid Waste

- ETP-CETP Sludge reduction technologies
- Sludge co-processing
- Waste-to-Energy
- Textile Waste Recycling/Upcycling

IV. Waste Water Treatment

- Technologies for effluent treatment
- Internal Water Recycling Technologies
- Cleaner Chemicals
- Chemical Management Systems
- Computer-based dye dosing system
- Advancement in Saflina machine
- EWHA Stenter machine
- Soft flow dyeing machine
- Ultrasonic/ Microwave Dyeing
- Salt less Dyeing
- Waterless dyeing
- Cold Pad Batch Dyeing
- Digital printing

V. Renewable technology

- Solar Thermal Energy (PV system)
- Hybrid Solar Wind Technology
- Alternative fuel for boiler

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