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V. P. J. J. J. J. J.
19/1/2022

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF SCIENCE & TECHNOLOGY

2nd CALL FOR PROPOSALS
TO ESTABLISH
TECHNOLOGY ENABLING CENTRES (TEC) IN UNIVERSITY SYSTEM

Academia is the prime resource in any country for generating new knowledge and its conversion to wealth. However, absence of effective institutional mechanisms in academia for translating R&D output into technological wealth is a big impediment. TDT Division has been implementing Technology related programmes since the inception of DST. Its success in terms of indigenous technology development has been satisfactory; however, the contribution to this from the University system is yet to be optimized. It has been deliberated several times on institutionalizing industry academia interaction, wherein creation of an enabling ecosystem has always emerged as an issue remaining to be effectively tackled.

Establishment of Technology Enabling Centres (TEC) in the University System is a step forward in this direction.

The objective of TEC will be **to create an Ecosystem** for Technology Development in the Universities and to provide a platform to network researchers with other Institutes, National laboratories and Industry. **The focus of Centres will be on providing an enabling eco system, process and support system for technology development, deployment and diffusion.**

Initially TECs will be supported for period of three years with a maximum support of upto 1 crore per year. The progress of Centres will be monitored every six months for two years and annually later. The Centres will be evaluated after three years for continuity and may be further extended for two years depending upon their performance. The proposed mandate, activities, evaluation criteria will be periodically reviewed & modified while evaluating the performance of TEC to have a dynamic program.

TEC is not a departmental/individual PI based activity. Ownership of TEC lies with the VC of University and VC is expected to defend the proposal for TEC before the DST's expert committee.

DST had already established 11 TECs through the first call (Kerala: Amrita University, Odisha: KIIT University, Karnataka: NITTE University, Maharashtra: SP Pune University, Telangana: University of Hyderabad, Uttar Pradesh: Amity University, Tamilnadu: Anna University, Punjab: Punjab University, Chitkara University, Assam: Tezpur University, Mizoram: Mizoram University). DST is now planning to establish 6 to 8 more TECs in Indian Universities through the second call and preference may be given to the states which are not covered under the first call.



The criteria for selection of a University for establishing TEC may be patent awareness, IP holding, MoU or MoA with industry/clusters, availability of proof of concepts, ready prototypes, technology development/demonstration/deployment, incubator activity or other technology related activity as defined by the Committee.

The activities and outputs envisaged through TECs are:

- Mining of Technologies being developed at various labs/institutions in and around University and promoting them to technology commercialization level – Technology translation into commercialization
- Mapping of technology requirements of MSMEs in and around and matching with the expertise available for fruitful collaboration for product realization – Marketable product prototypes and feasibility of scale-up
- Evaluating maturity of the identified Technologies (Products/Process or both) for further development by associating appropriate expertise and facilitating required support - pilot-scale production for market entry
- To carry out the Market Study/Assessment of the Technologies for their Market Potential and Preparing reports etc. and form teams of relevant stakeholders to initiate technology development – Technology solutions
- To recommend the Pilot stage development & co-development of the technologies with established Institutions/Industries to make the Technology as Market ready product to DST – Potential products in the market in near future addressing national need
- Networking with various Technology Development Institutions & Labs for refining of the technologies – Facilitating design and development for commercial prototyping
- Periodic Workshops/Seminars in Collaboration with Industries – skill development through certification courses and suggestion for curriculum upgradation
- To bring out TEC Newsletter & Bulletin on Quarterly basis (outreach, promotion and awareness) covering the above activities.

The primary stakeholder in TECs will be faculty working in University. **TEC will not undertake any research activity per se.** DST will support the TECs to engage competent manpower co-terminus with the duration of support to pursue the proposed activities. TEC will not project technologies developed or commercialized in other programmes of the university or associated Institutions as their success. Its inputs to reach the next level in technology development and/or commercialization must be visible and credibly justified.

POINTS TO BE KEPT IN MIND WHILE SUBMITTING THE PROPOSALS

1. Proposals should be submitted **ONLY BY ONLINE MODE**

(<https://onlinedst.gov.in/>). Applicants should register as a PI in DST's Online Portal.

Registered PIs may get an option of “submit proposal”, under which calls are open. PIs



may download the Guidelines and Format under the division of “Technology Development and Transfer” followed by the scheme of “**Technology Enabling Centres**”.

2. The format of the application and the guidelines may be downloaded from <https://onlinedst.gov.in>
3. PI (Proposed TEC Coordinator) should have relevant experience (patents, prototype, technology demonstration, technology transfers etc.).
4. Activities, achievable milestones, time lines, justifiable budget requirement and engagement with prospective partners, sustenance plan beyond 5 years of DST support should be clearly spelled out
5. Financial support will be provided only for temporary staff salaries, consumables, domestic travel and other miscellaneous items. No support will be provided towards Buildings, International travel and for the routine scientific R & D.
6. The temporary manpower recruited for the TEC should be paid as per the guidelines of the Government of India. The posts which are not covered under the guidelines but permissible under projects at host institute will be considered on discretion of DST.
7. The quarterly deliverables should be clearly mentioned in the proposal in the form of a Gantt chart/ matrix.

For any queries related to call, please feel free to write to Dr. Anita Aggarwal, Scientist, TDT Division, DST (Email: anita.a@nic.in) or Dr. Krishna Kanth Pulicherla, Scientist, TDT Division, DST (Email: kkpulicherla.dst@gov.in).

Last Date of Proposal Submission: 31-01-2022