Government of India
Department of Scientific & Industrial Research
Ministry of Science & Technology
Access to Knowledge for Technology Development & Dissemination (A2K+) Studies

Call for Proposals

The Department of Scientific & Industrial Research (DSIR) invites proposals from *Public Funded bodies or institutions having a distinct legal entity, such as institutions of higher learnings in research and management, R&D institutions, Industry associations, chambers of commerce and industry, technical consultancy organizations, etc.* under the Access to Knowledge for Technology Development & Dissemination (A2K+) Studies programmee.

The objective of A2K+ Studies program is to support in emerging areas of technology aimed at providing useful information and knowledge base to industry, industry associations, academia, research institutions, consultants, entrepreneurs, research students and policy makers for doing any further work in these areas; to study and analyze the developments in the emerging technology areas and document the findings, leanings and outcomes for wider dissemination; and preparation of status reports on technologies from public funded institutions, that are ready for commercialization with a view to catalyze the translation of research output from institutions to market.

Proposals for studies are invited on the following topics:

- Use of AI in improving Trade Data Analytics
- Forecasting new and emerging technology sectors for enhancing exports
- Study of specific areas registering high failure rate of distribution transformers to analyse the cause of failure and suggest a solution to overcome this problem by applying IT technology and integrating it with metering solutions
- Best Earthing solutions for Single phase Transformer for dry soil conditions.
- In house used water treatment technologies/ techniques for cleaning water at home and reuse for non -potable, external uses
- Filter technology for air ventilation in central Air-conditioning Units in post COVID-19 scenario
- Development of new building materials using agro-industrial waste like PVC Waste, Municipal Waste, C&D waste, hospital waste, e-waste etc.
- Cost effective technology/ instrumentation development to detect water losses in water supply networks in the urban areas
- Trenchless technology for laying of sewers in busy urban areas without open cut trenches and with the minimum inconvenience to public
- Smart Waste Management - Development of cost effective technology/ instrumentation in waste management systems such as Sensor based bins, Sensor based automatic waste collection system through garbage chutes in residential buildings
- Developing a framework for assessing innovation readiness, research intensity, and technology resilience of firms
- Technology Foresight Studies on Advanced materials as the new technology horizons for the industry in the future
- Technology Foresight studies on Advanced manufacturing technologies for sustainable future
- Industries developing and leveraging emerging technologies as a part of their Covid 19 strategy
- Readiness and interest of organizations for adopting emerging technologies like AI and ML
- Sustainable design and materials
- Integrating AI, AR and VR in learning models and their impact
- Recycling of Dredging Material

SUBMISSION OF APPLICATIONS: The prescribed application format can be downloaded from the website: *http://dsir.gov.in/#files/12plan/a2k/a2ks.html*. The Applicants should submit five hard copies of the proposal duly signed + one soft copy [MS Word file and not a PDF file] through e-mail and by enclosing a pen drive to: Dr. Sujata Chaklanobis, Head(A2K+), Department of Scientific & Industrial Research, Ministry of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110 016. Email: priya@nic.in superscribing "CONFIDENTIAL, A2K+ Studies" on the document holder.

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