



Department of Science and Technology  
Ministry of Science and Technology  
Science and Engineering Research Council (SERC)

## **Call for Research Proposals**

### ***CONTINENTAL TROPICAL CONVERZENCE ZONE (CTCZ)***

The Science and Engineering Research Council (SERC), Department of Science and Technology, Government of India invite research and development (R&D) project proposals for undertaking challenging and innovative scientific research in Atmospheric Sciences, in particular the land-ocean-atmospheric interaction studies proposed under the Continental Tropical Convergence Zone (CTCZ) as part of the Indian Climate Research Programme. CTCZ is a broad-based multi-disciplinary science strategy offering the widest possible scope for investigation of all important physical, chemical, dynamical and other related processes of the monsoon over the Indian region.

This mega field experimental-cum-modelling study is focusing on the dynamics of the geosphere-biosphere interactions, cloud-aerosol interactions, regional hydrological features and their feed-back mechanism to the atmosphere during different epochs of the Indian monsoon. The CTCZ science plan describe some of the key scientific questions and necessity to obtain significant new observational datasets and ideas for model development towards evolving direct and indirect effects and their feedback mechanisms for understanding the regional climate / monsoon system. The implementation strategy includes (a) deployment of land-based, ocean-based and space-based observational systems, (b) data assimilation and analysis, and (c) modeling the atmospheric processes during the period 2009-2011. Request for a soft copy of the Science Plan or any further information can be obtained by Email to [psrao@nic.in](mailto:psrao@nic.in) or [psanjevarao@yahoo.com](mailto:psanjevarao@yahoo.com).

Innovative research proposals (15 copies) to meet the objectives of the CTCZ program may be submitted in the SERC prescribed format (<http://www.serc-dst.org>) to Dr. P. Sanjeeva Rao, Scientist-G, Department of Science and Technology, Technology Bhawan, New Mehrauli Road, New Delhi-110016. The CTCZ related proposals shall be considered at three months intervals until 31-12-2009 by the Department.