



Call for proposals under Collaborative Research Program

Development of multifaceted technologies in the chosen field of energy is the basic mandate of the 'Energy Technologies – ET' of NTPC. In line with the organizational Vision of becoming world-class by 2017, Energy Technologies has identified the following destinations:

1. Reduction in cost of generation
2. Efficiency and Environment harmony
3. Strengthening power delivery
4. Digital power
5. Global sustainability

Towards meeting these destinations, ET has been funding and supporting projects related to indigenous development of cutting Edge Technologies in the field of electric power, under its **Collaborative Research program**. While research has already been initiated in many areas such as Artificial neural network, Boiler modelling, Carbon sequestration, etc. through many leading Research and Academic institutions of India, the ongoing collaborative research program further seeks proposals from institutions and research organizations in the following thrust areas also.

1. Real time Turbine blades/rotor crack detection system
2. Online diagnostics for Transformers and Bushings
3. Development of Ceremics filters and Sorbents for IGCC
4. Design and development of Robots for Boiler inspections
5. Development of various cost effective sensors and EMATS for power plant applications
6. Development of sterling Engine.

The technologies, which are going to be developed within the centre will not only be deployed within NTPC projects, but also be made available for transfer to other agencies.

Technologists working in universities, research laboratories having adequate infrastructure to carry out the R&D work, could submit the project proposals to Energy Technologies. Expert group will review the proposals and their recommendation shall be taken into consideration for funding. Funding shall be done to these projects based on key deliverables.

Format for the submission of the proposals and any further information may be obtained from the office of Executive Director (Energy Technologies) at the following address.

Mailing address

Executive Director (Energy Technologies)
NPTC EOC, A-8A, Sector 24
Noida 201 301
Phone: +91-120-2410267
E-mail: prakashdirani@ntpc.co.in; pankajgupta@ntpc.co.in