

**Department of Biotechnology  
Ministry of Science and Technology  
Government of India**

**Call for Research and Development Proposals in Application of  
Biotechnology for Carbon Sequestration**

The Department of Biotechnology jointly with National Thermal Power Corporation Ltd is soliciting research and development proposals in application of biotechnology for carbon sequestration. Priority areas include:

- Carbon sequestration by plants and trees
- Carbon sequestration by microalgal–bacterial symbiotic system coupled with bicarbonate/carbonate precipitation
- Carbon sequestration by carbonic anhydrase
- Molecular biological approach for metabolic engineering to improve carbon sequestration
- Artificial photosynthesis
- Biomethanation for conversion of CO<sub>2</sub> to CH<sub>4</sub>
- Biodesulphurisation/biodenitrification of flue gas

Proposals with active industrial collaboration would be given priority.

The proposals would be considered for financial support on the basis of merit after being peer reviewed and considered by the Task Force on Environmental Biotechnology.

The format for application may be downloaded from the DBT websites: <http://www.dbtindia.nic.in/> <http://www.dbtindia.org>).

Twenty-five copies of the research and development proposal(s) as per the above format should reach the Director (Dr Suman Govil), Department of Biotechnology, Block-2, CGO Complex, Lodi Road, New Delhi 110 003, by **30 June 2005**.