

**Carbon Sequestration Regulatory Workshop**  
**Brisbane, November 7 2003**  
**Indian Message**

NTPC is the largest power utility in India with an installed capacity of over 21000 MW and it is expected that by 2017 we would be touching 56000 MW. NTPC is seriously interested in participating in the Carbon Sequestration Leadership Forum. Following thrust areas have been presently identified by NTPC in this respect:

1. Technology Tracking
  - i) Post combustion Capture
  - ii) Pre-Combustion Capture
  - iii) Various Sequestration Process
  - iv) Measurement, Monitoring and Verification Techniques.
  
2. Collaborative research
  - i) Pre-combustion - Coal gasification, Gas clean up and CO2 capture - Process/Techniques
  - ii) CO2 Sequestration
    - In terrestrial eco-system
    - Through Injection of CO2 in abandoned coal mines which have high potential for CBM, to increase Coal Bed Methane yield.
  - iii) Active participation in the 1 billion US \$, 275 MW integrated, Carbon Sequestration and Hydrogen Research initiative with zero emission of pollutants, proposed by the US Govt. for development by 2012.

Relevant Contact Details:

Mr. S.L.Kapur  
Director (Technical)  
National Thermal Power Corporation Ltd.  
NTPC Bhawan, Core 7, SCOPE Complex  
7, Institutional Area,  
Lodi Road  
New Delhi - 110003 (India)  
Fax. 91-11-24362421  
Telephone 91-11-24361536  
Email slkapur@ntpc.co.in