

UK – India

Sustainable Energy Technologies Network

Both the UK and India face significant energy challenges over the next decade. For India energy is an essential building block for economic development. To meet the demands of a developing nation, the Indian energy sector has witnessed a rapid growth however serious energy shortages continue to plague the country. In the UK, energy is essential in almost every aspect of our lives and for the success of the economy. To tackle climate change and ensure security of supply both countries need to accelerate the move to a low-carbon energy supply.

The UK-India Sustainable Energy Technologies Network was established to enable a step-change in collaborative research activity between the UK and India to build an interdisciplinary, multinational energy research centre.

Initial partners of the network are the UK Midlands Energy Consortium and Indian partners: The National Environmental Engineering Research Institute, Nagpur; The Centre for Sustainable Technology, Indian Institute of Science, Bangalore, The World Institute of Sustainable Energy, Pune and Indian Institute of Technology, Mumbai.

Through this initiative new collaborations will be formed resulting in bilateral research programmes delivering technological advances which result in material improvement in the lives of both people in India and the UK.

Thus far, we have held fact finding missions, face to face meetings, tours of facilities, and networking events to promote better understanding of on-going research activities. These are being used to establish areas where collaborative research will add value. This sharing of expertise and state-of-the-art facilities, possibly not previously available to both the UK and Indian partners, will accelerate progress beyond that achievable in isolation.

Initially we will build upon the core research areas of our partners:

- Large Scale power generation
- Carbon capture and storage
- Plant Efficiency
- Biomass co-firing
- Hydrogen and pyrolytic carbon from biomass
- Biomass to liquid / gas fuel technologies
- Small scale energy applications
- Small scale alternative energy technologies
- Societal and economic assessment



For further information about the Midlands Energy Consortium please contact Dr Helen Fletcher E: H.Fletcher@lboro.ac.uk