

International exposure will help NTPC to improve its capabilities and help setting new benchmark for itself. This will help NTPC improve upon its domestic performance level and thus benefit the Indian power sector.

Investments in the South Asian Association for Regional Cooperation (SAARC) region provides an immediate opportunity for NTPC to set its global footprint and thus opening up further opportunities for NTPC's overseas consultancy business.

#### **Renovation of old power plants**

3354. SHRI A. ELAVARASAN: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that Japan Coal Energy (J. Coal) has signed an agreement with Government for the renovation and maintenance of old and inefficient power plants to reduce carbon emissions;

(b) if so, the details thereof;

(c) whether any MoU has been signed between Central Electricity Authority and J. Coal in this regard;

(d) whether the proposed scheme is a part of Government's efforts to burn coal cleanly; and

(e) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) to (e) Government of India has conveyed approval to Central Electricity Authority (CEA) for signing of a MOU with Japan Coal Energy Center (J. Coal) on Preliminary Study of Efficiency and Environmental Improvement of Coal Fired Power Station to carryout necessary diagnostic activities for few candidate coal fired power plants pertaining to Energy Efficient Renovation and Modernization works and finding out measures to overcome barriers for promoting Renovation and Modernization (R&M), towards carrying out efficiency and environmental improvement of coal-fired power plants in India.

#### **Use of LEDs**

3355. SHRI B.K. HARIPRASAD: Will the Minister of POWER be pleased to state:

(a) whether the Oil and Natural Gas Commission Energy Trust is going to set up a solid-state light emitting diode (LEDs) project for substantial savings of power used for lighting, to a tenth of its current consumption;

(b) whether Compact Fluorescent Lamps (CFLs) have already been put in place of conventional incandescent lamps and if so, whether any subsidy is being given for switching over from conventional bulbs to CFLs;

(c) whether the Bureau of Energy Efficiency has set up demonstration projects for LEDs across 23 States for providing LEDs in villages or such projects for street lighting; and