

**GOVERNMENT OF INDIA  
ENVIRONMENT AND FORESTS  
LOK SABHA**

UNSTARRED QUESTION NO:2007  
ANSWERED ON:19.08.2013  
CARBON EMISSION BY THERMAL POWER PLANTS  
Anuragi Shri Ghansyam ;Jakhar Shri Badri Ram

**Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:**

- (a) whether the power sector is responsible for the 60 per cent of carbon emission in total;
- (b) the percentage of share of carbon emission produced by the country in global emission at present;
- (c) whether the Government propose to promote solar energy, wind energy and green energy in place of thermal power plants;
- (d) if so, the steps taken by the Government in this regard;
- (e) whether the Government proposes to conserve environment by conducting research in clean energy; and
- (f) if so, the details thereof along with the measures taken by the Government in this regard?

**Answer**

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT AND FORESTS (SHRIMATI JAYANTHI NATARAJAN)

(a) No,

(b) The data collected for the United Nations by the United States Department of Energy's Carbon Dioxide Information Analysis Center (CDIAC), indicates that the percentage of total annual CO<sub>2</sub> emissions by India is 5.83% of the global CO<sub>2</sub> emissions in the year 2008.

(c) and (d) The Jawaharlal Nehru National Solar Mission has been launched on January 11, 2010 under the National Action Plan on Climate Change (NAPCC) which aims to install solar technologies capacity of 20,000 MW by the end of the 13th Five Year Plan. The 12th Five Year Plan has identified renewable energy, especially wind energy and solar energy as potentially promising alternatives to conventional fossil fuel-based electric power.

(e) and (f) A 'National Clean Energy Fund (NCEF)' under Ministry of Finance has been established by the Government in 2011 to invest in entrepreneurial ventures and funding research and innovative projects in clean energy technologies. Indigenous efforts are also being made to develop Integrated Gasification Combined Cycle (IGCC) technology and Advanced Ultra Supercritical Technology (Clean Coal technology).