**GOVERNMENT OF INDIA**
**MINISTRY OF SCIENCE AND TECHNOLOGY**
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**
**LOK SABHA**
**UNSTARRED QUESTION NO.3988**
**TO BE ANSWERED ON 23/12/2015**

# RESEARCH ON SEQUESTRATION

**3988. SHRI HARISHCHANDRA CHAVAN:**

**ADV. JOICE GEORGE:**

**Will the Minister of SCIENCE AND TECHNOLOGY** विज्ञान और प्रौद्योगिकी मंत्री **be pleased to state:**

**(a) whether the Government proposes to give thrust to carbon sequestration research through Governmental support;**

**(b) if so, the steps taken by the Government to accelerate pace of work in this regard;**

**(c) whether the Government proposes to improve rural livelihoods through this research by adopting environment friendly technology based agro-forestry practices;**

**(d) if so, the details thereof;**

**(e) whether the Government has received international funding/support in this regard and if so, the details thereof during each of the last three years and the current year; and**

**(f) whether in India, the energy sector is the largest emitter of Carbon-dioxide and if so, the strategy adopted by the Government for reduction of Carbon-dioxide in energy sector?**

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES**
**(SHRI.Y. S. CHOWDARY)**

विज्ञान और प्रौद्योगिकी मंत्रालय में राज्य मंत्री और पृथ्वी विज्ञान मंत्रालय में राज्य मंत्री

(श्री वाई. एस. चौधरी)

**(a) & (b): Yes, Madam. National Programme on $CO_2$ sequestration research was launched in 2007 by the Department of Science & Technology (DST), Government of India as a national initiative to promote and support R& D in areas of carbon sequestration in the country. So far, 120 projects have been supported in various academic and R & D institutions in the country.**

**(c) No, Madam.**

**(d) Does not arise.**

**(e) No, Madam.**

**(f) Government of India has taken various measures such as installation of supercritical coal based units to reduce Carbon Dioxide emission from coal based power plants, enhance hydro power and renewable, and retire inefficient power plants. There has been a reduction of $CO_2$ emission per unit of electricity generation in recent years. Although the total $CO_2$ emissions are increasing due to large capacity addition of coal based plants in the country, the specific $CO_2$ emissions from these plants are showing a decreasing trend due to adoption of more efficient generation technologies. In addition, there are several initiatives taken by Bureau of Energy Efficiency, Ministry of Power for energy conservation resulting in reduction of carbon-dioxide emission.**

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