

**GOVERNMENT OF INDIA  
SCIENCE AND TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:2113  
ANSWERED ON:02.12.2009  
TECHNOLOGY FOR CONVERTING CARBON INTO LIQUID  
Sardinha Shri Francisco

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether any technology has been developed recently for converting Carbon Di-oxide into liquid and passing it into the earth;
- (b) if so, the details thereof alongwith the benefits and implications of the technology to the environment;
- (c) whether the Council of Scientific and Industrial Research (CSIR) has engaged in any research in this regard?
- (d) if so, the details thereof; and
- (e) if not, the steps proposed to be taken in this regard?

**Answer**

MINISTER OF THE STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF SCIENCE AND TECHNOLOGY; MINISTER OF THE STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF EARTH SCIENCES; MINISTER OF THE STATE IN THE PRIME MINISTER'S OFFICE; MINISTER OF THE STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS; AND MINISTER OF THE STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (PRITHVIRAJ CHAVAN)

(a) to (e): No, Madam. However, since 2007, the Department of Science and Technology has initiated a national programme on Carbon Sequestration Research so as to compete with other countries in this emerging and strategic area from the perspective of pure/applied research vis-À-vis the requirements of Technology Development and Demonstration and its industrial applications in the important sectors of economy such as power, coal mining and utilization, carbon capture and storage technologies. The present effort addresses CO<sub>2</sub> sequestration through Micro algae Bio-fixation techniques; carbon capture process development, policy development studies and network terrestrial agro-forestry sequestration modeling. Similarly, Council of Scientific & Industrial Research (CSIR) is engaged in CO<sub>2</sub> sequestration and some laboratory scale experiments have been carried out in this area.