

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

UNSTARRED QUESTION NO:4103  
ANSWERED ON:05.09.2012  
PROMOTION OF JOINT RESEARCH  
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**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether India and Canada have agreed for collaborative projects to promote joint research in areas like alternative energy, information technology, environment and technology, earth sciences, etc;
- (b) if so, the details thereof;
- (c) the agencies of both the countries which propose to execute each of such projects; and
- (d) the extent to which India and Canada are likely to be benefited from each of such projects?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF PLANNING; MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (ASHWANI KUMAR)

(a) Yes, Madam. Ministry of Science and Technology, Government of India, and Department of Foreign Affairs and International Trade, Canada, have agreed to undertake collaborative projects to promote joint research in areas like alternative energy, IT, environment technology, earth sciences etc. under Inter Governmental S&T Cooperation Agreement signed on 18th November, 2005.

(b) Presently 4 projects in areas of Information & Communication Technology, Alternate Energy & Sustainable Environmental Technologies and Earth Sciences are being jointly supported.

(c) Department of Science & Technology and Department of Foreign Affairs and International Trade are the implementing agencies from Indian and Canadian sides respectively. Institutions/industries partners executing these proposals on both sides are as follows:

S No Project Title Indian Partner(s) Canadian Partner(s)

1. Design and Development of an Aircraft Integrated Development Environment Tool for a New Generation Regional Transport Aircraft. - National Aerospace Laboratories, Bangalore - CAE Inc, Montreal, Quebec

2 Creating the Next Generation of Interoperable GeoPortal (iGP) Solution for the emerging Spatial Data Infrastructure (SDI) market. - Jawaharlal Nehru Technological University, Hyderabad - CubeWerx Inc., Gatineau, QC - Infotech Geospatial Enterprises Limited, Hyderabad

3 Application of Biofuels for Aviation - Indian Institute of Petroleum, Dehradun - Pratt & Whitney Canada, Longueuil, Quebec - Indian Institute of Science, Bangalore - Laval University, Quebec City, Quebec - IIT, Kanpur - McGill University, Montreal, Quebec - Indian Oil Corporation Ltd, Faridabad - Ryerson University, Toronto, Ontario - Hindustan Petroleum Corporation Ltd., Mumbai - National Research - Infotech Enterprises Limited, Hyderabad - Council of Canada - Institute for Aerospace Research Ottawa, Ontario

4 Indigenization of Broadband over Power Line Technology to Connect Adjoining Villages in India using - Indian Institute of Technology - Corinex Communications, Vancouver, BC - Maple Leaf India

(d) Both countries are likely to be benefitted by way of gaining new knowledge, development of novel concepts and joint research publication & patents through implementation of these projects.