

# Status of Scientific Cooperation with Israel

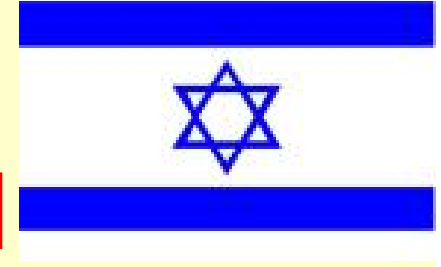


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# Status of Scientific Cooperation with Israel



# **INDO-ISRAEL S&T COOPERATION**



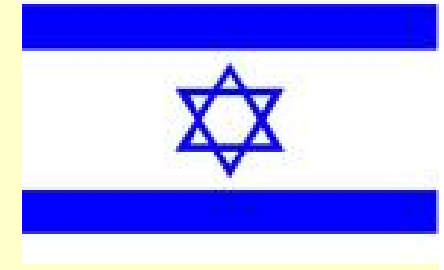
**India-Israel Intergovernmental Agreement on Cooperation in Science & Technology was signed on 17th May, 1993.**

## **Modes of Cooperation :**

- **Exchange of scientists/ researchers/ technical personnel and experts**
- **Joint Research Project**
- **Joint workshops/ seminars/ symposia**
- **Participation in conferences/ seminars/ other scientific meetings by invitation**
- **Exchange of research results/ publications/ scientific and technical information**



# **INDO-ISRAEL S&T COOPERATION**

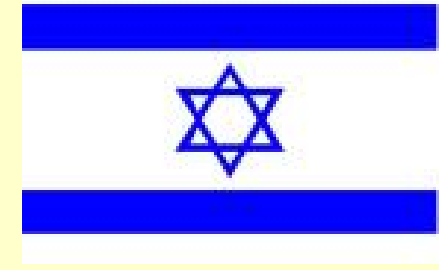


**An Indo-Israel Joint Committee of Scientists was constituted to implement the programmes under the Agreement. Till date six meetings have been held so far.**

<b>First meeting</b>	<b>8-9 May 1994</b>	<b>New Delhi</b>
<b>Second meeting</b>	<b>9-13 July 1995</b>	<b>Jerusalem</b>
<b>Third meeting</b>	<b>27 October 1997</b>	<b>New Delhi</b>
<b>Fourth meeting</b>	<b>3 November 1999</b>	<b>Jerusalem</b>
<b>Fifth meeting</b>	<b>31 October 2002</b>	<b>New Delhi</b>
<b>Sixth meeting</b>	<b>28 July 2004</b>	<b>Jerusalem</b>



# **INDO-ISRAEL S&T COOPERATION**

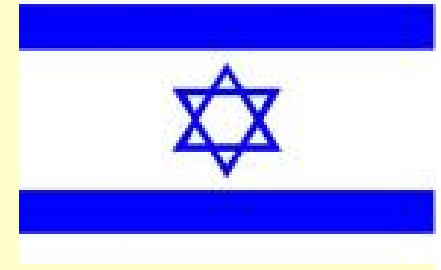


**First Working Programme of Cooperation in S&T giving the administrative and financial arrangement was signed in August 1996.**

- **Nodal Agencies for implementation :**
- **Department of Science & Technology, Ministry of Science & Technology, Government of India**
- **Ministry of Science, Government of Israel**
- **Subsequently three periodic Work Programmes were signed with the latest being signed in July 2004.**



# **INDO-ISRAEL S&T COOPERATION**



**Modes of cooperation identified under the Working programme:-**

- **Joint Research Projects**
- **Exchange visit of scientists**
- **Organization of joint symposia, seminars, conferences**
- **Exploratory visits**

**Subject areas for cooperation :-**

- **Agricultural and Medical Biotechnology**
- **Advanced Materials**
- **Nanotechnology**
- **Communication Information Technology**
- **Lasers & Electro-optics**



# INDO-ISRAEL S&T COOPERATION



## Progress of Activities :-

The progress of activities under the programme is summarized below :-

### a) No. of Joint Research Projects

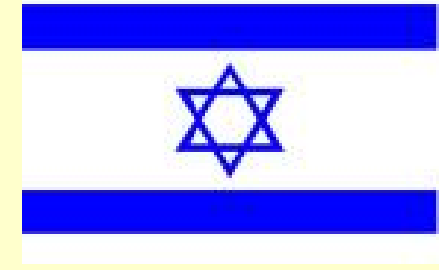
Subject/Year	1995	1996	1997	2000	2003 (on going)	Total
Agricultural Biotechnology	3	3	3	-	-	9
Advanced Materials	3	-	4	-	-	7
Lasers & Electro-optics	-	-	4	-	-	4
Information Technology	-	-	2	-	-	2
Human Genome/Genomics	-	-	-	6	9	15
<b>Total</b>	<b>6</b>	<b>3</b>	<b>13</b>	<b>6</b>	<b>9</b>	<b>37</b>

b) No. of Joint Seminars/Conferences Organized: 10 (5 each in India and Israel)

c) Visits of Scientists: About 90 visits of scientists have taken place in total from India and Israel for joint research work, workshops, exploratory and information exchange.



# INDO-ISRAEL S&T COOPERATION



A joint Call for Proposals for Joint projects for 2005 was issued in India and Israel. 72 projects proposals were received.

## **AREAS :**

### ***AGRICULTURAL AND MEDICAL BIOTECHNOLOGY***

Genomics and proteomics for human diseases treatment

Genomics, proteomics and metabolomics for crop improvement  
(including resistance to biotic and abiotic stress)

### ***NANOTECHNOLOGY***

Optical interactions, diagnostics and manipulation of nano-particles/structures

Novel nano-structures using biological entities as building blocks

Self assembly of nano-structures for complex electrical/photonics systems

### ***ADVANCED MATERIALS***

Micro- and nano-materials

Functional materials

Polymer and composite materials



# INDIA-ISRAEL INDUSTRIAL RESEARCH AND DEVELOPMENT COOPERATION INITIATIVE

**A Memorandum of Understanding on Industrial Research and Development Initiative Between Department of Science & Technology, Ministry of Science & Technology, Government of the Republic of India and the Ministry of Industry, Trade & Labor, Government of the State of Israel was signed on May 30, 2005 in Israel, by H.E. Shri Kapil Sibal, Minister of State (Independent Charge), Science & Technology, and Ocean Development, Government of India and H.E. Mr. Ehud Olemart, Vice Prime Minister and Minister of Industry, Trade and Labour, Government of Israel,**

- The main objective is to establish an India-Israel Industrial R&D Cooperation Initiative (IIRDCI) to support approved joint industrial R&D Projects between entities from the two countries leading to commercialization.
- The IIRDCI will support projects of Industrial R&D aimed at the development of products or processes to be commercialized in the global market, involving at least one industrial partner each from India and Israel,
- A Joint Committee will be established to approve, review and monitor the projects.
- Arrangements for the ownership and use of information and intellectual property to be created in the course of the project. It shall be the responsibility of the Participating industries/ institutions to safeguard their own interests.

FOR FURTHER DETAILS VISIT

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**THANK YOU**