



## ASEAN-India Science & Technology Development Fund (AISTDF)

### ASEAN-India collaborative R&D program

## CALL FOR RESEARCH PROPOSALS

#### General Description

India has been the dialogue partner for ASEAN (Association of South East Asian Nations) since 1992. In 2012, on the occasion of 20<sup>th</sup> anniversary as dialogue partner, India-ASEAN celebrated commemorative Summit and declared enhancement of its relations to strategic level.

India S&T Collaboration started formally in 1996 with establishment of ASEAN India S&T working Group (AIWGST). Initially, the collaborative ASEAN-India S&T activities were supported through ASEAN India Fund (AIF). In 2008, Government of India established a dedicated fund viz ASEAN India S&T Development Fund (AISTDF) to support R&D projects and associated project development activities. The total budget of AISTDF is an equivalent amount of 5 Million USD in INR. This amount of 5 Million USD is jointly shared by Ministry of External Affairs (MEA) and Department of Science & Technology (DST). The Department of Science & Technology is the nodal Department for execution and implementation of ASEAN-India S&T Cooperation program from Indian side.

The Plan of Action of the ASEAN-INDIA PARTNERSHIP FOR PEACE, PROGRESS AND SHARED PROSPERITY (2016-2020), implements the goals and objectives of the ASEAN-India Partnership for Peace, Progress and Shared Prosperity on 30 November 2004 in Vientiane, Lao PDR, and the Vision Statement of the ASEAN-India Commemorative Summit, adopted by the Leaders of ASEAN and India on 20 December 2012 in New Delhi, India. Through the implementation of this Plan of Action, ASEAN and India will work towards supporting the ASEAN Community building and integration process, including the ASEAN Community's Post-2015 Vision, for a politically cohesive, economically integrated, socially responsible and a truly people-oriented, people-centered and rules-based ASEAN, narrowing the development gap and enhancing ASEAN Connectivity. Both sides will also further promote cooperation in addressing common and emerging challenges and enhance coordination in other international fora on issues of common concern to contribute to overall peace, stability and prosperity.

The main objectives of ASEAN-India Science, Technology and Innovation cooperation are based on following principles-

- Encourage and promote cooperation in science, technology and innovation, including through joint research activity, and development on cross-sectoral areas such as health, communicable and emerging infectious diseases, environmental management, climate change adaptation and mitigation measures, agricultural technologies, alternative energy, biodiversity, food processing, advanced materials for development of value-added products, and space technology and applications;
- Encourage and promote cooperation in biotechnology including through capacity building and joint research and development for mutual benefit;

	<ul style="list-style-type: none"> <li>▪ Undertake activities and develop program / projects under the ASEAN-India Science and Technology Development Fund;</li> </ul> <p>In order to support collaborative Research &amp; Development (R&amp;D) and to facilitate sharing of advance research facilities among researchers of ASEAN MS and India, India and ASEAN agrees to institute the scheme “ASEAN-India Collaborative R&amp;D Program.</p> <p>The following types of proposals <b>shall not</b> be considered:</p> <ul style="list-style-type: none"> <li>• Applicants who have an existing collaborative project which already covers travel and living expenses;</li> <li>• Purely individual visits / training programme;</li> <li>• Organisation of Seminars / Workshops or participation in a Conference / Congress.</li> </ul>
<b>Priority research areas</b>	All disciplines of natural sciences, medicine, health, Mathematics, electronics & IT, science & technology (social sciences & humanities are not covered). <b>The research areas should be ASEAN centric and be aligned with the ASEAN Plan of Action on Science, Technology and Innovation 2016-2025 (copy attached at Appendix-I)</b>
<b>Goals</b>	<ul style="list-style-type: none"> <li>• To intensify interaction and scientific cooperation between Indian and ASEAN scientists / institutions</li> <li>• To connect existing but separately funded research projects in India and ASEAN MS</li> <li>• To enhance academic training and development of young scholars</li> </ul>
<b>Project duration</b>	24-36 months (No extension with or without additional cost beyond 3 years duration of the project)
<b>Eligibility</b>	<p>Scientists with an appointment as a faculty member at an eligible Indian/ASEAN MS institution can apply as Principal Investigator (PI). The appointment of the PI must last at least until the end of the project. Additionally to project may include at least one PhD student or postdoctoral scientist on each side. The total number of participants on each side should not exceed two.</p> <p><b>Eligible institutions in India:</b> Universities, Publicly Funded Research Institutes and Labs and educational /academic Research Institutes.</p> <p><b>Eligible institutions in ASEAN MS:</b> All Research Institutions, Universities, other Research and Academic Institutions which are eligible to receive funding through ASEAN are eligible for receiving funding under AISTDF.</p>
<b>Grant information</b>	<p>The funds under AISTDF are available only in INR. Therefore budget / funds must be projected only in Indian rupee in accordance with following guidelines-</p> <ol style="list-style-type: none"> <li>(1) The total grant as recommended by the Evaluation Committee and approved by the Governing Council of the AISTDF shall be released and placed at the disposal of lead Indian Institute in INR.</li> <li>(2) Generally, the funds shall be provided to support mobility of researchers from India to partnering ASEAN MS and vice versa. However, some incremental funding ie salary for scientific manpower (One JRF/SRF/RA/Post-doc etc), accessories and minor component, add-ons to existing equipment (up to Rs. 0.5 Million INR); chemicals and consumables (up to Rs 0.3 Million per year) <u>shall be supported to Indian lead project Investigator.</u></li> <li>(3) General norms to support mobility of project participants shall be support as per following financial norms- <ul style="list-style-type: none"> <li>• International airfare by lowest economy class from place of work in sending country to the place of work in receiving country including visa fees, overseas medical insurance, domestic travel related to international travel etc</li> </ul> </li> </ol>

	<ul style="list-style-type: none"> <li>The living expenses (local hospitality) for staying in respective visiting country (India to partnering ASEAN MS and vice versa) shall be supported as below- <ul style="list-style-type: none"> <li>Rs. 6,000/- per day (all inclusive) for senior researcher (ph.d degree holders and in regular positions at respective Institute/University etc)</li> <li>Rs. 5,000/- per day (all inclusive) for junior researcher (ph.d students and post docs)</li> </ul> </li> </ul>
<b>Number &amp; duration of visits under the project</b>	<ul style="list-style-type: none"> <li>International Travel related expenses and living costs (loading, boarding, airport transfers etc for up to 3 visits from each partner country researchers spread over the project duration of up to 3 years can be requested.</li> <li>Visits of up to 21 days for senior scientists and visits of up to 60 days for young scientists (PhD, post-doctoral students) will be supported.</li> <li>A participant from either side will be allowed only one visit per year of the project.</li> </ul>
<b>Submission</b>	<p>Applications must be prepared <u>jointly</u> by the Indian and ASEAN MS partner scientists and <u>must be submitted in India and ASEAN Secretariat simultaneously</u>.</p> <p><b>Submission at ASEAN Secretariat:</b> An electronic copy of the completed joint application form be submitted to:</p> <p>Dr (Ms) Cheong Lee Sing, Senior Officer, Science and Technology Division Sectoral Development Directorate, ASEAN Economic Community (AEC) Department ASEAN Secretariat   70 A Jalan Sisingamangaraja   Jakarta 12110 Indonesia Tel. (62 21) 724-3372, 726-2991 Ext. 210   Fax (62 21) 739-8234, 724-3504 <a href="mailto:leesing.cheong@asean.org">leesing.cheong@asean.org</a></p> <p><b>Submission in India:</b></p> <p>Indian applicants to submit only ONE original copy of the completed joint application form, along with an electronic copy in a single soft file in ms-word or pdf format as an email attachment, to:</p> <p>Mr. R.K. Sharma Scientist-E(Director Grade) International Multilateral &amp; Regional Cooperation Division R.No-18 D, Technology Bhavan, Dept. of Science and Technology New Mehrauli Road, New Delhi - 110 016 Email: <a href="mailto:sharma_rk@nic.in">sharma_rk@nic.in</a></p> <p>The original copy must be signed by the Indian PI and Head of the Institute/University (written signature) and the ASEAN applicants (electronic signature).</p>
<b>Application deadline</b>	<p>There is no specific deadline for submitting the project proposals. The completed joint applications can be submitted to ASEAN Secretariat and DST during any time of the year. However, the technical evaluation and other formal processing of the proposals shall start wef 1<sup>st</sup> January, 1<sup>st</sup> April, 1<sup>st</sup> July, 1<sup>st</sup> October for the proposals received during preceding quarter of each year.</p> <p>Incomplete and proposals not formulated as per guidelines of the announcement shall not be considered.</p>
<b>Evaluation and selection</b>	<p>The project proposals / applications will be evaluated independently by ASEAN COST and DST India. From ASEAN Side, applications will be considered and recommended by ASEAN-COST. In India, applications will be considered by DST.</p> <p><b>Evaluation criteria:</b> (not listed in the order of priority)</p> <ul style="list-style-type: none"> <li>Added value of the visits for ongoing research on both sides</li> </ul>

	<ul style="list-style-type: none"> <li>• Scientific and technological merit of the proposed exchange activities and of the anticipated outcomes</li> <li>• Feasibility of proposed approach</li> <li>• Expertise and complementarities of the two laboratories/institutes</li> <li>• Qualifications and experience of applicants</li> <li>• Opportunities for training and development of young researchers</li> <li>• Benefits of the proposed activities for the establishment of research partnerships and institutional links between ASEAN MS and India</li> <li>• Potential for follow-on collaborative activities</li> </ul> <p>The final results shall be notified by DST to the Indian applicants. The final decision /results shall be announced within 4 months of submission the application/project proposals to DST and ASEAN Secretariat.</p>
<b>Reporting</b>	Grant recipients will have to submit a scientific and financial report after each year of the project to DST.
<b>Contact</b>	<p>For any further information and/or questions, please contact:</p> <p><b>In ASEAN</b>  Dr (Ms) Cheong Lee Sing, Senior Officer,  Science and Technology Division  ASEAN Economic Community (AEC) Department  ASEAN Secretariat   70 A Jalan Sisingamangaraja   Jakarta 12110 Indonesia  Tel. (62 21) 724-3372, 726-2991 Ext. 210   Fax (62 21) 739-8234, 724-3504  email: leesing.cheong@asean.org</p> <p><b>In India</b>  Mr. R.K. Sharma, Scientist-E (Director Grade)  International Multilateral &amp; Regional Cooperation Division,  R.No-18 D, Technology Bhavan,  Departemnt of Science &amp; Technology (Govt of India)  Technology Bhavan, New Meharuli Road, NEW DELHI-110022  Tel: 011-26590244; 011-26597976,  email: sharma_rk@nic.in)</p>

**GENERAL GUIDELINES/ INFORMATION**

1. The project would necessarily have to be developed jointly by the scientists/ researchers in India and ASEAN MS, and duly forwarded by the Heads of the respective institutions.
2. The project team must comprise of a Project Investigator from India and Co-PI from at least 2 different ASEAN MS.
3. The maximum number of project participants from each country must be only two (preferably one senior and one junior researcher ie ph.d student/post-doc)
4. Only one visit per year from each participating country is permitted under this scheme to visit each participating country by Indian researchers where as ASEAN project participant to visit India. The duration of visits would be max 60 days per year for junior researchers and max of 21 days per year for Sr. Scientists/ researchers/ faculty. One visit is defined as a visit by a scientist/ expert to partner country.
5. Only one research proposal from one researcher / applicant shall be considered at a time.
6. No requests for extension (with or without additional cost) of the project beyond 3 years duration shall be considered.
7. Institute over-head charges shall be payable to Indian grantee Institutes @5% of the non-travel expenses/ costs which may change at the sole discretion of the funding parties.

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**(Application form for ASEAN-India Collaborative R&D proposal)**  
**ASEAN-INDIA SCIENCE & TECHNOLOGY DEVELOPMENT FUND**

**PART 1: General information**

**1 Basic data**

<i>Project Title:</i>
<i>Keywords:</i>
<i>Priority research area:</i>
<i>Duration (months):</i>

**Lead Project Investigator (PI) -INDIA**

Name (First name, Surname)	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	
Institute name/ place of work:	
Address:	
E-mail:	
Phone number including mobile number:	

**Other project partners (Indian side):**

**(Note: Other partners from Indian side must be from same Institute/ University as of Lead Indian PI)**

Name (First name, Surname)	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	

Institute name/ place of work:	
Address:	
E-mail:	
Phone number including mobile number:	

(Please insert additional tables into the document to list additional co-investigators)

**Lead Project Investigator (PI) –ASEAN MS-1**

Name (First Name, Family Name)	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	
Institute name/ place of work:	
Address:	
Postcode, city:	
E-mail:	
Phone number:	

**Other project partners (ASEAN side):**

**(Note: Other ASEAN partner must be from ASEAN-MS other than the lead ASEAN-PI)**

Surname, First Name	
Designation:	
Academic degree:	
Date of birth:	
Gender:	
Nationality:	

Institute name/ place of work:	
Address:	
Postcode, city:	
E-mail:	
Phone number:	

(Please insert additional tables into the document to list additional co-investigators)

We hereby confirm that all the information given in this application and the attachments is correct to the best of my knowledge.

<i>Place, Date</i>	<i>INDIAN main applicant</i>
<i>Place, Date</i>	<i>ASEAN main applicant</i>

**INSTITUTIONS ENDORSEMENT:**

Certified that the necessary infrastructural facilities in connection with implementation of the above mentioned project is available in this Institution and all necessary administrative support will be extended for smooth implementation of the project

**Indian Institution:**

Name:

Position:

Signature:

Date

**ASEAN MS Institution-1:**

Name:

Position:

Signature:

Date:

**ASEAN MS Institution-2:**

Name:

Position:

Signature:

Date:



**PART-2: Scientific project description** (*Briefly describes the objectives, the research plan, and expected results of the proposed project*)

- i. **Objectives**  
*(Describe in detail the objectives of the proposed project)*
- ii. **Background** (max. 1 pages)  
*Describe the study interests with respect to knowledge in the field and open questions that motivate this proposal. Explain the significance of this project and describe how it will contribute to the advancement of knowledge in your field of research. State what will be original about the proposed project compared to what has already been published in your area of research.*
- iii. **Partnership aspects**  
*Outline the previous work and past performance of all applicants in the proposed area of research. Briefly describe their experiences and strengths and show their complementarities.*
- iv. **Detailed research plan including methodology**  
*Explain in detail your approach and methodology to conduct the proposed research and to obtain the stated objectives. Describe how the individual tasks and responsibilities will be divided between the project partners.*
- v. **Summary** (max. one page)
- vi. **List of on-going and/ or recent research projects with collaborators**

Project title	Research area	Project duration (xx/yy/zz - xx/yy/zz)	Amount of funds & funding source

*(Insert additional rows into the table if required).*

**ATTACHMENTS**

In addition, please provide for all applicants:

- a. Brief curriculum vitae
- b. Publication list and list of patents (if applicable)

**PART 3: Requested funding:**

**3.1 Mobility: (Indian side: From India to ASEAN MS-1) – Only one visit per year from each participant is permitted**

Year	No. and duration of each visit to ASEAN MS	International air-fare, visa fee, overseas insurance (only in INR for Visits from India to ASEAN MS-1)	Accommodation, per-diem etc. in INR. (For visits from India to ASEAN MS-1) as per the prescribed rates	Total
1 <sup>st</sup>	i.			
	ii.			
2 <sup>nd</sup>	i.			
	ii.			
3 <sup>rd</sup>	i.			
	ii.			

\*Please indicate Institutes Guest house accommodation charges per day.

**3.2 Mobility: (Indian side: From India to ASEAN MS-2) – Only one visit per year from each participant is permitted**

Year	No. and duration of each visit to ASEAN MS-2	International air-fare, visa fee, overseas insurance (only in INR for Visits from India to ASEAN MS 2)	Accommodation, per-diem etc. in INR. (For visits from India to ASEAN MS 2) as per the prescribed rates	Total
1 <sup>st</sup>	i.			
	ii.			
2 <sup>nd</sup>	i.			
	ii.			
3 <sup>rd</sup>	i.			
	ii.			

\*Please indicate Institutes Guest house accommodation charges per day.

**2.3 Indian side (project research costs in INR)**

Year	Accessories/ appliances etc.	Chemicals & Consumables	Project scientific manpower (only project Asstt. / JRF/ SRF/ RA) as per DST norms	Total
1 <sup>st</sup>				
2 <sup>nd</sup>				

3 <sup>rd</sup>				
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\*Please indicate / mention name and cost of accessories/appliances being requested for.

\*Please indicate rate and quantity of chemicals & consumables asked for.

### 3.4 Mobility expenses (visits from ASEAN MS-1 to India)

Year	No. and duration of each visit to India	International air-fare and overseas insurance only in INR for visits from ASEAN MS-1 to India	Accommodation, per-diem etc. in ASEAN MS-1 for visits from ASEAN MS-1 to India	Total
1 <sup>st</sup>	i.			
	ii.			
2 <sup>nd</sup>	i.			
	ii.			
3 <sup>rd</sup>	i.			
	ii.			

### 3.5 Mobility expenses (visits from ASEAN MS-2 to India )

Year	No. and duration of each visit to India	International air-fare and overseas insurance (only in INR) for visits from ASEAN MS-2 to India	Accommodation, per-diem etc. for visits from AMS-2 to India (in INR only)	Total
1 <sup>st</sup>	i.			
	ii.			
2 <sup>nd</sup>	i.			
	ii.			
3 <sup>rd</sup>	i.			
	ii.			

### **PART 4: Research requiring authorizations or notifications**

Indicate whether the proposed research includes:

	YES	NO
Humans, human tissue samples or individual medical data		
Vertebrates, decapods or cephalopods		

Pathogens or genetically modified organisms		
Human embryonic stem cells		

Please note that research on humans, human embryonic stem cells, vertebrates, decapods, cephalopods, pathogens and genetically modified organisms needs authorization and/or notification.

**PART-5 (For Indian partners only)**

1. List of on-going research projects with the Indian PI:

Title of the project	Brief description	Duration with dates of commencement and completion of the project	Funding available and source of funds

2. Infrastructure available/required to implement the project:

Facilities	List of items required for the project	If not available presently, how it is proposed to be procured/recruited. Please indicate the source of funding
Equipment		
Manpower		
Consumables and Contingencies		

3. Certified that the following Indian scientists SRF/JRF, Post-Docs are presently affiliated with the University/ Institute and will be the official project participants for the entire duration of the project:

S.No.	Name of the project participant	Position held	From	To
1.				
2.				
3.				

4. Please mention Name/Address/Contact details including email address/ area of specialization of 3 possible peer-reviewers of the project proposal.

S.No.	Name and address of the expert	Contact details including email ID	Area of expertise / keywords

5. Bank Account details of Indian lead Institute for transfer of funds:

S.No	Item(s)	
1.	Account Name	
2.	Account Number	
3.	Name, Branch and Address of the Bank	
4.	IFSC Code of the Bank	
5.	Micr Code	