

**PROGRAMME OF COOPERATION IN SCIENCE AND TECHNOLOGY
BETWEEN
THE GOVERNMENT OF THE REPUBLIC OF INDIA
AND
THE GOVERNMENT OF THE REPUBLIC OF THE UNION OF
MYANMAR
FOR THE PERIOD 2018 - 2021**

IN PURSUANCE of the Agreement on Cooperation in the fields of Science and Technology between the Government of the Republic of India and the Government of the Republic of the Union of Myanmar, hereinafter referred to as the Contracting Parties, concluded on 27th July 2010 at New Delhi (hereinafter referred to as the "Main Agreement")

REITERATING the desire of strengthening cooperation between the two countries in the fields of Science and Technology.

AN INDIA-MYANMAR JOINT WORKING GROUP FOR SCIENTIFIC AND TECHNOLOGICAL COOPERATION (hereinafter referred to as "the Working Group") has been established. The Working Group is responsible for the following:

- (a) Determining the areas of mutual interest and fields of cooperation;
- (b) Exchanging opinions on the overall perspectives of the bilateral scientific and technical cooperation;
- (c) Consideration of new proposals for the development of the cooperation;
- (d) Approving the implementation of joint activities;
- (e) Monitoring and review of the on-going cooperation activities.

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The Working Group agreed upon the following Programme of Cooperation in the fields of Science and Technology (hereinafter referred to as the "POC") for the period of **three** years commencing from December 2018.

PART – I

1. Coordinating Agencies

Department of Science and Technology (DST), Ministry of Science and Technology, Government of India, New Delhi on behalf of the Government of India and **Department of Research and Innovation, Ministry of Education**, the Government of the Republic of the Union of Myanmar on behalf of the Government of Myanmar (hereinafter referred to as the "Sides") shall be the Coordinating Agencies for the present Programme of Cooperation in the fields of Science and Technology.

2. Areas of Joint Cooperation

The areas of mutual interest for developing and implementing cooperation programmes shall be discussed and decided by the Working Group. The following areas have been identified for cooperation as a start:

- Biotechnology including Medical and Agriculture,
- Computer Science and Technology
- Electronics
- Information and Communication Technology
- Advanced Materials
- Renewable Energy

New areas of joint cooperation may be added through mutual consultations.

3. Modes of Cooperation

3.1. The following modes of cooperation have been agreed upon:



- (i) Exchange of scientific and technical information and documentation;
- (ii) Exchange of scientists, research workers, specialists and trainees for formulation and implementation of joint scientific and technical research projects and application of the results of such joint research in industry, agriculture and other fields;
- (iii) Exploratory exchange of visits for developing joint projects and joint activities;
- (iv) Organization of joint scientific and technical workshops, seminars and courses on identified themes;
- (v) Training of Myanmar scientists in Indian organizations;
- (vi) Training of Myanmar scientists and specialists by visiting Indian experts;
- (vii) Affiliation of Indian experts with Myanmar organizations;
- (viii) Twinning of Indian and Myanmar institutions;

3.1.1. Exploratory Visits

With a view to extend scientific contact and familiarize the scientists about the state-of-the-art in the other country, both sides agreed to mutually offer 40 man-weeks per year for the nominees of the other side intending to take exploratory visits in mutually agreed areas.

3.1.2. Exchange Visits

Both sides agreed for the exchange of scientists limited to a total of 30 man-weeks annually on short visits (up to 21 days) to work out and finalize specific action plans and implement the identified joint projects.

In addition, both sides will set aside a period of 30 man-months for long term visits from each side for activities including the training of Science and Technology personnel on the identified topics.

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3.1.3. Joint Scientific Projects

Both sides agreed to support Joint Scientific Projects in the areas of mutual interest which shall be developed jointly by the Indian and the Myanmar Institutions according to the agreed upon format attached at Annexure – I. The Joint Project proposals shall be submitted for approval to the Chairpersons of the Working Group.

3.1.4. Joint Thematic Workshops / Specific Courses

To stimulate the research cooperation and identifying specific themes / projects for joint implementation in areas, one or two workshops each would be organized in India and Myanmar, every year. Themes of these workshops, venues and dates, etc. will be decided by the Working Group, after mutual consultation by the Coordinating Agencies through exchange of letters.

3.1.5. Training of Myanmar Scientists and Technical Personnel in Indian Organizations

Both sides agreed that Indian side will organize the training of up to 10 Myanmar scientists and technical personnel in Indian organizations for periods normally not exceeding 4 months each.

3.1.6. Training of Myanmar Scientists and Technical Personnel by visiting Indian experts

Both sides agreed that Indian side will depute up to 10 Indian experts to Myanmar to provide training of Myanmar specialists and scientists for periods normally not exceeding 4 months each.

3.1.7. Exchange of Scientific and Technical Information and Documentation Cooperation among Scientific Institutions and Libraries

The two sides agreed to promote cooperation among scientific institutions and libraries by exchange of books, publications, bibliography and journals.

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3.2. Publication and Utilization of Jointly obtained Results

The utilization of the jointly obtained results through publications, filing of patents etc. shall be decided by the cooperating institutions. In case of any difference of opinion or inability to finalize terms for the utilization of the jointly obtained results by the cooperating agencies, the matter shall be referred to the Working Group.

3.3. Monitoring of the Projects

The annual as well as the Final Reports shall be prepared by the Project Coordinators and shall be submitted to the Working Group through the Coordinating Agencies.

3.4. The above provisions are applicable to all scientists who intend to utilize funds for collaborating programme administered by the Coordinating Agencies. However, this is not the only channel for promoting collaborative programmes in Science and Technology. The scientific institutions in both countries would be actively encouraged to pursue the joint programmes by using their own resources.

3.5. To facilitate an overview of the magnitude of Science and Technology cooperation between the sides all participating institutions shall periodically inform the Joint Working Group of the implementation status of collaborative projects.

PART - II

4. Procedure for Nomination of Visits

The scientists and technical personnel as well as the experts travelling under the present programme shall be nominated by the sending side. The nomination shall be communicated to the receiving side in a mutually agreed Performa at least two months prior to the beginning of the planned visit.

4.1. The receiving side shall communicate its readiness to receive the proposed nominee within one month of receiving their particulars.



4.2. As far as possible, the visit of an individual nominee will be confined to one or two institutions indicated and will be undertaken with reference to a definite plan of work.

4.3. The sending side shall communicate the exact date of travel of the visitor and his/ her flight number at least two weeks before the planned date of arrival.

5. Financial Provisions

The following will be the financial terms for the visits of the scientists and technical personnel and experts between India and Myanmar under this Programme of Cooperation of Science and Technology:

5.1. The sending side would be providing International **airfare** up to the place of work of the host side, as well as medical insurance and visa fees, if any.

5.2. The receiving side shall arrange in the country surface travel of the visitor from the arrival airport to the receiving institute.

5.3. The Myanmar visitor to India shall be paid a per diem amount @ INR 2500 per day in case of short-term visit (up to 30 days) and INR 21,000 per month in case of long-term visit (more than 30 days) towards food and out of pocket allowances.

The Indian visitor to Myanmar shall be provided local hospitality such as food and transportation in Myanmar.

In addition, the Indian side will provide per diem as per Govt. of India norms to the visiting Indian scientists.

5.4. The receiving side shall provide free furnished accommodation in a guesthouse/ hotel with reasonable amenities.

5.5. In case of unexpected illness of a visitor, the receiving side will meet the medical expenses in a government-sponsored hospital.

5.6. The receiving side shall pay the airport tax, if any.



5.7. The receiving side shall pay registration fee, if any, for participation of a visitor in seminar, workshop etc. in accordance with Article 4.2 above.

5.8. Training of Myanmar scientists and technical personnel in Indian organizations and by Indian experts in Myanmar shall be governed by International Technical and Economic Cooperation (ITEC) norms.

5.9. If necessary, the financial terms may be revised after mutual consultations between the two sides.

PART - III

6. Validity, Amendments and Termination

6.1. The Working Group shall organize its sessions annually, or as mutually agreed, alternately in India and Myanmar. In case of necessity, the representatives of the coordinating Agencies may organize a mid-term review meeting between two consecutive sessions of the Working Group.

6.2. This Programme of Cooperation shall enter into force from date of signing and shall remain in force for 3 years.

6.3. This Programme of Cooperation may be amended at any time by mutual consent of the parties in writing.

6.4.1 This POC can be terminated by either party by giving an advance written notice of six months.

6.4.2 The termination of this POC shall not affect the carrying out of any joint project or any other cooperative activity undertaken under this POC and not fully executed at the time of termination of this POC.

6.5 This POC shall be the integral part of the Main Agreement.



6.6 If any event of dispute on Interpretation or Implementation of this POC, both parties shall settle it amicably by means of consultations and negotiations.

Done at Nay Pyi Taw on the 11th day of December in the year 2018 in two originals in Hindi, English and Myanmar Language. In case of divergence of interpretation, the English Text shall prevail.

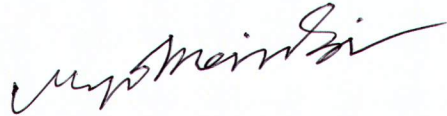
**For and on Behalf of
the Government of the Republic
of India**



(Vikram Misri)

**Ambassador of the Republic of
India to the Republic of the
Union of Myanmar**

**For and on behalf of the
Government of the Republic of
the Union of Myanmar**



(Myo Thein Gyi)

**Union Minister
Ministry of Education
Government of the Republic of
the Union of Myanmar**

ANNEXURE- I

INDIA-MYANMAR INTER-GOVERNMENTAL
SCIENCE AND TECHNOLOGY COOPERATION PROGRAMME
PROFORMA FOR APPLICATION OF JOINT RESEARCH PROJECT

A. PROJECT IDENTIFICATION

1. Title of the Project:
2. Duration of the Project in months:
Expected date of commencement:
3. Field of Science and Technology covered by the proposal:
Key words qualifying the scope of the proposal:
4. Project Investigators (PI) and Collaborating Institutions:

INDIA**MYANMAR**

Name of PI

Designation

Institution's Address

Telephone No.

Fax No.

E-mail

Name of the Co-Investigator

Designation

Institution's Address

Telephone No.

Fax No.

E-mail

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B. TECHNICAL INFORMATION

1. Objective of the Project (up to 200 words)
2. Justification for collaboration and brief information about national and International scenario in the proposed area of research (up to 200 words)
3. Description of the project including methodology (up to 400 words)
4. Plan of work

Time Scheduled Indian Responsibilities Myanmar Responsibilities1st Year2nd Year3rd Year

5. Number of exchange visit required to achieve the Project Objective (Year-wise)

PeriodIndia to MyanmarMyanmar to India

Number Duration

Number Duration

1st Year2nd Year3rd Year

6. Expected results of this cooperation (e.g. joint publications, patents etc.). Are any of the expected results like to have commercial value? How do you propose to share it? (up to 100 words)
7. Bio-data of Indian and Myanmar investigators to be attached. Description should highlight the expertise of PI(s) in the proposed field of work supported by citing relevant publications only. (to be appended in about 2 pages)




C. ADMINISTRATIVE AND FINANCIAL INFORMATION

1. Project Cost

<u>Year</u>	<u>Exchange Visits</u>	<u>Contingency</u>	<u>Total</u>
1 st Year			
2 nd Year			
3 rd Year			
Total			

2. Signature of the Project Investigators and Co- Investigators

INDIA

MYANMAR

3. Declaration from the Head of the Collaborating Institutions:

It is certified that

- i) The Institution agrees to participate in this Joint Research Project;
- ii) The Institution shall provide infrastructure and necessary facilities for implementing the joint project;
- iii) The Institution assumes financial and other management responsibility for the part of the project work to be carried out at the institution; and
- iv) The back up funding for manpower, consumable etc. is available to this project.

SIGNATURE AND SEAL OF THE HEAD OF THE INSTITUTIONS

INDIA

MYANMAR