

DST (India National Guidelines for Coordinated Call for BRICS Multilateral Research and Development Projects - Pilot call 2016

1. Goal of BRICS Coordinated Call:

The BRICS STI Framework Programme aims to support excellent research on priority areas which can best be addressed by a multinational approach. The initiative should facilitate cooperation among the researchers and institutions in the consortia which consist of partners from at least three of the BRICS countries.

2. Funding Agencies:

As part of the initiative the following research funding organizations from the BRICS countries have agreed to jointly establish a new scheme for funding multilateral cooperative activities:

Brazil: National Council for Scientific and Technological Development (CNPq)

Russia: Foundation for Assistance to Small Innovative Enterprises (FASIE), Ministry of Education and Science (MON) and Russian Foundation for Basic Research (RFBR)

India: Department of Science and Technology (DST)

China: Ministry of Science and Technology (MOST) and National Natural Science Foundation of China (NSFC)

South Africa: Department of Science and Technology (DST) and National Research Foundation (NRF)

3. Aim of the Joint Call and Thematic areas

Collaborative multilateral basic, applied and innovation research projects in the following thematic areas can be submitted in response to the call:

Major Area of the Call:

1. Prevention and monitoring of natural disasters
2. Water resources and pollution treatment
3. Geospatial technology and its applications
4. New and renewable energy, and energy efficiency
5. Astronomy
6. Biotechnology and biomedicine including human health and neuroscience
7. Information technologies and high performance computing
8. Ocean and polar science and technology
9. Material science including nanotechnology
10. Photonics

4. Eligibility:

The Call for Proposals published on is open to public and/or private Research and Technology Development entities in the participating countries as per National regulations/guidelines.

Eligible Indian Partners: Eligible partners can be legal research entities from academic institutions, national R&D laboratories. The R&D performing Indian industry may participate voluntarily in this call with participating Indian industry has to invest its own resources.

Consortium: A joint project will comprise of at least one PI from each of the participating countries, and a project coordinator or the leading PI acting as the project coordinator.

Project consortia should consist of partners from at least three of the BRICS countries participating in a specific thematic area of the call.

All applicants must fulfil their respective national eligibility rules for research grant applications (please refer to the National Annex document and consult with national research funding organization participating in the call).

5. Submission of Application Forms by Applicants

A **Joint Application Form (JAF)** (link for download: http://brics.rffi.ru/rffi/download/Joint_Application_Form%2C_JAF.docx?objectId=1954724) shall first be submitted by the project coordinator to the Call Secretariat through the online submission form at http://brics.rffi.ru/rffi/eng/brics_form. JAF shall be written in English. In addition to the JAF, each national team of a project **shall submit an additional national component** (i.e. proposal) to the relevant national participating funding organization following all required procedures of each particular organization. Applications submitted to the Call Secretariat by any method other than through online submission form at http://brics.rffi.ru/rffi/eng/brics_form, such as post, fax or telex will be rejected.

6. Additional Requirements from DST India:

Apart from submitting online at http://brics.rffi.ru/rffi/eng/brics_form the Indian PI would submit a separate detail joint proposal to Department of Science and Technology, India in the format as given in the Enclosure-1.

Please Note: if <http://www.brics.rfbr.ru> is not working, please try <http://brics.rfbr.ru> (without www). If <http://brics.rfbr.ru> (without www) is not working too, please use <http://brics.rffi.ru>.

7. BUDGET

7.1 Maximum Indian support for each Project: 50,000 US\$ equivalent to Indian rupees Rs. 40 lakh approx. for 3 years duration.

7.2 Funding instruments

	For Indian Participants (in Rupees)
<p><u>Direct Costs</u></p> <p>7.2.1 Manpower Cost (as per DST Norms)</p> <p>Junior Research Fellow-JRF/JRF(Professional), Senior Research Fellow-SRF/SRF(Professional), Research Associate-RA. (emoluments will be worked as per DST OM No. SR/S9/Z-09/2012 dated October21, 2014 and revised time to-time) http://www.dst.gov.in/whats_new/whats_new14/fellowship_revision.pdf.</p> <p>The emoluments of Research Scientist required for the project will be worked out as per DST OM No A.20020/11/97-IFD dated 22nd September ,2009 (http://www.dst.gov.in/whats_new/what_new09/revised-memorandum.pdf)</p> <p>The emoluments of Research/ Project Assistants required for the project will be worked out as per DST OM No C-30011/1/2007-IFD dated 21st</p>	

July,2008(http://www.dst.gov.in/whats_new/what_new09/emoluments-research-assistants.pdf)

7.2.2 Equipment Cost:

(Only incremental R&D equipment upto maximum 5 lakh, as would be necessary for pursuing collaborative work, will be allowed. DST will fund such requirement of Indian project partners and BRICS countries will fund that of BRICS project partners).

7.2.3 Consumables Cost:

(As essential for collaborative work. DST will fund such requirement of Indian project partners and BRICS countries will fund that of BRICS project partners).).

7.2.4 Mobility of scientists

[For Indian project staff visiting BRICS countries collaborating institute: Number of Indian scientists to undertake project work related visit and & man-days of stay in BRICS countries will have to be stated for each year-Sending Indian institution takes care of its project staff's return international travel cost (full fare economy class) between place of work in India and place of institution being visited in BRICS country as well as medical insurance (silver class); and Receiving BRICS countries institution takes care of accommodation cost (board and lodging) of the incoming visiting Indian project staff for the actual period of stay in BRICS countries (as per BRICS countries norms)]

For BRICS countries project staff visiting Indian collaborating institute: (Number of BRICS countries scientists to undertake project work related visit and & man-days of stay in India will have to be stated for each year-Sending BRICS countries institution takes care of its project staff's return international travel cost between place of work in BRICS country and place of institution being visited in India as well as medical insurance and Receiving Indian institution takes care of accommodation (in Guest House or up to 3-star hotel) and subsistence cost of the incoming visiting BRICS countries project staff for the actual period of stay in India (Per diem of Rs.1000/day for Experienced Researcher or Rs.20,000 per month for Early Stage Researcher)

Indirect Cost (As per DST norms): Overhead expenses payable to institute for Indian partners: :

for project costing upto Rs. 1 Crore, 10% of the total project cost for educational institutions and NGOs and 8 % for laboratories and institutions under central Government Departments/Agencies.

b. for projects costing more than Rs. 1.0 crore and upto Rs. 5.0 crore, overheads of Rs 15.0 lakh or 10% of total cost whichever is less;

c. for projects costing more than 5.0 crore and upto Rs. 20.0 crore, Rs 20.0 lakh will be provided as overheads; and

d. for projects costing more than Rs. 20.0 crore, the quantum will be decided on a case to case basis.

Total Cost

Admissible Cost demanded from DST

8. General guidelines for building BRICS multilateral projects-pilot call 2016

- i) The applicants may clearly define project goals that could be achieved within 3 years.
 - ii) The applicants need to provide short account of on-going bilateral projects with BRICS Member States and BRICS countries at large, if any. This is required to determine the essentiality/redundancy of India-BRICS countries and the genuine need for applying for grants under the present coordinated Call for BRICS.
 - iii) The proposals should clearly bring out novelty and innovation component vis-à-vis global scientific and technological benchmarks.
 - iv) The proposal should elaborate linkages proposed to be developed amongst various project consortium partners for optimization of time and achievement of deliverables.
 - v) The project managements, milestones, quantitative parameters for monitoring and internal monitoring systems/ procedures need to be spelt out
 - vi) The proposal should bring out industrial partner's commitment for taking forward successful solution for wider applications.
 - vii) The proposal should clearly demonstrate a balanced participation of BRICS partners with properly integrated research activities and complementary roles.
 - viii) The Indian PI along with other BRICS partner will submit an IPR arrangements, technical annex documents and coordination agreement. The IPR sharing will be govern by national domestic laws and under the framework of BRICS STI MoU and/or India bilateral S&T Agreement with BRICS Countries as applicable.
- ix) soft copy and 3 hard copies of final joint proposal should be sent to the DST India Focal point on or before the closing date of the Call.**

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Application format for Coordinated Call for BRICS Multilateral Research and Development Projects - Pilot call 2016

1. Title/Name of the Project:
2. Major Thematic Area:
3. Duration of the Project:
4. Project partners' details:

India	Brazil	Russia	China	South Africa

5. Aims/objectives of the project:
6. Deliverables:
7. Target via-a-vis Technological Benchmark:
8. Potential application areas:
9. Roles and responsibilities of each BRICS partnering institutions
10. Value addition in terms of technology and expertise expected from BRICS partners:
11. Budget requirement from Indian side:

Sno.	Item	1 st Year	II nd Year	III rd Year	Total
1	Manpower (as per DST norms)				
2	Equipment(Only incremental R&D equipment upto maximum 5 lakh				
3	Consumables				
4	Mobility India to BRICS Countries:				
	Mobility BRICS Countries to India:				
5	Workshop/Terminal Review Meeting				
6	Overheads (as per DST norms)				
	Total				

12. Brief CV indicating experience, publications etc in the proposed thematic area may be attached as additional information.