



जैव प्रौद्योगिकी विभाग  
**Department of Biotechnology**  
Ministry of Science & Technology  
Government of India



**CDTI** Centro para el  
Desarrollo  
Tecnológico  
Industrial

@CDTIoficial

## 5<sup>th</sup> INDO-SPANISH JOINT CALL FOR TECHNOLOGICAL CO-OPERATION IN BIOTECHNOLOGY 2018

### JOINT DBT- CDTI E.P.E. CALL FOR PROPOSALS UNDER THE INDO-SPANISH PROGRAMME FOR TECHNOLOGICAL CO-OPERATION IN THE FIELD OF BIOTECHNOLOGY

A Joint Programme for Co-operation signed by the Department of Biotechnology of India (DBT) and the Centre for the Development of Industrial Technology (CDTI E.P.E.) on November 22<sup>nd</sup>, 2011. The objective of the joint Indo-Spanish programme is to promote and fund market-driven research and technology development. The programme also encourages dynamic partnerships and business-led R&D&I collaborative projects in the field of biotechnology. The DBT and CDTI E.P.E. have agreed to launch the 5<sup>th</sup> joint India-Spain Call for Technological Cooperation in Biotechnology, aiming to proposals in the field of Food Biotechnology and Agri Biotech. The call aims to commence ambitious joint projects of a high international standard between Indian and Spanish organizations.

#### CALL GUIDELINES:

#### **NODAL IMPLEMENTING AGENCIES**

The Department of Biotechnology, Ministry of Science and Technology, Government of India and the Centre for the Development of Industrial Technology (CDTI-E.P.E.), Ministry of Science, Innovation and Universities, Government of Spain, are the nodal implementing agencies from the Indian and Spanish side, respectively.

The Department of Biotechnology (DBT) entrusted upon promotion of research, development and innovation in the field of biotechnology. DBT funds and supports all Indian universities, research organisations, non-governmental organisations and industry working in the area of biotechnology.

The Centre for the Development of Industrial Technology (CDTI-E.P.E.) is a Public Entity under the Ministry of Science, Innovation and Universities, Government of Spain, which fosters the technological development and innovation of Spanish Companies.

## THEMATIC AREAS

This Call for proposals invites R&D projects in the following fields:

### 1. Food Biotechnology with following thematic areas:

- a. Future probiotics: Towards sustainable & efficient nutrient partitioning.
- b. Enzyme(s) driven strategies for enhanced functionality of food.
- c. Enzyme(s) driven strategies for food production and processing.
- d. Precision nutrition: Bio-fortification of vitamins and micronutrients || Infant developmental needs.
- e. Translating omic-technologies towards sustainable & improved food functionalities & enhanced food or by-products productivity.
- f. Biotechnology-based micro or nanoscale biosensors: Assuring safety of agri-food products || Dairy products || Poultry products.
- g. Biotechnology-based efficient, low-cost, sustainable and scalable, vegetables and horticulture conservation and storage systems.

### 2. Agri Biotech, research which directly impacts on crop resilience, helps to combat disease and increases yield - benefiting both agriculture and the environment:

- a. Precision agriculture.
- b. Crop yield || resilience || quality.

*(Note: Crop research, driven through genetic manipulation has been excluded from the scope of this call)*

## TYPE OF PROPOSALS

Industry-driven and market-oriented R&D projects, joint technological co-operation projects between investigators from academic/research organizations and/or industries in India and industries in Spain consisting in the development or substantial improvement of new products, processes or services will be considered.

**Duration of projects: from 2 years up to 3 years.**

## TIMELINES

Launch of Call for Proposals: 25<sup>th</sup> July 2018

Deadline for Submission of completed applications: 1<sup>st</sup> October 2018 (INDIA – 20:30 IST / SPAIN 17:00 CET)

Funding Decisions: December 2018

## WHO CAN APPLY?

Minimum eligibility criteria: at least one qualified partner from India and one qualified partner from Spain (1 company from Spain + 1 entity from India).

## Eligible Spanish Applicants

Applicants from the industry are companies or Economic Interest Groupings (EIG) or consortia made up of at least two independent companies. Eligible companies shall be operating and registered in Spain and holding a valid Spanish company tax code (CIF). No minimum Spanish capital percentage ownership is required. Spanish subsidiaries of companies headquartered outside of Spain may also be eligible for support.

**As per CDTI-E.P.E.'s internal regulations, the Spanish consortia should be led by a Spanish Company. Collaboration with other entities such as research centres, technological centres, universities, hospitals and other R&D-performing organisations is permitted under CDTI-E.P.E.'s regulations, as subcontractors of the Spanish companies present in the consortia.**

## Eligible Indian Applicants

The call is open to all career groups (i.e. early, intermediate and senior); however, we expect that investigators will have adequate service tenure to accommodate key research, coordination and outreach responsibilities.

The Indian side of the consortium can either be led by a company or a research institution.

### a) Industry (including SME/LLP/Startup) partners:

- Indian Industry can be a partner in the consortium and are eligible for funding subject to fulfilment of DBT's administrative and financial norms (**see Annex 2**).
- Should be an Indian Company registered under the Companies Act, wherein 51% (or more) of the ownership/shareholding/partnerships shall be held by resident Indian citizen(s).
- Submission of certificate of incorporation issued under Companies Act; Shareholding/ subscriber Particulars; certificate of DSIR in-house R&D recognition and registration at Government of India's Public Finance Management System (PFMS) - <https://pfms.nic.in> shall be obligatory.

### b) Academic/Research Partners:

- Government of India supported or recognised (Public or Private) academia; research organisations and urban or other local bodies.
- Public and/or private universities and research organisations must have a well-established research support system, for basic or applied research.
- Submission of proof of establishment under Indian statute; recognition documents and registration at Government of India's Public Finance Management System (PFMS) - <https://pfms.nic.in> shall be obligatory.

### c) Not-for-profit, NGO(s)/ VO(s)/ Trust(s)/ Research Foundations:

- Government of India recognised not-for-profit, NGO(s)/ VO(s)/ Trust(s)/ Research foundations, having research as one of the imperative mandates.
- The Indian private R&D performing institutions and Not-for-profit, NGO(s)/ VO(s)/ Trust(s)/ Research foundations should have experience of at least 3 years in scientific research, teaching, training and extension activities.
- Proof of registration at 'NGO DARPAN' of NITI Aayog (<http://ngodarpan.gov.in/>); Certificate of registration under Society Registration Act; certificate of DSIR in-house R&D recognition and registration at Government of India's Public Finance Management System (PFMS) (<https://pfms.nic.in>) shall be obligatory.

**Kindly Note:** *The number of project partners should be optimum and correspond to the objectives of the project. Each project should clearly demonstrate the partner's essentiality, complementarities, and added value in jointly addressing the topic.*

## ELIGIBLE COSTS

The project must clearly specify the costs of each and all the activities pertaining to the project and delineate the costs to be respectively borne by the Spanish and Indian partners. The cost of the Indian and Spanish partners must be eligible under the laws that may be applicable in each country and under internal regulations of CDTI-E.P.E. and DBT, respectively.

### Funding by CDTI-E.P.E./ Spain

CDTI-E.P.E. can only provide funding to Spanish companies subject to budget availability.

As per CDTI-E.P.E.'s regulations, project expenditure eligible costs will include amortisation of assets, outsourced technical collaborations, material costs, technical personnel and other costs (indirect costs, audit costs).

CDTI-E.P.E. will finance industrial research and/or technological development activities of Spanish companies. Universities and research centers can be funded as subcontractors. Funding conditions for Spanish partners may vary depending on the nature of the project.

For more information please access:

[https://www.cdti.es/index.asp?MP=100&MS=802&MN=1&r=1920\\*1080](https://www.cdti.es/index.asp?MP=100&MS=802&MN=1&r=1920*1080)

Spanish tasks in the project cannot start before submitting the funding application to CDTI-E.P.E. For further information, please contact directly with CDTI-E.P.E.

### Funding by DBT/ India

Budgeted costs of the project to legal entities subject to obligatory fulfilment of eligibility criteria:

**a)** DBT will support (Grant-in-aid) 100% of the approved budget costs to the following two categories of organizations:

- Government of India supported or recognised public or private academic institutions or research organisation, and urban or other local bodies;
- Not-for-profit, NGO(s)/ VO(s)/ Trust(s)/Research foundations, having research as one of the imperative mandates

Eligible costs for funding are: Capital expenditure (equipment's) || Manpower || Consumables || Travel (local and international travel) || Contingency || Overheads || Outsourcing || others. (*Academia can factor in additional sub heads (in other category) such as training & awareness; workshops; publications; review meetings, etc. under expenditure based on the requirement of the project).*

#### b) Grant-in-aid to Industry:

- DBT's support to Industry shall not exceed 50% (up to maximum of Rs. 1.5 Crore) of the total project cost and the remaining 50% contribution shall mandatorily come from the Industry;
- The cost breakup for the DBT component of the proposal shall be: Capital and Manpower costs each not exceeding 30% of the DBT supported project cost; and balance will cover consumables and travel costs. Contingency & overhead costs will not be permissible;
- SMEs or Startups can be funded up to INR 25.0 Lakhs for proof of concept, in which 80% can be Grant-in-aid with the balance to come from SME/ Startup.
- **Kindly Note: Mobility: exchange research visits between Europe and India. Travel costs, living expenses and visa costs are eligible for funding. Eligibility is subject to national regulations.**

## HOW TO APPLY?

**Joint R&D&I proposals must be submitted to both of the nodal agencies, DBT and CDTI-E.P.E., by 1<sup>st</sup> October 2018. (INDIA – 20:30 IST / SPAIN 17:00 CET)**

**Unilaterally submitted proposals shall not be considered further.**

**Indian and Spanish co-applicants must elaborate a single project proposal application (See Annex 1 – Bilateral Co-operation Form).** The Bilateral Co-operation Form must emphasize how the proposed collaboration adds value, main technology highlights and innovations, complementarities and overlapping activities to be developed by the parties involved underlining the collaborative work being carried out on each side, their expertise, etc.

Please note that this Bilateral Co-operation Form must be sealed and signed by all co-applicants at the end of the document, expressly indicating name and designation of the authorized signatory in the organisation. Any other relevant information not expressly mentioned on the form and that the applicants consider relevant may be included as Annexes.

In addition to the Bilateral Co-operation form, co-applicants have to submit the following documents as relevant appendices:

**a)** Indian applicants need to submit administrative & financial requirements as per DBT format ([See Annex 2](#)).

**b) Consortium Agreement in English** whereby the co-applicants should agree upon the ownership, access rights and exploitation of intellectual property generated during the co-operation, **to be submitted to DBT and CDTI-E.P.E.** *No prescribed format is provided in this joint call.* The Consortium Agreement needs to be sealed and signed by all co-applicants.

**c)** Any additional specific documents required from DBT and CDTI-E.P.E., as per their respective guidelines and internal rules.

### **Submission to DBT, New Delhi, India**

Indian applicants must submit **complete proposal** (bilateral co-operation form + administrative & financial requirements + consortium agreement + additional supporting documents, if any) to DBT (see indicated e-mail) as single consolidated PDF file by **Monday, 1<sup>st</sup> October 2018 (20:30 IST)** to [icone@dbt.nic.in](mailto:icone@dbt.nic.in).

Additionally, a duly signed (*by Lead Investigator*) & forwarded (*by Utmost Authority of the organization*) short covering letter introducing the application shall be submitted along with full proposal (with good quality prints on both side of the page) (1 original + 1 photocopy) at the latest by **Wednesday, 10<sup>th</sup> October 2018** to the following DBT's contact point:

- Dr Amit P. Parikh, Scientist-'E', Division of International Cooperation, Room No. 814, 8<sup>th</sup> Floor, Department of Biotechnology, Block-2, CGO Complex, Lodhi Road, New Delhi-110003.

### **Submission to CDTI-E.P.E., SPAIN**

Spanish applicants shall submit their applications following CDTI-E.P.E.'s normal guidelines and using CDTI-E.P.E.'s electronic services by **Monday, 1<sup>st</sup> October 2018 (17:00 CET)**. Further information on CDTI-E.P.E. funding is available in Spanish. For further details visit CDTI-E.P.E.'s website <http://www.cdti.es>

**The proposal will be disqualified, if any discrepancy is found in the proposal submitted to DBT and to CDTI-E.P.E.**

The complete details of the Call are available on DBT's and CDTI-E.P.E.'s websites: <http://dbtindia.nic.in> and <http://www.cdti.es>, respectively.

## **REVIEW PROCESS AND EVALUATION**

All applications will be treated as strictly confidential. All received proposals are peer reviewed and processed independently by both sides. After having received the recommendations of the respective evaluation panels, DBT and CDTI-E.P.E. will jointly arrive at mutual understanding on the projects to be funded.

## **EVALUATION CRITERIA**

The joint projects must meet the general requirements of the funding organisations.

The projects to be funded are chosen by evaluating them as a whole. The evaluation is based on the points listed in the guidelines for writing the project plan. Special emphasis will be on:

- Scientific-technical quality of the proposal and degree of innovation.
- Technical and financial capacity of the entity to carry out the project.
- Capacity of the entity to exploit the results.
- Potential market for developments.
- Impact on the internationalization of the entity's activities.
- Complementarity and balance of the international consortium.

## **FUNDING DECISIONS**

DBT and CDTI-E.P.E. will, after having formed their mutual understanding on the projects to be funded, make their funding decisions according to their normal procedures and rules and on a non-exchange of funds basis.

DBT and CDTI-E.P.E. will inform the grantees about the funding decisions according to their normal practices.

After completion of peer review process, only selected applications will be requested to resubmit at the electronic project submission portal of DBT.

## **ADMINISTRATION OF THE FUNDED PROJECTS**

Funding granted by DBT and CDTI-E.P.E. will be governed by the general terms and conditions of each funding organisation, respectively.

## **FURTHER INFORMATION**

Valuable contact information for partner identification or any further clarification regarding this Call:

**DBT (India)**

Dr. Shailja V. Gupta  
Scientist G

Dr. Amit P. Parikh  
Scientist E

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Division of International Cooperation  
Department of Biotechnology  
Ministry of Science and Technology  
Block-2, CGO Complex, Lodhi Road  
New Delhi - 110 003, India  
Phone: 2436 3748  
E-mail: [icone@dbt.nic.in](mailto:icone@dbt.nic.in)

**CDTI-E.P.E. (Spain)**

Division of Foreign Technological  
Action  
Centre for the Development of  
Industrial Technology  
Ministry of Science, Innovation and  
Universities  
Address: Cid 4 – 28001 Madrid, Spain  
Phone: 91 581 56 07  
E-mail: [india@cdti.es](mailto:india@cdti.es)





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# ISIP

## Indo-Spanish Joint Programme for Technological Co-operation in Biotechnology

### 1. General Information

1.1 <u>Acronym</u>	
1.2 <u>Title</u>	
1.3 <u>Summary</u>	

1.4 <u>Budget and Duration</u>			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year (if applicable)		TOTAL	
	Duration (nº months): Start Date:									
		Spain	India	Spain	India	Spain	India	Spain	India	
Budget (€ / INR)	Government Contribution									
	Private Contribution									
	Others, if any									
	Subtotal									
Total										

#### 1.4<sup>a</sup> Budgetary details in respect of Spanish company (€)

Budget head	1st Year (€)	2nd Year (€)	3rd Year (€) (if applicable)	TOTAL (€)
Amortization of capital assets (tangible and intangible)				
Material cost				
Manpower				
Outsourced technical collaborations				
Overheads				
Audit cost				

#### 1.4<sup>a</sup> Budgetary details in respect of Indian company (INR)

Budget head	1st Year (INR)	2nd Year (INR)	3rd Year (INR) (if applicable)	TOTAL (INR)
Non recurring				
Equipment				
Recurring				
a. Manpower				
b. Consumables				
c. Travel				
d. Contingency				
e. Overheads				

#### 1.4<sup>a</sup> Budgetary details in respect of Indian researcher (INR)

Budget head	1st Year (INR)	2nd Year (INR)	3rd Year (INR) (if applicable)	TOTAL (INR)
Non recurring				
Equipment				
Recurring				
a. Manpower				
b. Consumables				
c. Travel				
d. Contingency				
e. Overheads				

1.5 <u>Members contribution</u>	Name of the company	K€	KRps

## 2. Project Outline

### 2.1 Description (approximately one page)

2.2 Innovation highlights (State of the Art / Progress beyond state of the art)

## 2.3 Technological Development Envisaged

## 2.4 Market Application and Exploitation

2.5 Milestones / Timeline and Gantt Chart / Diagram - project schedule and work breakdown structure of the project into working packages indicating the workplan for both the Indian and Spanish partners.

### 3. Participant Data

3.1 Main Participant	
Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	

3.2 Other Participant	
Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	

3.3 Other Participant	
Full Name	
Organization Address	Telephone number
	Fax number
Contact person data	Function
	E-mail
Activity	



#### 4. Contribution to the project

Name of the participants and a brief description of their activities in the project	
Spanish participants	
Indian participants	

5. Expertise of the participants

Name of the participants and a brief description of their experiences in relation to the project	
Spanish participants	
Indian participants (please also include brief CV of the research team)	

## 6. Consortium Agreement

Indicate if the Consortium has signed any Memorandum of understanding or any other consortia agreement and mention the signed date if it is the case.

## TEMPLATE FOR INDIAN REQUIREMENTS

### PROJECT'S ADMINISTRATIVE AND FINANCIAL CONSIDERATIONS (DBT'S REQUIREMENTS)

*This document shall be completed by Indian Lead Principal Investigator, in consultation & Agreement with Spain Counterparts*

#### A. Whether all Investigators have valid service tenures to accommodate key research and coordination responsibility? [-- YES/NO --]

If yes, provide valid answer for the same with date of superannuation *[NMT 30 words]*

If no, Provide details of precautionary approach to be followed in case of exigency *[NMT 80 words]*

#### B. Provide explicit objectives of each participating organization (Indian and Spain counterparts) in bullet points

#### C. Details of ongoing projects with Principal Investigators (PIs) and Co-Investigators (Co-Is) as per the following format (*Funded by any funding agency*):

S. No.	Title of the project	Project Keywords	Approved Objectives	Funding agency	Project duration (Dates)		As (PI/ Co-I)	% of time devoted to each project
					From	To		
1.								
2.								
3.								
...								

#### D. Information for completed projects of Principal Investigators (PIs) and Co-Investigators (Co-Is) as per the following format (*Completed projects funded by any agency in last three years*):

S. No.	Title of the project	Project Keywords	Approved Objectives	Duration (Dates)		As (PI/ Co-I)	Date of Actual Completion
				From	To		
1.							
2.							
3.							
...							

**E. Complementarities of participants and extent to which the consortium as a whole brings together the necessary expertise and appropriateness of the allocation of tasks [NMT 80 words]**

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**F. Deliverable goal of the project [NMT 50 words]**

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**G. Administrative & Regulatory Considerations:**

**1) Is there any possibility of use of information (in any form) resultant of the proposed work, which may impinge on India's national security? If yes, the nature of such a use may be indicated. [NMT 50 words]**

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**2) Give a list of the likely places of visit within the country planned by the SPAIN collaborator. Also give a list of the institutions which the collaborator is likely to visit. [NMT 70 words]**

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**3) Will any sensitive source material be referred to during the course of the research? [-- YES/NO --]**

**If yes, provide explicit details of the same. [NMT 70 words]**

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**4) Does this collaboration involve (*Explicitly highlight the same*)**

- a) Transfer of biological material(s): [-- YES/NO --]
- b) Use of radioactive materials: [-- YES/NO --]
- c) Use of hazardous material(s): [-- YES/NO --]
- d) Use of Genetically Engineered Organisms: [-- YES/NO --]
- e) Field trials or testing: [-- YES/NO --]
- f) Pre-clinical and/ or Clinical trials or testing: [-- YES/NO --]
- f) Ethical considerations: [-- YES/NO --]
- g) Considerations related to Intellectual Property Rights (IPR): [-- YES/NO --]

**5) If answer to the above question is yes, are the investigator(s) aware of the relevant regulations (*such as IBSC/IASC/IAEC/IEC/NBA/IC-SCR etc.*) and have they agreed to abide by them? [-- YES/NO --]**

**If YES, explain it in brief [NMT 40 words]**

**If NO, provide valid reason(s) to it [NMT 80 words]**

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**6) If relevant, describe if and how the project results should be protected. Details of knowhow generated so far. Also IPR barriers or relations to others' intellectual properties must be described, including e. g. a brief summary of your freedom to**

operate analysis. Also, state if the methods chosen give rise to intellectual property problems or opportunities. *[NMT 160 words]*

7) Identify any additional critical considerations you would like to bring to the attention of the reviewer *[NMT 100 words]*

8) While submitting this grant proposal you are requested to note the following and upload/ enclose relevant information

a) In case of Academia (Public, Private, Not for profit Research foundations) submission of proof of establishment by Indian statue and recognition documents is obligatory. *(Kindly enclose relevant documents)*

b) In case of Private Institution(s)/ NGO(s)/ VO(s)/ Trust(s), submission of proof of registration at 'NGO DARPAN' at <http://ngodarpan.gov.in/>; Certificate of registration under Society Registration Act and certificate of DSIR in-house R&D recognition is obligatory. An Academic society must follow research as mandate. *(Kindly enclose relevant documents)*

c) In case of Public or Private Industry, submission of Certificate of Incorporation issued under Companies Act; Shareholding/ subscriber Particulars and certificate of DSIR in-house R&D recognition is obligatory *(Kindly enclose relevant documents)*

9) Details of consolidated budget proposed:

(Rs. In lakhs)

Heads	Year I	Year II	Year III	Total
Equipment(s)				
Manpower				
Consumables				
Travel (Domestic    International)				
Contingency				
Overheads				
Outsourcing				
Other (Provide details).....				
Total				

*(N.B: Academia can factor in additional sub heads (in other category) such as training & awareness; review meeting, etc. under expenditure based on the requirement of the project.)*

10) Details of Investigator wise and/or Institute wise & year wise final budget proposed: *(Critically review the budget requirements, ensuring every possibility of using existing resources & communication technologies or possibly sharing the same from alternative sources (outsourced) without impacting time and efforts to achieve the goal)*

(Rs. In lakhs)

Heads	Year I	Year II	Year III	Total
Equipment(s)				
Manpower				
Consumables				
Travel (Domestic    International)				

Contingency				
Overheads				
Outsourcing				
Other (Provide details).....				
Total				

(N.B: Academia can factor in additional sub heads (in other category) such as training & awareness; review meeting, etc. under expenditure based on the requirement of the project.)

**11) Details of industry wise & year wise final budget proposed** (As per the agreed grant policy, DBT's support to Industry shall not exceed 50% of the total project cost (up to maximum of Rs. 1.5 Crore), 50% of the contribution shall mandatorily come from the Industry. The cost breakup for the DBT component of the proposal shall be: Capital and Manpower costs each not exceeding 30% of the DBT supported project cost; and balance will cover consumables and travel costs. Contingency & overhead costs will not be permissible)

(Rs. In lakhs)

Heads	Contribution from DBT				Contribution from Industry			
	Year I	Year II	Year III	Total	Year I	Year II	Year III	Total
Equipment(s)								
Manpower								
Consumables								
Travel (Domestic    International)								
Total								

**12) Details of Investigator wise and/or Institute wise equipment proposed:**

(Rs. In lakhs)

Sr. No.	Name of the Proposed Equipment	Justification of the Proposed Equipment	Proposed Cost
1			
2			
3...			

a) Provide a list of equipment(s) and number of such equipment(s) available in your laboratory or easily accessible to you for accomplishing proposed research goals (*To be submitted for each participant investigator*)

**13) Manpower details: [NMT 80 words]**

a) Provide the desired qualification, experience and emoluments of the manpower proposed in the project. (*Justification for the need of each proposed project position must also be given*)

b) In case of desired qualification, experience and emoluments of the manpower proposed in the project is not as per DST guidelines, then provide details of the same and compulsorily enclosed the copies of relevant approved guidelines. (*E.g. ICAR/ ICMR/ Institutional guidelines/ Wage norms of State Govt. Labour Department etc.*)

14) Explicit justification for the consumable budget proposed: *[NMT 100 words]*

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15) Justification for the contingency budget proposed: *[NMT 50 words]*

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16) Explicit justification for the travel budget proposed. *(Domestic and international travel should be limited for project purposes only. In case of field visit etc. which are required for collection of samples and/or visit of patients etc, it should be separately mentioned and justified.*

*Explicitly clarify the frequency & number of visits to be made by investigator(s) and/or project staff(s) to Spain counterpart, each year along with the basis for the proposed cost).*  
*[NMT 110 words]*

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17) Whether any outsourcing of work (like genome sequencing, bioinformatics analysis etc.) is involved in the project? [-- YES/NO --]

*If yes, please provide the details of the same [NMT 60 words]*

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18) Explicit justification for budget proposed under 'Other' category: *[NMT 100 words]*

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19) Endorsement by the Head of the Organization *(To be submitted on letter head in support of all participating investigators of the concerned organization(s) as per the proforma placed below)*

**Endorsement by the Head of the Organization**

*To be submitted on letter head in support of participating Investigator(s)*

**Project Title:**

I. Certified that the Institute welcomes participation of Dr. \_\_\_\_\_ as the Principal Investigator and Dr. \_\_\_\_\_ as the Principal Co-Investigator for the project and that in the unforeseen event of discontinuance by the Principal Investigator, the Principal Co-Investigator will assume the responsibility of the fruitful completion of the project (with due information to DBT).

II. Certified that all resources (infrastructure, techno-scientific, administrative, etc.) as per the terms and conditions of the grant, will be extended to investigator(s) throughout the duration of the project.

III. Institute assumes to undertake the financial and other management responsibilities of the project.



**IV.** Certified that comprehensive appraisal pertaining to administrative and financial requirements has been made towards participation of this organization through this project beforehand.

**Date:**

**Name & Signature with stamp of Head of the Organization**

**Place:**

## TEMPLATE FOR INDIAN REQUIREMENTS

### PROJECT'S ADMINISTRATIVE AND FINANCIAL CONSIDERATIONS (DBT'S REQUIREMENTS)

*This document shall be completed by Indian Lead Principal Investigator, in consultation & Agreement with Spain Counterparts*

#### A. Whether all Investigators have valid service tenures to accommodate key research and coordination responsibility? [-- YES/NO --]

If yes, provide valid answer for the same with date of superannuation *[NMT 30 words]*

If no, Provide details of precautionary approach to be followed in case of exigency *[NMT 80 words]*

#### B. Provide explicit objectives of each participating organization (Indian and Spain counterparts) in bullet points

#### C. Details of ongoing projects with Principal Investigators (PIs) and Co-Investigators (Co-Is) as per the following format (*Funded by any funding agency*):

S. No.	Title of the project	Project Keywords	Approved Objectives	Funding agency	Project duration (Dates)		As (PI/ Co-I)	% of time devoted to each project
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2.								
3.								
...								

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S. No.	Title of the project	Project Keywords	Approved Objectives	Duration (Dates)		As (PI/ Co-I)	Date of Actual Completion
				From	To		
1.							
2.							
3.							
...							

**E. Complementarities of participants and extent to which the consortium as a whole brings together the necessary expertise and appropriateness of the allocation of tasks [NMT 80 words]**

---

**F. Deliverable goal of the project [NMT 50 words]**

---

**G. Administrative & Regulatory Considerations:**

**1) Is there any possibility of use of information (in any form) resultant of the proposed work, which may impinge on India's national security? If yes, the nature of such a use may be indicated. [NMT 50 words]**

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**2) Give a list of the likely places of visit within the country planned by the SPAIN collaborator. Also give a list of the institutions which the collaborator is likely to visit. [NMT 70 words]**

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**3) Will any sensitive source material be referred to during the course of the research? [-- YES/NO --]**

**If yes, provide explicit details of the same. [NMT 70 words]**

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**4) Does this collaboration involve (*Explicitly highlight the same*)**

- a) Transfer of biological material(s): [-- YES/NO --]
- b) Use of radioactive materials: [-- YES/NO --]
- c) Use of hazardous material(s): [-- YES/NO --]
- d) Use of Genetically Engineered Organisms: [-- YES/NO --]
- e) Field trials or testing: [-- YES/NO --]
- f) Pre-clinical and/ or Clinical trials or testing: [-- YES/NO --]
- f) Ethical considerations: [-- YES/NO --]
- g) Considerations related to Intellectual Property Rights (IPR): [-- YES/NO --]

**5) If answer to the above question is yes, are the investigator(s) aware of the relevant regulations (*such as IBSC/IASC/IAEC/IEC/NBA/IC-SCR etc.*) and have they agreed to abide by them? [-- YES/NO --]**

**If YES, explain it in brief [NMT 40 words]**

**If NO, provide valid reason(s) to it [NMT 80 words]**

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6) If relevant, describe if and how the project results should be protected. Details of knowhow generated so far. Also IPR barriers or relations to others' intellectual properties must be described, including e. g. a brief summary of your freedom to operate analysis. Also, state if the methods chosen give rise to intellectual property problems or opportunities. *[NMT 160 words]*

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7) Identify any additional critical considerations you would like to bring to the attention of the reviewer *[NMT 100 words]*

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8) While submitting this grant proposal you are requested to note the following and upload/ enclose relevant information

a) In case of Academia (Public, Private, Not for profit Research foundations) submission of proof of establishment by Indian statue and recognition documents is obligatory. *(Kindly enclose relevant documents)*

b) In case of Private Institution(s)/ NGO(s)/ VO(s)/ Trust(s), submission of proof of registration at 'NGO DARPAN' at <http://ngodarpan.gov.in/>; Certificate of registration under Society Registration Act and certificate of DSIR in-house R&D recognition is obligatory. An Academic society must follow research as mandate. *(Kindly enclose relevant documents)*

c) In case of Public or Private Industry, submission of Certificate of Incorporation issued under Companies Act; Shareholding/ subscriber Particulars and certificate of DSIR in-house R&D recognition is obligatory *(Kindly enclose relevant documents)*

9) Details of consolidated budget proposed:

(Rs. In lakhs)

Heads	Year I	Year II	Year III	Total
Equipment(s)				
Manpower				
Consumables				
Travel (Domestic    International)				
Contingency				
Overheads				
Outsourcing				
Other (Provide details).....				
Total				

*(N.B: Academia can factor in additional sub heads (in other category) such as training & awareness; review meeting, etc. under expenditure based on the requirement of the project.)*

**10) Details of Investigator wise and/or Institute wise & year wise final budget proposed:** (*Critically review the budget requirements, ensuring every possibility of using existing resources & communication technologies or possibly sharing the same from alternative sources (outsourced) without impacting time and efforts to achieve the goal*)

(Rs. In lakhs)

Heads	Year I	Year II	Year III	Total
Equipment(s)				
Manpower				
Consumables				
Travel (Domestic    International)				
Contingency				
Overheads				
Outsourcing				
<b>Other (Provide details).....</b>				
<b>Total</b>				

(N.B: Academia can factor in additional sub heads (in other category) such as training & awareness; review meeting, etc. under expenditure based on the requirement of the project.)

**11) Details of industry wise & year wise final budget proposed** (*As per the agreed grant policy, DBT's support to Industry shall not exceed 50% of the total project cost (up to maximum of Rs. 1.5 Crore), 50% of the contribution shall mandatorily come from the Industry. The cost breakup for the DBT component of the proposal shall be: Capital and Manpower costs each not exceeding 30% of the DBT supported project cost; and balance will cover consumables and travel costs. Contingency & overhead costs will not be permissible*)

(Rs. In lakhs)

Heads	Contribution from DBT				Contribution from Industry			
	Year I	Year II	Year III	Total	Year I	Year II	Year III	Total
Equipment(s)								
Manpower								
Consumables								
Travel (Domestic    International)								
<b>Total</b>								

**12) Details of Investigator wise and/or Institute wise equipment proposed:**

(Rs. In lakhs)

Sr. No.	Name of the Proposed Equipment	Justification of the Proposed Equipment	Proposed Cost
1			
2			
3...			

**a)** Provide a list of equipment(s) and number of such equipment(s) available in your laboratory or easily accessible to you for accomplishing proposed research goals (*To be submitted for each participant investigator*)

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**13) Manpower details:** *[NMT 80 words]*

**a)** Provide the desired qualification, experience and emoluments of the manpower proposed in the project. *(Justification for the need of each proposed project position must also be given)*

**b)** In case of desired qualification, experience and emoluments of the manpower proposed in the project is not as per DST guidelines, then provide details of the same and compulsorily enclosed the copies of relevant approved guidelines. *(E.g. ICAR/ ICMR/ Institutional guidelines/ Wage norms of State Govt. Labour Department etc).*

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**14) Explicit justification for the consumable budget proposed:** *[NMT 100 words]*

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**15) Justification for the contingency budget proposed:** *[NMT 50 words]*

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**16) Explicit justification for the travel budget proposed.** *(Domestic and international travel should be limited for project purposes only. In case of field visit etc. which are required for collection of samples and/or visit of patients etc, it should be separately mentioned and justified.*

*Explicitly clarify the frequency & number of visits to be made by investigator(s) and/or project staff(s) to Spain counterpart, each year along with the basis for the proposed cost).*  
*[NMT 110 words]*

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**17) Whether any outsourcing of work (like genome sequencing, bioinformatics analysis etc.) is involved in the project? [-- YES/NO --]**

*If yes, please provide the details of the same [NMT 60 words]*

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**18) Explicit justification for budget proposed under 'Other' category:** *[NMT 100 words]*

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**19) Endorsement by the Head of the Organization** *(To be submitted on letter head in support of all participating investigators of the concerned organization(s) as per the proforma placed below)*

**Endorsement by the Head of the Organization**  
**To be submitted on letter head in support of participating Investigator(s)**

**Project Title:**

**I.** Certified that the Institute welcomes participation of Dr. \_\_\_\_\_ as the Principal Investigator and Dr. \_\_\_\_\_ as the Principal Co-Investigator for the project and that in the unforeseen event of discontinuance by the Principal Investigator, the Principal Co-Investigator will assume the responsibility of the fruitful completion of the project (with due information to DBT).

**II.** Certified that all resources (infrastructure, techno-scientific, administrative, etc.) as per the terms and conditions of the grant, will be extended to investigator(s) throughout the duration of the project.

**III.** Institute assumes to undertake the financial and other management responsibilities of the project.

**IV.** Certified that comprehensive appraisal pertaining to administrative and financial requirements has been made towards participation of this organization through this project beforehand.

**Date:**

**Name & Signature with stamp of Head of the Organization**

**Place:**