



## INDO-SPANISH JOINT CALL FOR TECHNOLOGICAL CO-OPERATION IN RENEWABLE ENERGY 2012

### **JOINT MNRE-CDTI CALL FOR PROPOSALS UNDER THE INDO-SPANISH PROGRAMME FOR TECHNOLOGICAL CO-OPERATION IN THE FIELD OF RENEWABLE ENERGY.**

Joint Programme for Co-operation signed by the Ministry of New and Renewable Energy of India - MNRE - and the Centre for the Development of Industrial Technology - CDTI -, Spain on November 23<sup>rd</sup>, 2011. The objective of the joint Indo-Spanish programme is to promote and fund market - driven research and technology development as well as to encourage partnerships and business-led R&D&I collaborative projects in the field of renewable energy. The Parties agreed to launch joint Calls for Proposals.

The joint call for proposals aims to launch ambitious joint projects of a high international standard between Indian and Spanish organisations. Potential projects will be funded by MNRE in India and CDTI in Spain.

### **CALL GUIDELINES:**

#### **➤ NODAL IMPLEMENTING AGENCIES**

The Ministry of New and Renewable Energy – MNRE -, Government of India and the Centre for the Development of Industrial Technology – CDTI -, Ministry of Economy and Competitiveness, Government of Spain, are the nodal implementing agencies from the Indian and Spanish side respectively.

The Ministry of New and Renewable Energy of India – MNRE – is the nodal Ministry of the Government of India of all the matters relating to new and renewable energy. The Ministry has been supporting Research, Design and Development (R&D&D) in new and renewable energy since 1982. Considering that the market would largely drive the renewable energy sector, a scheme has been evolved for associating and supporting R&D&D carried out by various stakeholders including research institutions and the industry.

The Centre for the Development of Industrial Technology – CDTI -, is a Business Public Entity, part of the Ministry of Economy and Competitiveness which fosters the technological development and innovation of Spanish Companies. Since 2009, it has been the entity that channels and supports applications for national and international R&D&I projects of Spanish Companies.



## ➤ SCOPE

This first Call for proposals is a generic call open to collaborative R&D projects in all areas of renewable energy e.g., bioenergy, biofuels, solar photovoltaics, solar thermal energy, wind energy, hydrogen energy and fuel cells, battery operated and hybrid vehicles, geothermal energy, tidal energy, hybrid renewable energy technologies, energy storage systems (electrical as wells thermal), energy efficiency and green buildings.

## ➤ TYPE OF PROPOSALS

Industry-driven and market-oriented R&D projects. Joint technological co-operation projects between researchers and companies in India and companies in Spain consisting in the development or substantial improvement of new products, processes or services.

Duration of projects from 1 year up to 3 years.

## ➤ TIMETABLE

- Launch of Call for Proposals: 1<sup>st</sup> June 2012
- Deadline for Submission of completed applications: 15<sup>th</sup> September 2012
- Funding Decisions: before 31<sup>st</sup> January 2013

## ➤ WHO CAN APPLY?

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

From the Spanish side the project must necessarily be led by a company. Collaboration with other Spanish R&D entities (research institutes, academic institutions, technology centres) is permitted.

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

## ➤ HOW TO APPLY?

- **Joint R&D&I proposals must be submitted to both of the nodal agencies, MNRE and CDTI by 15<sup>th</sup> September 2012.** Unilaterally submitted proposals shall not be considered.
- **Indian and Spanish co-applicants must develop a unique project proposal application (Annex 1 – Bilateral Co-operation Form).** The Bilateral Co-operation Form must emphasize on how the proposed collaboration adds value, main technology highlights and innovations, 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 authorised 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:
  - **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 MNRE and CDTI**. No prescribed format is provided in Annexes. Similarly, the **Consortium Agreement** needs to be sealed and signed by all co-applicants.
  - **Funding organisation-specific documents to be submitted to MNRE and CDTI respectively, as per their guidelines.**

Indian applicants shall submit applications as per MNRE’s guidelines in the form of 10 hard copies and two CDs. The format for application may be downloaded from <http://www.mnre.gov.in/schemes/r-d/rd-formats/>.

Spanish applicants shall submit their applications following CDTI’s normal guidelines and using CDTI’s electronic services. Further information on CDTI funding is available in Spanish. For details visit CDTI’s website <http://www.cdti.es>

The complete details of the Call are available on MNRE’s and CDTI’s websites.: [www.mnre.gov.in](http://www.mnre.gov.in) and [www.cdti.es](http://www.cdti.es)

Applicants are recommended to contact the nodal persons at their national funding organisations whose contact details are given below:

Indian side (MNRE)

Dr. Ashvini Kumar  
Scientist 'F'  
Ministry of New and Renewable Energy  
Block-14, CGO Complex, Lodi Road  
New Delhi – 110 003, India  
Phone: 011-2436 3546  
Email: [ashvinikr@nic.in](mailto:ashvinikr@nic.in)  
Website: [www.mnre.gov.in](http://www.mnre.gov.in)

Spanish side (CDTI)

CDTI Technology Advisor assigned to the entity or  
  
Unit of Energy, Chemistry, Environment, Manufacturing and Services /  
Directorate of Global Innovative Markets /  
Centre for the Development of Industrial Technology  
Address: Cid 4 – 28001 Madrid, Spain  
Phone: 91 581 55 00  
E-mail: [info@cdti.es](mailto:info@cdti.es)  
Website: [www.cdti.es](http://www.cdti.es)



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 and MNRE, respectively.

CDTI can only provide funding to Spanish companies subject to budget availability. As per MNRE's policy, capital grants can be provided for implementation of the identified projects to the Indian and academic/research institutions and Indian industries. The capital grant to the former may be provided on advance basis while for the latter the grants may preferably be provided on re-imbusement basis-

- As per CDTI's regulations project expenditure eligible costs will include amortization of assets, outsourced technical collaborations, material costs, technical personnel and other costs (indirect costs, audit costs).
- As per MNRE's guidelines for R&D projects, the project expenditure eligible costs will include cost of equipment, travel (national as well as international), materials, other costs (viz. expert's consultancy, contingencies). The extent of support is generally up to 50%, and release of funds is either advance against bank guarantee or on reimbursement basis.

#### ➤ 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 evaluation panels, MNRE and CDTI will jointly arrive at a 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:

- Crucial Criteria
  - Financial capacity of Partner
  - Formal Agreement between Partners
- Basic Assessment Criteria
  - Partnership and Partners
    - Well balanced partnership
    - Added Value through co-operation



- Technology Capacity of all Partners
- Managerial Capacity of all Partners
- Project Structure
  - Methodology and Planning Approach
  - Milestones and deliverables
  - Cost and financing structure
  - Financing commitment of each Partner
- Technology and Innovation
  - Technological Advance
    - Degree of technological maturity and risk
    - Technological Achievements
  - Innovation
    - Degree of innovation
    - Geographical / sector impact
- Market and Competitiveness
  - Market and profitability
    - Market size
    - Market access and risk
    - Return on investment
  - Competitive advantages
    - Strategic importance of the project
    - Enhanced capabilities and visibility

➤ **FUNDING DECISIONS**

MNRE and CDTI will, after having formed their mutual understanding on the projects to be funded, make their funding decisions according to their normal procedures.

MNRE and CDTI will inform the grantees about the funding decisions according to their normal practices.

➤ **ADMINISTRATION OF THE FUNDED PROJECTS**

Funding granted by MNRE and CDTI will be governed by the general terms and conditions of each funding organisation, respectively.



➤ **HOW TO FIND PARTNERS? – FURTHER INFORMATION**

MNRE and CDTI are willing to help Indian organisations find Spanish partners and viceversa.

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

Indian side (MNRE)

Dr. Ashvini Kumar  
Scientist 'F'  
Ministry of New and Renewable Energy  
Block-14, CGO Complex, Lodi Road  
New Delhi – 110 003, India  
Phone: 011-2436 3546  
Email: [ashvinikr@nic.in](mailto:ashvinikr@nic.in)  
Website: [www.mnre.gov.in](http://www.mnre.gov.in)

Spanish side (CDTI)

CDTI Technology Advisor assigned to the entity or  
Unit of Energy, Chemistry, Environment, Manufacturing and Services /  
Directorate of Global Innovative Markets /  
Centre for the Development of Industrial Technology  
Address: Cid 4 – 28001 Madrid, Spain  
Phone: 91 581 55 00  
E-mail: [info@cdti.es](mailto:info@cdti.es)  
Website: [www.cdti.es](http://www.cdti.es)



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

Budget head	Amount (€)			
	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 entity

Item	Amount (Rs in million)			
	1 st Year	2nd Year	3rd Year (if applicable)	Total
Equipment				
Manpower*				
Consumables				
Contingencies/ Other Costs				
Travel				
Consultancy				
Overheads (if any)*				

- These items are not a part of eligible costs generally.

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

### 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	
Other 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

Other participants



## 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.