

DEPARTMENT OF SCIENCE & TECHNOLOGY (DST)

and

RESEARCH COUNCIL OF NORWAY (RCN)

CALL FOR PROPOSALS (2017)

Last date for submission of proposals: 24 May 2017

Under the Agreement between the Government of India and the Government of Norway on Cooperation in the fields of science and technology, the Department of Science and Technology (DST) from Indian side and the Research Council of Norway (RCN) from Norwegian side coordinate the programme for joint funding of collaborative research projects in mutually agreed fields to achieve world-class scientific results.

Both sides now intend to support innovation projects within the field of renewable energy. Norwegian funding is part of the two RCN programmes INDNOR and ENERGIX. Up to 8 million NOK (6,3 cr rupee) is available from these programmes for allocation to Norwegian companies in collaboration with research institutions. The total budget from the Indian Department of Science and Technology will cover activity matching funding and in-kind contributions for Indian project investigators in collaboration with Indian companies for a mutually agreed number of projects, , subject to max of **Rs. 40 Lac per project**, for total duration of max 3 years.

DST and RCN invite Indian and Norwegian researchers/institutions and companies to submit innovation project proposals within renewable energy. The proposed collaboration should strengthen already on-going research and innovation activities in each research group and contribute significantly to added value for the companies involved.

The purpose of the call is to strengthen both industrial collaboration to the benefit of companies in both countries, and collaboration between R&D institutions.

Scientific part

The projects should strengthen collaboration in R&D between Indian and Norwegian companies and research institutions. Research institutions in Norway and India must be included as partners on each side, to secure the research content of the collaboration.

DST and RCN invite Indian and Norwegian companies to submit research proposals within fields of renewable energy, encompassing research activities within technology and natural sciences and not. The call will not be open for proposals within the field of social sciences.

After a matchmaking event organized for Indian and Norwegian stakeholders in the Norwegian Embassy in New Delhi 8-9 February 2017, the following thematic areas are given as examples to be covered by the call:

- Renewable Energy
 - o Hydropower
 - o Wind and Ocean Energy
 - o Solar Energy
 - o Bioenergy
- Energy System
 - o Grid Integration
 - o Off-grid energy systems
 - o Energy storage

- Energy Use and planning
 - o Smart cities

Administrative part

Who can apply

Joint proposals must be developed in cooperation between Principal Investigators (PIs) representing an industry company in Norway and an industrial partner in India. Each partner PI must submit separate research proposal from their institution. There should not be more than one contract partner from each country in each project. It is required to have one (or more) research institution(s) as collaborating partner in each country. Commitment for own contribution from the company must be shown in the application. It is not open for participants from other countries than India and Norway.

Available budget

A budget of up to NOK 8 million (equivalent to INR 6,3 Cr) in total will be available from the RCN.

The total budget from the Indian Department of Science and Technology will cover activity matching funding and in-kind contributions subject to max **of Rs. 40 Lac per** project for a total duration of 3 years for mutually agreed number of projects.

Funding may be sought for innovation type projects. The projects can have duration of up to 3 years, including dissemination and network activities (workshops, conferences). The proposed RCN projects should have funding from RCN in the following range:

- NOK 1-2 million – **INR 7,88 millions** – 1,57 laks.

RCN will normally cover up to 50% of the total Norwegian cost, according to the State Aid Rules. The rest will be covered by the company/companies applying for support, either as direct funding or as in-kind contribution.

DST will cover the 50% of the cost of the project to the selected academic/ R&D Institution in India. The Industry partners from India are welcome to take part in the project by voluntarily contribution funding the 50% industry component of the project. DST will not provide any funding to Indian Industry.

Application procedure

Each proposal should have one Norwegian and one Indian Principal Investigator (PI).

Norwegian PIs (company) must submit the proposal to the RCN electronically using the My RCN Web.

Indian PIs (research institution) must submit the proposal to the DST (Department of Science and Technology).

The proposals should be identified with a common short name/acronym, and a joint (common) project description should be enclosed. The proposals submitted to the respective funding agencies must be identical.

In the joint project description, activities should be clearly described according to a timeline, and may be organized into work packages when appropriate.

- Milestones should be identified that can be used to easily follow the progress of the project.

- Budget information should be detailed and clearly presented, and should, when necessary, be specified in the project description.
- Management structure and partner roles must be described.

Proposals for funding from the DST must be submitted according to the rules and regulations of the DST.

Proposals for funding from the RCN must be submitted electronically according to the rules and regulations of the RCN. following specific guidelines apply to RCN proposals submitted under this call:

- The proposal and project description (a maximum of 8 pages, Times New Roman 12-point font, footnotes and references included) must be well-structured and clearly written in English.
- A resource table showing the different sources of funding and in-kind contributions should be part of the project description or a separate attachment. It is important to clearly state the distribution of total funding as well as financial and in-kind contributions from different partners and other sources for assessment purposes.
- There is no specific template for the project description, as this is a bilateral collaboration. However, the template for Innovation projects can be used as far as it is relevant. It is, anyhow, of crucial importance that all elements mentioned under "Assessment and joint decision-making procedure" are clearly described. Information about the collaboration is of special importance.

All international cooperation must be documented by letter of intent.

What types of activities are eligible for funding

Funding may be sought for innovation type projects The financial support from DST shall be available for mobility (up to 2 visits per year from each side with sending side provides international travel-related expenses while the receiving side provides the local hospitality as per their national norms) of project participants; one manpower ie JRF/SRF, RA etc ; minor equipment (accessories) for up to Rs. 5.0 Lac; and chemicals / consumables/ contingency up to Rs. 5.0 Lac per year.

The provisions for local hospitality, as mentioned above are as follows:

- Norwegian scientists visiting India shall be paid an amount of INR 2500/- ,- per day towards food and out of pocket allowances, or as agreed in contract negotiations for each project plus fully furnished guest house accommodation on actual cost at the host Institute. In case a suitable guest house accommodation is not available at host institute, accommodation would be arranged by the host institute in a suitable hotel/guest house subject to max charges of Rs. 4000/- per day.
- Indian scientists visiting Norway on short term basis shall be provided an amount of NOK 460,- per day and 13 800,- per month on a long term visit towards food and out of pocket allowances, or as agreed in contract negotiations for each project
- For short term visits the maximum payment shall not exceed the total per diem for 20 days
- Free furnished accommodation in a guest house or a hotel with reasonable amenities and facilities shall be provided
- Transport to and from the airport for visiting scientists shall be arranged. In case of senior scientists (in the rank of director or above), transport shall be provided for all official engagements.

Proposals incorporating own/additional funding and projects that can demonstrate sustainable commitments from own institutions or other sources during and/or beyond the project period are encouraged.

Assessment and joint decision-making procedure

The project proposals will be assessed separately according to the rules of procedure in each country. In addition to the general scientific criteria, the level of integration of partners and distribution of resources (financial and in-kind) as well as project organization will be subject to consideration.

The RCN will use international experts in its assessment procedure, either expert panels or referees, followed by the ranking of recommendations by the programme board of the programme ENERGIX. Assessment will be based on the standard assessment criteria for Researcher Projects.

The DST and the RCN will implement a joint decision-making procedure to determine the outcome of the call. Projects must receive a high assessment score in both countries to be funded. The selected projects will receive funding from the DST and the RCN.

Additional information

Contracts

The RCN will enter into a contract with the Norwegian applicant for the Norwegian portion of the project.

Agreement on rights to and use of findings and partner obligations (collaboration agreement)

A consortium agreement detailing the obligations of each partner must be drawn up before the contract with the RCN is signed. The collaboration agreement should include specification of the rights to and use of findings (IPR). A copy of the consortium agreement between the project partners must also be submitted to DST at the time of submission of the proposal.

Language

The call for proposal is in English language only which also is legally binding.

The funding from Indian side shall be released through a sanction order issued by DST indicating all terms and conditions of the grant. Any formal clearance/ approval pertaining to any kind of regulation by nodal departments/organizations concerning foreign collaboration must be completed before sanction of the project by DST.

PROPOSAL SUBMISSION

Indian and Norwegian applicants shall submit applications in English to DST and RCN.

For Indian applicants may use the Application given at Annexure. The application should include a jointly formulated and identical copy of the project description, including acronym, submitted to the RCN by the Norwegian partner. **Only one original hard copy of the completed application (by post through proper channels) at the following address. Soft copy in a single soft file (do not include any scan page in the soft copy as signatures are not required in softcopy of the proposal) in ms-word or pdf format as email attachment are required to be submitted. However, only the hard copy of the applications received before the due date will be accepted. DST does not hold any responsibility of not receiving the proposal due to postal delays etc. Incomplete applications will be rejected.**

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For Norwegian applicants, application as per the procedure indicated above be submitted to RCN via the RCN electronic application system (www.rcn.no for guidelines).

Contact Persons in Norway:

Merethe Sandberg Moe (mm@rcn.no, +4722037159) and Trygve Utheim Riis (tur@rcn.no, +4722037347).

**Last date for submission of the proposals in India and Norway :
24 May 2017**



DST APPLICATION (for Indian Participants only)
(DST India- RCN Norway joint cooperation PROGRAMME)

PART –I

1. Title of the project:
2. Subject Area (as specified in the announcement)
3. Contact details / Address of the project leaders:

	Indian project leader	Norwegian Project leader
Name & Designation		
Address		
Telephone (Work)		
Telephone (Residence)		
Fax No.		
Email ID		

PART-II

1. Scientific objectives and individual components of the joint project: (max. ½ page)
2. Current state of the research/ technology (max. 2 pages)
3. Preliminary activities by the Indian side (max. 1 page)
4. Preliminary activities by the **Norwegian** side (max. 1 page)
5. Detailed description of the Indo- **Norwegian** co-operation (max ½ page)
(Justification/ Rationale for collaboration)
6. Compatibility of intensions of both sides with regard to individual components of the project, working method of equipment (max. 1 page)
7. Promotion of the new Generation of academicians
(Participation of young research students) (max. ½ page)
8. Where appropriate, the way in which the project results could be used by Industry and others (½ page)
9. List of the five most important publications of the project participants, which have a bearing on the project (please do not send copies of the publications themselves or lists detailing all publications of the group)

PART-III (For Indian partners only)

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

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 including Ph.D. students, 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. Does the project involve (i) Biological Material Transfer / Use of GMOs / Radioactive materials; (ii) Human / animal trials? Please submit necessary clearance of nodal agency / department of Govt in this regard

3. Certified that the Institute/University/Lab is registered at Central Plan Scheme Monitoring System (CPSMS) website of Comptroller & Audit General (CGA). The grants/funds may be released as per the Bank detail given below-

S. No.	Item	details
1.	Account No.	
2.	Name of the account	
3.	Account type	Saving /Current
4.	Name of the Bank	
5.	Address of the Bank	
6.	IFSC code	
7.	Details of the present authorised signatory to the account	

INSTITUTIONS ENDORSEMENT

Certified that –

- i) The project participants involved in the project are affiliated to the Institute/ University.
- ii) All information provided in the project proposal is correct; and
- iii) the infrastructural facilities related to the project activity is available in this Institution including equipment, manpower and other facilities and all necessary administrative support will be extended for the project

Signatures Indian PI

Signatures Norwegian PI

**Signatures Head of Indian Institution:
With Seal**

**Signatures Head of Norwegian Institution:
with seal**

**DETAILS OF PROPOSED SCHOLARSHIP
INDIAN PARTICIPANTS**

(Please use a separate form for each year of the project)

FIRST YEAR

Name of Indian Scientists/ student visiting Norway	Qualifications (Academic degree) and present Appointment/ Position	Purpose of visit	Dates of proposed visit and duration of stay in Norway	Travel cost from Indian Home Institution to Norwegian Partner Institution including surface/rail travel in India and Austria 1n Rs. And in following order: Air Fare including taxes (IATA excursion) Surface travel in India Surface travel in Norway	Cost of Overseas Insurance Cover for Indian visitor In Rs.
1					
2.					
TOTAL				Rs.....	Rs.....

* Applicants who do not hold a doctor's degree are requested to specify their academic status (Graduate doctoral candidate) and attach bio-data of each of the above Indian participants

DETAILS OF PROPOSED SCHOLARSHIP
INDIAN PARTICIPANTS
(Please use a separate form for each year of the project)

SECOND YEAR

Name of Indian Scientists/student visiting Norway	Qualifications (Academic degree) and present Appointment/ Position	Purpose of visit	Dates of proposed visit and duration of stay in Norway	Travel cost from Indian Home Institution to Norwegian Partner Institution including surface/rail travel in India and Austria 1n Rs. And in following order: Air Fare including taxes (IATA excursion) Surface travel in India Surface travel in Norway	Cost of Overseas Insurance Cover for Indian visitor In Rs.
1					
2.					
TOTAL				Rs.....	Rs.....

* Applicants who do not hold a doctor's degree are requested to specify their academic status (Graduate, doctoral candidate) and attach bio-data of each of the above Indian participants

DETAILS OF PROPOSED SCHOLARSHIP
Norwegian PARTICIPANTS
(Please use a separate form for each year of the project)

FIRST YEAR

Name, First Name* of Norwegian Participant visiting India	Qualifications (Academic degree) and present Appointment/ Position	Purpose of visit	Dates of proposed visit and duration of stay in Indian Institute	Proposed rate/ Charges for Institutional / Guest House accommodation in India	Expenses on account of per-diem as admissible
1					
2.					
3.					
TOTAL (For Per diem and lodging for Norwegian participants)				Rs.....	Rs.....

* Applicants who do not hold a doctor's degree are requested to specify their academic status (Graduate, doctoral candidate) and attach bio-data of each of the above **Norwegian** participants

DETAILS OF PROPOSED SCHOLARSHIP
Norwegian PARTICIPANTS
(Please use a separate form for each year of the project)

SECOND YEAR

Name, First Name* of Norwegian Participant visiting India	Qualifications (Academic degree and present appointment / Position	Purpose of visit	Dates of proposed visit and duration of stay in Indian Institute	Proposed Charges for Institutional/ Guest House accommodation in India	Expenses on account of per-diem as admissible
1					
2.					
3.					
TOTAL (For Per diem and lodging for Austrian participants)				Rs.....	Rs.....

* Applicants who do not hold a doctor's degree are requested to specify their academic status (Graduate, doctoral candidate) and attach bio-data of each of the above **Norwegian** participants.