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**ANERT**

**Agency for New and renewable Energy Research and Technology**

നവീനവും പുനരപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി

DEPARTMENT OF POWER, GOVERNMENT OF KERALA

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## Supporting R&D and Innovation (SRI) 2023-24

### CALL FOR PROPOSALS (COLLABORATIVE PROJECTS)

ANERT has been implementing the programme “Supporting R&D and Innovation - (SRI)” to promote R&D and innovative ideas and to pilot new models in Renewable Energy (RE) sector since 2018-19. Financial assistance is provided for conducting technical studies/technology appraisal, prototype development etc. As part of this programme for the year 2023-24, it has been decided to take up a few projects in collaboration with other reputed institutions.

ANERT invites proposals from eligible institutions for carrying out collaborative research according to the guidelines of the programme SRI 2023-24. The detailed Guidelines of the Programme are given below:

#### GUIDELINES OF SRI 2023-24

##### 1. Eligibility

The following institutions/departments are eligible to apply:

- 1) Affiliated institutions of State/Central Universities in Kerala
- 2) Departments of State/Central Universities in Kerala
- 3) Deemed to be universities in the Government sector (State/Central) in Kerala or
- 4) R&D institutions in the Government sector (State/Central) in Kerala.

##### 2. How to Apply?

Application in the prescribed format shall be submitted to

The Chief Executive Officer, ANERT

PMG-Law College Road, PMG

Thiruvananthapuram-695033

Ph: 0471-2338077, 1800 425 1803 (Toll Free)

before the last date. **Last date for receipt of applications is 30<sup>th</sup> April 2024.**

### 3 Terms and Conditions

#### I. GENERAL

1. Institutions meeting the above eligibility criterion only need apply.
2. The proposal shall be for conducting research/implementing an innovative idea in the field of RE in collaboration with ANERT.
3. The Head of Institution (HoI) of the applicant (Registrar in the case of University departments) has to nominate one each of the faculty members as Principal Investigator (PI) and Co-Principal Investigator (Co-PI) of the project. The PI and Co-PI should have field knowledge and relevant experience in the chosen area/topic.
4. The PI shall be responsible for application, successful conduct and final settlement of the project. The Co-PI shall be capable of taking up the responsibility of fruitful completion of the project in the unforeseen event of discontinuation by the Principal Investigator. Hence the faculty nominated as PI and Co-PI should have sufficient service left to complete the project.
5. In the unforeseen instance of the PI leaving the institution, HoI in consultation with ANERT shall evolve steps to ensure successful completion of the project, before relieving the PI. The PI should submit the complete and detailed report of the work done including financial progress before leaving the institution.
6. Only one application shall be submitted for a project failing which the application will be liable for rejection.
7. Only 1 project per Principal Investigator shall be submitted. In case of receipt of more than one application with same faculty member as PI, ANERT shall be at liberty to consider any/none of those applications.
8. The PI should have submitted a pending Utilisation Certificate (UC)/Statement of Expenditure (SoE) concerning any of the earlier programmes of ANERT before applying. If shortlisted, certificate regarding pending UC/SoE in the prescribed format will have to be submitted as part of the proposal.

#### II. APPLICATION

1. The PI shall submit application in the prescribed format to ANERT through his/her institution.

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2. Application shall contain a brief Project Proposal on a topic related to Renewable Energy. The proposal should be for carrying out the project in collaboration with ANERT by the applicant institution or jointly with other research partners meeting the eligibility criterion 1 of I.
3. The roles and responsibilities of the applicant institution, ANERT and other research partners, if any shall be specifically and clearly mentioned in the proposal. If selected, an MoU will have to be signed among the applicant institution, ANERT and other research partners.
4. The other research partners shall nominate one each of their Faculty/Scientists/Engineers/Technologists as Co-Investigator of the Research Project. These investigators should have adequate expertise and experience to carry out the roles and responsibilities entrusted with each of them. Necessary consent from the investigators shall be obtained.
5. Biodata of the PI that depicts the personal details, educational qualifications, experience, details of projects undertaken/being undertaken with status of each and list of publications shall be submitted along with the Application. If shortlisted, biodata of Co-PI and Co-Investigators will have to be submitted.
6. Applications from Central Government institutions will be considered only if it is a joint proposal involving at least one State level institution/Department of State University. In such cases, the financial assistance for equipment/software provided under the scheme shall invariably be given to the State level institution/University Department.
7. The maximum duration for implementation of the proposal shall be 3 years.
8. The brief Project Proposal shall specify the principle, objectives, methodology, subhead wise budget with yearly break up and detailed schedule for implementation in the prescribed format as clearly as possible. The available details may be provided in the application and care may be taken to see that the responses given are to the point. A detailed proposal will have to be submitted in the case of shortlisted proposals.
9. Detailed item wise budget for executing the proposal properly classified under the specified subheads will have to be provided later, if shortlisted.

### III. FINANCIAL ASSISTANCE

1. The applicant institution along with the research partners if any, is expected to have all the general infrastructure, software and equipment facilities required to carry out the proposed research work. Therefore, financial assistance under software/ equipment heads will be limited respectively to the cost of only those specialised equipment/software specifically required for the proposed work that are not available with the applicant, research partners or nearby institutions.
2. The financial assistance from ANERT to private institutions under software and

equipment heads will be limited to 50% of the cost of software/equipment and the balance need to be borne by the private institute(s).

3. The research partners can share a higher portion of the expenditure from their own funds and the details of the proposed share of each research partner shall be clearly mentioned in the proposal. However, the applicant institution is not permitted to seek or utilise funds from any other external source for the research project. On approval of the proposal, an undertaking in this regard will have to be submitted by the applicant.
4. The emoluments of personnel on the regular roles of the institutes cannot be borne in the project.
5. International travel is normally not permissible under this programme.
6. The financial assistance shall not be utilized for purchase of vehicle or construction of any building.
7. An amount up to 5% of the total project cost as decided by ANERT shall be sanctioned as overhead expenses to the Recipient Institution. In the case of joint proposals, this amount shall be shared among the members as agreed among them.

#### IV. EVALUATION AND APPROVAL

1. In the first stage, a shortlist of proposals will be prepared based on the completeness of the application, novelty of the proposal, feasibility of the proposal, its relevance in the field of RE and conformity to the Guidelines.
2. Evaluation of the shortlisted proposals will be done by a technical committee appointed for the same and eligible projects will be recommended for implementation.
3. As part of the shortlisting/evaluation, discussions with the applicant and other research partners/presentations by the applicant etc. may become necessary. ANERT may call for additional documents/information/data at any stage of the evaluation, which shall be submitted promptly.
4. The projects recommended by the technical committee will subsequently be considered by ANERT for approval subject to availability of funds. The decision of ANERT in this regard shall be final.
5. Approval Order incorporating the applicable terms and conditions will be issued for the proposals selected by ANERT.

#### V. RELEASE OF FUNDS

1. The financial assistance will be released in instalments. The first instalment will be 25% of the financial assistance. For release of the first instalment, the conditions in the approval order shall be completed and the required formalities shall be completed.

Based on a specific request, release of higher amount as first instalment could be considered on a case to case basis for purchase of equipment and software which are necessary in the initial phase of research itself.

2. The date of the order releasing first instalment of the financial assistance shall be considered as the start date for implementation of the proposal. The work shall be started only after this start date.
3. Further instalments will be released as decided by ANERT only after receiving the Progress Report(s).
4. Any portion of the financial assistance, which is not ultimately required/used for the project, shall be duly surrendered to ANERT.
5. The amount sanctioned as overhead expenses would be released only at the time of final settlement of accounts by ANERT.

## VI. IMPLEMENTATION

1. The implementation of the project shall be strictly as per the Guidelines and the terms and conditions specified in the approval order.
2. The research partners as well as the applicant should provide full infrastructural facilities such as accommodation, water, electricity, library, communication facilities etc. required for smooth implementation of the project.
3. The applicant or the research partners shall not entrust the implementation of the work to another institution nor shall they divert the amount received as financial assistance to other institutes as assistance.
4. Any collaboration with a foreign party (individual/ institution) for the project being supported by ANERT shall be with prior approval of ANERT.
5. Re-appropriation of funds among different heads is normally not allowed. If any reallocation/ re-appropriation of the sanctioned amount under different heads becomes inevitable, it should be done only with prior approval from ANERT.
6. The recipient institution shall maintain a separate bank account exclusively for implementation & management of the project and details of the bank account will have to be reported to ANERT. The interest accrued will be treated as a credit to the recipient institution to be adjusted towards future instalments of the financial assistance and should be reflected in the Statement of Expenditure.
7. Accounts related to the execution of the project shall be maintained properly and it is open to audit by Accountant General. Also, ANERT reserves the right to order verification/audit of accounts by any officer/external agency authorized by it. Hence, the accounts related to the project shall be kept safely for any such verification/audit.

8. For permanent, semi-permanent or infrastructural assets acquired from the financial assistance, an audited record in the form of a register in the prescribed format shall be maintained by the Recipient Institution. The term "Assets" include (a) the immovable property acquired out of the financial assistance and (b) movable property of capital nature if its value exceeds Rs 10,000/-. The Recipient Institution is required to send to ANERT the details of assets acquired using the financial assistance.
9. All the assets acquired in the project shall be the property of ANERT (or shall be shared proportionally with ANERT in accordance with the cost sharing pattern if the project is not fully funded) and such assets should not be disposed of, encumbered or utilized for purposes other than those for which the financial assistance had been sanctioned, without the prior sanction of ANERT.
10. After completion/termination of the project, ANERT will be free to sell or otherwise dispose of the assets, which are the property of ANERT. The Recipient Institution shall render to ANERT necessary facilities for arranging the sale of these assets. ANERT also has the discretion to gift the assets to the Recipient Institution for research purpose or transfer them to any other Institute if it is considered appropriate and justified.
11. ANERT reserves the right to terminate the project at any stage if it is convinced that the sanctioned amount has not been properly utilised or sufficient progress has not been reported under the project or sufficient efforts have not been devoted.

## VII. MONITORING

1. The PI shall furnish half yearly Progress Reports of the project in the prescribed format. Apart from these periodic Progress Reports, financial and physical progress shall be reported whenever asked for.
2. Officer(s)/Scientists of ANERT or an Expert Committee deputed by ANERT may visit the Recipient Institution/research partner to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. The concerned institution shall facilitate such visits.

## VIII. FINAL SETTLEMENT

1. On completion of the research, draft Project Report shall be submitted and a presentation on the implementation of the project and major achievements shall be done. After evaluation, the technical committee will decide on permitting final settlement of the project.
2. Within one month of obtaining permission from the technical committee, the following documents (hard copy and soft copy) shall be submitted to ANERT for final settlement of the project.
  1. Technical Documents
    - a) Final Project Report in prescribed format (soft bound)

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- b) Copies of Publications and
  - c) Photographs
2. Financial documents
- a) Audited Statement of Expenditure - SoE and
  - b) Utilisation Certificate – UC.
3. The Financial documents in the prescribed format shall be signed by the authorized person as in below table and shall be countersigned by HoI.

Sl. No.	Category of Institution	Authorized Person
1	Central/State University Departments	Finance officer of the University
2	Institutions in the Government sector	Head of Finance/HoI
3	Other Institutions	Chartered Accountant

4. After verification of the submitted documents, the eligible amount will be disbursed to the Head of Institution. In case, the released amount had been in excess, the balance amount will have to be refunded to ANERT before final settlement of accounts.

#### VI. MISCELLANEOUS

1. The investigators shall try to publish their findings in reputed scientific journals and to present the results in conferences/seminars. ANERT should be duly acknowledged in all publications associated with the project. However, if the results of the research are to be legally protected by way of patent/copy rights etc. the results should not be published without action being taken to secure legal protection for the research results.
2. ANERT will have right on the knowledge generated from the project and any filing of patents/transfer of technology shall be only done in consultation with ANERT. The financial benefits from transfer of technology will have to be shared with ANERT in the ratio of financial contribution.
3. No personnel appointed under the project, are to be treated as employee of ANERT and ANERT will have no liability, whatsoever, in this regard.
4. Emoluments of manpower recruited for the project shall be in accordance with the Guidelines issued by Government of India and Government of Kerala as applicable to the Recipient Institution.

For further details contact:

The Chief Executive Officer, ANERT

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Thiruvananthapuram-695 033

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E-mail: info@anert.in

**Signed by**

**Narendra Nath Veluri I F S**

**Date: 21-03-2024 11:56:26**

CHIEF EXECUTIVE OFFICER