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അനേർട്ട്
ANERT

Agency for New and renewable Energy Research and Technology

നവീനവും പുനരപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി
DEPARTMENT OF POWER, GOVERNMENT OF KERALA
Law College Road, PMG, Thiruvananthapuram 695033 • director@anert.in • www.anert.gov.in
Tel.: (+91-471) 2338077, 2334122, 2333124, 2331803 • Fax: (+91-471) 2329853



Format: ANERT/R&D/SRI 2020-21/F-02 Ver 1.0 dt. 15/12/2020

Project Proposal

(To be submitted in duplicate)

I. Project Profile

1.	Name and Designation of the Applicant	
2.	Official Address of the Applicant (with E-mail id, Fax No., Office Ph. No. & Mobile No.) <i>(Endorsement from the applicant on letter head to be enclosed-Format 1)</i>	
3.	Category Applied <i>(Tick Appropriately)</i>	Institution/Consortium
4.	Category of Applicant's Institution/Lead Institution <i>(Tick Appropriately)</i>	Academic Institution (Government/Aided) Academic Institution (Government Controlled) Academic Institution (Private) R&D Institution (in Public Sector)-Central R&D Institution (in Public Sector)-State Registered NGO University Department
5.	Registration No. (In the case of NGOs) <i>(Copy of the Registration Certificate to be enclosed)</i>	
6.	Name and Address of the Consortium members	
7.	Project title	
8.	Research Category <i>(Tick Appropriately)</i>	Sponsored Research/Collaborative Research
9.	Area of Research <i>(Tick Appropriately)</i>	Bio Energy Solar PV Solar Thermal

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		<p>Wind Energy</p> <p>Storage and Electric Vehicles</p> <p>Wave Energy</p> <p>Miscellaneous</p>
10.	Topic/problem selected for research : (Select from Annexure 1 of Guidelines)	
11.	Duration of the Project (months)	
12.	Project Cost (in Rs.) a) Total Project Cost b) Financial support requested from ANERT c) Applicant's Contribution	
13.	Details of Principal Investigator a. Name and Designation b. Official address (with E-mail id, Fax No., Office Ph. No. & Mobile No.) c. Date of entry in present service d. Date of superannuation (Certificate from the Investigators - PI and Co-PI - to be enclosed-Format 2)	
14.	Details of Co-Principal Investigator a. Name and designation b. Official address (with E-mail id, Fax No., Office Ph. No. & Mobile No.) c. Date of entry in present service d. Date of superannuation (Consent from the Co-Principal Investigator to be enclosed-Format 3)	
15.	Details of Co-investigator(s) a. Name and designation b. Official address (with E-mail id, Fax No., Office Ph. No. & Mobile No.) c. Date of entry in present service d. Date of superannuation (Certificate from the Co-Investigator(s) to be enclosed-Format 4)	
16.	Whether the PI has received financial support under any schemes of ANERT: If yes, a. Name of scheme, duration & date of start b. Amount sanctioned and released c. Whether completed. d. Whether Final Project Report submitted. e. Whether account settled	

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	(Certificate regarding pending SoE/UC in prescribed format to be enclosed-Format 5)	
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II. Technical Information

A	General
	1. Title of the Research proposal
	2. Project Type (Select from below) 1) Development of new RE technology/systems/processes 2) Up-gradation/improvement of present RE technology/systems /process 3) Cost optimisation of various RE technology/systems/processes 4) Innovative use of RE technology to solve problems of day to day life 5) Triggering breakthroughs that will entirely change the way RE is used and 6) Development, up-gradation or Retrofitting in energy storage and e mobility.
B	Abstract (one page)
C	Technical Proposal 1. Relevance vis-à-vis state needs 2. Status of research on the proposed topic: (a) National Status (b) International Status 3. Gap areas 4. Objectives 5. Methodology 6. Roles and Responsibilities of each consortium member 7. Work plan including time schedule & chart 8. Details of R&D/Innovation component in the proposed work
D	Bio data of Principal Investigator, Co-PI and Co-Investigators 1. Detailed bio-data of PI with E-mail id, Fax No., Office Ph. No. & Mobile No 2. Detailed bio-data of Co-PI with E-mail id, Fax No., Office Ph. No. & Mobile No 3. Detailed bio-data of Co-I with E-mail id, Fax No., Office Ph. No. & Mobile No <i>(Detailed bio-data of PI & Co-PI and Co-Investigators should be included in each copy of the proposal)</i> 4. Experience of PI in the concerned field <i>(Should include List of publication of PI in the relevant field)</i> 5. Status of the projects currently with PI. Title Funding agency Duration Status 6. Self appraisal of the PI to execute the project 7. Benefits to the Society from the proposed work and relevance to the knowledge upliftment
E	Facilities at the Participating Institution 1. List of equipment and facility available with the institution/PI. 2. Details of equipment/facilities indicating free time (%) 3. Details of special software & equipment required with justification for purchase including the details of the nearest lab/institution where the facility is available
F	Budget (Limit within the following Sub-heads)

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(Note: The date of the order releasing first instalment of the financial support shall be considered as the start date for implementation of the proposal. Insert additional columns if required.)

SI No.	Description				Amount (Rs.)			
					Year 1	Year 2	Year 3	Total
1	Design							
i								
ii								
Sub head Total								
2	Fabrication and Installation							
i								
ii								
Sub head Total								
3	Project Manpower							
Sl. No.	Name of Post	No. of Posts	Duration (months)	Emoluments (per month)	Amount (Rs.)			
					Year 1	Year 2	Year 3	
i	Project Fellow/RA							
ii	Technical Assistant							
iii								
Sub head Total								
4	Software							
i								
ii								

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Sub head Total								
5	Equipment							
Sl. No.	Name of Equipment	Quantity	Rate (Rs.)	Amount (Rs.)				
				Year 1	Year 2	Year 3		
Sub head Total								

6	Instrumentation							
i								
ii								
Sub head Total								

7	Consumables							
Sl. No.	Item	Quantity	Rate (Rs.)	Amount (Rs.)				
				Year 1	Year 2	Year 3		
Sub head Total								

8	Testing							
i								
ii								
Sub head Total								

9	Travel							
i								

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ii					
Sub head Total					
10	Contingencies (upto 5% of sum of Items 1 to 9 and to be claimed on the basis of actual expenditure during settlement)				
GRAND TOTAL					

List of documents enclosed (Submit all the required documents and tick against each of them)

- Endorsement from the Applicant (on letter head)
- Copy of Registration Certificate in the case of NGOs
- Certificate from the Investigators (PI and Co-PI)
- Consent from the Co-Principal Investigator
- Consent from all the Co-Investigators (..... Nos.)
- Certificate regarding pending UC/SoE and
- Detailed bio data of the PI and Co-Principal investigator and Co-Investigators

Place Name & Signature of PI
Date

FORMATS

1 Endorsement from the Head of Institution/Department

(To be submitted on letter head)

Project Title: _____

1. Certified that this Institution/Department has nominated Dr./Mr./Ms.....
(Name and Designation) as the Principal Investigator and Dr./Mr./Ms.....
(Name and Designation) as the Co-Principal Investigator for the above titled project and that in any unforeseen event of discontinuance by the Principal Investigator, Co-Principal Investigator will assume the responsibility of fruitful completion of the project.

2. Certified that all the essential general software, equipment and infrastructure facilities to carry out the proposed research work are available in this institution/consortium members and these facilities alongwith such other administrative facilities as per terms and conditions of the Financial Support will be extended to the investigator(s) throughout the duration of the project.

3. Certified that the specialised software and equipment for which financial support has been requested are not available in this institution, consortium members or in any of the nearby

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labs/institutions.

4. This Institution/Department assumes to undertake the financial and other management responsibilities of the project.

5. As the Lead Institution, we have entered into a formal agreement with consortium members regarding the roles & responsibilities and sharing of overhead expenses. *(Strike off if not applicable)*

Place:

Name and Signature of Head of Institution/Dept.

Date:

(Office Stamp)

2. Certificate from the Investigators

Project Title :

1. I/We agree to abide the terms and conditions of the financial support.
2. I/We have not submitted the same project proposal elsewhere for financial support.
3. I/We have explored and ensured that all the essential general software, equipment and infrastructure facilities will actually be available as and when required for the purpose of the projects. I/We shall not request financial support under this project, for procurement of these items.
4. I/We undertake that spare time on permanent equipment will be made available to other users.

Name and signature of Co- Principal Investigator
Investigator

Name and signature of Principal

Place :

Date :

3. Consent from the Co-Principal Investigator

Project Title:

I, *(Name of the Co-Principal investigator and Designation)* agree to work as the Co - Principal Investigator of the above titled project and in the unforeseen event of discontinuance by the Principal Investigator, I will assume the responsibility of the fruitful completion of the project.

Name and signature of Co-Principal

Investigator

Place:

Date:

4. Consent from the Co-Investigator

Project Title:

I,..... *(Name, designation and official address of the Co investigator)* have gone through the above titled project proposal submitted by*(Name of the Applicant and Institution)* for financial support from ANERT and agree to work as the Co-Investigator of this project. I also undertake the responsibility to make available the general software, equipment and infrastructure facilities in my institution to carry out the proposed research work alongwith such other administrative facilities as per terms and conditions of the Financial Support.

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Name and signature of

Co-Investigator

Place:

Date:

5. Certificate Regarding Pending Utilisation & Statement Of Expenditure Certificate

1. Whether any ANERT project / programmes was sanctioned earlier: YES/NO

2. If Yes

(i) File No. /Ref. No.

(ii) Title of the earlier project / programme

(iii) Amount sanctioned

(iv) Whether completed : YES/NO

(v) Whether the Principal Investigator has settled the accounts: YES/NO

Declaration

I have no pending Statement of Expenditure or Utilization Certificate with respect to any project / programmes of ANERT.

Place

Investigator

Date

Name and signature of Principal

Amit Meena I A S
Director