



# Himachal Pradesh Technical University

(A State Government University)

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No:HimTU-3(Acad)M-1-TWP/2019- 509-525

Dated: 28/05/2019

To

Principal/Directors  
Affiliated Engineering College (Covered under TEQIP-III of HPTU)

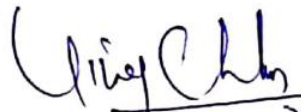
**Subject: Call for Proposals under Competitive Research Fund of TEQIP-III Project of HPTU.**

Sir,

As a part of TEQIP-III project, Himachal Pradesh Technical University announces competitive funding scheme for collaborative research from the faculty essentially involving two or more institutions for collaborative research and innovation projects. The duration of the project is one year with maximum permissible funding per research project of Rs. 3 Lakh.

The guidelines about the scheme, eligibility criteria along with the application performa and the evaluation criteria therein is enclosed as annexure-A (guidelines). In this context, it is requested that the information may be circulated among all the faculty members and the faculty members may be motivated to submit their collaborative proposals to the undersigned by post and by e-mail i.e. [deanplanninghptu@gmail.com](mailto:deanplanninghptu@gmail.com), [poteqiphptu@gmail.com](mailto:poteqiphptu@gmail.com) on or before the **June 15, 2019**.

Above is for your information and necessary action please.

  
TEQIP-III Coordinator 28/5/19

Endst. No. Even

Copy to:

1. National Project Implementation Unit, New Delhi for information please.
2. State Project, Implementation Unit, Sundernagar, for information please.
3. Nodal Officer (Finance, H.P. Technical University, Hamirpur for information and necessary action please.
4. P.S. to Vice Chancellor, Himachal Pradesh Technical University, for information please.

# HIMACHAL PRADESH TECHNICAL UNIVERSITY HAMIRPUR

## COLLABORATIVE RESEARCH AND INNOVATION PROGRAMME

*under*

### Competitive Research Fund

*of*

### TEQIP-III Project

#### **About the Scheme**

The collaborative research programmes are significantly beneficial in building research community through the competitive fund for partnership among the various institutions to draw the research advantages of synergizing the research competence. In view of above, this programme will provide financial assistance through TEQIP-III Competitive Research Fund for building research communities, collaboration and networking among different institutions, enhancement in research outputs, and sharing & spreading knowledge and skill through multiple institutes.

#### **Objectives**

The objective of Collaborative Research and innovation program funded under TEQIP-III Scheme of H.P. Technical University, Hamirpur is as under;

- To provide financial assistance to create and update the research capabilities for young TEQIP faculty members of its various constituents/associated/affiliated Public & Private technical Institutions.
- To provide incentive to make collaboration on research and build research community among faculty members of affiliated colleges covered under TEQIP-III project.

### **TEQIP-III: Broad Guidelines for Competitive Research Fund**

1. The proposal should include a specific project title with focused objectives, methodology, action plan, details of other research items, financial requirements and expected outcomes to be proposed from the expectations of the project.
3. Amount of funding per research project (may not exceed 3 lakh), the heads for admissible expenditure, selection committee, evaluation mechanism etc. is explained in the guidelines.
4. Standard format for submission of proposal, mentioning title of the project, profile of applicants/ co-applicants and name of their institutions, research credentials, need (status) of the present research, objectives, societal relevance, methodology, action plan, financial requirements, expected outcome (SCI indexed publications, development of innovation product/ process, industry or societal relevant technologies ) etc. is given as annexure.
5. proposals from the faculty should essentially involve two or more institutions for collaborative research and innovation project. Project proposal shall be led by a lead institution and other will be network institutions.
6. The activities necessary for research and innovation, expected international travel and purchase of equipment, is permissible under the scheme.
7. The first installment (one fourth of the total project value) shall be transferred to the lead institution (through PFMS) in advance. Furtherwards, fund shall be released on reimbursement basis.
8. Collaborative Research Grant Program shall be implemented by HPTU on behalf of NPIU. Applications will be received by HPTU through Lead Institution.
9. The scheme will be implemented for 1 year (August 2019 to July 2020) and shall end by the conclusion of TEQIP-III.

## **Eligibility Criteria**

- (i) The proposal should be submitted by a group of faculty members (at least two), one as Principal Investigator (PI) from affiliated engineering college covered under TEQIP-III institutions (as Lead Institution) while among the others Co-Principal Investigators (Co-PIs), 1<sup>st</sup> Co-PI should essentially be from affiliated engineering college covered under TEQIP-III institutions (Network Institution). 2<sup>nd</sup> Co-PI can be from any institute/industry. The list of affiliated engineering colleges covered under TEQIP-III is enclosed as Annexure-VI
- (ii) For institute collaboration regarding research lab facilities priority should be given to IIT/NIT/Research Institute of National Importance like, IISER, NITTTR etc.
- (iii) Maximum two proposals can be submitted by one faculty as PI (Principal Investigator) in one while Co-PI in other.
- (iv) Only one proposal from faculty as PI (Principal Investigator) will be sanctioned.

Above points are the minimum eligibility criteria under this program, however screening/expert committee constituted by University will review and select the proposals.

## **Format of Collaborative Research Proposal**

The collaborative research proposal (s) should be related to the focused/thrust areas (mentioned below) and should consist of the following components;

1. Title of the Proposed Project.
2. Name and Details of the PI and Co-PIs with their brief resume.
3. Research Credentials and the importance of the proposed project at national and international level along with clear cut objectives.
4. Societal Relevance and the expected outcomes of the proposed project.
5. Methodology/Action Plan.
6. Financial requirements and components of funding along with the justification of each of them.

## **Focus Area**

1. Energy
2. Environment
3. Climate Change & Sustainable Habitat
4. Healthcare

5. Information & Communication Technology
6. Materials (Advanced)
7. Nanotechnology Hardware
8. Manufacturing
9. Security and defense
10. Water Resources

**Duration of Project:**

Duration of project will be One year from the date of sanction of the project.

**Limit of Funding**

Maximum funding for the sanctioned proposal will be Rs. 03 Lakh. The first installment (One fourth of the total project value) shall be transferred to the lead institution at the time of sanction of project. Further wards, fund shall be released on reimbursement basis.

**Head wise permissible limit**

- |   |   |      |
|---|---|------|
| 1) Field Work/Travel for Research Activities (national only)                  | - | 30%  |
| 2) Hiring Charges   | - | 15%  |
| 3) Research Lab Charges   | - | 20 % |
| 4) Publication Charges  | - | 05%  |
| 5) Contingency including consumable or non-consumable/software/books/journals | - | 30 % |

**(Note: Any re-appropriation of funds from one head to another will be allowed only after the approval from competent authority)**

**Terms and conditions**

- (i) The Principal Investigator has the primary responsibility of the implementation of the project.
- (ii) In case the Principal Investigator leaves the Institution, the 1<sup>st</sup> Co-PI shall act as PI with the approval of competent authority. It will be the responsibility of the 1<sup>st</sup> Co- Principal Investigator to complete the project as PI in the given time framework.
- (iii) The grant will be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one head to another shall be permitted after the approval of competent authority.
- (iv) Once the project is sanctioned, the HPTU shall not consider any request for additional grant.
- (v) Separate institutional overheads for execution of the project shall not be provided.

(vi) Out of the project grant, no funds can be used for going abroad to attend Conferences/Seminars. However, for presentation a paper in a Seminar/Conference within the Country, the travel expenses may be met from the field work/travel component of the grant.

### **Expected Outcome**

- Collaborative research and innovation programme handled by lead and network institution must develop academic as well as research relationship among TEQIP institutions.
- PI and CoPIs of performing institutions must promote their knowledge on sharing basis among TEQIP institutions.
- The performance of work done during the project must be explored in the form of Publications/Patents etc.

## Application Proforma cum Evaluation Sheet

<b>1.1</b>	<b>Lead Institution Details</b>		
(a)	Institute I.D No.		
(b)	Name of the Institute		
(c)	Type of the Institute (Govt./Private)		
(d)	Contact details/Address of Institution		
(e)	Email		
(f)	FAX		
(g)	Telephone		
(h)	PAN detail		
<b>1.2</b>	<b>Network Institution Details</b>		
(a)	Institute ID No.		
(b)	Name of the Institute		
(c)	Type of the Institute (Govt./Private)		
(d)	Contact details/Address of Institution		
(e)	Email		
(f)	FAX		
(g)	Telephone		
(h)	PAN detail		
<b>1.2.1</b>	<b>Details of the Principal Investigator (PI) from the Lead Institution</b>		
(a)	Faculty ID		
(b)	Name of the Co-PI		
(c)	Name of the Institution		
(d)	Department /Industry Sector		
(e)	Appointment Type	<i>Regular</i>	<i>Temporary</i>
		<i>Adhoc</i>	
(f)	Contact Details	Address	<i>Cell no</i>

(g)	PG	<i>Yes/No</i>	<i>Area of specialization</i>	
(h)	Ph. D	<i>Yes/No</i>	<i>Area of specialization</i>	
(i)	Teaching Experience in years			
(j)	Research & Industrial Experience in years			
(k)	Number of Publications in last 3 years (National / International journals)	<i>National Journal</i>	<i>International Journal</i>	
(l)	Number of Patents Registered			
(m)	Number of Ph D students Guided			
<b>1.3</b>	<b>Details of the 1<sup>st</sup> Co-Principal Investigator (Co-PI) from the Network Institution</b>			
(a)	Faculty ID			
(b)	Name of the Co-PI			
(c)	Name of the Institution			
(d)	Department /Industry Sector			
(e)	Appointment Type	<i>Regular</i>	<i>Temporary</i>	<i>Adhoc</i>
(f)	Contact Details	Address	<i>Cell no</i>	
(g)	PG	<i>Yes/No</i>	<i>Area of specialization</i>	
(h)	Ph. D	<i>Yes/No</i>	<i>Area of specialization</i>	
(i)	Teaching Experience in years			
(j)	Research & Industrial Experience in years			
(k)	Number of Publications in last 3 years (National / International journals)	<i>National Journal</i>	<i>International Journal</i>	
(l)	Number of Patents Registered			
(m)	Number of Ph D students Guided			
<b>1.4</b>	<b>Details of the 2<sup>nd</sup> Co-Principal Investigator (Co-PI) from any Institute/Industry</b>			
(a)	Faculty ID			



(b)	Name of the Co-PI					
(c)	Name of the Institution					
(d)	Department /Industry Sector					
(e)	Appointment Type	<i>Regular</i>	<i>Temporary</i>	<i>Adhoc</i>		
(f)	Contact Details	Address	<i>Cell no</i>			
(g)	PG	<i>Yes/No</i>			<i>Area of specialization</i>	
(h)	Ph. D	<i>Yes/No</i>			<i>Area of specialization</i>	
(i)	Teaching Experience in years					
(j)	Research & Industrial Experience in years					
(k)	Number of Publications in last 3 years (National / International journals)	<i>National Journal</i>			<i>International Journal</i>	
(l)	Number of Patents Registered					
(m)	Number of Ph D students Guided					
<b>1.5</b>	<b>Details of the CRS Proposal</b>					
(a)	Title of the Project proposal					
(b)	Focus Area of the Proposal (Energy, Environment, Climate Change & Sustainable Habitat , Healthcare, Information & Communication Technology, Materials (Advanced), Nanotechnology Hardware, Manufacturing, Security and defense, Water Resources)					
(c)	Name of the Lab where the research would be Conducted. (Preferably from IIT/ NIT/Research Institute of National Importance like, IISER, NITTTR etc.					
(d)	The Department & Institute under which the lab is established					
<b>1.6</b>	<b>Academic credentials of Principal Investigator (PI)</b>					
	<b>Parameter/ Criteria</b>	<b>Response</b>	<b>Input by PI*</b>	<b>Weigh tage/ Marks</b>	<b>Marks Awarded by the Experts</b>	<b>Remarks</b>
(a)	Ph. D	<i>Select Yes/No</i>		10		
(b)	Teaching Experience in years (1 point for 2 years experience)	<i>Enter Years</i>		2		

(c)	Research & Industrial Experience in years (1 point for 2 years experience)	<i>Enter Years</i>		2		
(d)	Number of Publications in last 3 years (National journals) (1 point for 2Publication)	<i>Enter Number</i>		4		
(e)	Number of Publications in last 3 years (International journals) (1 point for 1Publication)	<i>Enter Number</i>		3		
(f)	Number of Patents Registered	<i>Enter Number</i>		5		
(g)	Membership of the Professional / Learned bodies/ Societies	<i>Select Yes/No</i>		5		
(h)	Awards (State)	<i>Select Yes/No</i>		1		
(i)	Awards (National)	<i>Select Yes/No</i>		1		
(j)	Awards (International)	<i>Select Yes/No</i>		2		
		Sub Total		35		

**1.7 Credentials of Institute**

	<b>Parameter/ Criteria</b>	<b>Input by Institute</b>	<b>Input by Institute</b>	<b>Max. Marks</b>	<b>Marks Awarded by the Experts</b>	<b>Remarks</b>
(a)	Research projects completed in last 5 years (2.5 Point for 01 Project)	<i>Enter Number</i>		5		
(b)	Consultancy Research projects completed in	<i>Enter Number</i>		5		

	last 5 yrs (2.5 Point for 01 Project)					
(c)	Number of Courses Accredited in the Institutes (1 Point for 1 Course)	<i>Enter Number</i>		5		
d)	Whether the UG/PG course under which the proposal is submitted, is accredited by NBA? (1 Point for 1 Course)	<i>Enter Yes/No</i>		5		
		Sub Total		20		

**1.8 Expert Committee Evaluation (not to be filled by the PI/Co-PI) through presentation by PI/CoPI)**

	Parameter / Criteria	Weightage/Max. Marks	Marks Awarded by Expert Committee
(a)	Objectives and Relevance of the Research project	5	
(b)	Research status of the Proposal (National or International)	5	
(c)	Expected outcome	5	
(d)	Research Methodology	10	
(e)	Technical novelty and utility	10	
(f)	Possible patentability of the research outcome	10	
	Sub Total	45	
	Grand Total	100	

**Declaration**

I/we hereby declare that the above information is true to the best of my knowledge and for the proposal I/we shall abide by the project guidelines.

**Name & Signature of PI**

**1. Name & Signature of Co-PI**

**2. Name & Signature of Co-PI**

Recommended & Forwarded by;

**Signature of Head of  
the Lead Institute with  
Institution Seal**

**Signature of Head of  
the Network Institute with  
Institution Seal**

# Himachal Pradesh Technical University, Hamirpur (H.P)

## Mandate Form for Institute/College/Other Organizations

1	Name of the Beneficiary Institute	
2	Permanent ID of the Institute, if any	
3	Head of the Institute ( <b>Tick One</b> )	Director /Registrar / Principal / Others (Pl. Specify)
4	Type of Institute ( <b>Tick One</b> )	Govt. / Govt. aided/ Self Finance / Private etc.
5	Address of the Institute	
6	PAN. No. of the Institute	
7	GST No. of the Institute	
8	E-mail ID of the Head of the Institute	
9	Name of the Bank	
10	Branch Name and Branch Code	
11	Address of the Bank with PIN Code	
12	Telephone No. of the Bank	
13	Name of the Account Holder with Designation	
14	Account Type ( <b>Tick One</b> )	Savings / Current
15	Account Number	
16	Bank Branch IFSC Code	
17	Bank Branch MICR Code	
18	Whether the Account is in the Name of Beneficiary Institute ( <b>Tick One</b> )	Yes /No
19	Whether the Account is Operational ( <b>Tick One</b> )	Yes/ No
20	Whether the account is a No-Frill Account( <b>Tick One</b> )	Yes /No
21	Whether the Account is Joint Account( <b>if yes give details</b> )	Yes/ No

It is declared that all information provided above are true and complete in all respects.

Signature of the Account Holder with Designation  
Or Authorized Signatory  
With Institute Seal

Certified that the above details are verified on (date).....  
(Banker's Signature with Seal)

Date : \_\_\_\_\_

(This certificate should be printed on the official letterhead of the Lead Institute)

# Certificate of Collaboration

A certificate of collaboration for the research <Name of the research> between  
the

**Principal Investigator** <Name of PI> of the Lead institute/industry sector <Name of  
Institute>.

We the following PIs wish to work on this project. We agree to work in harmony  
and hereby understand that the project needs to be completed in the time-bound manner.

- |    |                                     |                   |                         |
|----|-------------------------------------|-------------------|-------------------------|
| 01 | <b>Co- Principal Investigator-1</b> | <Name of Co-PI-1> | <Name of the Institute> |
| 02 | <b>Co- Principal Investigator-2</b> | <Name of Co-PI-2> | <Name of the Institute> |
| 03 | <b>Co- Principal Investigator-3</b> | <Name of Co-PI-3> | <Name of the Institute> |
| 04 | <b>Co- Principal Investigator-4</b> | <Name of Co-PI-4> | <Name of the Institute> |

Under the Collaborative Research and Innovation Programme under Competitive Research Fund the  
proposal for the grant is complying with the guidelines of TEQIP.

**Signature of Head of  
the Lead Institute**

**Signature of Head of  
the Network Institute**

**Institute Seal**

**Institute Seal**

## Bio Data of Co – Principal Investigator

1	Name				
2	Date of birth				
3	Mobile Number				
4	E-mail Address				
5	Postal Address				
6	Whether the Co- PI is working in Institute/Industry				
7	Institute / Industry Currently Working				
8	Whether faculty working or superannuated ( <b>Tick One</b> )	Working	Superannuated		
9	Name of the Stream/Department				
10	Academic credentials	PG Qualification (Degree)			
		Ph.D. (Yes/No)			
11	No. of Ph.Ds. Guided				
12	Experience (Yrs.)	Teaching	Research	Industrial	Total
13	Membership of Professional Bodies				
14	Publications	Thesis/Book	Journals		
15	Conferences/Seminars Attended				
16	Patents (if any) (Nos.)				
17	Other (awards if any)				
18	Any other information				

### Declaration

I \_\_\_\_\_ hereby declare that the details provided above are true and best of my knowledge.

**Signature of the Co-PI**