



**Government of Himachal Pradesh**  
**Department of Environment, Science & Technology**  
Paryavaran Bhawan, Near US Club, Shimla-1.

**HP Specific Research & Development Projects 2017-18**

**Call for Proposal for the Year 2017-18**

Proposals are invited from various scientists and technical experts in the State who are working in the Academic institutions, National laboratories and other recognized R&D Institutions in Himachal Pradesh in different fields under a scheme "H.P. Specific Research & Development Projects 2017-18" upto Rs. 10.00 Lacs to be completed in a period of two years to strengthen the research and development in various fields of Environment, Natural Resource Management and, Biotechnology for achieving the objective of environment conservation and sustainable development in the State.

Proposals are invited on following thematic areas:-

1. Impact of Hydro-Power Projects on Environment in H.P. specifying minimum ecological flow of river streams.
2. Application of Science and Technology for the upliftment of rural population with special emphasis of rural women farmers/ population in H.P.
3. Solid Waste Management with special emphasis on disposal of polythene/ non-biodegradable waste management in H.P.
4. Impact of Environmental Pollution viz; Water, Air, Soil on Human Health and remedial measures.
5. Disaster Management especially w.r.t. earthquake resistant structures, landslides and flash floods in H.P.- Natural Hazards.
6. Climate Change and Health Impacts with special emphasis on adaptive measures in H.P.
7. Problems of Environmental Pollution in industrial areas of H.P.- remedial measures.
8. Livelihood promotion through biotechnology based enterprise in Rural Areas.
9. Development of crop varieties for disease resistance in Himachal Pradesh using biotechnology.
10. Strengthening of Institutional laboratories of academic institutions through calibration of equipments for accuracy in research.

Last date of receipt of proposals: **31.10.2017.**

More details are available on the website of Department of Environment, Science & Technology i.e. <http://www.desthp.nic.in>

**Note:**

- ❖ Only one best project proposal is to be submitted by (PI & Co-PI) in any of the thematic areas.
- ❖ Multiple proposals from same PI & Co-PI will not be entertained.

(Archana Sharma)  
**Director**  
Department of Environment, S&T  
Himachal Pradesh, Shimla-171001  
Phone No. 0177-2656559.





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**Guidelines For submission of HP Specific Research & Development  
Projects 2017-18**

The proposal should be prepared and submitted according to the prescribed format. The guidelines for submission of proposal are given below:

1. The project proposals for consideration under this scheme can be submitted on or before **31<sup>st</sup> October, 2017**.
2. The investigators will submit 2 (Two) copies of the proposal printed in Times New Roman, both sides printed, single spacing on A4 size paper, spiral bound along with the soft copy of the proposal in a CD or Pendrive, preferably in MS Word. Proposals sent through e-mail will not be entertained.
3. The proposal should be submitted to **the Director, Department of Environment, Science & Technology, Paryavaran Bhawan, Near US Club, Shimla, Himachal Pradesh, Pin-171001**.
4. The duration of the project should be two years only and not extending from this period.
5. The information should be given under each section, even if it is Nil.
6. The Principal Institution implementing the project assumes financial and other administrative responsibilities of the project.
7. In case of multi-institutional project, the Principal Investigator (PI) has to obtain formal agreement from the collaborating institutions/ scientists.
8. International travel is not permissible under the project.
9. The manpower recruited for the project is temporary and should be paid as per the rules of the institute and guidelines of the Govt. of Himachal Pradesh.
10. The role of the Co-PI(s) in the project should be clearly spelt out.
11. Proposals will be shortlisted by the Project Screening Committee (PSC). The selected candidates will be called for MS PowerPoint presentation before a Project Approval Committee (PAC) whose decision will be final.

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(Archana Sharma)

**Director**

Department of Environment, S&T  
Himachal Pradesh, Shimla-171001  
Phone No. 0177-2656559.



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**Terms & Conditions for HP Specific Research & Development  
Projects 2017-18**

1. Approval of the research proposal and the grant being released is for the specific project sanctioned and should be exclusively spent on the project within the stipulated time. The Institute is not permitted to seek or utilize funds from any other organization (Government, Semi-Government, Autonomous or Private Bodies) for this research project. Any unspent balance out of the amount must be surrendered to the Department of Environment, Science & Technology, Shimla, Govt. of Himachal Pradesh through Demand Draft in favour of Director, Department of Environment, Science & Technology, Shimla, Himachal Pradesh.
2. The Institute will furnish to the Department a Statement of Expenditure (SoE) & Utilization Certificate (UC) along with the Progress Report, at the time of seeking further Instalment of the sanctioned grant. Carry forward of unspent funds to the next financial year for utilization for the same project may be considered only with the specific approval of the Department of Environment, Science & Technology (DEST), Shimla.
3. The funds would be released in favour of Head of the Institution, wherein the Principal Investigator will be responsible for maintaining the proper accounts and Utilization of funds.
4. The Institute will maintain separate audited accounts for this project. The amount of grant in aid will be kept in a separate Savings Bank Account earning interest. The amount earned out of the funds will be added to the project account.
5. Investigators wishing to publish papers based on the research work done under Department of Environment, Science & Technology, Shimla, PI of project should acknowledge the assistance received from the DEST, Shimla indicating the name of the Scheme. Investigators are also requested to publish some of the research papers emerging out of the Project in leading national/ international journals.
6. The Institute may not entrust the implementation of the work for which grant is being sanctioned to another Institution and to divert the grant receipts as assistance to the latter institution. In case the Institute itself is not in a position to execute or complete the project, it may be required to refund forthwith to DEST, the entire amount of grants-in-aid received by it.
7. The personal that may be employed for the project by the Institution will be subject to the administrative control and service rules, as applicable to them (leave, TA, DA, etc.) of the Institute where the project is based.
8. The project will become operative with effect from the date on which the grant is received by the institute. The date will be intimated by the Institute to DEST immediately. It will, in no case, be later than one month after the receipt of the draft by the Institute.
9. If the principal Investigator to whom a grant for a project has been sanctioned wishes to leave, the institution where the project is based, the Institute/ Investigator will inform the same to the DEST, Shimla and, in consultation with

the DEST, the institute shall evolve, steps to ensure successful completion of the project before relieving the Principal Investigator.

10. For two years duration project, 50% of the total sanctioned budget will be released and remaining 50% would be released after the midterm evaluation by the Expert Appraisal Committee.
11. Principal investigator will submit half yearly and annual report along with UC by 11<sup>th</sup> month after sanction of funds of both year of the project.
12. R&D projects received by the DEST will be scrutinised at the DEST level through the committees formed. In addition the DEST may designate scientists/ specialists to visit the institution periodically.
13. The authorities of the institution where the research work is to be carried out would be responsible for administration of the scheme and maintenance of accounts. The Principal Investigator will arrange with the institution to receive and make payments on his behalf. The grant shall be exclusively utilized for the purpose for which it is sanctioned.
14. All accounts maintained by the institutions will be subjected to audit by the institution's auditor. On termination of the project, the accounts duly audited by the auditors shall be submitted and the unspent balance if any shall be remitted back to the DEST within 15 days after completion of the project. All the accounts related to the project should be duly audited by the auditors during last closing month of the project.
15. Projects will be normally sanctioned to institutions which have most of the essential facilities in the form of equipment for the type of research work to be undertaken. In any case, cost of the equipment/ permanent assets would not exceed 10% of the sanctioned amount.
16. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
17. The research should be application oriented research in perspective of development of Himachal Pradesh.
18. The Department of Environment, Science & Technology reserves the right to terminate the second instalment after one year if the Project Evaluation Committee is convinced that the grant has not been properly utilized or appropriate progress is not being made. Upon such termination, full audited accounts will have to be submitted and it may be required to refund to the DEST, Shimla, the entire amount of grants-in-aid received by it.



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**Format for Submission of HP Specific Research & Development  
Projects 2017-18**

**1. Project Title:**

**2. Thematic Areas (Tick one of the following):**

- 2.1** Impact of Hydro-Power Projects on Environment in H.P. specifying minimum ecological flow of river streams.
- 2.2** Application of Science and Technology for the upliftment of rural population with special emphasis of rural women farmers/ population in H.P.
- 2.3** Solid Waste Management with special emphasis on disposal of polythene/ non-biodegradable waste management in H.P.
- 2.4** Impact of Environmental Pollution viz; Water, Air, Soil on Human Health and remedial measures.
- 2.5** Disaster Management especially w.r.t. earthquake resistant structures, landslides and flash floods in H.P.- Natural Hazards.
- 2.6** Climate Change and Health Impacts with special emphasis on adaptive measures in H.P.
- 2.7** Problems of Environmental Pollution in industrial areas of H.P.- remedial measures.
- 2.8** Livelihood promotion through biotechnology based enterprise in Rural Areas.
- 2.9** Development of crop varieties for disease resistance in Himachal Pradesh using biotechnology.
- 2.10** Strengthening of Institutional laboratories of academic institutions through calibration of equipments for accuracy in research.

- 3.** Duration in months :
- 4.** Total Proposed Cost (in numbers and words) :
- 5.** Name of the Principal Investigator :  
(Whether belong to SC/ST; Attach Certificate) :
- 6.** Sex (Male/ Female) :
- 7.** Designation and Official Address :
- 8.** Telephone :  
Fax :  
e-mail :  
Mobile No. :

- 9. Co-Investigator** :
- (Whether belong to SC/ST; Attach Certificate) :
- 10. Sex (Male/ Female)** :
- 11. Designation and Official Address** :
- 12. Telephone** :
- Fax :
- e-mail :
- Mobile No. :
- 13. Project Summary** :
- (Maximum 150 words)
- 14. Key words (maximum 6)** :
- 15. Introduction(under the following heads)**
- a. Relevance of Research Questions** :
- b. Addressing priority of the state of H.P.** :
- c. New Innovativeness expected in the Project** :
- d. Appropriateness of design/ techniques for the research questions to be answered:**
- e. Effective control to experiments** :

f. Economic evaluation and cost efficiency of the project :

g. How appropriately the expected output answers the questions being addressed in the specific subject matter/ area?

**16. Work plan**

a. Methodology

b. Time schedule

**17. Budget Estimates: Summary**

S.No.	Item	Budget		
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total (Rs.)
1.	Remuneration (Salaries/ Wages)			
2.	Consumables			
3.	Travel			
4.	Other Costs			
5.	G. Total			

**17.1 Budget for Remuneration with Jurisdiction**

S.No.	Designation of persons engaged in project	Number of persons engaged	Monthly Emoluments	Budget		Total (Rs.)
				1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Total					

**17.2 Budget for Consumables with justification**

S.No.	Item	Quantity/No	Budget		Total (Rs.)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Total Budget required				



### 17.3 Budget for travel with Justification

S.No.	Travel (Only inland travel)	Budget		Total (Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Total			

### 17.4 Budget for other costs/ contingencies with justification

S.No.	Other costs/ contingency costs	Budget		Total (Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Total			

18. Availability of major Infrastructural Facilities & Equipment with the patent institution (s) -  
Yes/ No (Specify) -

19. Detailed Bio-data of the Principal Investigator (s) / Co- Investigator (s) including Name, Address, Date of Birth, Institution's Address etc. Academic Qualifications (University/ College from where attained, year of passing, class, Thesis title etc.), Whether SC (Y/N)

Publication list (Title of paper, authors, Journal details, pages, year etc. )

Patent list, if any

20. Details of Research Projects being implemented/ completed/ submitted; separately by the Principal investigator(s) / Co-Investigator(s) Name & Institute; Project Title; Project Status (**Completed Projects**- Duration, period, funding agency and total cost; **Ongoing Projects**- Duration, date of start, funding agency and total cost; **Proposed Projects**- Duration, funding agency where submitted, and total cost of the Project, Summary of the project, Major Results/ Highlights of the project including achievement (publications, patents etc. ).

21. Any other relevant information

\* Format is to be filled by the applicant; with no change in serial number of headings.

\* The space between headings may be expanded during filling the application.