



H.P. Council for Science, Technology & Environment (HIMCOSTE), Shimla

B-34, SDA Complex, Kasumpti, Shimla – 171009

Phone: 0177-2620998, 2621992 Fax: 0177-2620998

Website: www.himcoste.hp.gov.in

SCSTE/F(8)-2018-19 24722

Dated: - 29-10-18

### SANCTION ORDER

**Subject:** Financial Sanction of the research project titled "Efficiency Improvement of Packed Bed Solar Thermal Energy Storage Using Different fin Shapes on Absorber Plate in Solar Air Collector"-Reg.

**Principal Investigator (PI):**

Dr. Rajesh Kumar (PI)

Associate Prof.

School of Physics and Materials Science,

Shoolini University, Solan-H.P.-173212

**Co-PI:**

1. Dr. Anil Kumar

Sanction of the H.P. Council for Science, Technology & Environment (HIMCOSTE) is hereby accorded to the above mentioned project at a total cost of Rs. 6,50,000/- (Rupees Six Lakhs and Fifty Thousand only) for a duration of **two** years from the date of sanction. The items of expenditure for which the total allocation of Rs. 6,50,000/- has been approved for a period of **two** years, are given below:

S.No.	Head	First Year (in Rs.)	Total (in Rs.)-2 Yrs.
1.	Remuneration (Rs.) Project Associate – 1 No. @Rs.15,000/- PM	1,80,000/-	3,60,000/-
2.	Consumables	1,25,000/-	2,50,000/-
3.	Travel	10,000/-	20,000/-
4.	Other Costs	10,000/-	20,000/-
Total Cost		3,25,000/-	6,50,000/-

#### NOTE:

- (a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the HIMCOSTE within 15 days from today positively.

(b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

(c) You will provide five proto types of the improvised solar air collector.

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2018-19' and other related instructions of the HIMCOSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

### Terms & Conditions of the Grant

- HP*
1. The expenditure involved is debitible to  
**Fund for 'HP Specific Research & Development Projects 2018-19'**  
This release is being made under the specific category:  
(a) General Plan Scheme
  2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-2018-19 dated <sup>29<sup>th</sup></sup>/<sub>18</sub> for a total cost of **Rs. 6,50,000/-**.  
*4722*
  3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website ([www.himcoste.hp.gov.in](http://www.himcoste.hp.gov.in)) and also stated in this Sanction Order.
  4. The amount of **Rs. 6,50,000/-** will be drawn by the Assistant Controller/AC(F&A) of the **HIMCOSTE** and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.

5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.
6. The entire project cost will be funded by HIMCOSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Approval & Evaluation Committee (PAEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and HIMCOSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the HIMCOSTE Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 31<sup>st</sup> October,2019 and for 2<sup>nd</sup> instalment before 31<sup>st</sup> October,2020.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the HIMCOSTE Shimla. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by HIMCOSTE Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of HIMCOSTE Shimla in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display

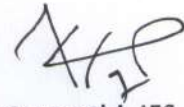
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in Field work etc.) under this project besides mentioning the grants received by HIMCOSTE, Shimla.

18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.
19. Periodic review and inspection of the project will be done by HIMCOSTE Shimla team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the HIMCOSTE Shimla may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of HIMCOSTE Shimla. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of HIMCOSTE Shimla and the PI or/and the institute/organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of HIMCOSTE Shimla.
22. The HIMCOSTE Shimla reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the HIMCOSTE Shimla and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the HIMCOSTE Shimla a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
25. Any un-spent balance out of the amount sanctioned must be surrendered to the HIMCOSTE Shimla through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, HIMCOSTE Shimla.

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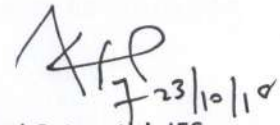
26. The project would become operational from the date of receiving funds by the Institution.



Kunal Satyarthi, IFS  
Member Secretary (EC)  
HIMCOSTE Shimla

Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) HIMCOSTE Shimla.
4. Accounts Sanction, HIMCOSTE Shimla.
5. R&D Section.



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Member Secretary (EC)  
HIMCOSTE Shimla