

Sanction Order

FILE NO. EEQ/2017/000435

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 17-Mar-2018

ORDER

Subject: Financial Sanction of the research project titled "**Synthesis and characterization of lead free perovskite films for photovoltaic applications**" under the guidance of Dr. Ningthoujam Surajkumar Singh, Physics Department, Pachhunga University College, College veng, aizawl, Aizawl, Mizoram-796001 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of **Rs. 3336000/- (Rs. Thirty Three Lakh Thirty Six Thousand Only)** with break-up of **Rs. 1500000/- under Capital (Non-recurring) head** and **Rs. 1836000/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 3336000/-** has been approved are given below:

The following budget may be considered for Pachhunga University College, College Veng, Aizawl

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Spin Coating Machine -> Sonicator -> Research Centrifuge -> Solar Simulator	1500000
A'	Total (Non-Recurring)	1500000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies)	936000 600000
2	Recurring - III : (Overhead Charges)	300000
B'	Total (Recurring)	1836000
C	Total cost of the project (A' + B')	3336000

2. Sanction of the SERB is also accorded to the payment of

- Rs. 1500000/- (Rupees Fifteen Lakh only) under 'Grants for creation of capital assets' and Rs. 615000/- (Rupees Six Lakh Fifteen Thousand only) under 'Grants-in-aid General' to Principal, Pachhunga University College, College Veng, Aizawl

being the first installment of the grant for the year 2017-2018 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**

This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)

4. The Sanction has been issued to Pachhunga University College, College Veng, Aizawl with the approval of the competent authority under delegated powers on **16 March, 2018** and vide Diary No. **SERB/F/10783/2017-2018** dated **17 March, 2018**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 2115000/- (Rupees Twenty One Lakh Fifteen Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Principal Pachhunga University College
Account Number	10763500874
Bank Name & Branch	State Bank of India State Bank of India (SBI), College Veng Branch, Aizawl, Mizoram, Pin-796001
IFSC/RTGS Code	SBIN00018500
Email id of A/C Holder	tawnenga5@yahoo.com
Email id of PI	surajningthoujam@yahoo.co.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EEQ/2017/000435 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

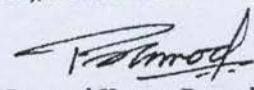
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

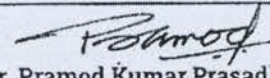
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

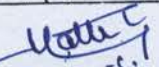

(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

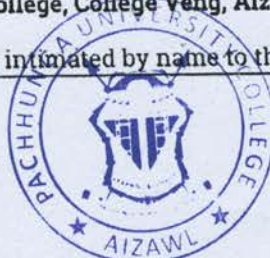
To,
Under Secretary
SERB, New Delhi
Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Ningthoujam Surajkumar Singh Physics Department Pachhunga University College, College veng, aizawl, Aizawl, Mizoram-796001 Email: surajningthoujam@yahoo.co.in Mobile: 917005470549 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Principal, Pachhunga University College, College Veng, Aizawl (Receipt of Grant may be intimated by name to the undersigned)


Principal
Pachhunga University College
Aizawl : Mizoram


(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in


Coordinator
Internal Quality Assurance Cell
Pachhunga University College
(A constituent college of Mizoram University)



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SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated 26-Apr-2019

ORDER

Subject: Research project entitled "**Synthesis and characterization of lead free perovskite films for photovoltaic applications**" under the guidance of Dr. Ningthoujam Surajkumar Singh, Physics Department, Pachhunga University College, College veng, aizawl, Aizawl, Mizoram-796001.

1. This is in continuation of SERB's sanction order No. "EEQ/2017/000435" dated "17 March, 2018 " of **Science and Engineering Research Board (SERB)**.
2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 600000/-** (Rupees Six Lakh only) under 'Grants-in-aid General' to **Principal, Pachhunga University College, College Veng, Aizawl** being the 2nd grant for the financial year 2019-2020 for implementation of the above said project.
3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 121440/-** (Rupees One Lakh Twenty One Thousand Four Hundred and Forty only) (Recurring Rs. 121440 and Non-Recurring Rs. 0) to Pachhunga University College, College Veng, Aizawl from FY 2018-2019 to FY 2019-2020 for the same purpose for which it was sanctioned.
4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).
5. It is certified that provision of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)** **This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)**
7. The Sanction has been issued to Pachhunga University College, College Veng, Aizawl with the approval of the competent authority under delegated powers on **16 April, 2019** and vide Diary No. **SERB/F/75/2019-2020** dated **25 April, 2019**
8. The release amount of **Rs. 600000/-** (Rupees Six Lakh only) (Recurring Rs. 600000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

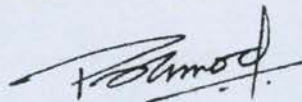
Account Name	Principal Pachhunga University College
Account Number	30812792852
Bank Name & Branch	State Bank of India State Bank of India (SBI), Mission Veng Branch, Aizawl, Mizoram, Pin-796001
IFSC/RTGS Code	SBIN0007058
Email id of A/C Holder	principal@pucollege.edu.in
Email id of PI	surajningthoujam@yahoo.co.in
9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

11. The institute will furnish to the SERB, Utilization certificate(separate for Recurring & Non-Recurring) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year. (43)

12. After completion of the project unspent balance if any should be returned as Demand Draft drawn in favour of "Fund for Science and Engineering Research" payable at New Delhi.

13. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

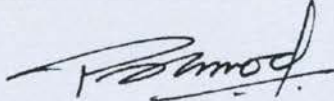
14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


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To,
Under Secretary
SERB, New Delhi

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5.	Principal, Pachhunga University College, College Veng, Aizawl


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