

FILE NO. ECR/2017/002820  
**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: 20-Sep-2018

**ORDER**

Subject: Financial Sanction of the research project titled "**Two Dimensional Transition Metal Sulfides@ Co-Ni Layered Double-Hydroxide Composites as Highly Efficient Supercapacitor Electrodes**" under the guidance of Dr. **SACHIN BABASAHEB KULKARNI**, Physics, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102 - 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. 3587494/- (Rs. Thirty Five Lakh Eighty Seven Thousand Four Hundred and Ninety Four Only)** with break-up of **Rs. 1444559/- under Capital (Non-recurring) head** and **Rs. 2142935/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 3587494/-** has been approved are given below:

The following budget may be considered for **Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Electrochemical Workstation	1444559
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>1444559</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Manpower) Recurring - II : ( Consumables, Travel, Contingencies)	1216800 600000
2	Recurring - III : (Overhead Charges)	326135
<b>B'</b>	<b>Total (Recurring)</b>	<b>2142935</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>3587494</b>

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 1444559/-** (Rupees Fourteen Lakh Forty Four Thousand Five Hundred and Fifty Nine only) under 'Grants for creation of capital assets' and **Rs. 714311/-** (Rupees Seven Lakh Fourteen Thousand Three Hundred and Eleven only) under 'Grants-in-aid General' to **Principal, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra** being the first installment of the grant for the year 2018-2019 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 Early Career Research Award. (EC Physical & Mathematical Sciences)**

4. The Sanction has been issued to Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra with the approval of the competent authority under delegated powers on **27 August, 2018** and vide Diary No. **SERB/F/7261/2018-2019** dated **19 September, 2018**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://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. 2158870/- (Rupees Twenty One Lakh Fifty Eight Thousand Eight Hundred and Seventy 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 Tuljaram Chaturchand College (SERB)
Account Number	60131209100
Bank Name & Branch	BANK OF MAHARASHTRA BANK OF MAHARASHTRANEAR PARISHAD BUILDINGBHIGWAN CHOWK, BARAMATIDIST-PUNE
IFSC/RTGS Code	MAHB0000073
Email id of A/C Holder	principal.tccollege@gmail.com
Email id of PI	sachinkulkarni21@gmail.com

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. ECR/2017/002820 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

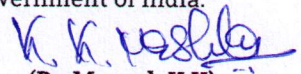
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

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.



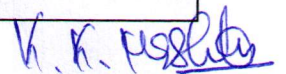
(Dr. Magesh K K)  
Scientist

ms\_pm@serbonline.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. SACHIN BABASAHEB KULKARNI Physics Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102 Email: sachinkulkarni21@gmail.com Mobile: 917588019118 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	Principal, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra  (Receipt of Grant may be intimated by name to the undersigned)



(Dr. Magesh K K)  
Scientist

ms\_pm@serbonline.in

FILE NO. ECR/2017/002820  
**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: 25-Nov-2019

**ORDER**

Subject: Research project entitled "**Two Dimensional Transition Metal Sulfides@ Co-Ni Layered Double-Hydroxide Composites as Highly Efficient Supercapacitor Electrodes**" under the guidance of Dr. SACHIN BABASAHEB KULKARNI, Physics, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102.

1. This is in continuation of SERB's sanction order No. "ECR/2017/002820" dated "20 September, 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. 150000/-** (Rupees One Lakh Fifty Thousand only) under 'Grants-in-aid General' to **Principal, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra** 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. 2010855/-** (Rupees Twenty Lakh Ten Thousand Eight Hundred and Fifty Five only) ( Recurring Rs. 544941 and Non-Recurring Rs. 1465914 ) to Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Dist.- Pune, Maharashtra 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](http://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 **Early Career Research Award. (EC Physical & Mathematical Sciences) (GEN)**.
7. The Sanction has been issued to Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra with the approval of the competent authority under delegated powers on **18 October, 2019** and vide Diary No. **SERB/F/5858/2019-2020** dated **25 October, 2019**
8. The release amount of **Rs. 150000/-** (Rupees One Lakh Fifty Thousand only) ( Recurring Rs. 150000 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:

PFMS Unique Code	NA
Account Name	Principal Tuljaram Chaturchand College (SERB)
Account Number	60131209100
Bank Name & Branch	BANK OF MAHARASHTRA BANK OF MAHARASHTRANEAR PARISHAD BUILDINGBHIGWAN CHOWK, BARAMATIDIST-PUNE
IFSC/RTGS Code	MAHB0000073
Email id of A/C Holder	principal.tccollege@gmail.com
Email id of PI	sachinkulkarni21@gmail.com



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.

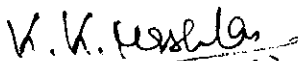
10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

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.

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.

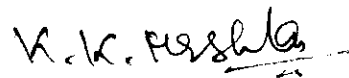
14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST),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

  
(Dr. Magesh K K)  
Scientist  
ms\_pm@serbonline.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.	<b>Dr. SACHIN BABASAHEB KULKARNI</b> Physics Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati , Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102 Email: sachinkulkarni21@gmail.com Mobile: 917588019118
5.	Principal, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra

  
(Dr. Magesh K K)  
Scientist  
ms\_pm@serbonline.in

FILE NO. ECR/2017/002820

**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: 30-Jul-2021

**ORDER**

Subject: Research project entitled "**Two Dimensional Transition Metal Sulfides@ Co-Ni Layered Double-Hydroxide Composites as Highly Efficient Supercapacitor Electrodes**" under the guidance of Dr. SACHIN BABASAHEB KULKARNI, Physics, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102.

1. This is in continuation of SERB's sanction order No. "ECR/2017/002820" dated "20 September, 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. 400000/-** (Rupees Four Lakh only) under 'Grants-in-aid General' to **Principal, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra** being the 3rd grant for the financial year 2021-2022 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. 100415/-** (Rupees One Lakh Four Hundred and Fifteen only) ( Recurring Rs. 0 and Non-Recurring Rs. 100415 ) to Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Dist.- Pune, Maharashtra from FY 2020-2021 to FY 2021-2022 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](http://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 Early Career Research Award. (EC Physical & Mathematical Sciences) (GEN)**.
7. The Sanction has been issued to Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra with the approval of the competent authority under delegated powers on **14 July, 2021** and vide Diary No. **SERB/F/1343/2021-2022** dated **15 July, 2021**
8. The release amount of **Rs. 400000/-** (Rupees Four Lakh only) ( Recurring Rs. 400000 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:

<b>PFMS Unique Code</b>	anekanttcc
<b>Account Name</b>	Principal Tuljaram Chaturchand College (SERB)
<b>Account Number</b>	60131209100
<b>Bank Name &amp; Branch</b>	BANK OF MAHARASHTRA BANK OF MAHARASHTRANEAR PARISHAD BUILDINGBHIGWAN CHOWK, BARAMATIDIST-PUNE
<b>IFSC/RTGS Code</b>	MAHB0000073
<b>Email id of A/C Holder</b>	principal.tccollege@gmail.com
<b>Email id of PI</b>	sachinkulkarni21@gmail.com

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.

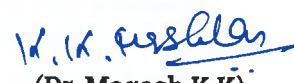
10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

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.

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.



(Dr. Magesh K K)

Scientist D

ms\_pm@serbonline.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.	<b>Dr. SACHIN BABASAHEB KULKARNI</b> <b>Physics</b> <b>Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati , Tuljaram chaturchand college of arts, science and commerce, baramati, dist.- pune, maharashtra, Pune, Maharashtra-413102</b> <b>Email: sachinkulkarni21@gmail.com</b> <b>Mobile: 917588019118</b>
5.	<b>Principal,</b> <b>Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati, Dist.- Pune, Maharashtra</b>



(Dr. Magesh K K)

Scientist D

ms\_pm@serbonline.in