

FILE NO. CRG/2022/003926  
**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**  
(A statutory body of the Department of Science & Technology, Government of India)  
Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

Dated: 02 March, 2023

**ORDER**

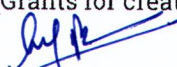
Subject: Financial Sanction of the research project titled **Emission Characterization and removal studies of hazardous gaseous pollutants at domestic heating sources using novel approaches of functionalize carbon fiber-based materials** under the guidance of Dr. Shamsh Pervez, Chemistry, Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010 and by Dr. Indrapal Karbhal, Assistant Professor, School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh, Pt. Ravishankar Shukla University - 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. 7991240/- (Rs. Seventy Nine Lakh Ninety One Thousand Two Hundred and Forty Only)** with break-up of **Rs. 3625000/- under Capital (Non-recurring) head** and **Rs. 4366240/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 7991240/-** has been approved are given below:

The following budget may be considered for **Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, CT**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> FTIR Multigas analyzer -> Hydrothermal Autoclave 200 mL -> TVOCs monitor -> High temperature Horizontal Tubular Furnace	3625000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>3625000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies, Other Cost) Recurring - III : Scientific Social Responsibility	1350240 2280000 10000
2	Recurring - IV : (Overhead Charges)	726000
<b>B'</b>	<b>Total (Recurring)</b>	<b>4366240</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>7991240</b>

- 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)).
- 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.
- 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.
- Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.
- 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.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
- The institute will furnish to the SERB, 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.

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. The research personnel 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

11. 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.

12. The project File no. CRG/2022/003926 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. 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 SERB.

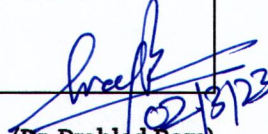
14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.

  
(Dr. Prahlad Ram)  
Scientist D  
prahlad@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.	<b>Dr. Shamsh Pervez</b> <b>Chemistry</b> <b>Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010,</b> <b>amanaka,Raipur, ct, Raipur, Chhattisgarh-492010</b> <b>Email: shamshpervez@gmail.com</b> <b>Mobile: 919425242455</b>  <b>Dr. Indrapal Karbhal</b> <b>School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh</b> <b>Pt. Ravishankar Shukla University</b> (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.	<b>Finance Controller,</b> <b>Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010,</b> <b>Amanaka,Raipur, CT</b>  (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Prahlad Ram)  
Scientist D  
prahlad@serb.gov.in

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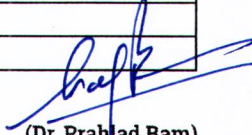
Dated: 02 March, 2023

**ORDER**

Subject: Research project entitled **Emission Characterization and removal studies of hazardous gaseous pollutants at domestic heating sources using novel approaches of functionalize carbon fiber-based materials** under the guidance of Dr. Shamsh Pervez, Chemistry, Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010 and by Dr. Indrapal Karbhal, Assistant Professor, School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh, Pt. Ravishankar Shukla University.

- In continuation of SERB's sanction order No. CRG/2022/003926 dated 02 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 75000/-** under 'Grants-in-aid General' to Pt. Ravishankar Shukla University, G.e.road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, Ct, Raipur, Chhattisgarh-492010 being the grant for the financial year 2022-2023 for implementation of the above said project.
- 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)) and as mentioned in the sanction order of even number dated 02 March, 2023.
- As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
- The expenditure involved is debitible to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Earth & Atmospheric Sciences**) (General) .
- The Sanction has been issued with the approval of the competent authority on **28 February, 2023** and vide Diary No. **SERB/F/11110/2022-2023** dated **02 March, 2023**.
- The release amount of **Rs. 75000/-** (Rupees Seventy Five 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:

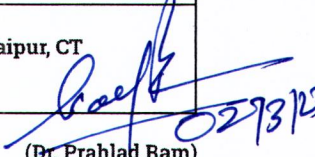
PFMS Unique Code	CTRP00007183
Account Name	SERB Project
Account Number	40538165747
Bank Name & Branch	State Bank of India SBI Pt. Ravishankar Shukla University Branch Raipur
IFSC/RTGS Code	SBIN0003739
Email id of A/C Holder	financeprsu@gmail.com
Email id of PI	shamshpervez@gmail.com

  
(Dr. Prahlad Ram)  
Scientist D  
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To,  
Under Secretary  
SERB, New Delhi

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4.	<p><b>Dr. Shamsh Pervez</b> Chemistry Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010 Email: <a href="mailto:shamshpervez@gmail.com">shamshpervez@gmail.com</a> Mobile: 919425242455</p> <p><b>Dr. Indrapal Karbhal</b> School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh Pt. Ravishankar Shukla University (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p>Finance Controller, Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, CT</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

  
(Dr. Prahlad Ram)  
Scientist D  
prahlad@serb.gov.in

FILE NO. CRG/2022/003926-C  
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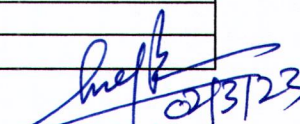
Dated: 02 March, 2023

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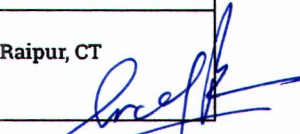
1. In continuation of SERB's sanction order No. CRG/2022/003926 dated 02 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 3625000/-** under 'Grants-in-aid Capital' to Pt. Ravishankar Shukla University, G.e.road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, Ct, Raipur, Chhattisgarh-492010 being the grant for the financial year 2022-2023 for implementation of the above said project.
2. 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)) and as mentioned in the sanction order of even number dated 02 March, 2023.
3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
4. The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Earth & Atmospheric Sciences**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **28 February, 2023** and vide Diary No. **SERB/F/11109/2022-2023** dated **02 March, 2023**.
6. The release amount of **Rs. 3625000/-** (Rupees Thirty Six Lakh Twenty Five 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:

PFMS Unique Code	CTRP00007183
Account Name	SERB Project
Account Number	40538165747
Bank Name & Branch	State Bank of India SBI Pt. Ravishankar Shukla University Branch Raipur
IFSC/RTGS Code	SBIN0003739
Email id of A/C Holder	financeprsu@gmail.com
Email id of PI	shamshpervez@gmail.com

  
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