

FILE NO. CRG/2023/007981-G
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

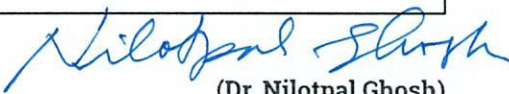
Dated: 18 March, 2024

ORDER

Subject: Research project entitled **Fermiology and Magnetotransport Properties of Topological Nodal-Line Semimetals** under the guidance of Dr. Pradip Das, Deptment of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009.

1. In continuation of SERB's sanction order No. CRG/2023/007981 dated 18 March, 2024, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 350000/-** under 'Grants-in-aid General' to Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 being the grant for the financial year 2023-2024 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) and as mentioned in the sanction order of even number dated 18 March, 2024.
3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Physics-1 (Condensed Matter Physics and Material Sciences)**) (General) .
5. The Sanction has been issued with the approval of the competent authority on **15 March, 2024** and vide Diary No. **SERB/F/14646/2023-2024** dated **16 March, 2024**..
6. The release amount of **Rs. 350000/-** (Rupees Three Lakh Fifty 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:

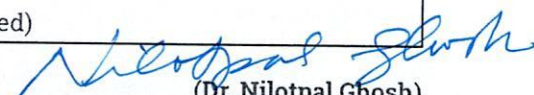
Agency Name	Guru Ghasidas Vishwavidyalaya (A central University)
PFMS Unique Code	GGVBSP09
Account Name	DSTSERB
Account Number	947410110002633
Bank Name & Branch	Bank of India D01, Residential campus, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009
IFSC/RTGS Code	BKID0009474
Email id of A/C Holder	ggv.registrar@gmail.com
Email id of PI	pradipd.iitb@gmail.com


(Dr. Nilotpal Ghosh)
MS
nilotpal@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. Pradip Das Deptment of Pure & Applied Physics Guru Ghasidas Vishwavidyalaya , Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: pradipd.iitb@gmail.com Mobile: 919407734453 (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.	Registrar, Guru Ghasidas Vishwavidyalaya, Main Campus, Koni (Receipt of Grant may be intimated by name to the undersigned)


 (Dr. Nilotpal Ghosh)
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nilotpal@serb.gov.in

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3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 18 March, 2024

ORDER

Subject: Financial Sanction of the research project titled **Fermiology and Magnetotransport Properties of Topological Nodal-Line Semimetals** under the guidance of Dr. Pradip Das, Deptment of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya , Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 - 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. 3259694/- (Rs. Thirty Two Lakh Fifty Nine Thousand Six Hundred and Ninety Four Only)** with break-up of **Rs. 899999/- under Capital (Non-recurring) head** and **Rs.2359695/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 3259694/-** has been approved are given below:

The following budget may be considered for **Guru Ghasidas Vishwavidyalaya, Main Campus, Koni**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Muffle Furnace (up to 1600 degree C)	899999
A'	Total (Non-Recurring)	899999
B	Recurring Items	
1	Recurring - I : (Research Personnel) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1503360 500000 60000
2	Recurring - IV : (Overhead Charges)	296335
B'	Total (Recurring)	2359695
C	Total cost of the project (A' + B')	3259694

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

3. 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.

4. 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.

5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activites enlisted under SSR norms and under no circumstances it can be reappropriated.

6. 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.

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

8. 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/2023/007981 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. Nilotpal Ghosh)

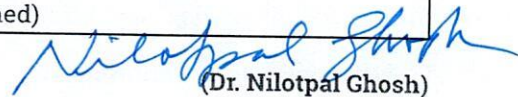
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To,
Under Secretary
SERB, New Delhi

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4.	<p>Dr. Pradip Das Deptment of Pure & Applied Physics Guru Ghasidas Vishwavidyalaya, Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: pradipd.iitb@gmail.com Mobile: 919407734453</p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>Registrar, Guru Ghasidas Vishwavidyalaya, Main Campus, Koni</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



(Dr. Nilotpal Ghosh)

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FILE NO. CRG/2023/007981-C
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1. In continuation of SERB's sanction order No. CRG/2023/007981 dated 18 March, 2024, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 899999/-** under 'Grants-in-aid Capital' to Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 being the grant for the financial year 2023-2024 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) and as mentioned in the sanction order of even number dated 18 March, 2024.
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 debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Physics-1 (Condensed Matter Physics and Material Sciences)**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **15 March, 2024** and vide Diary No. SERB/F/14645/2023-2024 dated **16 March, 2024**.
6. The release amount of **Rs. 899999/-** (Rupees Eight Lakh Ninety Nine Thousand Nine Hundred and Ninety Nine 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:

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PFMS Unique Code	GGVBSP09
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Account Number	947410110002633
Bank Name & Branch	Bank of India D01, Residential campus, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009
IFSC/RTGS Code	BKID0009474
Email id of A/C Holder	ggv.registrar@gmail.com
Email id of PI	pradipd.iitb@gmail.com



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