

FILE NO. CRG/2021/006934
SCIENCE & ENGINEERING RESEARCH BOARD

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 01-Mar-2022

ORDER

Subject: Financial Sanction of the research project titled "**Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies**" under the guidance of Dr. Goverdhanreddy Turpu, PURE AND APPLIED PHYSICS, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 and by Dr. Saptarshi Mandal, Reader-F, Condensed Matter, Institute Of Physics - 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. 4328132/- (Rs. Rupees Forty Three Lakh Twenty Eight Thousand One Hundred and Thirty Two only Only)** with break-up of **Rs. 2150000/- under Capital (Non-recurring) head and Rs.2178132/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4328132/-** has been approved are given below:

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

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Furnace -> Laptop -> LCR Meter	2150000
A'	Total (Non-Recurring)	2150000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 335000 60000
2	Recurring - IV : (Overhead Charges)	380212
B'	Total (Recurring)	2032332
C	Total cost of the project (A' + B')	4182332

The following budget may be considered for **Institute Of Physics, Sachivalaya Marg, Bhubaneswar**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	0
A'	Total (Non-Recurring)	0
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Travel, Contingencies) Recurring - III : Scientific Social Responsibility	0 135000 0
2	Recurring - IV : (Overhead Charges)	10800
B'	Total (Recurring)	145800
C	Total cost of the project (A' + B')	145800

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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
5. 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.
6. 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.
7. 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
8. 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.
9. The sanctioned equipments and consumables would be produced as per GFR 2005 and its disposal would be done with prior approval of SERB.
10. 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.

Nilotpal Ghosh
(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.	<p>Dr. Goverdhanreddy Turpu PURE AND APPLIED PHYSICS Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: dr.tgreddy@gmail.com Mobile: 918963901321</p> <p>Dr. Saptarshi Mandal Condensed Matter Institute Of Physics (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>Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur Director, IOP, Institute Of Physics, Sachivalaya Marg, Bhubaneswar</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

Nilotpal Ghosh
(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

Dated: 01 March, 2022

ORDER

Subject: Financial Sanction of the research project titled **Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies** under the guidance of Dr. Goverdhanreddy Turpu, PURE AND APPLIED PHYSICS, Guru Ghasidas Vishwavidyalaya, Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 and by Dr. Saptarshi Mandal, Reader-F, Condensed Matter, Institute Of Physics - 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. 4182332/-** (Rs. Forty One Lakh Eighty Two Thousand Three Hundred and Thirty Two **Only**) with break-up of **Rs. 2150000/- under Capital (Non-recurring) head** and **Rs. 2032332/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4182332/-** has been approved are given below:

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

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Furnace -> Laptop -> LCR Meter	2150000
A'	Total (Non-Recurring)	2150000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 335000 60000
2	Recurring - IV : (Overhead Charges)	380212
B'	Total (Recurring)	2032332
C	Total cost of the project (A' + B')	4182332

- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (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.

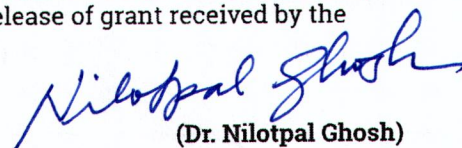
10. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

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/2021/006934 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)

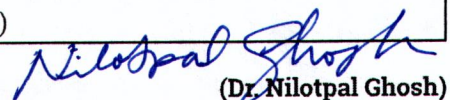
MS

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.	<p>Dr. Goverdhanreddy Turpu PURE AND APPLIED PHYSICS Guru Ghasidas Vishwavidyalaya , Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: dr.tgreddy@gmail.com Mobile: 918963901321</p> <p>Dr. Saptarshi Mandal Condensed Matter Institute Of Physics (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>Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

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

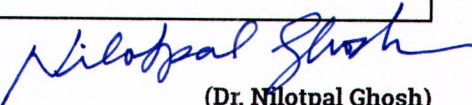
Dated: 01 March, 2022

ORDER

Subject: Research project entitled **Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies** under the guidance of Dr. Goverdhanreddy Turpu, PURE AND APPLIED PHYSICS, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 and by Dr. Saptarshi Mandal, Reader-F, Condensed Matter, Institute Of Physics.

1. In continuation of SERB's sanction order No. CRG/2021/006934 dated 01 March, 2022, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 717400/-** under 'Grants-in-aid General' to Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 being the grant for the financial year 2021-2022 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 01 March, 2022.
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 **28 February, 2022** and vide Diary No. **SERB/F/9270/2021-2022** dated **28 February, 2022**.
6. The release amount of **Rs. 717400/-** (Rupees Seven Lakh Seventeen Thousand Four Hundred 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	GGVBSP09
Account Name	DSTSERB
Account Number	947410110002633
Bank Name & Branch	Bank of India Guru Ghasidas Vishwavidyalaya branch, Koni, Bilaspur 495009, Chhattisgarh, India
IFSC/RTGS Code	BKID0009474
Email id of A/C Holder	ggv.registrar@gmail.com
Email id of PI	dr.tgreddy@gmail.com


(Dr. Nilotpal Ghosh)

MS

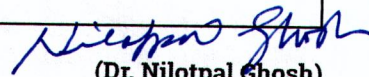
nilotpal@serb.gov.in

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.	<p>Dr. Goverdhanreddy Turpu PURE AND APPLIED PHYSICS Guru Ghasidas Vishwavidyalaya , Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: dr.tgreddy@gmail.com Mobile: 918963901321</p> <p>Dr. Saptarshi Mandal Condensed Matter Institute Of Physics (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>Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

FILE NO. CRG/2021/006934-C

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: 01 March, 2022

ORDER

Subject: Research project entitled **Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies** under the guidance of Dr. Goverdhanreddy Turpu, PURE AND APPLIED PHYSICS, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 and by Dr. Saptarshi Mandal, Reader-F, Condensed Matter, Institute Of Physics.

1. In continuation of SERB's sanction order No. CRG/2021/006934 dated 01 March, 2022, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 2150000/-** under 'Grants-in-aid Capital' to Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Bilaspur (cg), Chhattisgarh-495009 being the grant for the financial year 2021-2022 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 01 March, 2022.
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 Physics-1 (Condensed Matter Physics and Material Sciences)**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **28 February, 2022** and vide Diary No. **SERB/F/9269/2021-2022** dated **28 February, 2022**.
6. The release amount of **Rs. 2150000/-** (Rupees Twenty One 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:

PFMS Unique Code	GGVBSP09
Account Name	DSTSERB
Account Number	947410110002633
Bank Name & Branch	Bank of India Guru Ghasidas Vishwavidyalaya branch, Koni, Bilaspur 495009, Chhattisgarh, India
IFSC/RTGS Code	BKID0009474
Email id of A/C Holder	ggv.registrar@gmail.com
Email id of PI	dr.tgreddy@gmail.com

Nilotpal Ghosh
(Dr. Nilotpal Ghosh)

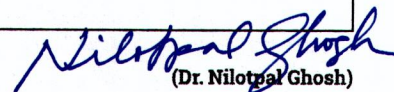
MS
nilotpal@serb.gov.in

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.	<p>Dr. Goverdhanreddy Turpu PURE AND APPLIED PHYSICS Guru Ghasidas Vishwavidyalaya , Koni, bilaspur, Bilaspur (cg), Chhattisgarh-495009 Email: dr.tgreddy@gmail.com Mobile: 918963901321</p> <p>Dr. Saptarshi Mandal Condensed Matter Institute Of Physics (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>Vice Chancellor, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

4.	<p>Dr. Saptarshi Mandal Condensed Matter Institute of Physics , Sachivalaya Marg, Bhubaneswar Email: mandal.saptarshil@gmail.com Mobile: 919938245012</p> <p>Dr. Saptarshi Mandal Condensed Matter Institute Of Physics (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>Director, IOP , Institute Of Physics, Sachivalaya Marg, Bhubaneswar</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

(Dr. Nilotpal Ghosh)

MS

nilotpal@serb.gov.in

FILE NO. CRG/2021/006934
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: 01 March, 2022

ORDER

Subject: Financial Sanction of the research project titled "**Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies**" under the guidance of Dr. Saptarshi Mandal, Condensed Matter, Institute of Physics, Sachivalaya Marg, Bhubaneswar and by Dr. Saptarshi Mandal, Reader-F, Condensed Matter, Institute Of Physics - 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. 145800/- (Rs. One Lakh Forty Five Thousand Eight Hundred Only)** with break-up of **Rs. 0/- under Capital (Non-recurring) head** and **Rs. 145800/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 145800/-** has been approved are given below:
The following budget may be considered for **Institute Of Physics, Sachivalaya Marg, Bhubaneswar**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	0
A'	Total (Non-Recurring)	0
B	Recurring Items	
1	Recurring - I : (Manpower)	0
	Recurring - II : (Travel, Contingencies)	135000
	Recurring - III : Scientific Social Responsibility	0
2	Recurring - IV : (Overhead Charges)	10800
B'	Total (Recurring)	145800
C	Total cost of the project (A' + B')	145800

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 48600/-** (Rupees Forty Eight Thousand Six Hundred only) under 'Grants-in-aid General' to **Director, IOP, Institute Of Physics, Sachivalaya Marg, Bhubaneswar** being the first installment of the grant for the year 2021-2022 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 Core Research Grant. (PAC Physics-1 (Condensed Matter Physics and Material Sciences))

4. The Sanction has been issued to Institute Of Physics, Sachivalaya Marg, Bhubaneswar with the approval of the competent authority under delegated powers on **28 February, 2022** and vide Diary No. **SERB/F/9272/2021-2022** dated **28 February, 2022**

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

9. 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.

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

11. The release amount of **Rs. 48600/-** (Rupees Forty Eight Thousand Six Hundred 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	ORKH00008989
Account Name	INSTITUTE OF PHYSICS
Account Number	147601000019143
Bank Name & Branch	INDIAN OVERSEAS BANK CHANDRASEKHARPUR and Sainik School, Bhubaneswar
IFSC/RTGS Code	IOBA0001476
Email id of A/C Holder	registrar@iopb.res.in
Email id of PI	dr.tgreddy@gmail.com

12. 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.

13. 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.

14. The project File no. CRG/2021/006934 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

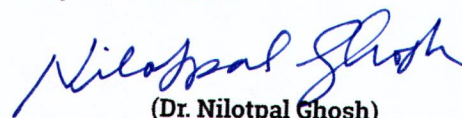
15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

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

17. 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.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. 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.



(Dr. Nilotpal Ghosh)

MS

nilotp@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