

### **3.1.1**

Grants Received and grants disbursed from Government and non-governmental agencies for research projects, endowments in the institution during the year (INR)

| <b>S.No</b> | <b>Name of the Project</b>   | <b>Page no.</b> |
|-------------|--|-----------------|
| 1           | Design, virtual fabrication and characterization of floating gate field effect transistor based toxic gas sensor for industrial applications | 2-11            |
| 2           | Maintenance and Development of CMRIE (Centre for multidisciplinary, research, innovation and entrepreneurship)                               | 12              |

Dated: 14 July, 2021

**ORDER**

Subject: Research project entitled **Design, virtual fabrication and characterization of floating gate field effect transistor based toxic gas sensor for industrial applications** under the guidance of Dr. Sneha Kabra, Instrumentation, Shaheed Rajguru College of Applied Sciences for Women, Vasundhara enclave, east delhi, new delhi, Delhi-110096 and by Dr. Yogesh Pratap, Assistant Professor, Instrumentation, Shaheed Rajguru College Of Applied Sciences For Women.

1. In continuation of SERB's sanction order No. SPG/2021/001590 dated 14 July, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.1795900/-** under 'Grants-in-aid General' to Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi, New Delhi, Delhi-110096 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](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 14 July, 2021.
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 SERB POWER Grant (General).
5. The Sanction has been issued with the approval of the competent authority on **15 June, 2021** and vide Diary No. **SERB/F/1226/2021-2022** dated **09 July, 2021**.
6. The release amount of **Rs. 598000/-** (Rupees Five Lakh Ninety Eight 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       | C-6426  |
| Account Name           | ECR/2017/000576   |
| Account Number         | 0877104000080538  |
| Bank Name & Branch     | IDBI Bank Mayur Vihar, C 35 and 36 Acharya Niketan, Mayur Vihar Phase I New Delhi |
| IFSC/RTGS Code         | IBKL0000877   |
| Email id of A/C Holder | principal@rajguru.du.ac.in  |
| Email id of PI         | snehakabral@gmail.com   |

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
[monika@serb.gov.in](mailto:monika@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><b>Dr. Sneha Kabra</b><br/> <b>Instrumentation</b><br/> <b>Shaheed Rajguru College of Applied Sciences for Women , Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096</b><br/> <b>Email: snehakabra1@gmail.com</b><br/> <b>Mobile: 919868847325</b></p> <p><b>Dr. Yogesh Pratap</b><br/> <b>Instrumentation</b><br/> <b>Shaheed Rajguru College Of Applied Sciences For Women</b><br/> (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><b>Principal,</b><br/> <b>Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi</b></p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>   |

*Monika Agarwal*  
**(Dr. Monika Agarwal)**  
Scientist F  
monika@serb.gov.in



Dated: 14 July, 2021

**ORDER**

Subject: Financial Sanction of the research project titled **Design, virtual fabrication and characterization of floating gate field effect transistor based toxic gas sensor for industrial applications** under the guidance of Dr. Sneha Kabra, Instrumentation, Shaheed Rajguru College of Applied Sciences for Women, Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096 and by Dr. Yogesh Pratap, Assistant Professor, Instrumentation, Shaheed Rajguru College Of Applied Sciences For Women - 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. 2990900/- (Rs. Twenty Nine Lakh Ninety Thousand Nine Hundred Only)** with break-up of **Rs. 1195000/- under Capital (Non-recurring) head** and **Rs.1795900/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 2990900/-** has been approved are given below:

| S. No     | Head   | Total (in Rs.)         |
|-----------|--|------------------------|
| <b>A</b>  | <b>Non-recurring</b>   |                        |
| 1         | Equipment<br>-> TCAD tool<br>-> Workstation/Server   | 1195000                |
| <b>A'</b> | <b>Total (Non-Recurring)</b>   | <b>1195000</b>         |
| <b>B</b>  | <b>Recurring Items</b>   |                        |
| 1         | Recurring - I : (Manpower)<br>Recurring - II : ( Consumables, Travel, Contingencies)<br>Recurring - III : Scientific Social Responsibility | 1164000<br>360000<br>0 |
| 2         | Recurring - IV : (Overhead Charges)  | 271900                 |
| <b>B'</b> | <b>Total (Recurring)</b>   | <b>1795900</b>         |
| <b>C</b>  | <b>Total cost of the project (A' + B')</b>   | <b>2990900</b>         |

2. 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)).
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 activities 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 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. SPG/2021/001590 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.

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

|    |  |
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| 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><b>Dr. Sneha Kabra</b><br/><b>Instrumentation</b><br/><b>Shaheed Rajguru College of Applied Sciences for Women , Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096</b><br/><b>Email: snehakabra1@gmail.com</b><br/><b>Mobile: 919868847325</b></p> <p><b>Dr. Yogesh Pratap</b><br/><b>Instrumentation</b><br/><b>Shaheed Rajguru College Of Applied Sciences For Women</b><br/>(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><b>Principal,</b><br/><b>Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi</b></p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>   |

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in



The updated RTGS details of the Shaheed Rajguru College of Applied Sciences for Women , Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096 is as below:

|                        |   |
|------------------------|---|
| PFMS Unique Code       | SRCASW  |
| Account Name           | SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCESFOR WOMEN - SERB         |
| Account Number         | 0877104000119009  |
| Bank Name & Branch     | IDBI Bank C 35 and 36 Acharya Niketan Mayur Vihar Phase I New Delhi |
| IFSC/RTGS Code         | IBKL0000877   |
| Email id of A/C Holder | principal@rajguru.du.ac.in  |

*Howiepa Aganwal*

FILE NO. SPG/2021/001590-C  
**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: 14 July, 2021

**ORDER**

Subject: Research project entitled **Design, virtual fabrication and characterization of floating gate field effect transistor based toxic gas sensor for industrial applications** under the guidance of Dr. Sneha Kabra, Instrumentation, Shaheed Rajguru College of Applied Sciences for Women, Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096 and by Dr. Yogesh Pratap, Assistant Professor, Instrumentation, Shaheed Rajguru College Of Applied Sciences For Women.

1. In continuation of SERB's sanction order No. SPG/2021/001590 dated 14 July, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.1195000/-** under 'Grants-in-aid Capital' to Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi, New Delhi, Delhi-110096 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 14 July, 2021.
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 SERB POWER Grant (Capital).
5. The Sanction has been issued with the approval of the competent authority on **15 June, 2021** and vide Diary No. **SERB/F/1225/2021-2022** dated **09 July, 2021**.
6. The release amount of **Rs. 1195000/-** (Rupees Eleven Lakh Ninety 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:

|                               |   |
|-------------------------------|---|
| <b>PFMS Unique Code</b>       | C-6426  |
| <b>Account Name</b>           | ECR/2017/000576   |
| <b>Account Number</b>         | 0877104000080538  |
| <b>Bank Name &amp; Branch</b> | IDBI Bank Mayur Vihar, C 35 and 36 Acharya Niketan, Mayur Vihar Phase I New Delhi |
| <b>IFSC/RTGS Code</b>         | IBKL0000877   |
| <b>Email id of A/C Holder</b> | principal@rajguru.du.ac.in  |
| <b>Email id of PI</b>         | snehakabra1@gmail.com   |

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in

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

|    |   |
|----|---|
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| 2. | Sanction Folder, SERB, New Delhi.   |
| 3. | File Copy   |



|    |   |
|----|---|
| 4. | <p><b>Dr. Sneha Kabra</b><br/> <b>Instrumentation</b><br/> <b>Shaheed Rajguru College of Applied Sciences for Women , Vasundhara enclave, east delhi, new delhi,</b><br/> <b>New delhi, Delhi-110096</b><br/> <b>Email: snehakabra1@gmail.com</b><br/> <b>Mobile: 919868847325</b></p> <p><b>Dr. Yogesh Pratap</b><br/> <b>Instrumentation</b><br/> <b>Shaheed Rajguru College Of Applied Sciences For Women</b><br/> (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><b>Principal,</b><br/> <b>Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi</b></p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>   |

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in



BP-2023-24-2200

FILE NO. SPG/2021/001590

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

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

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

Dated: 14-Jun-2023

**ORDER**

Subject: Research project entitled "**Design, virtual fabrication and characterization of floating gate field effect transistor based toxic gas sensor for industrial applications**" under the guidance of Dr. Sneha Kabra, Instrumentation, Shaheed Rajguru College of Applied Sciences for Women, Vasundhara enclave, east delhi, new delhi, New delhi, Delhi-110096 and by Dr. Yogesh Pratap, Assistant Professor, Electronics, Shaheed Rajguru College Of Applied Sciences For Women.

1. This is in continuation of SERB's sanction order No. "SPG/2021/001590" dated "14 July, 2021 " of **Science and Engineering Research Board (SERB)**.
2. Sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 580633/-** (Rupees Five Lakh Eighty Thousand Six Hundred and Thirty Three only) under 'Grants-in-aid General' to **Principal, Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi** Under Grant-in-aid General being the 3rd grant for the financial year 2023-2024 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. 244314/-** (Rupees Two Lakh Forty Four Thousand Three Hundred and Fourteen only) (Recurring Rs. 241864 and Non-Recurring Rs. 2450 ) to Shaheed Rajguru College of Applied Sciences for Women, Vasundhara Enclave, East Delhi, New Delhi from FY 2022-2023 to FY 2023-2024 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 SERB-POWER Grant. (POWER PAC for Electrical Electronics & Computer Engineering) (GEN).**
7. The Sanction has been issued to Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara Enclave, East Delhi, New Delhi with the approval of the competent authority under delegated powers on **12 June, 2023** and vide Diary No. **SERB/F/2118/2023-2024** dated **14 June, 2023**
8. The release amount of **Rs. 580633/-** (Rupees Five Lakh Eighty Thousand Six Hundred and Thirty Three only) (Recurring Rs. 580633 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>       | SRCASW  |
| <b>Account Name</b>           | SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCESFOR WOMEN - SERB         |
| <b>Account Number</b>         | 0877104000119009  |
| <b>Bank Name &amp; Branch</b> | IDBI Bank C 35 and 36 Acharya Niketan Mayur Vihar Phase I New Delhi |
| <b>IFSC/RTGS Code</b>         | IBKL0000877   |



|                        |                            |
|------------------------|----------------------------|
| Email id of A/C Holder | principal@rajguru.du.ac.in |
| Email id of PI         | snehakabra1@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.

*Monika Agarwal*  
(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in

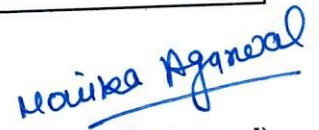
To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

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| 2. | Sanction Folder, SERB , New Delhi.  |
| 3. | File Copy   |
| 4. | <p><b>Dr. Sneha Kabra</b><br/><b>Instrumentation</b><br/><b>Shaheed Rajguru College of Applied Sciences for Women , Vasundhara</b><br/><b>enclave, east delhi, new delhi, New delhi, Delhi-110096</b><br/><b>Email: snehakabra1@gmail.com</b><br/><b>Mobile: 919868847325</b></p> <p><b>Dr. Yogesh Pratap</b><br/><b>Electronics</b><br/><b>Shaheed Rajguru College Of Applied Sciences For Women</b></p> |



|    |   |
|----|---|
| 5. | Principal,<br>Shaheed Rajguru College Of Applied Sciences For Women, Vasundhara<br>Enclave, East Delhi, New Delhi |
|----|---|



(Dr. Monika Agarwal)  
Scientist F  
monika@serb.gov.in



भारतीय सामाजिक विज्ञान अनुसंधान परिषद्  
शिक्षा मंत्रालय, भारत सरकार  
**INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH**  
Ministry of Education, Government of India



**Abhinav Paliwal**  
Assistant Director  
Publication & Research Survey Division  
Ph: 011-26711536  
Email: abpaliwal@icssr.org

F.No. 14-M-10/2021-22/PRS

Dated: 20.03.2024

**Prof. Payal Mago**  
Principal  
Shaheed Rajguru College, University of Delhi  
Centre for Multidisciplinary Research,  
Innovation & Entrepreneurship  
Vasundhara Enclave, Delhi-110 096  
Mob: 8800672660  
Email: principal@rajguru.du.ac.in  
dr.payalmago@gmail.com

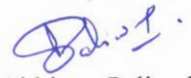
**SANCTION ORDER**

Sub: Grant-in-aid for Maintenance and Development to 'Centre for Multidisciplinary Research, Innovation & Entrepreneurship' for the year 2023-24.

The approval of ICSSR is hereby conveyed to the sanction of a grant-in-aid of **Rs. 4,00,000/- (Rupees Four Lakh Only)** for Maintenance and Development to 'Centre for Multidisciplinary Research, Innovation & Entrepreneurship' for the year 2023-24.

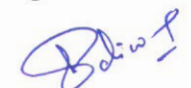
- An amount of **Rs. 3,60,000/-** would be released on receipt of Grant-in-aid Bill from you (proforma enclosed).
- The balance amount of **Rs. 40,000/-** would be released subject to fulfillment of the following terms and conditions:
  - The amount sanctioned would be utilized for expenditure related to the day to day activities of Organisation;
  - The Audited Statement of entire expenditure incurred during the year together with the utilization certificate may be submitted to ICSSR;
  - A copy of the activities of the organization during the year would be given to ICSSR;
  - Five copies of the journal, if published, may also be sent to ICSSR; and
  - An acknowledgement of the financial assistance received from the ICSSR may be mentioned in the Annual Report.

The expenditure on this account will be debitable to the Budget Head: OH31-I-Publications (Maintenance) GEN.

  
Abhinav Paliwal  
(For Member-Secretary)

Copy for information and necessary action to:

- Finance Branch, ICSSR: The expenditure involved will be debited to the Budget Head Accounts (GEN OH-31)-I-Publications (Maintenance).
- Record File

  
Abhinav Paliwal  
(For Member-Secretary)