

Prof Shyama Rathi  
Physics & Astrophysics

SER B- DST-419<sup>358</sup>

9811287568

दिल्ली विश्वविद्यालय

UNIVERSITY OF DELHI

Samarth  
0072

फाइल संख्या

FINANCE II (i)

File No.

18/03/2021 to 17/03/2024

Samarth Project ID  
0072



PI - Prof. Shyama Rathi

Title - Generative ... Technology

विभाग

Department

विषय

Subject

अनुभाग

Section

FA - SERB

Term 3 yr

Cost ₹ 40.6 Lakh

Rs. - 42,46,000/-

482,000/-

FILE NO. CRG/2020/005455  
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: 15-Mar-2021

**ORDER**

Subject: Financial Sanction of the research project titled "Generation and Assessment of Optically Addressable Point Defects in Silicon Carbide for new quantum technologies" under the guidance of Prof. Shyamrao Rath, Physics and Astrophysics, University of Delhi, North Campus, New delhi, delhi, New delhi, Delhi-110007 .  
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. 4246000/- (Rs. Forty Two Lakh Forty Six Thousand Only) with break-up of Rs. 2800000/- under Capital (Non-recurring) head and Rs.1446000/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4246000/- has been approved are given below:

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> computer and printer -> Thermal Annealing set up with PID controller -> laser -> Ultrasonicator	2800000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>2800000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Manpower) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	0 1000000 60000
2	Recurring - IV : (Overhead Charges)	386000
<b>B'</b>	<b>Total (Recurring)</b>	<b>1446000</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4246000</b>

2. Sanction of the SERB is also accorded to the payment of Rs. 2800000/- (Rupees Twenty Eight Lakh only) under 'Grants for creation of capital assets' and Rs. 522000/- (Rupees Five Lakh Twenty Two Thousand only) under 'Grants-in-aid General' to The Registrar, University Of Delhi, New Delhi, Delhi being the first installment of the grant for the year 2020-2021 for implementation of the said research project.

3. The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant. (PAC Physics-2 (Lasers Optics Atomic & Molecular Physics, Plasma High Energy Nuclear Physics Astronomy & Astrophysics and Nonlinear dynamics))

4. The Sanction has been issued to University Of Delhi, New Delhi, Delhi with the approval of the competent authority under delegated powers on 12 March, 2021 and vide Diary No. SERB/F/8408/2020-2021 dated 14 March, 2021

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. 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. 3322000/- (Rupees Thirty Three Lakh Twenty Two 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

*Shyamrao Rath*

Budget Details

File Name: CRG/2020/005455

Project Title: Generation and Assessment of Optically Addressable Point Defects in Silicon Carbide for new quantum technologies

PI Name: Shyama Rath

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
		2800000
1	Equipment -> laser - 1 -> Thermal Annealing set up with PID controller - 1 -> Ultrasonicator - 1 -> computer and printer - 1	
<b>A'</b>	<b>Total - Capital</b>	<b>2800000</b>
<b>B</b>	<b>Recurring Items</b>	0
1	Research Personnel	700000
2	Consumables	150000
3	Travel	150000
4	Contingencies	0
5	Other Cost 0	60000
6	Scientific Social Responsibility	1060000
	<b>General - I ( Consumables, Travel, Contingencies, SSR)</b>	<b>286000</b>
	<b>General - II Overhead Charges</b>	<b>1446000</b>
<b>B'</b>	<b>Total - Recurring</b>	<b>1060000</b>
<b>C</b>	<b>Total cost of the project (without overhead)</b>	<b>4246000</b>
<b>D</b>	<b>Total cost of the project (A' + B')</b>	

*Shyama Rath*  
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