

Subject: SERB-Notification
From: "Dr. Magesh KK" <ms_pm@serbonline.in>
Date: 10/17/2016, 2:46 PM
To: <"info@serbonline.in"@imsva02.cdacnoida.in>

Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
5 & 5A, Lower Ground Floor
Vasant Square Mall
Sector-B, Pocket-5
Vasant Kunj
New Delhi - 110 070

Approval Letter

File Number: ECR/2016/000531

Dated: 17-Oct-2016

Subject: Project titled "Optical manipulation and trapping single gold shell encapsulated semiconductor quantum dots and application towards bioimaging".

Dear Dr. Sudhir Cherukulappurath,

The project cited above has been approved by Science and Engineering Research Board (SERB) for funding. The following are the approved items for a period of 3 years. The final budget to be sanctioned would be based on quotations received, existing norms etc.

The committee recommended the following budget

Manpower : JRF-1

Equipment Details : As proposed

- > CW fiber laser Source (785 nm, 200-500 mW) - 1
- > Diode laser - 1
- > Optical Table - 1
- > Optical Microscope with scanning stage accessories - 1

Consumables : As proposed
Travel Cost : As per norms
Contingencies : As per norms
Overhead : As per norms

Kindly follow the below steps only then you will be able to acknowledge the approval letter :

1. Go to www.serbonline.in through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals
3. Click on the link under Status column "Proposal Approved, Acknowledgment pending from PI"

You are now requested to upload the lowest quotation for equipment/s (including freight, insurance, customs charges etc., if any) and salary structure for the project staff (including HRA, Medical Benefits, if applicable etc.) at the earliest so as to enable us to issue the financial sanction. A certificate stating that any visit abroad for a period more than eight weeks would be undertaken after due permission from SERB, may also be submitted.

Kindly upload RTGS details of the implementing institute to facilitate transfer of the fund as per the template. Kindly quote the reference number in all future correspondence. The project's reference no. ECR/2016/000531 may also be mentioned in all research communications arising from the above project.

This approval letter is valid, subject to the fulfilment of all the eligibility criteria for the ECRA and submission of required documents. If the applicant is found not-eligible at any stage of the proposal, SERB has the full authority to terminate the proposal at any stage.

Yours sincerely,

(Dr. Magesh K K)

Email: ms_pm@serbonline.in

Dr. Sudhir Cherukulappurath

Physics

Goa University , Taleigao, North Goa, Goa-403208

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Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

FILE NO. ECR/2016/000531

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-Dec-2016

ORDER

Subject: Financial Sanction of the research project titled "**Optical manipulation and trapping single gold shell encapsulated semiconductor quantum dots and application towards bioimaging**" under the guidance of Dr. Sudhir Cherukulappurath, Physics, Goa University , Taleigao, North Goa, Goa-403208 - 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. 4855770/- (Rs. Forty Eight Lakh Fifty Five Thousand Seven Hundred and Seventy Only)** with break-up of **Rs. 2958340/- under Capital (Non-recurring) head** and **Rs.1897430/- under General (Recurring) head** for a duration of Three years. The items of expenditure for which the total allocation of **Rs. 4855770/-** has been approved are given below:

The following budget may be considered for **Goa University, Taleigao**