

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Criteria 3

Research, Innovations and Extension

Metric 3.1.3	Percentage of teachers receiving national/international fellowship/financial support by various agencies for advanced studies/ research during the last five years
3.1.3.1	The number of teachers who received national/ international fellowship/financial support by various agencies for advanced studies / research year wise during the last five years

Supporting Documents

1	E-copies of the Award Letters of the Teachers
1	(Year : 2018-19)

Faculty of Technology & Engineering

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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY



Formed under Gujarat State Act No. : 8 of 2009

Accredited Grade A by NAAC
 Accredited Grade A by KCG

Endorsement from the Head of Institution

This is to certify that:

- Institute welcome the participation of Dr. Ramesh V. Upadhyay as the Principal Investigator and Mr. Dipal M. Patel as the Co-Principal Investigator for the project titled "Design and development of prototype shock absorber/ Isolator using Magneto rheological Dampers".
- The applicant, Dr. Ramesh V. Upadhyay, will assume full responsibility for implementing, the project as Principal Investigator.
- The date of commencement of the Award starts from the date on which the institute receives the cheque/draft from ISRO.
- The grant-in-aid by the ISRO, will be used to meet the expenditure on the project and for the period, which the project has been sanctioned as mention in the sanction order.
- 5. No administrative or other liability will be attached ISRO at the end of the project.
- The institute will provide basic infrastructure and other required facilities to the Investigator for undertaking the research project.
- The institute will take into its books all assets created in the above project and its disposal would be at the discretion of ISRO.
- 8. The institute assumes to undertake the financial and other management responsibilities of the



Seal of University /organization Date:

Signature

Registrar of University/ Head of Institute/ Head of organization

June 03,2019

CHARUSAT Campus - Changa, Off Nadiad - Petlad Highway, Gujarat - 388 421, INDIA, Ph # +91-2697-265011, 265021 E-mail : info@charusat.ac.in Web : www.charusat.ac.in

Aegis : Shri Charotar Moti Sattavis Patidar Kelavani Mandal

Doc. No.: SAC/SRA/MQAG/PIQAD/TDP-01

Design and Development of Prototype Shock Absorber/Isolator Using Magnetorheological Dampers

Space Applications Centre (ISRO)

&

Charotar University of Science and Technology

9. Budget:

Sr. No	Particulars	Amount
1	Danuper fabrication charges along with raw materials (to be outsourced)	0,75,000.00
2	MR-fluid cost (~100 ml per damper)	0,50,000.00
3	Isolator plates purchase and machining as per requirements.	0,30,000.00
4	Contingency and travel	0,50,000.00
5	Other miscellanious expenditure	0,10,000.00
	Total	2,15,000.00

#The wire rope springs will be designed and procured by SAC; the abovementioned cost details do not include cost of wire rope springs to be used in the prototype shock absorber/isolators.

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Principal Investigator and Collaborating Agency: 10.

Space Applications Centre ISRO, Ahmedabad

Charotar University of Science and Technology, CHARUSAT Campus, Changa

Armed

Numan Ahmad (Principal Investigator) Sci/Engr 'SD' PIQAD/MQAG/SRA SAC, ISRO Ahmedabad Phone: 079 2691 4586 Email: nahmad@sac.isro.gov.in

Prof. R V Upadhyay (Collaborating Agency) Principal and Dean of Applied Sciences,

P D Patel Institute of Applied Sciences. CHARUSAT Changa-388421, Distt: Anand, Gujarat Phone: +91 9427215242

Email: rvu.as@charusat.ac.in

Dipal M. Patel (Co- Principal Investigator) Assistant Professor Mechanical Engineering Department CSPIT. CHARUSAT Changa-388421 Dist-Anand, Gujarat Phone :+919428900884 Email: dipalpatel.me@charusat.ac.in

Shri A. K. Lal **Deputy Director** Systems Reliability Area SAC, ISRO Ahmedabad

ए. के. लाल / A. K. LAL उप निदेशक, एस.आार.ए Deputy Director, SRA

Shri. R. M. Shah QM Head, PIOAD/MOAG/SRATT. UH. STIZ / R. M. Shah प्रधान, पी आईक्यूएडी (तमक्यूएडी/तम आगत SAC, ISRO Ahmedabad

Shri K. B. Vyas

Group Director Mechanical Quality Assurance Group Systems Reliability Area SAC, ISRO Ahmedabad

aure / K.B. VVAS

ाप निवेशक, एमक्यूएजी/एसआरण Group Director, MQAG / SRA sinfter उपयोग केंद्र (इसगे)

10

Head, PIQAD / MQAG / SRA

FILE NO. ECR/2017/002199 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

1/2

Subject: Financial Sanction of the research project tilled "EVALUATION OF MONSOONAL URBAN HEAT ISLAND AND ITS EFFECT ON LOCAL MONSOON UNSET AND HEAVY RAINFALL CLIMATOLOGY OVER INDIAN SUMMER MONSOON" under the guidance of DI. Hiteshri Kamlesh Shasti, CIVIL ENGINEERING, Charotar University of Science & Technology Charota - Post chanoa, petlad, Anand, Guiarat-388421 - Release of Ist grant Dated: 31-Jul-2018 University of Science & Technology, Changa , Post changa, petlad, Anand, Gujarat-388421 - 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. 1617000/- (Rs. Sixteen Lakh Seventeen Thousand Only) with break-up of Rs. 1230000/- under Capital (Non-recurring) head and Rs. 387000/- under General (Recurring) head for a distribution of 36 months. The items of expenditure for which the total ellocation of Rs. 1617000/- has been

duration of 36 months. The items of expenditure for which the total allocation of **Rs. 1617000/-** has been The following budget may be considered for Charotar University Of Science & Technology, Changa, Post

S. No	Head	
Α	Non-recurring	
1	Equipment	Total (in Rs.)
	-> High Performance Computing Facility, Computer Server Machine -> GIS Software +18 % GST	1230000
A'	Total (Non-Recurring)	120000
B	Recurring Items	
1	Recurring I Of	1230000
2	Recurring - II : (Onsumables, Travel, Contingencies) Recurring - III : (Overhead Charges)	0
	Total (Recurring)	240000
	Total cost of the project (A' + B')	147000
	ter of the project (A' + B')	387000
		1617000

2. Sanction of the SERB is also accorded to the payment of Rs. 1230000/- (Rupees Twelve Lakh Thirty 2. Sanction of the SERD is also accorded to the payment of RS. 1230000/- (hupees Twerve Lakn Unitry Thousand only) under 'Grants for creation of capital assets' and Rs. 120000/- (Rupees One Lakh Twenty Thousand only) under 'Grants-in-aid General' to University Registrar, Charotar University Of Science & Technology Change, Best Change, Potled, hence the first installment of the grant for the year 2018-2019. Technology, Changa, Post Changa, Petlad being the first installment of the grant for the year 2018-2019 for implementation of the said research project. 3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) 3. The experiantine involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Earth & Atmospheric Sciences)

4. The Sanction has been issued to Charotar University Of Science & Technology, Changa, Post Changa, Petlad with the approval of the competent authority under delegated powers on 24 July, 2018 and vide Diary No. SERB/F/4934/2018-2019 dated 25 July, 2018

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

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. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit

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

10. The release amount of Rs. 1350000/- (Rupees Thirteen Lakh Fifty Thousand only) will be drawn by the To, the release amount or Rs. 13000007- impress thirteen takin ritry 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

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Number	30875081005	
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http://www.serbonline.in/SERB/GenerateSanctionInRelease?Prold=242017002752&rtd=0

The Electronic Project Proposal Management System, For SERB

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Bank Name & Branch	STATE BANK OF INDIA STATE BANK OF INDIA, CHANGA BRANCH, DARSHAN SHOPPING CENTRE, PO . CHANGA, TA ; PETLAD, PIN - 388421
IFSC/RTGS Code	SBIN0010961
Email id of A/C Holder	devang.adm@charusat.ac.in
Email id of PI	shastrihiteshri@hotmail.com

If The institute will turnish 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.

12. 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.

13. The project File no. ECR/2017/002199 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

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

16. 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

17 The organization/institute/university should ensure that the technical support/financial assistance

17 The organization/institute/university should ensure that the technical support/infancial 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.

18. In addition, the investigator/host institute must also acknowledge the support provided to them in all To 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 Science &

(Dr. Prahlad Ram)

Scientist C prahlad@serb.gov.in

1.	varied for information and necessary action to: -
2.	The Principal Director of Audit A G C R.Building, Illid Floor LP. Estate, Delhi-110002 Sanction Folder, SERF. New Delhi
3.	File Copy
4.	Dr. Hiteshri Kamlesh Shastri CIVIL ENGINEERING Charotar University of Science & Technology, Changa , Post changa, petlad, Anand, Gujarat- 388421 Email: shastrihiteshri@hotmail.com Mobile: 918879137964 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <u>www.scrb.gov_it.</u>)
5.	University Registrar, Charotar University Of Science & Technology, Changa, Post Changa, Petlad
	(Receipt of Grant may be intimated by name to the undersigned)

131.7 (Dr. Prablat Ram) Scientist C prahlad@serb.gov.m

Τo,

Under Secretary

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

> Yours sincerely, (Dr. Prahlad Ram) Scientist C

Email: prahlad@serb.gov.m

File Number: ECR/2017/002109

Subject: Project titled "EVALUATION OF MONSCONAL URBAN HEAT ISLAND AND ITS EFFECT ON LOCAL MONSCON Dated. 12-Feb-2018 ONSET AND HEAVY RAINFALL CLIMATOLOGY OVER INDIAN SUMMER MONSOON" Dear Dr. Hiteshri Kamlesh Shastri,

Approval Letter

The project cited above has been recommended for funding with the following items for a period of three years. The final budget to be sanctioned would be based on quotations received, existing norms, funds availability etc. In all probability, the funds will be released during the next financial year (2018-19) only. Equipment Details :12,00,000/- (Approx.)

GIS Software + work station - 1 Consumables : As proposed

Travel Cost : As proposed

Contingencies : As proposed

Overhead ; As per norms Category-A

Kindly follow the below steps only then you will be able to acknowledge the approval letter I. 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/2017/002199 may also be mentioned in all research communications arising from the above project.

Dr. Hiteshri Kamlesh Shastri CIVIL ENGINEERING

Charotar University Of Science & Technology, Changa , Post Changa, Petlad, Anand, Gujarat-388421



Hiteshri Shastri <hiteshrishastri.cv@charusat.ac.in>

Fwd: SERB-Notification

12 messages

hiteshri shastri <shastrihiteshri@hotmail.com> To: Hiteshri Shastri <hiteshrishastri.cv@charusat.ac.in> Thu, Nov 1, 2018 at 6:05 PM

Sent from my ASUS

------ Original Message ------From:SERB_Administrator@serbonline.in Sent:Thu, 01 Nov 2018 17:21:47 +0530 Subject:SERB-Notification



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)

5 & 5A, Lower Ground Floor Vasant Square Mall Sector-B, Pocket-5 Vasant Kunj New Delhi - 110 070

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2018/000992

Dated: 01-Nov-2018

Subject: Application titled "A Short Term Training Programme on : Capacity Building for Interdisciplinary Research on Climate Change"

Dear Dr. Hiteshri Kamlesh Shastri,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide Rs 1,00,000/- as partial grant-in-aid to the recommended application.

You are requested to submit affidavit (Bond) on Rs. 100/- non-judicial stamp paper, in original (by speed / registered post), scan copy through online is also require to submit (format link- http://serbonline.in/ SERB/AbstractFilePath?FileType=E&FileName=BND_SSY.pdf&PathKey=DOCUMENT_TEMPLATE).

Kindly submit the required document within <u>20 days</u> of the receipt of this letter in order to enable us to process the. file for release of funds. In case, we do not receive the requested document within provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter. With kind regards,

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With kind regards,

(Dr. Ramesh Vijayan)

Scientist C

Ph:

Email: seminar.symposia@serb.gov.in

Dr. Hiteshri Kamlesh Shastri

CIVIL ENGINEERING

11/19/2018

Charotar University Of Science & Technology, Changa , Post Changa, Petlad, Anand, Gujarat-388421

Please do not reply to this mail !!

[SERB is now on Social-Media. Kindly follow us on Twitter: @serbonline https://www.twitter.com/serbonline]

This is a system generated information and does not require any signature. This E-Mail may contain Confidential and/or legally privileged Information and is meant for the intendedrecipient(s) only. If you have received this e-mail in error and are not the intended recipient/s, kindly notify us at info@serbonline.in and then delete this e-mail immediately from your system. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email or any action taken in reliance on this e-mail is strictly prohibited and may be unlawful. Internet communications cannot be guaranteed to be timely, secure, error or virus-free. The sender does not accept any liability for any errors, omissions, viruses or computer problems experienced by any recipient as a result of this e-mail.

****** 'SAVE PAPER - THINK BEFORE YOU PRINT!'

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Thu, Nov 1, 2018 at 6:51 PM Hiteshri Shastri < hiteshrishastri.cv@charusat.ac.in> To: Head Civil CHARUSAT <hod.cv@charusat.ac.in>, "Principal C.S.Patel Institute of Technology" <principal.cspit@charusat.ac.in>, Dean CSPIT CHARUSAT <dean.cspit@charusat.ac.in>, Registrar CHARUSAT <registrar@charusat.ac.in>, "Dr. Harish Desai" <harishdesai.adm@charusat.ac.in>

Dear sir,

I am pleased to forward you DST-SERB notification for granting Rs 1,00,000/- as partial support towards conducting. Short Term Training Programme on : Capacity Building for Interdisciplinary Research on Climate Change. Thanking you for the support and guidance. With Best Regards Hiteshri

Please find the funding [Quoted text hidden]

Hiteshri Shastri < hiteshrishastri.cv@charusat.ac.in> To: Gaurav Kapse <gauravkapse.cv@charusat.ac.in> Thu, Nov 1, 2018 at 6:52 PM

Hi... See this...ur there tomorrow ...??

----- Forwarded message ------From: hiteshri shastri <shastrihiteshri@hotmail.com> Date: Thu, Nov 1, 2018, 6:05 PM Subject: Fwd: SERB-Notification To: Hiteshri Shastri <hiteshrishastri.cv@charusat.ac.in>

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Faculty of Sciences

		Dr. R. V.	Upadhyo	Ŋ	. 7	Page	:1
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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY



Formed under Gujarat State Act No. : 8 of 2009
Accredited Grade A by NAAC Accredited Grade A by KCG

June 03,2019

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- 8. The institute assumes to undertake the financial and other management responsibilities of the



Seal of University /organization Date:

Signature

Registrar of University/ Head of Institute/ Head of organization

CHARUSAT Campus - Changa, Off Nadiad - Petlad Highway, Gujarat - 388 421, INDIA, Ph # +91-2697-265011, 265021 E-mail : info@charusat.ac.in Web : www.charusat.ac.in

WORK PLAN

Doc. No.: SAC/SRA/MQAG/PIQAD/TDP-01

Design and Development of Prototype Shock Absorber/Isolator Using Magnetorheological Dampers

Space Applications Centre (ISRO)

&

Charotar University of Science and Technology

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9. Budget:

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Principal Investigator and Collaborating Agency: 10.

Space Applications Centre ISRO, Ahmedabad

Charotar University of Science and Technology, CHARUSAT Campus, Changa

Prof. R V Upadhyay (Collaborating Agency)

Principal and Dean of Applied Sciences, P D Patel Institute of Applied Sciences, CHARUSAT Changa-388421, Distt: Anand, Gujarat Phone: +91 9427215242

Email: rvu.as@charusat.ac.in

Pale

Dipal M. Patel (Co- Principal Investigator) Assistant Professor Mechanical Engineering Department CSPIT, CHARUSAT Changa-388421 Dist-Anand, Gujarat Phone :+919428900884 Email: dipalpatel.me@charusat.ac.in

- forflard

Shri A. K. Lal Deputy Director Systems Reliability Area SAC, ISRO Ahmedabad ए. के. लाल / A. K. LAL उप निदेशक, एस.आार.ए **Deputy Director, SRA**

Almod

Numan Ahmad (Principal Investigator) Sci/Engr 'SD' PIOAD/MOAG/SRA SAC, ISRO Ahmedabad Phone: 079 2691 4586 Email: nahmad@sac.isro.gov.in

onshot

Head, PIQAD/MQAG/SRATT. एम. शाह / R. M. Shah

प्रधान, पीआईक्युएडी/एमक्यएजी/एसआरए

Head, PIQAD / MOAG / SRA

Shri, R. M. Shah

SAC, ISRO Ahmedabad

Shri K. B. Vyas Group Director Mechanical Quality Assurance Group Systems Reliability Area SAC, ISRO Ahmedabad

