

## PROPOSAL FOR HIMALAYAN RESEARCH FOR FELLOWSHIP- 2016-17 UNDER NATIONAL MISSION ON HIMALAYAS (NMHS)

- 1 **Name and address of the University/Institution -** Delhi Technological University, Shahbad Daulatpur, Bawana Road, Delhi - 110042
- 3 **Mandate and Area of Operation -**
- (a) Delhi Technological University is an autonomous University raised under the Govt of NCT Delhi in 2009. The University has 16 different departments of engineering all of which including humanities and applied sciences department are engaged in Delhi teaching and research in the field of engineering and technology, and its applications
- (b) The University conducts B.Tech, M.Tech and Ph.D courses. The admission to B.Tech Courses is through AIEEE, M.Tech Courses through GATE and Ph.D through written exams.
- (c) The department of Civil Engineering at Delhi Technological University has a very strong research and consultancy base. The department has a very old research and consultancy relationship with local Govt, Semi-Govt and Private organizations/ industries.
- 4 **NMHS thematic areas to be covered through research fellowships with detailed justification -**
- (a) **NMHS thematic area -** Natural and man-made disaster risk reduction, Cloud burst, Glacial Lake Outburst Flood (GLOF) and Flash Flood studies.
- (b) **Detailed justification -** Mountain regions from Andes to Himalaya are warming faster than the global average under climate change. Because of this warming, ice and glaciers are contributing more melt runoff to the lake located in upper part of the mountain region. One of the reason of the formation of the glacial lakes is due to accumulation of glacier melt behind the moraine dams formed by landslides or some other phenomenon. Since these are naturally formed dams with highly porous/ permeable soil material inside the dam body, there is a possibility of breaching of these dams either due to piping or due to overtopping, releasing a sudden discharge of significant magnitude. Sudden discharge of large volumes of water with debris from these lakes has the potential to cause glacial lake outburst floods (GLOFs) in valleys downstream. Just because a lake is getting bigger doesn't necessarily means that it is getting more hazardous. The question is how to decide which one is hazardous and which one has tendency to become hazardous in future.
- In recent years there has been a tremendous growth in Remote Sensing due to availability of high quality sensors. These sensors are capable of obtaining high resolution imageries in different specific bands which are beneficial in various applications such as land cover classifications, environmental observations etc. Hyperspectral images obtained from the sensors such as visible, near-infrared, shortwave, infrared, thermal infrared, and microwave are the sources of various information and can be exploited for obtaining accurate separation of object classes. The several issues that need addressing while dealing with GLOF are making the inventory of glacial lakes in area of study and indentifying disastrous lakes out of them

Annexure -4

REQUIREMENT OF BUDGET

Budget Head	Ist Year (Rs Lacs)	2 <sup>nd</sup> Year (Rs Lacs)	3 <sup>rd</sup> Year (Rs Lacs)	Total (Rs Lacs)	Remarks
Salary and wages -( 02 JRF)	7.800	7.800	8.740	24.340	Salary/wages as per DST/GOI norms for 02 JRF considered with 30 % HRA
Contingencies	1.5	1.5	1.5	4.5	Purchase of stationeries, data storage, postages, seminars/meetings, publication, transport, Labour hiring for field survey etc.
Institutional Overhead @10%	0.93	0.93	1.024	2.884	
<b>Total</b>	<b>10.23</b>	<b>10.23</b>	<b>11.264</b>	<b>31.724</b>	

भारत सरकार  
अन्तरीक्ष विभाग  
अन्तरिक्ष उपयोग केन्द्र  
आंबावाडी विस्तार डाक घर,  
अहमदाबाद-380 015. (भारत)  
दूरभाष : +91-79-26912000,26915000  
फैक्स :



सत्यमेव जयते

39 C/76  
Government of India  
Department of Space  
SPACE APPLICATIONS CENTRE  
Ambawadi Vistar P. O,  
Ahmedabad-380 015. (India)  
Telephone : +91-79-26912000-26915000  
Fax :

डॉ. राज कुमार / Dr. Raj Kumar  
उप निदेशक / Dy. Director  
ईपीएसए / EPSA

दूरभाष Phone:+91 79-26914024  
फैक्स Fax: +91 79-26915862  
ई-मेल E-mail: rksharma@sac.isro.gov.in  
ddepsa@sac.isro.gov.in

Ref: EPSA/4.20/2017

December 19, 2017 ✓

Dear Dr. Tiwari,

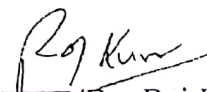
Sub : AVRIS-NG AO project approval and fund allocation

I am happy to inform you that your AVIRIS-NG AO project titled: "Mapping Impervious Surfaces from Temporal Multi-sensor Multiresolution Data and its Area Estimation Using Super resolution" has been approved for funding for 2 years. The total approved fund is 20.0 lakhs. The year-wise budget heads are given in the table below.

Budget Heads	1 <sup>st</sup> year (in lakhs)	2 <sup>nd</sup> year (in lakhs)	Total (in lakhs)
Material (Consumables, other miscellaneous charges, contingency charges etc.)	1.5	1.4	2.9
Services ( RA - 1, hired labour charges )	6.0	6.0	12.0
GT (Field travel/ POL) & Travel (for attending project review and other meetings/conferences/seminars/workshops within India)	1.5	1.6	3.1
Institutional overhead charges (@ 10% )	1.0	1.0	2.0
Total	10.0	10.0	20.0

An amount of Rs. 10.0 lakhs (Rupees ten lakhs only) has been transferred to your institute through accounts office SAC. You are requested to send us quarterly progress reports of the said AO project.

Regards,

  
डॉ. राज कुमार (Dr. Raj Kumar)

To,

K C Tiwari  
Professor, Department of Civil Engineering,  
Delhi Technological University, 110042, Delhi



Account Holders name/ designation	Delhi Technological University, Delhi
Name of Bank	State Bank of India
Bank Account Number	31007875089
IFSC Code	SBIN0010446
E-Mail	msmehata@gmail.com

#### Condition for placing of grant amount

4 The institute will maintain separate audited account for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the (financial year wise) Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.

#### Conditions for submission of SE/UC and Progress report

5 (a) the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project

(b) While submitting Utilisation Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents

(c) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organisation under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant

6 The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS

7. In the event grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s) separate SE/UC has to be furnished for the released Capital head grant

#### Conditions of Assets (if any) :

8.(a) DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017) shall not be disposed of without obtaining the prior approval of DST

(b) The equipment/instrument shall have to be purchased within twelve months from the date of release of the capital grant. Fresh permission shall have to be sought from DST in the event the institute fails to purchase the equipment/instrument within the prescribed period of twelve months from the date of release of sanctioned amount.

**Conditions for International Visits :**

9 All project related visits to be undertaken by the Scientists from either side in connection with the implementation of the project shall require prior approval from this Department separately on a case to case basis before any expenditure is incurred in this regard

10 As per MoF instructions, it has been decided that in all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to their eventual destination beyond which they may utilize the services of another airline which should also preferable be an alliance partner of Air India

**Other Conditions:**

11. The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST) whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017

12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13 In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments, salary, fellowship from any other project either supported by DST or by any other funding agency

14 Failure to comply with the terms and conditions of the sanction order will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.


15. The expenditure involved is debitable to Demand No.84, Department of Science & Technology for the year 2017-18:

3425	Other Scientific Research (Major Head)
60	Others
60 798	International Cooperation (Minor Head)
14	S & T Cooperation with Other countries
14 00 31	Grants-in-aid General for the year 2017-18 (Plan)
	(Previous ICD-3425 60 798 12.00 31)

16 This sanction order being 1<sup>st</sup> instalment for implementation of this project, no SE/UC is due from the grantee institution against this project

17 This issues with the concurrence of IFD vide their concurrence Dy No C/2705 /IFD 2017-18 dated 26.09.2017.

18 As per Rule 234 of GFR 2017, this sanction has been entered at S No. 327 in the register of grants maintained in the Division


  
(S.K. Varshney)  
Scientist 'G'

To, The Pay & Accounts Officer,  
Department of Science & Technology,  
New Delhi-110016

Copy to: Office of the Principal Director of Audit, AGCR Bldg., IP Estate, New Delhi-11002

1. Cash Section (3 copies), DST
2. I F Division/Accounts Section, DST
3. Sanction Folder
4. Project File.
5. Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University,  
Delhi - 110042
6. Director / Registrar, Delhi Technological University, Delhi - 110042
7. Finance Officer, Delhi Technological University, Delhi - 110042
- 8.


"There is provision for manpower in the project. For recruitment of manpower the should be nominee from DST also in selection committee. As soon as someone is appointed his/her name, copy of joining report, appointment order, qualifications & post should be sent to DST. Position of manpower are co-terminus with duration of the project and DST would have no liability to meet these manpower costs beyond the duration of the project." DST should get acceptance of the terms of this grant from the Institute.

  
(S.K. Varshney)  
Scientist 'G'

Annexure

Break up of expenditure on each visit of Indian Scientists visiting collaborative institute is calculated broadly as below: (All conversion US \$ 1 = Rs. 60)

1) International Fare Delhi - Moscow - Delhi	Rs. 80,000
i. By excursion - economy class	Rs. 4,000
2) Medical Insurance (Silver Class)	Rs. 2,000
3) Domestic Travel related to visit	Rs. 8,000
4) Visa Fee (as per actual)	Rs. 1,05,000
5) Accommodation in Moscow @ US \$ 125 for 14 days	Rs. 33,600
6) Cash Allowance @ US \$ 40 for 14 days	Rs. 21,000
7) Transport @ US \$ 25 for 14 days	2,61,600/-
Total	

  
(S.K. Varshney)  
Scientist 'G'

FILE NO. EMR/2016/001874

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

(a statutory body of the Department of Science &amp; 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: 09-Mar-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Design, Development and Testing of Control and Synchronization of Power Electronics based Converters with Renewable Energy sources" under the guidance of Dr. Alka Singh, Electrical, Delhi Technological University, Bawana auchandi rd, shahabad daulatpur, rohini, Delhi, Delhi-110075 - 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. 6887252/- (Rs. Sixty Eight Lakh Eighty Seven Thousand Two Hundred and Fifty Two Only) with break-up of Rs. 4444339/- under Capital (Non-recurring) head and Rs.2442913/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 6887252/- has been approved are given below:

The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini

S.No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> battery bank / charge controller -> Advanced Control Education Kit MicroLabBox ACE_MLBX_1302T ACE Kit -> PV simulator -> three phase programmable power supply -> DC-DC boost converter -> pv module -> loads (linear and non linear)	4444339
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>4444339</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1816800
2	Recurring - B : (Overhead Charges)	626113
<b>B'</b>	<b>Total (Recurring)</b>	<b>2442913</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>6887252</b>

2. Sanction of the SERB is also accorded to the payment of

- Rs. 4444339/- (Rupees Forty Four Lakh Forty Four Thousand Three Hundred and Thirty Nine only) under 'Grants for creation of capital assets' and Rs. 100000/- (Rupees One Lakh only) under 'Grants-in-aid General' to Vice Chancellor, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini being the first installment of the grant for the year 2016-2017 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 Extra Mural Research Funding (Individual Centric). (PAC Electrical Electronics & Computer Engineering)

4. The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini with the approval of the competent authority under delegated powers on 28 February, 2017 and vide Diary No. SERB/F/9222/2016-17 dated 09 March, 2017

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)).

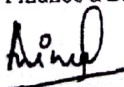
6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, 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 whenever the institute is called upon to do so.

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. 4544339/- (Rupees Forty Five Lakh Forty Four Thousand Three Hundred and Thirty Nine only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of





RTGS transaction as per their Bank details given below:

Account Name	Registrar, DTU
Account Number	31007875089
Bank Name & Branch	State Bank of India State bank of India(10446)Delhi College of EngineeringBawana RoadDelhi 110042
IFSC/RTGS Code	SBIN0010446
Email id of A/C Holder	registrardtu@dce.ac.in
Email id of PI	alkasingh.dr@gmail.com

11. 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.

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. EMR/2016/001874 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

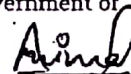
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

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 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 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.

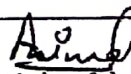


(Dr. Anima Johari)  
Scientist C  
ms\_ee@serbonline.in

To,  
Finance & Budget Officer  
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.	Dr. Alka Singh Electrical Delhi Technological University, Bawana auchandi rd, shahabad daultapur, rohini, Delhi, Delhi-110075 Email: alkasingh.dr@gmail.com Mobile: 919910290164 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	Vice Chancellor, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini  (Receipt of Grant may be intimated by name to the undersigned)



(Dr. Anima Johari)  
Scientist C  
ms\_ee@serbonline.in

FILE NO. EMR/2016/001874  
**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

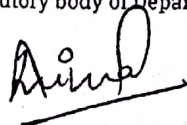
Dated: 06-Jun-2017

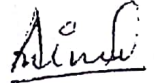
**ORDER**

Subject: Research project entitled "Design, Development and Testing of Control and Synchronization of Power Electronics based Converters with Renewable Energy sources" under the guidance of Dr. Alka Singh, Electrical, Delhi Technological University, Bawana auchandi rd, shahabad daulatpur, rohini, Delhi, Delhi-110075.

1. This is in continuation of SERB's sanction order No. "EMR/2016/001874" dated "09 March, 2017" of Science and Engineering Research Board (SERB).
2. Sanction of the competent authority is hereby accorded to the payment of a sum of
  - Rs. 700000/- (Rupees Seven Lakh only) under 'Grants-in-aid General' to Vice Chancellor, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini being the 2nd grant for the financial year 2017-2018 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. 4544339/- (Rupees Forty Five Lakh Forty Four Thousand Three Hundred and Thirty Nine only) (Recurring Rs. 100000 and Non-Recurring Rs. 4444339) to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini from FY 2016-2017 to FY 2017-2018 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 debit to Fund for Science & Engineering Research (FSER) This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Electrical Electronics & Computer Engineering)
7. The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini with the approval of the competent authority under delegated powers on 23 May, 2017 and vide Diary No. SERB/F/1350/2017-18 dated 05 June, 2017
8. The release amount of Rs. 700000/- (Rupees Seven Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:
 

Account Name	Registrar, DTU
Account Number	31007875089
Bank Name & Branch	State Bank of India State bank of India(10446)Delhi College of EngineeringBawana RoadDelhi 110042
IFSC/RTGS Code	SBIN0010446
Email id of A/C Holder	registrardtu@dce.ac.in
Email id of PI	alkasingh.dr@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.



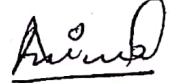


(Dr. Anima Johari)  
Scientist C  
ms\_ee@serbonline.in

To,  
Finance & Budget Officer  
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.	Dr. Alka Singh Electrical Delhi Technological University, Bawana auchandi rd, shahabad daultapur, rohini, Delhi, Delhi-110075 Email: alkasingh.dr@gmail.com Mobile: 919910290164
5.	Vice Chancellor, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini



(Dr. Anima Johari)  
Scientist C  
ms\_ee@serbonline.in

3/10  
44

FILE NO EMR/2016/007479  
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: 27-Sep-2017

**ORDER**

Subject Financial Sanction of the research project titled "Ultrathin 2D- Nanomaterials for Cancer Diagnostic Application" under the guidance of Dr. NITIN KUMAR PUJRI, Department of Applied Physics, Delhi Technological University, Bawana auchandi rd, shahabad daultapur, rohini, Delhi, Delhi-110075 and by Dr. B D Malhotra, Professor, Department Of Biotechnology, Delhi Technological University and by Dr. Saurabh Srivastava, DST-INSPIRE Faculty, Department Of Applied Physics, Delhi Technological University - 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. 4968480/- (Rs. Forty Nine Lakh Sixty Eight Thousand Four Hundred and Eighty Only) with break-up of Rs. 2500000/- under Capital (Non-recurring) head and Rs. 2468480/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4968480/- has been approved are given below:  
The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini

S. No	Head	Total (in Rs.)
A	Non-recurring	2500000
1	Equipment -> Programmable Electrometer -> Electrophoretic deposition setup -> Ultrasonicator -> Muffle Furnace -> Centrifuge -> CVD Set up -> Vacuum Oven	2500000
A'	Total (Non-Recurring)	2500000
B	Recurring Items	2016800
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	451680
2	Recurring - B : (Overhead Charges)	2468480
B'	Total (Recurring)	4968480
C	Total cost of the project (A' + B')	

- Sanction of the SERB is also accorded to the payment of Rs. 2500000/- (Rupees Twenty Five Lakh only) under 'Grants for creation of capital assets' and Rs. 350000/- (Rupees Three Lakh Fifty Thousand only) under 'Grants-in-aid General' to The Registrar, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini with the approval of the competent authority under delegated powers on 20 September, 2017 and vide Diary No. SERB/F/6187/2017-2018 dated 26 September, 2017
- 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)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 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.

10. The release amount of Rs. 2650000/- (Rupees Twenty Eight Lakh Fifty Thousand only) will be drawn by the Under Secretary of the SERB and will be collected by means of RTGS transaction as per their Bank details given below:

Account Name	DTU sponsored project
Account Number	31007875089
Bank Name & Branch	State Bank of India Delhi College of Engineering, DCE campus, Shahbad Daulatpur, Main Bawana Road, Delhi 110042
IFSC/RTGS Code	SBIN0010446
Email id of A/C Holder	registrardtu@dce.ac.in
Email id of PI	nitin.phy@dce.edu

11. 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.

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. EMR/2016/007479 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 liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

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 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 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.

*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.	Dr. NITIN KUMAR PURI Department of Applied Physics Delhi Technological University, Bawana auchandi rd, shahabad daulatpur, rohini, Delhi, Delhi-110075 Email: nitin.phy@dce.edu Mobile: 919871224814  Dr. B D Malhotra Department Of Biotechnology Delhi Technological University  Dr. Saurabh Srivastava Department Of Applied Physics Delhi Technological University (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	The Registrar, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini  (Receipt of Grant may be intimated by name to the undersigned)

V/C

2/c (1/5)

9/27/2017

The Electronic Project Proposal Management System, For SERB

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

1/c

ents

Dated: 05-Oct-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Studies on Novel Visible Up-Conversion Luminescent Rare Earth doped Nanophosphors for Bio-photonic Applications" under the guidance of Dr. Allam Srinivasa Rao, Applied Physics, Delhi Technological University, Bawana auchandi rd, shahabad daultapur, rohini, Delhi, Delhi-110075 - 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. 3648480/- (Rs. Thirty Six Lakh Forty Eight Thousand Four Hundred and Eighty Only) with break-up of Rs. 1500000/- under Capital (Non-recurring) head and Rs. 2148480/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3648480/- has been approved are given below:  
The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini

S. No	Head	Total (in Rs.)
A	Non-recurring	1500000
1	Equipment -> ¼ monochromator with 2 detectors (Visible & NIR) -> Computer/laptop and other peripherals -> 980 nm Laser source with 1 Watt Power -> Optical accessories (Lenses, mirrors, bread boards etc.)	1500000
A'	Total (Non-Recurring)	
B	Recurring Items	1816800
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	331680
2	Recurring - B : (Overhead Charges)	2148480
B'	Total (Recurring)	3648480
C	Total cost of the project (A + B')	///

- Sanction of the SERB is also accorded to the payment of Rs. 1500000/- (Rupees Fifteen Lakh only) under 'Grants for creation of capital assets' and Rs. 716160/- (Rupees Seven Lakh Sixteen Thousand One Hundred and Sixty only) under 'Grants-in-aid General' to Registrar, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini with the approval of the competent authority under delegated powers on 25 September, 2017 and vide Diary No. SERB/F/6426/2017-2018 dated 03 October, 2017
- 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)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 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 release amount of Rs. 2216160/- (Rupees Twenty Two Lakh Sixteen Thousand One Hundred and Sixty 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:

Account Name	Registrar, DTU
Account Number	31007875089

48  
6/c

FILE NO. EMR/2016/005417  
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: 30-Oct-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Analytical and Numerical Simulation of Growth and Field Emission Properties of CNT-Graphene Composites" under the guidance of Prof. Suresh Chandra Sharma, Department of Applied Physics, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini, Delhi-110075 and by Dr. Rinku Sharma, Associate Professor, Applied Physics, Delhi Technological University. 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. 2393794/- (Rs. Twenty Three Lakh Ninety Three Thousand Seven Hundred and Ninety Four Only) with break-up of Rs. 599377/- under Capital (Non-recurring) head and Rs. 1794417/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2393794/- has been approved are given below:  
The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini

S.No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> PC (High speed), UPS, Printer, Softwares, Scanner and other accessories.	599377
A'	Total (Non-Recurring)	599377
B	Recurring Items	
1	Recurring - A: (Manpower, Consumables, Travel, Contingencies)	1576800
2	Recurring - B: (Overhead Charges)	217617
B'	Total (Recurring)	1794417
C	Total cost of the project (A' + B')	2393794

- Sanction of the SERB is also accorded to the payment of Rs. 599377/- (Rupees Five Lakh Ninety Nine Thousand Three Hundred and Seventy Seven only) under 'Grants for creation of capital assets' and Rs. 300000/- (Rupees Three Lakh only) under 'Grants-in-aid General' to Registrar, DTU, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini with the approval of the competent authority under delegated powers on 05 October, 2017 and vide Diary No. SERB/F/6952/2017-2018 dated 18 October, 2017
- 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)).
- 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-A, it should be ensured that not more than Rs. 1.5 Lakh each should be spent for travel and contingency.
- 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 release amount of Rs. 599377/- (Rupees Eight Lakh Ninety Nine Thousand Three Hundred and Seventy Seven 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:

Account Name	Registrar, DTU
Account Number	31007875089



5/c

Bank Name & Branch	State Bank Of India SBI, DCE Campus Delhi Technological University, Shahbad Daultapur, Bawana Road, Delhi 110042
IFSC/RTGS Code	SBIN0010446
Email id of A/C Holder	registrardtu@dce.ac.in
Email id of PI	suresh321sharma@gmail.com

11. 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.

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. EMR/2016/005417 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 liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

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 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 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.

*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, 11th Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Prof. Suresh Chandra Sharma Department of Applied physics Delhi Technological University, Bawana auchandi rd, shahabad daultapur, rohini, Delhi, Delhi-110075 Email: suresh321sharma@gmail.com Mobile: 919810276474  Dr. Rinku Sharma Applied Physics Delhi Technological University (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> )
5.	Registrar, DTU, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daultapur, Rohini  (Receipt of Grant may be intimated by name to the undersigned)

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

4/31

50

F.No. NRDMS/11/1717/010 Part-II B  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology  
(NRDMS)

Technology Bhavan, New Delhi  
17 May 2018

**ORDER**

**Sub:- Financial assistance under the 2<sup>nd</sup> Phase of National Geospatial Chair Professor Scheme to Dr. (Col) K. C. Tiwari, Delhi Technological University (DTU), Delhi - 110042**

Sanction of the President is hereby accorded to the approval of Rs.41,40,000/- for the award of National Geospatial Chair Professor to Dr. (Col) K. C. Tiwari, Delhi Technological University (DTU), Delhi- 110042 under the 2<sup>nd</sup> Phase of National Geospatial Chair Professor Scheme for the duration of 3 years. Following is the detailed cost break up of proposed budget:-

S. No.	Heads	1st Year (1 <sup>st</sup> April 2018-31 <sup>st</sup> March 2019)	2 <sup>nd</sup> Year (1 <sup>st</sup> April 2019-31 <sup>st</sup> March 2020)	3 <sup>rd</sup> Year (1 <sup>st</sup> April 2020-31 <sup>st</sup> March 2021)	Total (in Rs.)
1.	Honorarium @ Rs. 25,000/- pm	Rs. 3,00,000/-	Rs. 3,00,000/-	Rs. 3,00,000/-	9,00,000/-
2.	JRF-2 @Rs. 7,80,000 p. a.	Rs. 7,80,000/-	Rs. 7,80,000/-	Rs. 7,80,000/-	23,40,000/-
3.	Contingencies	Rs. 2,00,000/-	Rs. 2,00,000/-	Rs. 2,00,000/-	6,00,000/-
5.	Institute Overheads (10%)	Rs. 1,00,000/-	Rs. 1,00,000/-	Rs. 1,00,000/-	3,00,000/-
6.	Grand Total (Rupees)	Rs. 13,80,000/-	Rs. 13,80,000/-	Rs. 13,80,000/-	41,40,000/-

2. The sanction of the President is also accorded to the release of Rs. 13,80,000/- (Rupees Thirteen Lakh Eighty Thousand only) to Delhi Technological University (DTU), Delhi-110042 being the first instalment of grant under "General Component" for the proposal mentioned in the above subject.

3. This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

6. The grant-in-aid being released is subject to the condition that

Contd.....next page

*Shubha Purohit*

**Agreement-Signing [2016-India-Canada-MeitY] - Allied Engineering Works Pvt Ltd & Delhi Technological University. | India-Canada-RFP 2016**

1 message

Aditya Narula <adinarula2010@gmail.com>  
 To: Aditya Narula <adinarula2010@gmail.com>

Fri, Nov 30, 2018 at 4:36 PM

----- Forwarded message -----

From: Samrat Ghatak <samrat.ghatak@gita.org.in>  
 Date: Fri, 30 Nov 2018 at 3:17 PM  
 Subject: FW: Agreement-Signing [2016-India-Canada-MeitY] - Allied Engineering Works Pvt Ltd & Delhi Technological University. | India-Canada-RFP 2016  
 To: VISHALVERMA . <vishalverma@dce.ac.in>

From: Leena Vardia [mailto:leena.vardia@gita.org.in]  
 Sent: 03 May 2017 16:37  
 To: ashutosh goel <ashutosh@aewinfra.com>; vishalverma1@hotmail.com  
 Cc: nalin.ks@meit.gov.in; Dr Suprotim Ganguly <suprotim.ganguly@gita.org.in>; Samrat Ghatak <samrat.ghatak@gita.org.in>; Rahul Kulshreshtha <rahul.kulshreshtha@gita.org.in>  
 Subject: Agreement-Signing [2016-India-Canada-MeitY] - Allied Engineering Works Pvt Ltd & Delhi Technological University. | India-Canada-RFP 2016

Dear Mr Goel and Prof. Verma

We cordially invite you for the Agreement Signing Ceremony between GITA & Allied Engineering Works Pvt. Ltd & Delhi Technological University, Delhi, Under India-Canada-RFP 2016. The details of Ceremony & approved Project are appended below for your reference.

Date of Agreement signing: 4th May 2017 (Thursday)

Venue: GITA Meeting Room, IGSSS Building, 28, Institutional Area, Lodi Road, New Delhi – 110 003.

Time: 16:00 – 16:30 Hrs

Project Details:

S.No	Country Programme / RFP	Nature of Funding Support as per RFP Guidelines	Focus Sector	Project Title	Indian Project Lead Companies with details.	International Project Lead
1	India –Canada-RFP 2016	Grant	ICT /ESDM	Design & Manufacturing of Artificial Intelligence based Electronic Metering & Monitoring System for Indian Power Distribution Sector	Allied Engineering Works Pvt. Ltd., Delhi and Delhi Technological University, Delhi	Tangent Design Engineering Ltd., Alberta

We request for your kind confirmation and presence during the agreement signing please.

Regards

Leena

45

19/11/2018

Delhi Technological University Mail - Project Results- 2016UK0203024 | India-UK Collaborative Industrial R&D Programme - Request for...



VISHALVERMA . <vishalverma@dce.ac.in>

### Project Results- 2016UK0203024 | India-UK Collaborative Industrial R&D Programme - Request for Proposals (RFP) 2016

2 messages

Dr Suprotim Ganguly <suprotim.ganguly@gita.org.in>

Thu, Apr 13, 2017 at 11:16 PM

To: asinghal@durableflanges.com

Cc: vishalverma@dce.ac.in, nalin.ks@meity.gov.in, Samrat.ghatak@gita.org.in, rahul.kulshreshtha@gita.org.in, Leena.vardia@gita.org.in, Vimal.kumar@gita.org.in

#### Project Recommendation - 2016UK0203024 | India-UK Collaborative Industrial R&D Programme - Request for Proposals (RFP) 2016

Mr. Ashish Singhal

Durable Flanges Pvt. Ltd., Faridabad

Email: asinghal@durableflanges.com

Proposal title: Design And Development of Smart Electronically Controlled Hybrid Energy Recovery (2016UK0203024) [Sector: MeitY Supported under ICT/ESDM]

Indian Project Partners	UK Project Partners
Durable Flanges Pvt. Ltd., Faridabad	Osprey Research Ltd.
Delhi Technological University (DTU), New Delhi	

Dear Mr. Ashish Singhal:

**Congratulations!** I am pleased to inform you that your project submitted and presented under the India-UK RFP 2016 has been jointly recommended for funding support . Your UK project partners has been already intimated by Innovate UK about this bilateral recommendation.

The assessment process as outlined in the Guidance for Applicants in the Request for Proposal (RFP), is now complete.

Followed by the assessment of the Project Evaluation Committee (PEC) meeting, we have also successfully convened the onsite Due Diligence of this project, alongwith experts and officials on 13<sup>th</sup> April 2017 at your premises in Faridabad. We are happy to inform you that, your Due Diligence process will be completed subject to few related documentation submission as indicated during the meeting. On further approval of the Due-Diligence documentation submission, we shall proceed towards agreement signing process at earliest.

You may kindly note that this intimation is a **Conditional Offer** that your project proposal have been jointly recommended for support, and GITA will subsequently conclude an Agreement on behalf of Ministry of Electronics and IT (MeitY) with all the Indian Project Partners for the project to start as per the guidelines. My colleague, Mr Samrat Ghatak will soon be in touch with you, for the approval of Due-Diligence documentation & closure.

I am also pleased to enclose the draft agreement (with annexure list) template for your perusal, which GITA would be signing-off with the Indian Project Partners after the successful completion of the Due-Diligence process. My colleague, Ms. Leena Vardia would soon be in touch with you for further processes in this regard.

Congratulations once again and GITA wishes you all the best !



Regards

**Dr. Suprotim Ganguly PhD**  
Chief Executive Officer

**Global Innovation & Technology Alliance (GITA)**  
IGSSS Building (4<sup>th</sup> Floor), 28 Institutional Area,  
Lodi Road, New Delhi – 110 003, India  
T:+91 11 4577 2034/ 43573960/61 | F:4577 2014 |  
E: [suprotim.ganguly@gita.org.in](mailto:suprotim.ganguly@gita.org.in) | W: [www.gita.org.in](http://www.gita.org.in)



GLOBAL  
INNOVATION &  
TECHNOLOGY  
ALLIANCE

A Not For Profit JV Company of  
  
Technology Development Board  
Department of Science & Technology  
Government of India  
  
Confederation of  
Indian Industry

GITA is a not-for-profit section-8 company jointly promoted by **Technology Development Board**,  
**Department of Science & Technology, Government of India** and **Confederation of Indian Industry**

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**Disclaimer**

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---

**2 attachments**

 **Grant-Agreement-MeitY-Durable Flanges Pvt. Ltd..docx**  
132K

 **Legal Annexures.docx**  
149K

---

**Ashish Singhal** <asinghal@ durableflanges.com>

Mon, Apr 17, 2017 at 2:04 PM

To: Dr Suprotim Ganguly <suprotim.ganguly@gita.org.in>

Cc: "VISHALVERMA ." <vishalverma@dce.ac.in>, nalin.ks@meity.gov.in, Samrat Ghatak <Samrat.ghatak@gita.org.in>, Rahul Kulshreshtha <rahul.kulshreshtha@gita.org.in>, Leena.vardia@gita.org.in, Vimal Kumar <Vimal.kumar@gita.org.in>

**Kind Attn : Dr. Suprotim Ganguly**

**Dear Sir,**

**Thankyou very much for the good news !! , We appreciate your guidance and support for our application 2016UK0203024 under India-UK Collaborative Industrial R&D Programme .**

**Thanks to the entire team of GITA for providing an excellent hand holding and guidance in the entire process.**

**Thanking You  
For Durable Flanges Pvt. Ltd.**

Ashish Singhal  
Director  
+91-9899622295 , 9910062295

[Quoted text hidden]

No. BT/PR12530/MED/32/385/2015  
 GOVERNMENT OF INDIA  
 MINISTRY OF SCIENCE & TECHNOLOGY  
 DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)  
 CGO Complex, Lodhi Road,  
 New Delhi- 110 003  
 Date: 30-08-2016

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated Aug 26, 2016 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **1487600.00** (Rupees Fourteen Lakhs Eighty Seven Thousand Six Hundred Only) being the first year release for the project entitled "**Nanoenabled Biosensor for detection of Neisseria gonorrhoeae**", being implemented by

1. ✓ Dr. Jai Gopal Sharma, Department of Biotechnology, Delhi Technological University, New Delhi - 110042
2. Dr. Seema Sood, All India Institute of Medical Sciences, Department of Microbiology, New Delhi, - 110029

The detailed break-up is as given below:

SNo	Institute Name	Recurring					Total Release Amount (Rs)	
		Manpower	Consumable	Travel	Contingency	Others		Overhead
1	All India Institute of Medical Sciences, Delhi	187200.00	425000.00	20000.00	10000.00	0.00	57000.00	699200.00
2	Delhi Technological University	218400.00	450000.00	20000.00	25000.00	0.00	75000.00	788400.00

2. The amount of Rs. **1487600.00** /- (Rupees Fourteen Lakhs Eighty Seven Thousand Six Hundred Only) will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:
  1. Rs. **788400.00** /- (Rupees Seven Lakhs Eighty Eight Thousand Four Hundred Only) to The Principal, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi

Bank Name : SBI  
 Branch Name : Delhi College of Engineering  
 A/c No. : 31007875089  
 IFSC Code : SBIN0010446  
 MICR Code : 11002438

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2. Rs 699200.00/- (**Rupees Six Lakhs Ninety Nine Thousand Two Hundred Only**) to The Director, All India Institute of Medical Sciences, Delhi, Ansari Nagar, New Delhi - 110029, Delhi

Bank Name : SBI  
Branch Name : ANSARI NAGAR  
A/c No. : 10874584010  
IFSC Code : SBIN0001536  
MICR Code : 110002005

3. The expenditure involved is debitable to:

Demand No. 79	Department of Biotechnology
3425	Other Scientific Research 2016-2017
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants-in-aid General

4. The Principal, Delhi Technological University, New Delhi, Delhi and The Director, All India Institute of Medical Sciences, Delhi, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate to ten percent per annum thereon shall be recovered.  
The other terms and conditions governing the financial sanction will remain unaltered.
8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2199/2016-2017** dated **August, 26 2016**.
9. This sanction order has been noted at serial no. 40 in the Register of Grants.

(Dr. Kakali Dey Dasgupta)  
Scientist 'D'



To,

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 Prof. Bansi Dhar Malhotra(Project Co-ordinator), Department of Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road , Delhi
- 3 The Director, All India Institute of Medical Sciences, Delhi, Ansari Nagar, New Delhi - 110029, Delhi
- 4 The Principal, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi
- 5 Dr. Jai Gopal Sharma, Associate Professor, Biotechnology, Delhi Technological University, Department of Biotechnology, Delhi Technological University, New Delhi, - 110042, Delhi
- 6 Dr. Seema Sood, Additional Professor, Microbiology, All India Institute of Medical Sciences, Delhi, Department of Microbiology, AIIMS, New Delhi, - 110029, Delhi
- 7 Cash Section, DBT (2 copies).
- 8 Sanction Folder.
- 9 File Copy.

  
(Dr. Kakali Dey Dasgupta)  
Scientist 'D'

Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. All India Institute of Medical Sciences, Delhi	1199200	674200	710400	2583800
2. Delhi Technological University	788400	813400	750600	2352400
<b>Total (Rs.)</b>	<b>1987600</b>	<b>1487600</b>	<b>1461000</b>	<b>4936200</b>

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
<b>1. All India Institute of Medical Sciences, Delhi</b>				
Equipment	500000.00			500000.00
Manpower	187200.00	187200.00	218400.00	592800.00
Overhead	57000.00	32000.00	32000.00	121000.00
Travel	20000.00	20000.00	20000.00	60000.00
Consumables	425000.00	425000.00	425000.00	1275000.00
Contingency	10000.00	10000.00	15000.00	35000.00
<b>Total (Rs.)</b>	<b>1199200.00</b>	<b>674200.00</b>	<b>710400.00</b>	<b>2583800.00</b>
<b>2. Delhi Technological University</b>				
Manpower	218400.00	218400.00	218400.00	655200.00
Overhead	75000.00	75000.00	75000.00	225000.00
Travel	20000.00	20000.00	20000.00	60000.00
Consumables	450000.00	450000.00	412200.00	1312200.00
Contingency	25000.00	50000.00	25000.00	100000.00
<b>Total (Rs.)</b>	<b>788400.00</b>	<b>813400.00</b>	<b>750600.00</b>	<b>2352400.00</b>

### 2.6 Equipment:

The details of the equipment sanctioned for the implementation of the project at **Annexure-I**

### 2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at **Annexure-II**

### 3. Head of Account:

The **Non-Recurring** expenditure involved is debitable to:

No. BT/PR12530/MED/32/385/2015

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)  
CGO Complex, Lodhi Road,  
New Delhi- 110 003

Date: 25.09.2018

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated Aug 30, 2016 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **507912.00** (Rupees Five Lakhs Seven Thousand Nine Hundred and Twelve Only) being the second year release for the project entitled "**Nanoenabled Biosensor for detection of Neisseria gonorrhoeae**", being implemented by

Dr. Jai Gopal Sharma, Department of Biotechnology, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi-110042,

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Delhi Technological University	218400.00	216512.00	0.00	25000.00	0.00	48000.00	507912.00

Rs. 26670/- interest earned has been re-appropriated into Overhead.

2. The amount of Rs. **507912.00** /- (Rupees Five Lakhs Seven Thousand Nine Hundred and Twelve Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

The Principal, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, New Delhi - 110042, Delhi

Bank Name : SBI  
Branch Name : Delhi College of Engineering  
A/c No. : 31007875089  
IFSC Code : SBIN0010446  
MICR Code : 110002438


3. The expenditure involved is debit to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2018-2019
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants-in-Aid General

Generated through eProMIS

The Principal, Delhi Technological University, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the Institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.
8. Competent authority has also allowed to carry forward of Rs. 2.87026 lakhs balance to current FY 2018-19. The other terms and conditions governing the financial sanction will remain unaltered.
9. The utilization certificate for the financial year 2017-18 is enclosed herewith.
10. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2603/2018-2019** dated **September, 25 2018**.
11. This sanction order has been noted at serial no. 16 in the Register of Grants.

  
(Dr. Nitin Kumar Jain  
Scientist 'E

To,

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 Prof. Bansi Dhar Malhotra (Project Co-ordinator), Department of Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi
- 3 The Principal, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi
- 4 Dr. Jai Gopal Sharma, Department of Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi-110042,
- 5 Cash Section, DBT (2 copies).
- 6 Sanction Folder.
- 7 File Copy.

  
(Dr. Nitin Kumar Jain,  
Scientist 'E



# UGC-DAE Consortium for Scientific Research

विश्वविद्यालय अनुदान आयोग – परमाणु ऊर्जा विभाग वैज्ञानिक अनुसंधान संकुल

(An autonomous institution of UGC, New Delhi)

(विश्वविद्यालय अनुदान आयोग, नई दिल्ली द्वारा स्थापित स्वशासी संस्थान)

(Formerly : Inter University Consortium for DAE Facilities; IUC-DAEF)

Indore Centre  
इन्दौर केन्द्र

Dr. V. Ganesan

Centre-Director

Ref: CSR-IC-BL-78/CRS-195/2016-17/ 859

28-October 2016

Dr. Pawan Tyagi  
Assistant Professor,  
Delhi Technological University,  
Shahbad, Daulatpur, Bawana Road, Delhi  
pawantiyagi@dce.edu 110042

Sub:- Your proposal entitled "Study of the chemical structure and bonding in CuO nanowire by using Synchrotron radiation".

Dear Dr. Pawan Tyagi,

We would like to thank you for visiting CSR, Indore for presenting your CRS proposal on April 27-28, 2016. Subsequently the proposals were discussed at length by a Committee. Your above proposal has been approved:

The financial allocation for this year will be:	
**Project Fellow (@ Rs.14,000/- pm) + HRA	Rs. 1,68,000/- + HRA
Contingency	Rs.15,000/-
Consumables	Rs.30,000/-

No overheads are available under this scheme.

\*\* If the selected student has M.Sc., with GATE/NET-JRF, then Project Associate-I may be given (@ Rs.25,000/- pm)+ HRA for which additional prior approval has to be taken from the Centre-Director, Indore Centre.

1. This project is sanctioned presently for one year but it may be extended on year basis subject to a total period of three years.
2. The project is assigned to beamline No. BL-9, BL-16 of Indus-2 and Dr. S.N. Jha and Dr. M.K. Tiwari will coordinate the activities of the project.
3. Selection of research student in the project will be done as per the guidelines enclosed. **The PI may contact Centre-Director of Indore Centre for approving the CSR Nominee for the selection of the candidate.**
4. Ph.D. student appointed under the project should spent at least 3 months in a year in working on the specified beam line at Indus Synchrotron Source. However, he/she may be encouraged to use other beamlines if needed for the work. The PI should ensure the filling up of the beam time request form well in advance for the utilization of beamline in consultation with the beamline in-charge.
5. The major portion of the emerging thesis of respective Ph.D. student should be centered around and contain the results from Indus Synchrotron source utilization.
6. This is a Collaborative Research Scheme. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the participating institutions / persons, and in consultation with the CRS coordinator. The publication should also acknowledge the UGC-DAE CSR, Indore for the project support.

.....Contd..... 2

विश्वविद्यालय परिसर, खण्डवा रोड, इन्दौर-452 001 (म.प्र.)

University Campus, Khandwa Road, INDORE - 452 001 (M.P.) INDIA

Phone : +91-731-2472200, 2908150 - Direct, PBX- 2463913,2762267, 2472201 Exnt : 192, 311

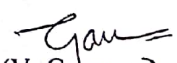
Fax : +91-731- 2465437 ; e-mail : vganesan@csr.res.in; cd.indore@csr.res.in

www.csr.res.in

7. The project will be reviewed at the end of each year and a decision will be taken on the financial allocation for the succeeding year.
8. Research Student may be engaged following the guidelines attached herewith. Fellowship may be sanctioned as per the guidelines given in the addendum (enclosed). The Research student must be registered for a Ph.D. from a recognized University in their respective disciplines in a reasonable period of time after joining the project.
9. The CSR will be able to reimburse the travel expenses to investigators as per rules, limited to 2<sup>nd</sup> AC train fare visiting CSR, Indore Centre on project work. However, the student participant is permitted for a sleeper class train fare by the shortest route and is as per prevailing norms of CSR.
10. At the end of the financial year (i.e., March 31) you will kindly send the (i) utilization certificate for the amount spent and (ii) a statement of account duly signed by the Registrar of your university to the Centre-Director, Indore Centre of UGC-DAE CSR. Funds for the succeeding year in view of the allocation can be released only after receiving the above documents.
11. The PI along with the beamline coordinator from Indus, RRCAT and the co-ordinator from CSR side are requested to make every effort to complete the project in time that may enable the research scholar working in the project to complete his/her Ph.D. degree well within the stipulated time limit.
12. Selection of research student in the project will be done as per the guidelines enclosed. A CSR nominee is needed for this.
13. You may please send the following information along with your acceptance for sending the grants:
  - a) Name of the Bank
  - b) Name of Beneficiary
  - c) RTGS Code of the Bank
  - d) A/c No. of Beneficiary
  - e) Branch of the Bank

Please let me have your acceptance of the CRS under the above conditions by 1<sup>st</sup> December, 2016 so that money can be transferred to the Registrar of your university. The funds will be transferred after receiving the grants from University Grants Commission, New Delhi.

Yours sincerely,

V.   
(V. Ganesan)

Copy to the following for information and necessary action:-

1. The Director, CSR, Indore.
2. The Administrative Officer-II, CSR, Indore.
3. The Administrative Officer-I (Accounts), UGC-DAE CSR, Indore Centre.
4. The Registrar, Delhi Technological University, Shahbad, Daulatpur, Bawana Road, Delhi .
5. The PS to Centre-Director, CSR, Indore Centre for project file.

Email : erip\_er@hqr.drdo.in  
Tele : 011- 23017661  
Fax : 011- 23017582



o/c

No. ERIP/ER/1503190/M/01/1640  
Directorate of Extramural Research &  
Intellectual Property Rights (ER&IPR)  
Defence Res & Dev Orgn (DRDO)  
DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Dated: 20 Dec 2016

Dr. Kapil Sharma  
Department of Computer Science & Engineering  
Delhi Technological University  
Shahbad Daultapur, Main Bawana Road  
Delhi- 110 042

37

Sub: Grants-in-Aid for research project titled "Classification and Analysis of Suspicious Codes based on their Static and Dynamic Features using Multiple Classifiers".

Approval of the competent authority (Chief Controller R&D) is hereby conveyed for a grant of Rs. 22.3518 Lakh (Rupees Twenty Two Lakhs Thirty Five Thousand One Hundred Eighty Only), to Delhi Technological University, for pursuing the research on the subject titled project by Dr. Kapil Sharma, Dept. of Computer Science & Engineering, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi- 110 042 as Principal Investigator.

2. The grant shall be spent as follows:

Expenditure on ↓ (Rs in lakh) during →	Year 1	Year 2	Year 3	Line Total
a) Staff: 01 JRF First two year @ Rs. 25,000/- pm + 30% HRA, Third Year SRF @ Rs. 28,000/- pm +30% HRA	3.90	3.90	4.368	12.168
b) Equipment (including spares thereof)	5.817	-	-	5.817
c) Operation and maintenance	0.10	0.20	0.20	0.50
d) Expendables	0.30	0.30	0.30	0.90
e) Travel (Domestic)	0.20	0.30	0.50	1.00
f) Contingencies	0.25	0.25	0.25	0.75
g) Visiting Faculty	-	-	-	-
h) Procured services (other than (g)) and metered utilities	-	-	-	-
i) Institutional Overheads @ 10% of (a) only	0.39	0.39	0.4368	1.2168
Column Totals	10.957	5.34	6.0548	22.3518

Grand total: Rs. 22.3518 Lakh (Rupees Twenty Two Lakhs Thirty Five Thousand One Hundred Eighty Only)

- The project will last for 03 years from the date of release of the first installment by the PCDA (R&D) and it will be governed by the terms and conditions given overleaf.
- The deliverables of the project are :-
  - A software tool with Graphical User Interface for Malware Analysis
  - Analysis of Malware type such as Virus and Trojans which are potential Threats to Smartphones Based on Androids.
- This sanction issues in exercise of powers conferred to Sl. No. 3.1 of GOI Ministry of Defence letter No. DRDO/DBFA/FA/83226/M/01/2031/D (R&D) dated 30<sup>th</sup> July 2010.
- The release of funds will be authorized by Accounts Officer of the Directorate of ER&IPR.
- The expenditure is debitible to Major Head 2080 - Defence Services - Research & Development, Minor Head 004 - Research/Research & Development, Sub-Head (C)- Extramural Research (EMR) Code Head 852/06.
- This is issued with the concurrence of IFA vide their U.O. No. IFA/R&D/New Delhi/1183/0987 dt 8.12.2016
- The sanction code is CC/TM/ERIPR/GIA/16-17/0290/025
- Separate saving bank account to be maintained for the project.

(Dr. Anil Kumar Aggarwal)  
Director

Copy to:-

- The Registrar, Delhi Technological University, Delhi- 110042. The cheque will be issued by PCDA in his favour.
- The Director, SAG, DRDO, Metcalf House Complex, Delhi- 110054.
- Dr. Gurjit Singh Walia, Sc 'E', SAG, DRDO, Metcalf House Complex, Delhi- 110054- as Domain Expert.
- Mr. Sanchit Gupta, Sc 'D', SAG, DRDO, Metcalf House Complex, Delhi- 110054- as Domain Expert.
- PCDA (R&D, DRDO CELL), West Block -V, Sector 1, R.K. Puram, New Delhi - 110 066 - one ink signed copy.
- IFA (R&D), DRDO, HQrs, Rajaji Marg, New Delhi - 110 105 - One ink signed copy.
- DGADS, L-2 Block, New Delhi - 110 001.



अंतर-विश्वविद्यालयी त्वरक केंद्र  
INTER-UNIVERSITY ACCELERATOR CENTRE  
(Formerly Nuclear Science Centre)  
(विश्वविद्यालयी अनुसंधान समिति के अधीन में कार्य करता है)  
(An Autonomous Centre of UGC)

Dr. Sundeep Chopra  
Convenor - AUC

Ref: IUAC/XIII.3A/

6

January 12, 2017

Dr. Pawan Kumar Tyagi  
Asst. Professor,  
Dept. of Applied Physics,  
Delhi Technological University  
(Formerly Delhi College of  
Engineering), Shahabad, Daulatpur,  
Bawana Road, Delhi-110042

**Subject: Your Application for Beam Time Allotment**

Dear Dr. Tyagi,

This is in response to your proposal for beam time/funds request and subsequent presentation made before the Accelerator Users Committee(AUC) of Inter University Accelerator Centre on December 16-18, 2016. I am pleased to inform you that your request has been considered and following beam time/funds has been allotted to you as specified below:


BTR No. & Activity	PI Name Affiliation	Title	No. of Shifts Sanctioned	Comments From AUC
61306 MS	Dr. Pawan Kumar Tyagi Asst. Professor, Dept. of Applied Physics, Delhi Technological University (Formerly Delhi College of Engineering), Shahabad, Daulatpur, Bawana Road, Delhi-110042	Ion irradiation on filled- multiwalled carbon nanotubes to create N-V Center.	3	UFR Funds sanctioned with Standard Funding

The contingency amount will be sent to you soon. Regarding the appointment of JRF/Project Fellow, you are requested to contact the undersigned since as per the directives of AUC, a nominee will be deputed by IUAC as part of your selection committee. The information regarding the selection committee meeting should be sent to the undersigned at least two weeks in advance for the nomination of IUAC representative.

You are requested to kindly submit progress report of the project twice a year (April & October). Kindly acknowledge the receipt of this letter and inform us suitable period regarding scheduling of your experiment. In case you need further information, you are requested to contact the undersigned.

Thanking you,

Yours Sincerely,

  
(Sundeep Chopra)

E-mail: [choprasundeep@gmail.com](mailto:choprasundeep@gmail.com)

पोस्ट बॉक्स: 10502 अरुणा आसफ अली मार्ग,  
Post Box No. 10502, Aruna Asaf Ali Marg,  
नई दिल्ली - 110 067 (भारत)  
New Delhi- 110 067 (India)

दूरभाष : /Telephone : 011-2 6893950  
011-2 6892601  
तार : /Telegram : NURCEN  
फैक्स : /Fax : 011-2 6893666  
वेबसाइट : /Website : [www.iuac.res.in](http://www.iuac.res.in)



अंतर-विश्वविद्यालयी त्वरक केंद्र  
INTER-UNIVERSITY ACCELERATOR CENTRE

(Formerly Delhi College of Engineering)  
(विश्वविद्यालय अर्जुन आसफ अली मार्ग, नई दिल्ली)  
(An Autonomous Centre of UGC)

IUAC

February 9, 2017

Ref: IUAC/XIII.7/UFR- 61306

Dr. Pawan Kumar Tyagi  
Asst. Professor, Dept. of Applied Physics,  
Delhi Technological University  
(Formerly Delhi College of Engineering), Shahabad,  
Daulatpur, Bawana Road, Delhi-110042

Sub: Financial sanction for the financial year 2016-2017  
Ref: Project Code No. UFR- 61306 sanctioned in favour of Dr. Pawan Kumar Tyagi, Asst. Professor, Dept. of Applied Physics, Delhi Technological University (Formerly Delhi College of Engineering), Shahabad, Delhi.

Dear Sir,

We are pleased to inform you that your project entitled "Ion irradiation on filled- multiwalled carbon nanotubes to create N-V Center" under the UFUP scheme of this Centre has been sanctioned with the following financial approval for a period of three years.

Year	Fellowship	Contingency	Consumables	Equipment
✓ First	JRF	25,000/-		Nil
Second	JRF	25,000/-		Nil
Third	JRF	25,000/-		Nil

Your project code no. UFR- 61306 and the same should be quoted in all future correspondences.

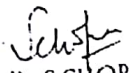
The contingency will be inclusive of all consumables. The grant for the first year contingency will be released now. Fellowship grant will be released only after a Project Fellow/JRF is appointed by the University/Institution and the related documents along with the joining report is sent to this office.

Normal UGC guidelines will apply in all circumstances. Travel money would not be released for you but as per AUC decision, you may come to IUAC for experiments, data analysis and research discussions as required and approved by Centre. IUAC will pay your TA (by train) and the local hospitality as per rule.

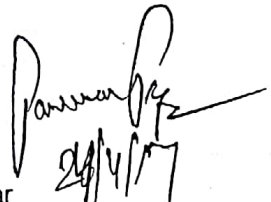
Annual progress report and provisional utilization certificate duly signed by a competent authority of the university in the standard UGC format must be submitted at the completion of each financial year for enabling us to release the funds for the next financial year. As soon as annual accounts of the university are audited, the final audited utilization certificate should be sent to IUAC and the draft for the unspent grant should be sent in favour of "Inter University Accelerator Centre" payable at New Delhi.

Thanking you,

Yours sincerely,

  
(Dr. S. Ch. OPRA)  
Convener - AUC

CC:

  
The Registrar  
Delhi Technological University  
(Formerly Delhi College of Engineering), Shahabad,  
Daulatpur, Bawana Road, Delhi-110042

पोस्ट बॉक्स: 10502 अरुणा आसफ अली मार्ग,  
Post Box No. 10502, Aruna Asaf Ali Marg,  
नई दिल्ली - 110 067 (भारत)  
New Delhi- 110 067 (India)

दूरभाष : / Telephone : 011-2689395  
011-2689260  
नूर : / Telegram : NURCE  
फैक्स : / Fax : 011-2689366  
वेबसाइट : / Website : www.iuac.res.

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FILE NO. EMR/2016/001110  
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: 24-Mar-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Photo-induced Charge Transfer dynamics of Quantum Dots/Molecules under the Influence of External perturbation" under the guidance of Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini, Delhi, Delhi-110075 - 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. 6217134/- (Rs. Sixty Two Lakh Seventeen Thousand One Hundred and Thirty Four Only) with break-up of Rs. 3685140/- under Capital (Non-recurring) head and Rs. 2531994/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 6217134/- has been approved are given below:  
The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini

S. No	Head	Total (in Rs.)
A	Non-recurring	
I	Equipment -> Spectrofluorometer, Lock-in & Pre amplifiers, Fun. Gen., Leptop	3685140
A'	Total (Non-Recurring)	3685140
B	Recurring Items	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1966800
2	Recurring - B : (Overhead Charges)	565194
B'	Total (Recurring)	2531994
C	Total cost of the project (A' + B')	6217134

- Sanction of the SERB is also accorded to the payment of
  - Rs. 3685140/- (Rupees Thirty Six Lakh Eighty Five Thousand One Hundred and Forty only) under 'Grants for creation of capital assets' and Rs. 843998/- (Rupees Eight Lakh Forty Three Thousand Nine Hundred and Ninety Eight only) under 'Grants-in-aid General' to Vice Chancellor/Registrar, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini being the first installment of the grant for the year 2016-2017 for implementation of the said research project.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)  
This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini with the approval of the competent authority under delegated powers on 23 March, 2017 and vide Diary No. SERB/F/9903/2016-17 dated 24 March, 2017
- 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)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 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 release amount of Rs. 4529138/- (Rupees Forty Five Lakh Twenty Nine Thousand One Hundred and Thirty Eight only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Registrar, DTU, Sponsored Project A/C
Account Number	31007875089
Bank Name & Branch	State Bank of India DCE Campus Bawana Road Shahbad Daulatpur Delhi 110042
IFSC/RTGS Code	SBIN0010446

Email id of A/C Holder	registrardtu@dce.ac.in
Email id of PI	msmehata@gmail.com

11. 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.

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. EMR/2016/001110 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 liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

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 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 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.

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)

MS  
nilotpal@serb.gov.in

To,  
Finance & Budget Officer  
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Mohan Singh Mehata Department of Applied Physics Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini, Delhi, Delhi-110075 Email: msmehata@gmail.com Mobile: 919953142553 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	Vice Chancellor/Registrar, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini  (Receipt of Grant may be intimated by name to the undersigned)

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)

MS  
nilotpal@serb.gov.in

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF SCIENCE & TECHNOLOGY

Technology Bhawan  
New Mehrauli Road  
New Delhi-110016  
09-06-2017

**SANCTION ORDER**

Subject: Release of INSPIRE Faculty Award amount as well as Research Grant for Bharti Singh [DST/INSPIRE/04/2016/000214] for implementation of INSPIRE Faculty Award at Delhi Technological University, New Delhi, DELHI-110042.

Upon selection for awarding INSPIRE Faculty Award and its subsequent finalization and acceptance of the Host Institution for implementation of this Award for five years at Delhi Technological University, New Delhi, DELHI-110042, President is hereby pleased to accord sanction of Rs.700000/- (Rupees seven hundred thousand only) in Financial Year 2016-17 for implementation of this Award at the aforesaid Host Institute under the AORC component of the INSPIRE Program of the Department of Science & Technology, New Delhi.

INSPIRE Code	Name	Award Amount	Research Grant	Arrears	Carry Forward	Host Institute
DST/INSPIRE/04/2016/000214	Bharti Singh	Rs.0/-	Rs. 700000/-	Rs./-	Rs./-	Delhi Technological University, New Delhi, DELHI-110042

The amount i.e. Rs. 700000/- will be drawn by Drawing and Disbursing Officer of the Department of Science and Technology and will be disbursed to the account of Host Institute for their selected INSPIRE Faculty awardees as given above under INSPIRE Faculty program through online PFMS system (<https://pfms.nic.in>) to the Director/ Registrar/ Principal/ Comptroller, Delhi Technological University, New Delhi, DELHI-110042 in its Accounts with the following details (Bank : STATE BANK OF INDIA , A/c No. : 31007885768, IFSC Code : SBIN0010446) for the award amount and research grant as above. The implementation of Award by the Host Institute shall be governed as per Rule 211 GFRs, the accounts of the Grantee Institute will be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so, as well as under the broad frame work of the Faculty Award "Undertaking".

The Host University/Institute shall submit the year-wise Utilization Certificate and Statement of Expenditure for considering any future release on this.

This sanction issues with the concurrence of Integrated Finance Division of Department of Science and Technology vide their IFD Dy No. JS&FA/767 dated 06/06/2017.

With Kind Regards,

A. Mukhopadhyay  
Scientist "G"

To,

1. Dr. Bharti Singh  
Department of Memristive device Graphene and transitional metal dichalcogenides for flexible device application  
Delhi Technological University  
New Delhi, DELHI-110042

2. Director/Registrar/Principal/Comptroller  
Delhi Technological University  
New Delhi, DELHI-110042

**GENERAL INSTRUCTIONS**

- SE (Statement of Expenditure) and UC (Utilization Certificate) being submitted shall be properly signed and stamped by the competent authorities. Otherwise if will be considered as 'incomplete' and rejected.
- UC shall be also required to upload by the University/Institute/College to the PFMS portal (<https://pfms.nic.in>) apart from its uploading at INSPIRE online portal ([online-inspire.gov.in](https://online-inspire.gov.in)) by the INSPIRE Faculty.
- University/Institute/College can track amount release status of INSPIRE Faculty by login into PFMS System (<https://pfms.nic.in>) under Alliance and R & D Mission Scheme (1596)

THIS IS A COMPUTER GENERATED DOCUMENT AND IT DOES NOT REQUIRE A SIGNATURE

V  
42-43  
SF

Admin

42

No. BT/PR5402/BID/7/408/2012  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 6/7/2017

**ORDER**

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS**" for a period of 3 Year 0 Month at a total cost of Rs. **4407700** (Rupees Fourty Four Lakhs Seven Thousand Seven Hundred Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title : GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS**

**2.2 Details of the Investigators:**

**Dr. Yasha Hasija**  
Assistant Professor  
Biotechnology  
Delhi Technological University,  
Shahbad Daulatpur, Main Bawana  
Road, East Delhi, Delhi, 110042

**2.3 Objectives:**

1. Comprehensive curation of the genodermatoses to recognize their impact
2. Association of disorders to causative genetic polymorphisms along with the more subjective approach based on ethnicity to reveal familial patterns
3. Annotation and curation of variants
4. Creation of database for display of information in a structured format
5. Further analysis to understand the nature and etiology of these diseases
6. Thus identify high risk individuals, predict novel causative agents and aid disease prognosis



#### 2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

#### 2.5 Project Cost:

The total cost of the project is Rs. **4407700/-** (Rupees Fourty Four Lakhs Seven Thousand Seven Hundred Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total(Rs.)
Equipment	1087000.00			<b>1087000.00</b>
Manpower	780000.00	780000.00	873600.00	<b>2433600.00</b>
Overhead	120500.00	101300.00	101300.00	<b>323100.00</b>
Travel	10000.00	150000.00	150000.00	<b>310000.00</b>
Consumables	68000.00	63000.00	63000.00	<b>194000.00</b>
Contingency	20000.00	20000.00	20000.00	<b>60000.00</b>
<b>Total (Rs.)</b>	<b>2085500.00</b>	<b>1114300.00</b>	<b>1207900.00</b>	<b>4407700.00</b>

#### 2.6 Equipment

The details of the equipment sanctioned for the implementation of the project at **Annexure-I**

#### 2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at **Annexure-II**

#### 3. Head of Account:

The **Non-Recurring** expenditure involved is debitable to:

<b>Demand No. 85</b>	<b>Department of Biotechnology</b>
<b>3425</b>	Other Scientific Research 2017-2018
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.35</b>	Grants for creation of capital assets



The Recurring expenditure involved is debitable to:

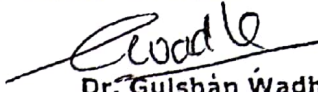
Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2017-2018
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants-in-aid General

**I. Terms & Conditions:**

- A. The Non Recurring item must be procured and installed within six month period from the date of sanction.
- B. In case the whole or a part of the amount of the Grants for Creation of Capital Assets is being refunded, an interest rate of ten percent thereon shall be recovered.
1. The other terms and conditions governing this sanction are attached at Annexure- III.
2. A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory first release. A format of the MoA is enclosed in Annexure-IV
3. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the Institute/Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Accounts.
- i. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
- ii. The Registrar, Delhi Technological University, New Delhi, Delhi would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.
4. PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-09/2012 dated 21 Oct 2014. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No.959 dated 07.06.2017.




10. This sanction order has been noted at serial no. 42-43 in the Register of Grants.

  
Dr. Gulshan Wadhwa  
(Joint Director/Scientist 'E')

To,  
The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Registrar, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi
- 3 Dr. Yasha Hasija, Assistant Professor, Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, East Delhi - 110042, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.

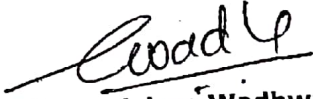
  
Dr. Gulshan Wadhwa  
(Joint Director/Scientist 'E')

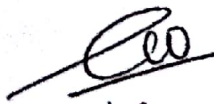


Annexure -I

Details of the Equipment sanctioned for the implementation of the project titled "GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS":

Delhi Technological University			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Workstations (6) HP Z800 HP Color LaserJet Printer (1) Split Air Conditioning Facility (1.5 Ton) Lab Furniture (Computer Tables & Chairs) UPS (6) HP Laptops (2)	1	1087000.00
Total			1087000.00

  
Dr. Gulshan Wadhwa  
(Joint Director/Scientist 'E')



## Annexure -II

Details of the manpower sanctioned for the implementation of the project titled "GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
Junior Research Fellow 2 JRF @25,000/month +30% HRA	2	780000.00	780000.00		1560000.00
Senior Research Fellow 2 SRF @28,000/month +30% HRA	2			873600.00	873600.00
<b>Total(Rs.)</b>		<b>780000.00</b>	<b>780000.00</b>	<b>873600.00</b>	<b>2433600.00</b>

Emoluments detail of research personal(s) mentioned in table(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No.SR/S9/Z-09/2012 dated 21.10.2014.

*Gulshaf Wadhwa*  
**Dr. Gulshaf Wadhwa**  
 (Joint Director/Scientist 'E')

Non-Recurring  
①

No. BT/PR5402/BID/7/408/2012  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Date:.. 6/7/2017

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated 6/7/2017 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **1087000.00** (Rupees Ten Lakhs Eighty Seven Thousand Only) being the first year release for the project entitled "**GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS**", being implemented by:

Dr. Yasha Hasija, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, East Delhi - 110042, Delhi

The detailed break-up is as given below:

Sl. No.	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	Delhi Technological University New Delhi	1087000.00	0.00	1087000.00

2. The amount of Rs. **1087000.00** /-(Rupees Ten Lakhs Eighty Seven Thousand Only) will be directly credited by PAO in the account as detailed below:

The Registrar, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi

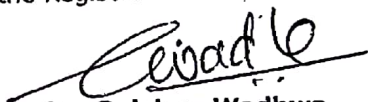
Bank Name : State Bank of India  
Branch Name : SBI DCE Campus  
A/c No. : 31007875089  
IFSC Code : SBIN0010446  
MICR Code : 110002438

3. The expenditure involved is debit to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2017-2018
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

AO

4. The Registrar, Delhi Technological University, New Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. Institute/ Agency will keep the whole of the grant in a Bank Account earning interest and the interest so earned be reported to DBT in the Utilization Certificate and Statement of Expenditure. The interest so earned will be treated as created to the institute/Agency and shall be adjusted toward further installment of the grant and or at the time of final Settlement of Accounts.
6. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
7. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
8. A. The Non Recurring item must be procured and installed within six month period from the date of sanction.  
B. In case the whole or a part of the amount of the Grants for Creation of Capital Assets is being refunded, an interest rate of ten percent thereon shall be recovered.  
The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **961** dated **07.06.2017**.
10. This sanction order has been noted at serial no. 42 in the Register of Grants.


  
**Dr. Gulshan Wadhwa**  
(Joint Director/Scientist 'E')

**To,**

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 The Registrar, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi
- 3 Dr. Yasha Hasija, Assistant Professor, Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, East Delhi - 110042, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.

  
**Dr. Gulshan Wadhwa**  
(Joint Director/Scientist 'E')

Recurring  
(2)

No. BT/PR5402/BID/7/408/2012  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(BIOINFORMATICS DIVISION)

Block- 2, 7th floors,  
CGO Complex, Lodhi Road,  
New Delhi -110 003.  
Date: 6/7/2017

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated 6/7/2017 sanction of the President is hereby accorded, under Rule18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **998500.00** (Rupees Nine Lakhs Ninety Eight Thousand Five Hundred Only) being the first year release for the project entitled "**GENETIC ANALYSIS OF DERMATOLOGICAL DISORDERS**", being implemented by:

Dr. Yasha Hasija, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, East Delhi - 110042, Delhi

The detailed break-up is as given below:

SN	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Delhi Technological University New Delhi	780000.00	68000.00	10000.00	20000.00	0.00	120500.00	998500.00

2. The amount of Rs. **998500.00** /-(Rupees Nine Lakhs Ninety Eight Thousand Five Hundred Only) will be directly credited by PAO in the account as detailed below:

The Registrar, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi


Bank Name : State Bank of India  
Branch Name : SBI DCE Campus  
A/c No. : 31007875089  
IFSC Code : SBIN0010446  
MICR Code : 110002438

3. The expenditure involved is debitale to:

<b>Demand No. 85</b>	<b>Department of Biotechnology</b>
<b>3425</b>	Other Scientific Research 2017-2018
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.31</b>	Grants-in-aid General

*[Handwritten Signature]*

- (16)
4. The Registrar, Delhi Technological University, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. Institute/ Agency will keep the whole of the grant in a Bank Account earning interest and the interest so earned be reported to DBT in the Utilization Certificate and Statement of Expenditure. The interest so earned will be treated as created to the institute/Agency and shall be adjusted toward further installment of the grant and or at the time of final Settlement of Accounts.
6. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and Internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
7. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
8. A. The Non Recurring item must be procured and installed within six month period from the date of sanction.  
B. In case the whole or a part of the amount of the Grants for Creation of Capital Assets is being refunded, an interest rate of ten percent thereon shall be recovered.  
The other terms and conditions governing the financial sanction will remain unaltered.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **960** dated **07.06.2017**.
10. This sanction order has been noted at serial no. 43 in the Register of Grants.


  
**Dr. Gulshan Wadhwa**  
(Joint Director/Scientist 'E')

**To,**

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110 003.

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 The Registrar, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi
- 3 Dr. Yasha Hasija, Assistant Professor, Biotechnology, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, East Delhi - 110042, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.

  
**Dr. Gulshan Wadhwa**  
(Joint Director/Scientist 'E')

u2/c

25

## ORDER

DST/Disha/SoRF-PM/032/2013/G

Government of India

Department of Science and Technology

Technology Bhavan, New Mehrauli Road

New Delhi-110016

Date: 07.09.15

Subject: - Financial assistance for the project entitled "An assessment and impact of urbanization in south delhi on environmental quality and disaster management using remote sensing and GIS" under the guidance of Ms. Mahima Singh Chandel, Delhi Technical University, Delhi.

1. Sanction of the President is conveyed to the above mentioned project at a total cost not exceeding Rs. 10,93,000/- (Rupees ten lakhs ninety three thousand only) for two years. The items of expenditure for which total allocation Rs. 10,93,000/- has been approved are given below:

Particulars	Ist year	IInd year	Total
Fellowship @ Rs.30,000/-	3,60,000	3,60,000	7,20,000
Travel	30,000	30,000	60,000
Consumables	1,00,000	25,000	1,25,000
Overhead charges @10%	49,000	41,500	90,500
Contingency	15,000	15,000	30,000
Subtotal	5,54,000	4,71,500	10,25,500
<b>Equipments</b>			
Desktop with Printer	50,000		50,000
GPS	17,500	--	17,500
Total	6,21,500	4,71,500	10,93,000

Grand Total = Rs. 10,93,000/- (Rupees ten lakhs ninety three thousand only)

2. Sanction of the president is also accorded to the release of a sum Rs. 5,50,000/- (Rupees five lakhs fifty thousand only) under "grants for general" to "The Registrar, Delhi Technical University" Delhi being the first installment of grant for implementation of the above mentioned project during 2015-16.

3. The expenditure involved is debitable to Demand No.86:-

41/c

Demand No. 86 Department of Science and Technology

3425 Other Scientific Research

60 Others

60.200 Assistance to Other Scientific Bodies (Minor Head)

55 Disha Programme for Women in Science

55.01 Disha Programme for Women in Science (Detailed Head)

55.01.31 Grant in aid for the year 2015-16 (Object Head)

4. Since this is the first installment of grant, there is no question of getting utilization certificate. However, the institute will submit audited statement of expenditure and utilization certificate to DST after completion of each financial year. The institute will maintain separate account for the project and would keep whole of the grant in a bank account earning interest, then the interest earned should be reflected in audited statement of expenditure and reported to DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of grant.

5. The sanction of the grant is subject to the conditions as detailed in Annexure and also the provision of General Financial Rules, 2005.

6. The amount of Rs. 5,50,000/- (Rupees five lakhs fifty thousand only) under "grants for general" to will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to "The Registrar, Delhi Technical University" Delhi through their bank account as per following details:

Institute Name	Delhi Technical University
Account No.	31007875089
Bank Name	State Bank of India
Branch	DCE Campus, Shahbad
IFSC Code	SBIN0010446
MICR Code	110002438

7 The accounts of the grantee institution will be open to inspection by the sanctioning authority/Audit whenever the institute is called upon to do so.

8. As per Rule 212 (4) in Form of GRF, this sanction has been entered in the registrar maintained by the SEED Division for the Grant-in-aid sanctions and the serial number assigned in the register for this sanction is 276.

9. The grant sanction/released is for the specific project sanctioned and the portion of grant, which the grantee fails to utilize for the purpose for which the grant is sanction, will be recovered along with penal interest of 10% per annum.

10. In the event of grantee failing to comply with the conditions or committing breach of the conditions of the grant/bond, the authorized signatories to the conditions/bond and all the



30/C

FILE NO. YSS/2014/001012  
SCIENCE & ENGINEERING RESEARCH BOARD5 & 5A, Lower Ground Floor  
Vasant Square Mall  
Plot No. A, Community Centre  
Sector-B, Pocket-5, Vasant Kunj  
New Delhi-110070

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Dated: 16-Mar-2016

**ORDER**

Subject: Financial Sanction of the research project titled "Elucidating the Functional and Regulatory Aspects of Inositol Monophosphatase like Proteins (IMPL1 and IMPL2) from drought tolerant legume Chickpea (*Cicer arietinum*)" under the guidance of Dr. Saurabh Chandra Saxena, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini, DELHI-110075 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. 990000/- (Rs. Nine Lakh Ninety Thousand Only) with break-up of Rs. 80000/- under Capital (Non-recurring) head and Rs. 910000/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 990000/- has been approved are given below:

The following budget may be considered for Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Pipettes	80000
A'	Total (Non-Recurring)	80000
B	Recurring Items	
1	Recurring - A : (Consumables, Travel, Contingencies)	820000
2	Recurring - B : (Overhead Charges)	90000
B'	Total (Recurring)	910000
C	Total cost of the project (A' + B')	990000

2. Sanction of the SERB is also accorded to the payment of Rs. 80000/- (Rupees Eighty Thousand only) under 'Grants for creation of capital assets' and Rs. 320000/- (Rupees Three Lakh Twenty Thousand only) under 'Grants-in-aid General' to Vice Chancellor, Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini being the first installment of the grant for the year 2015-2016 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 Start Up Research Grant (Young Scientist). (Life Sciences)

4. The Sanction has been issued to Delhi Technological University, Bawana Auchandi Rd, Shahabad Daulatpur, Rohini with the approval of the competent authority under delegated powers on 12 March, 2016 and vide Diary No. SERB/F/8568/2015-16 dated 15 March, 2016

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.

29/c

7. 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.
8. 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.
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. 400000/- (Rupees Four Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	REGISTRAR, DTU
Account Number	31007875089
Bank Name & Branch	State Bank of India State Bank of India, DCE campus, Shahabad-Daulatpur, Bawana Road, Delhi- 110042
IFSC/RTGS Code	SBIN0010446
Email id of A/C Holder	atrivedi@dce.ac.in
Email id of PI	saurabhbiochem@gmail.com

11. 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.

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. YSS/2014/001012 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 liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

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.

(Dr. Pramod Kumar Prasad)  
Scientist C  
pk.prasad@serb.gov.in

To,  
Finance & Budget Officer  
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

Technology Bhavan,  
Saheed Jagjit Singh Marg,  
New Delhi-110016,  
Date:18.03.2016

**Sanction Order**

**Subject:** Financial support for the networked project on "Big Data Analytics-Hyperspectral Data (BDA-HSRS)" Regarding.

PI: Prof D Ramakrishnan, IITBombay, Mumbai (National Co-ordinator, BDA-HSRS), Co-PI: Dr Rabi Narayan Sahoo, IARI, New Delhi (National Co-ordinator, BDA-HSRS)

Sanction of the President is hereby accorded for "**Big Data Analytics - HSRS Data (BDA-HSRS)**", a cluster based multi-institutional networked project consisting of 37 R&D projects, 4 Region-wise Central Laboratory Facility, HSRS Group Trainings, Data Acquisition, Data Portal and Project Coordination Cell at a total cost of **Rs 2059.570 lakhs (Rupees Two Thousand Fifty Nine Lakh and Fifty Seven Thousands only)** to IITBombay, Mumbai for a duration of 3 years as per details given below:

S No.	PI, Affiliation & Project Title	Budget (Rs. in Lakhs)			
		1 <sup>st</sup> Yr	2 <sup>nd</sup> Yr	3 <sup>rd</sup> Yr	Total
1.	<b>PI: Prof D Ramakrishnan, IITBombay</b> "Development of Spectral library for mineral exploration and geological mapping & Establishment of Central instrumentation facility on Spectral Acquisition and Characterisation"	14.630	14.630	13.464	42.724
2.	<b>PI: Prof S Anbazhagan. Periyar University, Salem</b> "Hyperspectral Remote Sensing Study in Lithological Mapping of Alkaline complex terrain & Reflectance spectral study of Platinum Group of Elements"	11.990	11.165	11.290	34.445
3.	<b>PI: Dr K N Kusuma, Pondicherry University, Pondichery</b> "Methodology Development for Exploring Precious Metals (Gold) Using Imaging Spectroscopic Technique"	12.375	11.935	12.665	36.975
4.	<b>PI: Dr S Aravindan, Annamalai University, Chidambaram</b> "Methodology development for	11.660	11.110	11.431	34.201

**28. PI: Prof K C Tiwari Affiliation : Delhi Technological University, Delhi**  
**Project Title: Detection and Identification of Engineered Surfaces and Objects using Hyperspectral Data**  
**Theme : Material and Terrain**

S No	Budget Head	Budget in Rs Lakhs				Remarks/ Details
		1 <sup>st</sup> Yr	2 <sup>nd</sup> Yr	3 <sup>rd</sup> Yr	Total	
1	Project Staff (JRFs : 2 Nos)	7.800	7.800	8.740	24.340	
2	Equipment	0.000	0.000	0.000	0.000	
3	Travel	1.500	1.000	0.500	3.000	Meeting field survey of PI and two JRFs, participation in meetings, seminars/workshops etc
4	Consumables	0.250	0.250	0.500	1.000	Purchase of stationeries, data storage, postages, publication etc.
5	Contingencies	1.000	0.500	0.500	2.000	
6	Miscellaneous	0.500	0.500	0.500	1.500	POL, Labour hiring for field survey etc.
	<b>Sub-Total</b>	11.050	10.050	10.740	31.840	
7	<b>Over heads</b>	1.105	1.005	1.074	3.184	
8	<b>Grand Total</b>	12.155	11.055	11.814	35.024	

**Project Staff Salaries:** Rs.25,000 + HRA for 1 & 2nd yrs & 28,000 + HRA for 3<sup>rd</sup> yr as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

**Institutional Overheads:** 10 % of the total project cost for R&D projects, 10% or Rs 5.00 lakhs whichever is minimum for non-R&D projects

Prof. K.C. Tiwari

DRDO Project



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No. ERIP/ER/1403183/M/01/1598  
Directorate of Extramural Research &  
Intellectual Property Rights (ER&IPR)  
Defence Res & Dev Orgn (DRDO)  
DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Dated: 17 Dec 2015

To

Dr. Raminder Kaur  
Dept. of Polymer Science and Chemical Technology  
Science Block, Delhi Technological University  
Shahbad Daulatpur  
Main Bawana Road  
Delhi- 110042

Subj: Grants-in-Aid for research project titled "Development of Environment Friendly Rigid Polyurethane Foam for Multipurpose Use".

Approval of the competent authority (Chief Controller R&D) is hereby conveyed for a grant of Rs. 32.036 Lakh (Rupees Thirty Two Lakhs Three Thousand Six Hundred Only), to Delhi Technological University, for pursuing the research on the subject titled project by Dr. Raminder Kaur, Dept. of Polymer Science and Chemical Technology, Science Block, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, Delhi- 110042 as Principal Investigator and Dr. Ravinderjit Singh Walia, Associate Professor, Dept. of Mechanical Engg. of the same institute as Co-Investigator.

2. The grant shall be spent as follows:

Expenditure on ↓ (Rs in lakh) during →	Year 1	Year 2	Year 3	Line Total
a) Staff : 01-JRF @ Rs. 25,000/- pm for 1 <sup>st</sup> - 2 <sup>nd</sup> year 01 SIRF @ Rs. 28,000/- pm for 3 <sup>rd</sup> year	3.00	3.00	3.36	9.36
b) Equipment (including spares thereof)	16.14	-	-	16.14
c) Operation and maintenance	0.20	0.20	0.20	0.60
d) Expendables	1.00	1.00	0.50	2.50
e) Travel (Domestic)	0.20	0.30	0.50	1.00
f) Contingencies	0.50	0.50	0.50	1.50
g) Visiting Faculty	-	-	-	-
h) Procured services (other than (g)) and metered utilities	-	-	-	-
i) Institutional Overheads @ 10% of (a) only	0.30	0.30	0.336	0.936
Column Totals	21.34	5.30	5.396	32.036

Grand total: Rs. 32.036 Lakh (Rupees Thirty Two Lakhs Three Thousand Six Hundred Only).

- The project will last for 03 years from the date of release of the first installment by the PCDA (R&D) and it will be governed by the terms and conditions given overleaf.
- The objectives and deliverables of the project are placed at Annexure 'A'.
- This sanction issues in exercise of powers conferred to Sl. No. 3.1 of GOI - Ministry of Defence letter No. DRDO/DBFA/FA/83226/M/01/2031/D (R&D) dated 30<sup>th</sup> July 2010.
- The release of funds will be authorized by Accounts Officer of the Directorate of ER&IPR.
- The expenditure is debitible to Major Head 2080 - Defence Services - Research & Development, Minor Head 004 - Research/Research & Development, Sub-Head (C)- Extramural Research (EMR) Code Head 852/06.
- This is issued with the concurrence of IFA vide their U.O. No. IFA/R&D/New Delhi/1183/0947 date: 18.11.2015
- The sanction code is CC/TM/ERIPR/GIA/15-16/029

(Dr. D. Akhtar)  
Director

Copy to:-

- Registrar, Delhi Technical University, Delhi- 110042. The cheque will be issued by PCDA in his favour.
- The Director, DLJ, DRDO, Ratanada Palace, Jodhpur- 342011.
- Dr. Abhinandan Jain, Sc 'D' DLJ, DRDO, Ratanada Palace, Jodhpur- 342011- as Domain Expert.
- PCDA (R&D, DRDO CELL), West Block -V, Sector 1, R.K. Puram, New Delhi - 110 066 - one ink signed copy.
- IFA (R&D), DRDO, HQrs, Rajaji Marg, New Delhi - 110 105 - One ink signed copy.
- DGADS, L-2 Block, New Delhi - 110 001.

*Jindri*

*Raminder Kaur*



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GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
Department of Science & Technology  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016



Date: 14 November, 2015

Subject: INSPIRE Faculty Award - Offer letter[DST/INSPIRE/04/2015/000932]

Dear Dr. Chandra Mouli Pandey

Government of India has launched a unique scheme "Innovation in Science Pursuit for Inspired Research(INSPIRE)" with several components. INSPIRE Faculty Scheme is one such component of INSPIRE Programme which offers a contractual research award for carrying out independent research to young achievers. Guidelines of the INSPIRE Faculty scheme and award is available at the website: [www.inspire-dst.gov.in](http://www.inspire-dst.gov.in). Based on your application followed by the due selection process, I am pleased to inform you that you have been selected for **INSPIRE Faculty Award**.

A compensation matching cost equivalent to that of Assistant Professor of an IIT at the time of entry, along with Rs. 3500000 (@ Rs. 700000/year) of research grant shall be offered to each Awardee. The Faculty Award is tenable for a period of five years from the date of joining the Faculty position. However, each Awardee as well as the Host Institute will be required to sign an 'UNDERTAKING' for implementation of this Faculty Award.

Each awardee will be required to inform DST on acceptance of the Award within 3 months from the date of this offer. This includes finalization of the Host Institute for implementation of this Award and joining at the selected Host Institute. In case Awardee does not inform DST within 3 months, the Award offer shall automatically be forfeited. Please note that the Host Institution shall be other than the Institute/ University/ Laboratory where you have completed your PhD work/degree.

You are requested to take necessary action towards implementing this Award. Towards this the following documents are required to upload at portal ([www.online-inspire.gov.in](http://www.online-inspire.gov.in)), so that necessary funds can be released to Host Institute from our end:

1. Details of Bank Account of the Host Institute (not for individual Awardees)
2. Duly signed 'UNDERTAKING'
3. Year-Wise Budget for Research Grant @ Rs. 700000 / year for 5 years (year-wise without clubbing)
4. Joining Report (Duly authenticated)

Login-ID and Password used at the time of submission of application shall be used now as well for upload. Without submission of these documents through online, no action would be possible to take at this end.

This issue's with the approval of Secretary DST vide Dy.No.6633 dated 07/31/2015. We shall be looking for your responses in this respect.

With Best Regards,

Sunit Mirz  
INSPIRE Program  
Email: [sunit@nic.in](mailto:sunit@nic.in)  
Phone: 011-26590247  
Fax: 011-26602193

To,  
Dr. Chandra Mouli Pandey[DST/INSPIRE/04/2015/000932]  
Vill-Gaura, Post- Pipraich, Distt-Gorakhpur  
Gorakhpur - 273152  
UTTAR PRADESH .

This is computer generated document and does not require any signature. In case of any discrepancy please contact Program Division.

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH  
HUMAN RESOURCE DEVELOPMENT GROUP  
(POOL SECTION)

Library Avenue, Pusa,  
New Delhi-110012  
Date: - 14-03-2016

Dr. (Mrs.) Rashmi K Ambasta  
#27, Type-IV, DTU Staff Quarter,  
DTU,  
Delhi

Subject: Offer of Senior Research Associateship:

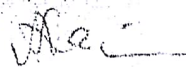
Dear Sir/Madam,

We are happy to inform you that you have been selected for Senior Research Associateship under the Scientist's Pool Scheme of Council of Scientific and Industrial Research, on the following terms and conditions:-

1. You are offered a basic pay of Rs. 21,000 /- (Rupees Twenty One Thousand Only) per month plus usual allowances, excluding transport allowance as admissible under the CSIR rules for a period of three years only with no further extension, or till you obtain temporary or permanent employment in India, whichever is earlier. There is no provision for extension beyond three years.
2. Your continuation from year to year basis within the tenure as a Senior Research Associate will be granted on the basis of your performance as reflected through your work reports, sincere efforts made by you to secure a regular employment, and a good confidential report duly forwarded by the organization of your placement.
3. The SRA should strictly work on the Research Project approved by the Expert Committee; otherwise SRASHip is liable to be discontinued.
4. This offer is valid for three months only from the date of this letter, and will be treated as withdrawn if no acceptance is received during this period. However, on receipt of a formal acceptance of the offer from you, it may be kept open for one year only.
5. If you accept the offer, please sign the acceptance letter and return it to us along with the duly completed certificate of Oath of Allegiance/Unemployment [Form-1(a) & (b)] as available on the website "www.csirhrdg.res.in." Terms & Conditions of Appointment & Guidelines to the Institutions for SRA.
6. If you have secured a job and do not wish to join as a Senior Research Associate now, you are requested to kindly write to us about the post and the organization you have joined.
7. In case you accept the offer, you will have to work in a Government/Quasi-government organization in India. The responsibility of finding a suitable organization/institution for your placement rests on you. Please contact the Heads of such organization(s) where you would like to work, and send us attested photocopies of the consent letter agreeing for your placement as a Senior Research Associate in their department to expedite your placement.
8. Please note that you will not be entitled to any pensionary or service benefits for the period you will work as a Senior Research Associate.

- During your stay as a Senior Research Associate, you will be under the administrative control of the Head of the organization where you have been placed, for routine administrative matters including payment of monthly salary, contingent grant, tour within India, leave except extra-ordinary leave and leave on secondment for which approval of the CSIR is required. Other matters such as permission and sanction of leave to go abroad for any purpose/purposes, issue of relieving order for leaving the SRAship and grant of encashment of terminal leave will be under the control of the Council of Scientific and Industrial Research. For these purposes, you are required to kindly write to the Section Officer (Pool Section), HRD Group, CSIR Complex, Library Avenue, Pusa, New Delhi-110 012, at least a month in advance. Leave on secondment basis to go abroad is not permissible under the Scientists' Pool Scheme of SRAs.
10. You will draw your salary as a Senior Research Associate from the day you join your duty, subject to the notification by Council of Scientific & Industrial Research.
  11. A contingent grant of Rs.20,000/- per financial year will be provided to you on request. You may submit your request for the grant through the Head of the Department and the Head of the Organization/Institute where you are working as a Senior Research Associate. Guidelines for spending the grant are given in Annexure- 1 & 2 available on the our website "Terms & Conditions of Appointment & Guidelines to the Institutions".
  12. Since the Senior Research Associateship provides only temporary financial support, you will be free to apply for any post in India in order to secure temporary or permanent employment.
  13. Senior Research Associates are not allowed to pursue higher education leading to a degree, diploma or a certificate, or to undertake long term projects which are not expected to be completed during their tenure in SRAship. YOU ARE ALSO NEITHER ALLOWED TO TAKE UP ANY PRIVATE PRACTICE NOR ENTITLED TO ANY NON-PRACTICING ALLOWANCE IN LIEU THEREOF. VIOLATION OF THESE CONDITIONS WOULD LEAD TO TERMINATION OF SENIOR RESEARCH ASSOCIATESHIP.
  14. Educational/research institution, to which an associate is associated, may seek patent right at their own cost and/or commercial exploitation of the results of the investigation concerning the intellectual work of the associate and all rights would vest exclusively with the institution concerned. In case an institution, to which an associate is associated, is not in a position to seek patent rights and/or commercial exploitation of the results of the investigation concerning the intellectual work of the associate, CSIR at its own cost may seek the patent rights and/or commercial exploitation of the results of the intellectual work of the associate and all rights would vest exclusively with CSIR.
  15. You will be paid traveling allowance as per the CSIR rules only for tours sanctioned, prior approval for which should be obtained from the Head of the Department where you are placed as SRA, as per rules. No allowances will be admissible for the journeys undertaken to join the duty or on termination of your SRAship.
  16. The offer of Senior Research Associateship is subject to the recognition of your qualifications by the appropriate authority. If at any time, during your tenure, it is found that your qualifications are not recognized by the appropriate authority, your Senior Research Associateship will be terminated immediately.
  17. The offer of Senior Research Associateship can be terminated at any time without assigning any reason whatsoever.
  18. You will not visit any foreign country, while working as a Senior Research Associate, without obtaining prior approval from Council of Scientific and Industrial Research.
  19. You should obtain a formal relieving order from Council of Scientific and Industrial Research whenever you will leave the Senior Research Associateship.
  20. The guidelines governing the Senior Research Associateship may be downloaded from our website [www.csirhrdg.res.in](http://www.csirhrdg.res.in).

Yours Faithfully



SECTION OFFICER



BT/IN/Indo-UK/BBSRC-Aqua/35/RC/2015-16  
Ministry of Science & Technology  
Department of Biotechnology  
Government of India

Block 2, 8<sup>th</sup> Floor  
CGO Complex, Lodhi Road  
New Delhi 110 003

Dated: 26<sup>th</sup> April, 2016

**ORDER**

In continuation of this Department's sanction order of even number dated 28<sup>th</sup> March, 2016 Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Power Rules, 1978 for the release of Rs. 56.50 (Rupees Fifty Six lakhs and Fifty Thousand only) being the 1<sup>st</sup> year release towards the Recurring head for the Indian component of the joint project titled "Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients" with Indian investigators as per the break up given below:

**Recurring Head**

University of Delhi, Delhi:		(Rs. in lakhs)
S. No	Head	Year I
1.	Consumables	3.00
2.	Manpower	
2.1	JRF (1) (@ Rs. 25,000 + 30% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 30% HRA for 3 <sup>rd</sup> yr.)	3.90
2.2	STA @ 25,000/- consolidated	3.00
<b>Total Manpower</b>		<b>6.90</b>
3.	Travel	
3.1	Domestic	0.50
<b>Total Travel</b>		<b>0.50</b>
4.	Field/ operational expenses	0.50
5.	Contingency	1.00
6.	Overheads	1.00
<b>Total B (1+2+3+4+5+6)</b>		<b>12.90</b>

Goa University, Goa:		(Rs. in lakhs)
S. No	Head	Year I
1.	Consumables	3.00
2.	Manpower	
2.1	JRF (2) (@ Rs. 25,000 + 20% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 20% HRA for 3 <sup>rd</sup> yr.)	7.20
<b>Total Manpower</b>		<b>7.20</b>
3.	Travel	
3.1	Domestic	0.50
3.2	International	2.00
3.3	Local hospitality	0.50
3.4	Review meeting and seminar	4.00
<b>Total Travel</b>		<b>7.00</b>
4.	Field/ operational expenses	1.00
5.	Contingency	1.00
6.	Overheads	2.00
<b>Total B (1+2+3+4+5+6)</b>		<b>21.20</b>

Contd. 2/-

**Kerala University of Fisheries and Ocean Studies, Kochi: (Rs. in lakhs)**

S. No	Head	Year I
1.	Consumables	1.00
2.	Manpower	
2.1	JRF (1) (@ Rs. 25,000 + 20% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 20% HRA for 3 <sup>rd</sup> yr.)	3.60
2.2	Technical Assistant	1.20
<b>Total Manpower</b>		<b>4.80</b>
3.	Travel	
3.1	Domestic	1.00
3.2	International	2.00
3.3	Local hospitality	0.50
3.4	Review meeting and seminar	--
<b>Total Travel</b>		<b>3.50</b>
4.	Field/ operational expenses	1.00
5.	Contingency	3.00
6.	Overheads	1.50
<b>Total B (1+2+3+4+5+6)</b>		<b>14.80</b>

**Delhi Technological University, Delhi: (Rs. in lakhs)**

S. No	Head	Year I
1.	Consumables	2.00
2.	Manpower	
2.1	JRF (1) (@ Rs. 25,000 + 20% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 20% HRA for 3 <sup>rd</sup> yr.)	3.60
<b>Total Manpower</b>		<b>3.60</b>
3.	Travel	
3.1	Domestic	0.50
3.2	International	--
<b>Total Travel</b>		<b>0.50</b>
4.	Contingency	1.00
5.	Overheads	0.50
<b>Total B (1+2+3+4+5)</b>		<b>7.60</b>

Total amount to be released under recurring head (Rs. 12.90 lakhs + 21.20 lakhs + 14.80 lakhs + 7.60 lakhs) = Rs. 56.50 lakhs

2. The other terms and conditions governing the financial sanction will remain unaltered.
3. The amount of Rs. 56.50 (Rupees Fifty Six lakhs and Fifty Thousand only) will be drawn by the DDO, DBT from PAO, DBT and will be disbursed to the following through RTGS as per details given below:
  - i. Rs. 12.90 (Rupees Twelve lakhs and Ninety Thousand only) to the Registrar, University of Delhi, Delhi, as per the following details:
 

Name of the Bank : State Bank of India, Delhi University Branch  
Bank A/c No. : 10851298650  
IFSC Code : SBIN0001067  
MICR Code : 110002030
  - ii Rs. 21.20 lakhs (Rupees Twenty One Lakhs and Twenty Thousand only) to The Registrar, Goa University, Goa, as per the following details:
 

Name of the Bank : State Bank of India, Goa University Complex  
Bank A/c No. : 10664493609  
IFSC Code : SBIN0004311  
MICR Code : 403002053

Contd. 3/-

iii **Rs. 14.80 (Rupees Fourteen Lakhs and Eighty Thousand Only)** to the Finance Officer, Kerala University of Fisheries and Ocean Studies, Kochi, Kerala, as per the following details:

Name of the Bank	:	State Bank Travancore, Vyttila Branch, Kochi
Bank A/c No.	:	67167440116
IFSC Code	:	SBTR0000517
MICR Code	:	682009009

iv **Rs. 7.60 lakhs (Rupees Seven Lakhs and Sixty Thousand only)** to The Registrar, Delhi Technological University, Delhi, as per the following details:

Name of the Bank	:	State Bank of India, DCE Campus, Shahbad Daultapur, Bawana Road, Delhi- 42
Bank A/c No.	:	31007875089
IFSC Code	:	SBIN0010446
MICR Code	:	110002438

4. The expenditure involved is debitale to:

Demand No.79	:	Department of Biotechnology
3425	:	Other Scientific Research (Major Head)
60	:	Others (Sub Major Head)
60.200	:	Assistance to other scientific bodies
60.200.29	:	Biotechnology Research and Development
60.200.29.17	:	Assistance for Research and Development
60.200.29.17.31	:	Grant in aid General 2016-17 (Plan)


5. This is first release of the project so no UC/SE is pending with the project.

6. As per rule 211(1) of GFR, the accounts of all grantee Institutions shall be open to inspection by the sanctioning authority / audit.

7. In case the whole or a part of the amount of the grant-in-aid is being refunded, as an interest at the rate of ten per cent per annum thereon shall be recovered.

8. This issues under the powers delegated to this Department with the concurrence of IFD, DBT vide their Dy. No. 102/IFD/SAN/24/2016-2017 dated 24.07.2016

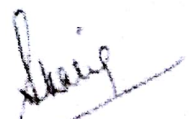
9. This sanction order has been entered at Serial No. 05 in the register of grants.

  
 (Dr. Sanjay Kalia)  
 Scientist 'D'

To  
 The Pay & Accounts Officer  
 Department of Biotechnology  
 C.G.O. Complex, Lodhi Road  
 New Delhi-110 003

- Copy to:
1. The Principal Director of Audit (Scientific Departments), IP Estate, AGCR Building, New Delhi-2.
  2. Cash Section, DBT (2 copies)
  3. IFD, DBT.
  4. Prof Rina Chakrabati, Department of Zoology, University of Delhi, Delhi.
  5. Prof. Ramaballav Roy, Department of Zoology, Goa University, Goa
  6. Dr. K. Padma kumar, Kerala University of Fisheries and Ocean Studies, Kochi.
  7. Dr. J. G. Sharma, Department of Biotechnology, Delhi Technological University, Delhi.
  8. Sanction folder.
  9. File.



  
 (Dr. Sanjay Kalia)  
 Scientist 'D'

चण्डीगढ़ / Chandigarh  
दूरभाष / Telephone : 0172-3957100, 2651824-25  
फैक्स / Fax : 0172-2657506  
ई-मेल / e-mail : director@tbri.drdo.in



भारत सरकार / GOVERNMENT OF INDIA  
रक्षा मंत्रालय / MINISTRY OF DEFENCE  
रक्षा अनुसंधान तथा विकास संगठन  
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION  
चरम प्राक्षेपिकी अनुसंधान प्रयोगशाला  
TERMINAL BALLISTICS RESEARCH LABORATORY  
सेक्टर-30, चण्डीगढ़-160 030  
SECTOR-30, CHANDIGARH-160 030

रामगढ़ रेंज / Ramgarh Range  
दूरभाष / Telephone : 01733-307000, 253742 - 43  
फैक्स / Fax : 01733-253035

संदर्भसं: / Ref. No. : TBRL/PCD/DTU-CARS/2015

दिनांक / Date : 29 Sep 2015

To

Fax No: 011-27871023

Vice Chancellor,  
Delhi Technological University  
Shahbhad Daultpur, Bawana Road  
Delhi-110042

(Kind Attn: Prof. Rajeev Kapoor)

Sub:- "Real Time Infrared Image Enhancement for Vehicle Classification"

Ref:- Contract No: TBRL/CARS/66/2015 dt. 28/09/2015

Please find enclosed a copy of above referred contract for your perusal and information. You are requested to forward the Contingent Bill for Rs. 27.20Lakh (Rupees Twenty - Seven Lakh Twenty Thousand Only) as per sanction letter no DG/(MSS)/TBRL/PROC(PREE)/15-16/0026 DATED 25/08/2015 on account of initial advance to start the project work along with income tax exemption certificate. Contract papers submitted by you are not in line with 'Sanction Letter' and required to be changed as per amended zerox copy. Kindly also provide following bank details for e-transfer of funds.

- Name of Account, Bank Address, Account No, IFS Code and MICR Number.

2. Kindly accord "PRIORITY"

Ref. Rajeev Kapoor  
10/10/15

3  
29.9.15  
(अखिलेश चन्द्र शर्मा, वै. 'जी')  
Scientist 'G'  
For Director

Encl As stated above

392/1C  
09/10/15  
13/10/15

### Contract for Acquisition of Research Services (CARS)

By signature of authority identified at (11) below, DRDO hereby contracts on the Research Service Provider identified at (3), the provision of the Research services described at (6), within the time stated at (8), for payments at (9.2), and subject to other conditions overleaf, as follows:

1. Short title of Research Service to be provided  <b>Real Time Infrared Image Enhancement for Vehicle Classification</b>			Contract Number  Date
In response to :			Dates of CARS Amendments:
2.RSQR Document Ref. No. :	Date of issue YY MM DD	Issuing DRDO Lab/Estt/Project :  TBRL, Chandigarh	
3. Name and address of Research of Service Provider (RSP): Prof. Rajiv Kapoor Delhi Technological University ShahbhadDaultpur, Bawana Road, Delhi- 110042			4. RSP's Offer Ref.  Date :
5.(a) This contract will require a formal amendment if the following key professional are not available to RSP N.A. (b) RSP is authorized to engage these professionals as research consultants ( names, institutes/companies) N.A.			
6. Principal technical features of research Service to be provided ( Detailed in Attachment A) Attachment A			
7. DRDO will make available the following DRDO-owned equipment to RSP: N.A.			
8. Technical performance of this contract shall be complete when RSP submits the Final Report before (date)			2017-2018
9.1 Expenditure on items below shall not exceed sums shown against each			Rs. In lakhs
a) Personal Research Staff : (Jr. Research Fellow/ Research Associate-3 Nos ; Senior Scientific Officer- 1 Nos Assistant – 1 Nos.) (Attachment- A)			26.4
b) Equipment ( Attachment A)			11.1
c) Contingency			<del>2.25</del> 12.50
<del>d) TADA</del>			<del>1.60</del>
e) <del>Others (Lab. Overheads)</del>			<del>2.05</del>
Total :			50
9.2 Schedule of payments (Rs. In lakhs)			Date
a) Initial advance			<del>01/10/2016</del> 27.00
b) at Performance Milestone I <del>to be</del> for II (After 12M)			<del>01/10/2016</del> 17.80
c) on submission of Final report ( Refer also entry 8 above)			5
@ Payments will be made within 45 days of receipt by L/E/P of Contingent Bill			
Total			50
10. DRDO will deem this contract, including amendments thereto to have been communicated when signed below by the authority of the academic institution (e.g. Register) competent to enter into this contract.  [ Sign over seal] Name : Designation : Dean IRD (DTU Delhi)			11. Signature of L/E/P contract administrator :  Name 'Dr. Manjit Singh' Designation: Director  Address TBRL, Chandigarh Telephone : 0172- 2657659 Fax : 0172-2657506, 01733-253035 Email : <a href="mailto:drtbrl@chd.nic.in">drtbrl@chd.nic.in</a>

Delhi Technological University  
(Formerly Delhi College of Engineering)  
Shahbad Daultpur Bawana Road, Delhi-42

*Ref.*  
24/9/15

17/c

Government of India  
Department of Atomic Energy  
**(R&D-II Section)**

35

Anushakti Bhavan  
C.S.M. Marg,  
Mumbai - 400 001.  
Email: [rd2@dae.gov.in](mailto:rd2@dae.gov.in)  
Tel: 022-22862763

Ref. No. 2/48(6)/2016/NBHM(R.P.)/R&D II/15455 Date: November 2), 2016

**ORDER**

On the recommendation of the National Board for Higher Mathematics (NBHM), the administrative approval of this Department is hereby conveyed for grant of financial assistance to the Research Project entitled "Convection Dominant Diffusion Problems: Numerical computations of adaptive meshes and error estimations" under Dr. Vivek Kumar Aggarwal, Department of Applied Mathematics, Delhi Technological University, Bawana Road, Delhi - 110 042 for 3 years. The total grant for the project will be ₹ 3,49,000/- (Rupees Three Lakh Fourty Nine Thousand Only) as under :

Sr. No.	Items	1st Year	2nd Year	3rd Year (₹)	Total (₹)
		(₹)	(₹)	(₹)	
Financial Year		2015-16	2016-17	2017-18	
1	One JRF @ ₹ 25000/- p.m. for first two years and @ ₹ 28000/- p.m. for third year.	Nil	Nil	Nil	Nil
2	Library Grant	20,000	20,000	20,000	60,000
3	Computer Hardware	1,00,000	-	-	1,00,000
4	Domestic Travel *	40,000	40,000	50,000	1,30,000
5	Sub Total (sum of 1 to 4 above)	1,60,000	60,000	70,000	2,90,000
6	Over head @ 10% of the above	16,000	6,000	7,000	29,000
7	Contingencies for Principal Investigator	10,000	10,000	10,000	30,000
	<b>Total:</b>	<b>1,86,000</b>	<b>76,000</b>	<b>87,000</b>	<b>3,49,000</b>

- \* Note: 1. No foreign travel permitted  
2. No DA on domestic / international flight can be given.

2. Sanction is also conveyed to the expenditure of ₹ 1,86,000/- (Rupees One Lakh Eighty Six Thousand Only) for the 1<sup>st</sup> year may please be released by wire transfer/online transfer to The Registrar, Delhi Technological University as per bank details as under:

Details of the bank for online payment	Saving Bank Account No : 31007875089
	Bank Name : State Bank of India
	Branch : DCE Campus, Shahbad Daulatpur, Bawana Road, Delhi – 110042.
	IFSC Code : SBIN0010446
	Account Holder : Registrar, DTU .

4. The expenditure is debit to:

Grant No.	04 - Atomic Energy
Major Head of Accounts	3401-Atomic Energy Research
Minor Head of Accounts	00 004-Research & Development
Sub-Head of Accounts	27 02- Research Support
Detailed Head of Account	31-Grant-in-aid (General)
Year	2016-17.

5. This is issued with the concurrence of Internal Financial Adviser, DAE.

*(Prakash P. Mathpati)*  
(Prakash P. Mathpati)  
Section Officer (R&D-II)

Pay & Accounts Officer,  
DAE, Mumbai.

Copy to:

1. The Auditor, Scientific Department, AEAP, OYC, Mumbai 400 001
2. A.A.O (C.C.) DAE, Mumbai 400 001
3. Member Secretary, NBHM, DAE, Mumbai - 400 001 – with reference to letter No. NBHM/R.P.21/2015/Fresh/ dated 21.04.2016.
4. Dr. Vivek Kumar Aggarwal, Department of Applied Mathematics, Delhi Technological University, Bawana Road, Delhi – 110042.  
(Email : [vivekkumar.ag@gmail.com](mailto:vivekkumar.ag@gmail.com) )
5. Registrar, Delhi Technological University, Bawana Road, Delhi – 110042. (Email : [registrardtu@dce.ac.in](mailto:registrardtu@dce.ac.in) )
  - the grant in aid is subject to the following conditions:
    - (a) The actual amount of grant-in-aid that would be released will be limited to the actual expenditure subject to the maximum recommended by the Board.
    - (b) In accordance with Rule 43 of the General Financial Rules, this sanction will lapse if no payment in whole or part is made during a period of twelve months from the date of issue of the sanction order.
    - (c) The Principal Investigator is authorized to incur the expenditure towards the general administrative requirement of the project and towards fees payable to Auditor/Chartered Accountant for audit of accounts of the project, from the funds sanctioned under "overhead" for the project.
    - (d) Grant for the 2<sup>nd</sup> year will be released in FULL (unspent balance of previous year will be adjusted) on receipt of the bill IN DUPLICATE in prescribed FORM-II along with the following documents.
      - 1 Utilization Certificate (FORM-III) for the preceding year.
      - 2 Statement of Accounts signed by Internal Auditor/ Accountant of the Institution/ University(FORM-IV)- for the preceding year.
      - 3 Copy of appointment order and joining report of the staff appointed the project along with Minutes of the Selection Committee.
      - 4 An inventory of equipment (FORM -V)

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- (e) Please note that claims shall be submitted to this Department well in advance before the end of the financial year in which the claim is due, otherwise, the sanctioned grant will lapse.
  - (f) A separate certificate for the charges paid for the use of the centralized computer facility must be attached along with claim whenever computer charges are paid.
  - (g) The progress reports are required to be submitted once a year. Hence, it is requested that 25 copies of the renewal application with progress report of the work of the above project may be sent to the Member Secretary, National Board for Higher Mathematics, OYC, C.S.M. Marg, Mumbai 400 001
  - (h) All communications relating to financial matter of the project may please be addressed (by designation) to Under Secretary (R&D), Department of Atomic Energy, Anushakti Bhavan, C.S.M. Marg, Mumbai - 400 001. quoting the relevant sanction order number and date.

2. Sanction file.

*Prakash P. Mathpati*  
(Prakash P. Mathpati)  
Section Officer (R&D-II)

**UNIVERSITY and LOCKHEED MARTIN CORPORATION  
CORPORATE UNIVERSITY RESEARCH AGREEMENT**

S15-002

For research entitled  
**Roll-on / Roll-off Design Challenge**

This Corporate University Research Agreement (the "Agreement") is entered into this 15<sup>th</sup> day of January, 2015 (the "Effective Date"), by Lockheed Martin Corporation ("LMC"), a Maryland Corporation with a principal place of business at 6801 Rockledge Drive, Bethesda, Maryland 20817, and Delhi Technological University, having its office at Shahbad Daultapur, Main Bawana Road, Delhi-42, India ("UNIVERSITY"). LMC and UNIVERSITY shall be known as a "Party" individually and as the "Parties" jointly throughout this Agreement.

**1. OBJECT**

The object of this Agreement shall be to support research project(s) as generally described in EXHIBIT A and as specifically performed by UNIVERSITY's Principal Investigator, students and staff. The Individual Project Agreement attached hereto as EXHIBIT B (hereinafter the "Project"). As used in this Agreement, the term "Researchers" shall include all persons who perform any research activities on a Project, including, but not limited to, professors and staff of the UNIVERSITY, any other faculty member of the UNIVERSITY assisting on a Project, any graduate or undergraduate students assisting on a Project, and any other person not previously mentioned who acts as an agent for any of the previously named persons in performing research activities on a Project.

**2. CONDUCT OF PROJECT**

A research Project shall be the responsibility of the UNIVERSITY and shall be conducted under the direction of the Principal Investigator in accordance with the research policies, procedures and practices of the UNIVERSITY. Contact Information for each is as follows:

**Lockheed Martin Corporation**

Prakash Sessa  
Senior Manager  
CETO  
6801, Rockledge Blvd  
Bethesda, MD 20817  
USA  
Ph: +1-301-214-3242  
Email: prakash.m.sessa@lmco.com

**University**

Prof. N. S. Raghava or Prof. D.S. Nagesh  
ECE / ME Engineering Department,  
Delhi Technological University,  
Delhi - 42, India.  
Ph: +91-9711724842 or +91-9213728762  
Email: nsraghava@dce.ac.in or  
dsnagesh@dce.edu

LMC's technical contact shall confer with the Principal Investigator at reasonable times and at reasonable length to discuss the direction and progress of the Project until its completion. Neither Principal Investigator nor UNIVERSITY shall subcontract or otherwise provide any

*D. S. Nagesh*

*W. S. A.  
26 Jan 15*

Year	of	Funds
2013	award	RS. 1
2013		Rs. 3
2013		Rs.
2013		Rs.
2013		F
2013		

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WANA ROAD

**UNIVERSITY and LOCKHEED MARTIN CORPORATION  
CORPORATE UNIVERSITY RESEARCH AGREEMENT**

For research entitled:

**“Next-Generation Urban Unmanned Air System Engineering Manufacturing & Development”**

This Corporate University Research Agreement (the “Agreement”) is entered into by and between effective as of the last date of the signatures below (Effective Date), Lockheed Martin Corporation (hereinafter referred to as “LMC”), a Maryland Corporation with a principal place of business at 6801 Rockledge Drive, Bethesda, Maryland 20817 and Delhi Technological University, an educational institution and non-profit corporation, with a principal address Shahbad Daulatpur, Main Bawana Road, Delhi -42, India (hereinafter referred to as “DTU”). LMC and DTU shall be known as a “Party” individually and as the “Parties” jointly throughout this Agreement.

The conditions governing this Agreement shall be:

**1. OBJECT**

- 1.1 The object of this Agreement is segregated into three performance periods;
- a) The First Performance Period of this Project will have a duration, beginning from the Effective Date, of no more than 6 months in which DTU will define potential options for vehicles slightly smaller and larger (+/- 50% in total weight) as well as provide marketing data in order for LMC to determine the best course for transition from prototype to System Development Design (SDD).
- b) In the Second Performance Period will immediately follow the first and will have a duration of no more than 6 months, DTU shall develop and submit a proposal that describes the threshold and objective requirements of the new vehicle based on input received during the first phase. LMC shall recommend potential requirements. This will define the characteristics and performance of the potential product. DTU shall provide a list of potential subcontractors for LMC to review and select for the Third Performance Period of the Project.
- c) The Third Performance Period will be for the remainder of the Term (12 months) and consist of executing the efforts to transition the current prototype Aarush X1 to an indigenous Indian product, through partnership with local industry. The characteristics and performance of this product will be based on the second performance period. Attachment A (vehicle characteristics description) shall be revised and then be valid for the remainder of the MOU.
- 1.2 As used in this Agreement, the term “Researchers” shall include all persons who perform any research activities on the Project, including, but not limited to, professors and staff of DTU, any graduate or undergraduate students assisting on the Project, and any other person not previously mentioned who acts as an agent for any of the previously named persons in performing research activities on the Project.

**2. PROGRAM**

*[Handwritten Signature]* *[Handwritten Name]*

S13-010

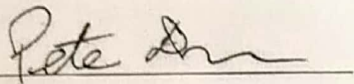
**UNIVERSITY and LOCKHEED MARTIN CORPORATION  
CORPORATE UNIVERSITY RESEARCH AGREEMENT**

In witness whereof, the Parties hereto have caused their duly authorized representatives to execute this Agreement effective as of the day and year last below written.

LOCKHEED MARTIN CORPORATION

DELHI TECHNOLOGICAL UNIVERSITY

By



By



Professor P. B. Sharma,  
First Vice Chancellor  
Delhi Technological University

Date \_\_\_\_\_

Date \_\_\_\_\_

201c 3/c

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DST/RCUK/SEGES/2012/04 (G)  
 GOVERNMENT OF INDIA  
 MINISTRY OF SCIENCE & TECHNOLOGY  
 DEPARTMENT OF SCIENCE & TECHNOLOGY

Technology Bhawan,  
 New Mehrauli Road,  
 New Delhi -110016

Date: 30/09/2014

SANCTION ORDER

Subject: Financial support for Project entitled "Reliable and Efficient System for Community Energy Solution RESCUES" Coordinated by Prof. Chandan Chakraborty, Department of Electrical Engineering, Indian Institute of Technology Kharagpur, Kharagpur-721302 as Lead PI (Institution wise coordination: IIT Delhi- Prof. Bhim Singh, Department of Electrical Engineering, IIT Delhi, DTU- Prof. Vishal Verma, Department of Electrical Engineering, Delhi Technological University, Delhi- VNIT Nagpur- Prof. H.M. Suryavanshi, Department of Electrical and Electronics Engineering, VNIT Nagpur and IIT Madras- Prof. K. Srinivas Reddy, Department of Mechanical Engineering, IIT Madras)

Sanction of the President is hereby accorded to the implementation of the aforesaid project jointly by i) Department of Electrical Engineering, Indian Institute of Technology Kharagpur, Kharagpur-721302 ii) Department of Electrical Engineering, Indian Institute of Technology - Delhi, Hauz Khas, New Delhi - 110016 iii) Department of Electrical Engineering, Delhi Technological University, Bawana Road, Delhi-110042 iv) Department of Electrical and Electronics Engineering, VNIT Nagpur, Nagpur- 440010 v) Department of Mechanical Engineering, IIT Madras, Chennai- 600036 under the Indo UK Partnership in Smart Energy Grids and Energy Storage Technologies (SEGES) at a total cost of Rs.10,67,40,000/- (Rupees Ten Crore Sixty Seven Lakh and Forty Thousand only) with Rs. 8,89,60,000/- (Rupees Eight Crore Eighty Nine Lakh Sixty Thousand only) under Capital head and Rs. 1,77,80,000/- (Rupees One Crore Seventy Seven Lakh Eighty Thousand only) under General head for a duration of 3 years. The items of expenditure for which total allocation has been approved are as below:

(Amount Rupees in Lakh)

Item of Expenditure	1 <sup>st</sup> Year		2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
	Part I	Part II			
<b>A. Non-recurring (Capital Items)</b>					
<b>Permanent Equipment:</b>					
IIT Kharagpur: opalRT, 100kWp, 11kV SPV system, programmable AC power supply, Ultra capacitors, 11 KV Transformer, civil work for 100 kW PLAN DSpace development Platform, bench Top Multimeter (2) custom made motors & generators	150.0	300.0	40.0	0.0	490.0
IIT Delhi: OPAL-RT-1, dSPACE controller board dSPACE1106- 2, DC SOURCES SMPS Output DC 0-1000V/ 700Volts/ 17Amps/10KW- 2, 25 KVA 50KVA voltage source Inverters/1000VDC- 5, 25kVA Current Source Inverter- 2, 25KVA three-level Inverters- 4, 4 leg 3phase IGBT based inverter-8, 25 KVA matrix converter- 2, TMS320 F28335 DSP with JTAG Emulator- 4, DSP TMS 3212-3, PC+(auxiliary)- 5, printer+ Hplaser jetMFP1136- 1, Lap Top-2, Oscilloscope 500 MHz +high band width AC/DC current probe- 1, Oscilloscope 200 MHz- 2, Single phase Fluke Power Analyzer- 2, 6 channel power analyzer- 1, Fluke-435 with Voltage and current probes- 2, Lab view NI data acquisition system Instruments- 2, Wind turbine Emulator 10 kw- 1, Battery Bank 720V 44Ah-1, Grid and fault simulator 30MVA battery simulator and array simulator-1, FPGA-3 3-Ph Inductive Loads-3, 3-Ph Resistive Loads- 10, high frequency transformer-5, Regulated Power Supplies- 20, Multi-tapping Inductors-	114.0	186.0	60.0	0.0	360.0

20. Current Probes- 8, Differential Probes- 8, DC Drives10HP- 1, AC V/F DRIVES 10HP- 2, AC DTC DRIVES10HP-2, wind generator pmbldc sq dfig- 5, Isolation Transformers-5, IIT Madras NIL	17.0	0.0	3.0	0.0
DTU, Delhi, Programmable DC power supply, Photovoltaic power profile, Electronic load, battery, Auto Transformer, Bi- directional DC-DC converter	19.0	0.6	0.0	0.0
VNIT Nagpur 1 Array Simulator, battery and 20kVA grid interface converter	300.0	486.6	103.0	0.0
<b>Sub-Total of A</b>				
<b>B. Recurring Items (General)</b>				
<b>I Consumables</b>				
IIT Kharagpur:	8.0	2.0	5.0	5.0
IIT Delhi:	2.0	2.0	2.0	2.0
IIT Madras:	7.0	7.0	7.0	6.0
DTU:	0.4	0.4	0.4	0.4
VNIT:	0.6	0.6	0.6	0.6
<b>Total Consumable</b>	<b>18.0</b>	<b>12.0</b>	<b>15.0</b>	<b>14.0</b>
<b>ii. Contingency</b>				
IIT Kharagpur:	0.16	0.0	0.12	0.12
IIT Delhi:	0.16	0.0	0.12	0.12
IIT Madras:	0.16	0.0	0.12	0.12
DTU:	0.16	0.0	0.12	0.12
VNIT:	0.16	0.0	0.12	0.12
<b>Total Contingency</b>	<b>0.8</b>	<b>0.0</b>	<b>0.6</b>	<b>0.6</b>
<b>iii. Manpower</b>				
IIT Kharagpur: (1 SRF and 1 JRF)	4.3	0.0	4.3	4.3
IIT Delhi: (1 SRF and 1 JRF)	4.2	0.1	4.3	4.3
IIT Madras: (1 SRF)	2.5	0.0	2.5	2.5
DTU: (1 SRF)	2.5	0.0	2.5	2.5
VNIT: (1 SRF)	2.5	0.0	2.5	2.5
<b>Total Manpower</b>	<b>16.0</b>	<b>0.1</b>	<b>16.1</b>	<b>16.1</b>
<b>iv. Foreign Travel</b>				
IIT Kharagpur:	2.0	0.0	6.0	4.0
IIT Delhi:	2.0	0.0	6.0	4.0
IIT Madras:	2.0	0.0	4.0	4.0
DTU:	2.0	0.0	4.0	4.0
VNIT:	2.0	0.0	4.0	4.0
<b>Total Foreign Travel</b>	<b>10.0</b>	<b>0.0</b>	<b>4.0</b>	<b>4.0</b>
			24.0	20.0
				54

19/10 2/10

Domestic Travels

IIT Kharagpur:	0.08	0.0	0.06	0.06	0.2
IIT Delhi:	0.08	0.0	0.06	0.06	0.2
IIT Madras:	0.08	0.0	0.06	0.06	0.2
DTU:	0.08	0.0	0.06	0.06	0.2
VNIT:	0.08	0.0	0.06	0.06	0.2
Total Domestic Travel	0.4	0.0	0.3	0.3	1.0
vi Workshop to be held in India with participation of UK and Indian scientists					
IIT Kharagpur:	1.5	0.0	0.0	1.5	3.0
IIT Delhi:	0.0	0.0	1.5	1.5	3.0
IIT Madras:	0.0	0.0	1.5	0.0	1.5
DTU:	1.5	0.0	0.0	0.0	1.5
VNIT:	0.0	0.0	1.5	0.0	1.5
Total	3.0	0.0	4.5	3.0	10.5
vii Institutional Overhead					
IIT Kharagpur:	0.2	0.0	0.2	0.2	0.6
IIT Delhi:	0.2	0.0	0.2	0.2	0.6
IIT Madras:	0.2	0.0	0.2	0.2	0.6
DTU:	0.2	0.0	0.2	0.2	0.6
VNIT:	0.2	0.0	0.2	0.2	0.6
Total Overhead	1.0	0.0	1.0	1.0	3.0
Sub-Total of B	49.2	12.1	61.5	55.0	177.8
Total (A+B)	349.2	498.7	164.5	55.0	1067.4

2. Sanction of the President is hereby accorded for release of first instalment of Rs 3,49,20,000/- (Rupees Three Crore Forty Nine Lakh and Twenty Thousand only) with Rs 3,00,00,000/- (Rupees Three Crore only) under Capital head and Rs. 49,20,000/- (Rupees Forty Nine Lakh and Twenty Thousand only) under General head. The institution-wise break up of first release is as below:

(Amount Rupees in lakh)

Institute Name	Non-recurring (Capital Items)	Recurring Items (General)	Total
IIT Kharagpur	150.0	16.24	166.24
IIT Delhi:	114.0	8.64	122.64
IIT Madras	-----	11.94	11.94
DTU	17.0	6.84	23.84
VNIT	19.0	5.54	24.54
Total Amount	300.0	49.2	349.2

Contd:-

3 Sanction of the grant is subject to the conditions as detailed in DST website [www.dst.gov.in](http://www.dst.gov.in). Acceptance of the grant will automatically imply acceptance of DST's term and conditions of the grant. As per Rule 211 of revised GFRs, the accounts of this Project Grants at Grantee Organization shall be available for inspection by the sanctioning authority/ audit where ever the Organization is called upon to do so.

4 The project would be monitored by a monitoring Committee appointed by Department of Science & Technology, Govt. of India. The Principal Investigator/ Co- Principal Investigator of the project has to obtain the statutory clearances required for execution of the project, if required.

5 This is the first release of this project under R & D Support Program, which has been initiated in the financial year so no previous UC is attached with this sanction order.

6 The University/ Institute will furnish to the DST, Utilization Certificate and an audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.

7 The University/Institute will maintain separate audited accounts for this project. It is necessary to keep part or whole of the grant in a bank account earning interest. The interest earned should be reported to the DST. The interest thus earned will be treated as a credit to the Institute to be adjusted from further installments of the grant.

8 All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of DST.

9 The Institute will furnish to the DST, Utilization Certificate (UC), Statement of Expenditure (SE) and audited statement of accounts pertaining to the grant immediately after the end of each financial year. It is certified that there is no pending UC/SE from the grantee under the scheme/project.

- 10 The expenditure involved is to be debited to
- Demand No. 86 - Department of Science & Technology;
  - "3425" - Other Scientific Research (Major Head);
  - 60 - Others (Sub-Major Head);
  - 60 200 - Assistance to other Scientific Bodies (Minor Head);
  - 25 - Research & Development Support
  - 25 01 - Grants-in-aid for R&D Support
  - 25.01.31 - Grants-in-aid General for the year 2014 - 2015 (Plan).

The above release is made under 'R & D Support' Scheme.

11 The amount of Rs. 49,20,000/- (Rupees Forty Nine Lakh and Twenty Thousand only) under 'Grants-in-aid General' towards Manpower, Travel, Contingencies, Consumables and Institutional Overhead will be drawn by Drawing & Disbursing Officer, DST and disbursed to the following as per details given below.

(Amount Rupees in lakh)					
S No.	Authority and Institution Name	Amount (Rs in lakh)	Bank Name and Branch	IFSC Code	Bank A/C No.
1	Registrar, IIT- Kharagpur	16.24	Syndicate Bank & SRIC-IIT, Kharagpur Branch, IIT Kharagpur - 721 302,	SYNB0009556	95562010
2	Registrar, IIT-	8.64	State Bank of India, IIT Branch, Hauz	SBIN0001077	107735

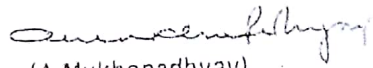


	Delhi			Khas, New Delhi-110016		
3	Registrar, Madras	IIT.	11.94	Canara Bank & IIT-Madras Campus Branch, Sardar Patel Road, Guindy, Chennai 600 036	CNRB0002722	27221010711
4	Registrar, Technological University	Delhi	6.84	State Bank of India, Delhi College of Engineering, Bawana Road, Delhi- 110042	SBIN0010446	310078858
5	Director, Nagpur	VNIT	5.54	State Bank of India, VRCE Branch, VNIT Campus, Nagpur- 440010	SBIN0006702	102594202

12 The sanction issues under the powers delegated to the Ministries and with the concurrence of the Integrated Finance Division, Department of Science & Technology vide their Dy No. 100/IFD/3580/2014-15 dated 25/09/2014.

13 In case if the cheque / DD in reference to the amount sanctioned for disbursement under this sanction is not received by the Principal Investigator within 14 days of the date of this sanction, Principal Investigator may bring the same, with IFD diary no. & date of sanction etc, to the notice of Controller of Accounts (COA) for looking into the matter.

14 Sanction has been entered at SI no <sup>427</sup> dated 30/9/2014 in the register of grants (2014-2015) maintained by the division.

  
(A Mukhopadhyay)  
Scientist 'G' & Head (INSPIRE & FIST)

To,

The Pay & Accounts Officer, Department of Science & Technology, New Delhi-110016

Copy to:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above guarantee.
2. Accounts Section, DST, New Delhi
3. IFD, DST, New Delhi
4. The Director of Audit, III Floor, AGCR Building, IP Estate, New Delhi
5. Prof. Chandan Chakraborty, Department of Electrical Engineering, Indian Institute of Technology Kharagpur, Kharagpur-721302
6. Prof. Bhim Singh, Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Haus Khaz, New Delhi-110016
7. Prof. Vishal Verma Department of Electrical Engineering, Delhi Technological University, Delhi
8. Prof. H.M Suryavanshi, Department of Electrical and Electronics Engineering, VNIT Nagpur
9. Prof. K. Srinivas Reddy, Department of Mechanical Engineering, IIT Madras Chennai, Tamil Nadu

Contd.

10. The Registrar, Indian Institute of Technology Kharagpur, Kharagpur-721302
11. The Registrar, Indian Institute of Technology Delhi, Haus Khaz, New Delhi-110016
12. The Director, Delhi Technological University, Bwana Road, Delhi-110042
13. The Director, VNIT Nagpur, South Ambazari Road, Nagpur, Maharashtra  
Pin, 440010 (India) Madhya Pradesh
14. The Registrar, Indian Institute of Technology Madras, Chennai, Tamil Nadu 600036
15. Sanction folder
16. Master File
17. Office Copy
18. Dr. Sanjay Bajpai, Scientist 'F', DST
19. FICCI Cell

*A. Mukhopadhyay*  
(A Mukhopadhyay)  
Scientist 'G' & Head (INSPIRE & FIST)

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C No.

No. BT/PR9847/AAQ/3/648/2013  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)  
CGO Complex, Lodhi Road,  
New Delhi- 110 003

Date: 09.02.2015

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated Jan 29, 2015 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **1807000.00** (Rupees Eighteen Lakhs Seven Thousand Only) being the first year release for the project entitled "**Development of Pelleted Diet for Catla catla and Clarias batrachus Using Achyranthes aspera and Evaluation of Its Immunostimulatory Properties in Pond Culture System**", being implemented by

1. Dr. Jai G Sharma, Delhi Technological University, DTU, Shahbad Daultpur, Bawana Road,, New Delhi - 110042, Delhi
2. Dr. Rina Chakrabarti, University of Delhi, North Campus, University of Delhi, New Delhi - 110007, Delhi
3. Dr. Vungarala Hanikrishna, Central Institute of Fisheries Education, CIFE Rohtak Centre, Lahli Via Anwal, Rohtak - 124411, Haryana

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Central Institute of Fisheries Education	403200.00	50000.00	0.00	20000.00	0.00	20000.00	493200.00
2	Delhi Technological University	436800.00	200000.00	0.00	25000.00	0.00	30000.00	691800.00
3	University of Delhi, North Campus	192000.00	290000.00	40000.00	50000.00	0.00	50000.00	622000.00

2. The amount of Rs. **1807000.00** /- (Rupees Eighteen Lakhs Seven Thousand Only) will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:



1. Rs.691800.00/- (Rupees Six Lakhs Ninety One Thousand Eight Hundred Only) to The Principal, Delhi Technological University, Shahbad Daulatpur, Main Bawana Road, New Delhi - 110042, Delhi

Bank Name : State Bank of India  
Branch Name : DCEDTU Campus, Sahbad Daulatpur,  
A/c No. : 31007875089  
IFSC Code : SBIN0010446  
MICR Code : 110002438

2. Rs.622000.00/- (Rupees Six Lakhs Twenty Two Thousand Only) to The Registrar, University of Delhi, North Campus, Delhi - 110007, Delhi

Bank Name : State Bank of India  
Branch Name : Utility Centre University of Delhi  
A/c No. : 10851298650  
IFSC Code : SBIN0001067  
MICR Code : 110002030

3. Rs.493200.00/- (Rupees Four Lakhs Ninety Three Thousand Two Hundred Only) to The Director, Central Institute of Fisheries Education, PB No. 7392, Kakori Camp, Jaiprakash Road, J.P. ROAD, SEVEN BUNGLOWS, VERSOVA, Mumbai - 400061, Maharashtra

Bank Name : State Bank of India  
Branch Name : SBI VERSOVA, MUMBAI  
A/c No. : 10132355212  
IFSC Code : SBIN0003117  
MICR Code : 400002078

3. The expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2014-2015
3425.60	Others (Sub-Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.01	Agriculture Biotechnology and Allied Areas
3425.60.200.29.01.31	Grants-in-Aid General

4. The Principal, Delhi Technological University, New Delhi, Delhi and The Registrar, University of Delhi, North Campus, Delhi, Delhi and The Director, Central Institute of Fisheries Education, Mumbai, Maharashtra will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the Institute is called upon to do so by the sanctioning authority.

6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

7. In case of the whole or part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten percent per annum thereon shall be recovered.

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Page No. [2 / 3]

iii Rs. 14.80 (Rupees Fourteen Lakhs and Eighty Thousand Only) to the Finance Officer, Kerala University of Fisheries and Ocean Studies, Kochi, Kerala, as per the following details:


Name of the Bank	:	State Bank Travancore, Vyttila Branch, Kochi
Bank A/c No.	:	67167440116
IFSC Code	:	SIBTR0000517
MICR Code	:	682009009

iv ~~Rs. 7.60 lakhs (Rupees Seven Lakhs and Sixty Thousand only)~~ to The Registrar, Delhi Technological University, Delhi, as per the following details:

Name of the Bank	:	State Bank of India, DCE Campus, Shahbad Daultapur, Bawana Road, Delhi- 42
Bank A/c No.	:	31007875089
IFSC Code	:	SBIN0010446
MICR Code	:	110002438

4. The expenditure involved is debit to:
- |                 |   |   |
|-----------------|---|---|
| Demand No.79    | : | Department of Biotechnology             |
| 3425            | : | Other Scientific Research (Major Head)  |
| 60              | : | Others (Sub Major Head)                 |
| 60.200          | : | Assistance to other scientific bodies   |
| 60.200.29       | : | Biotechnology Research and Development  |
| 60.200.29.17    | : | Assistance for Research and Development |
| 60.200.29.17.31 | : | Grant in aid General 2016-17 (Plan)     |

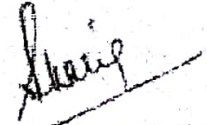
5. This is first release of the project so no UC/SE is pending with the project.
6. As per rule 211(1) of GFR, the accounts of all grantee Institutions shall be open to inspection by the sanctioning authority / audit.
7. In case the whole or a part of the amount of the grant-in-aid is being refunded, as an interest at the rate of ten per cent per annum thereon shall be recovered.
8. This issues under the powers delegated to this Department with the concurrence of IFD, DBT vide their Dy. No. 102/IFD/SAN/24/2016-2017 dated 28.04.2016
9. This sanction order has been entered at Serial No. 05 in the register of grants.

  
 (Dr. Sanjay Kalia)  
 Scientist 'D'

To  
 The Pay & Accounts Officer  
 Department of Biotechnology  
 C.G.O. Complex, Lodhi Road  
 New Delhi-110 003

- Copy to:
1. The Principal Director of Audit (Scientific Departments), IP Estate, AGCR Building, New Delhi-7.
  2. Cash Section, DBT (2 copies).
  3. IFD, DBT.
  4. Prof Rina Chakrabati, Department of Zoology, University of Delhi, Delhi.
  5. Prof. Ramaballav Roy, Department of Zoology, Goa University, Goa
  6. Dr. K. Padma kumar, Kerala University of Fisheries and Ocean Studies, Kochi.
  7. Dr. J. G. Sharma, Department of Biotechnology, Delhi Technological University, Delhi.
  8. Sanction folder.
  9. File.



  
 (Dr. Sanjay Kalia)  
 Scientist 'D'

**Kerala University of Fisheries and Ocean Studies, Kochi: (Rs. in lakhs)**

S. No	Head	Year I
1.	Consumables	1.00
2.	Manpower	
2.1	JRF (I) (@ Rs. 25,000 + 20% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 20% HRA for 3 <sup>rd</sup> yr.)	3.60
2.2	Technical Assistant	1.20
<b>Total Manpower</b>		<b>4.80</b>
3.	Travel	
3.1	Domestic	1.00
3.2	International	2.00
3.3	Local hospitality	0.50
3.4	Review meeting and seminar	--
<b>Total Travel</b>		<b>3.50</b>
4.	Field/ operational expenses	1.00
5.	Contingency	3.00
6.	Overheads	1.50
<b>Total B (1+2+3+4+5+6)</b>		<b>14.80</b>

**Delhi Technological University, Delhi: (Rs. in lakhs)**

S. No	Head	Year I
1.	Consumables	2.00
2.	Manpower	
2.1	JRF (I) (@ Rs. 25,000 + 20% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> yr. and Rs. 28,000 + 20% HRA for 3 <sup>rd</sup> yr.)	3.60
<b>Total Manpower</b>		<b>3.60</b>
3.	Travel	
3.1	Domestic	0.50
3.2	International	--
<b>Total Travel</b>		<b>0.50</b>
4.	Contingency	1.00
5.	Overheads	0.50
<b>Total B (1+2+3+4+5)</b>		<b>7.60</b>

Total amount to be released under recurring head (Rs. 12.90 lakhs + 21.20 lakhs + 14.80 lakhs + 7.60 lakhs) = Rs. 56.50 lakhs

2. The other terms and conditions governing the financial sanction will remain unaltered.
3. The amount of Rs. 56.50 (Rupees Fifty Six lakhs and Fifty Thousand only) will be drawn by the DDO, DBT from PAO, DBT and will be disbursed to the following through RTGS as per details given below:
  - i. Rs. 12.90 (Rupees Twelve lakhs and Ninety Thousand only) to the Registrar, University of Delhi, Delhi, as per the following details:

Name of the Bank : State Bank of India, Delhi University Branch  
 Bank A/c No. : 10851298650  
 IFSC Code : SBIN0001067  
 MICR Code : 110002030

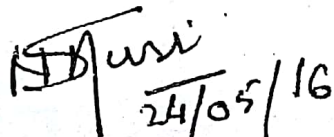
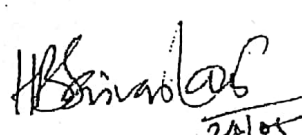
- ii. Rs. 21.20 lakhs (Rupees Twenty One Lakhs and Twenty Thousand only) to The Registrar, Goa University, Goa, as per the following details:

Name of the Bank : State Bank of India, Goa University Complex  
 Bank A/c No. : 10664493609  
 IFSC Code : SBIN0004311  
 MICR Code : 403002053

*[Handwritten signature]*

### Contract for Acquisition of Research Services (CARS)

Signature of authority identified at (11) below, DRDO hereby contracts on the Research Services Provider identified at (3) the Provision of the Research described at (6) within the time started at (8) for payments at (9.2) and subject to other conditions overleaf as below:

1. Short title of Research Service to be provided: <b>Modeling and Simulation of Single Mode CW High Power Fiber Lasers</b>			Contract Number <b>14/15</b> Date <b>18/5/15</b>
In response to:			
2. RSQR Documents Ref No:	Date of issue YY MM DD	Issuing DRDO Lab/Estt/Project:	Date of CARS Amendments: <b>24, 1st amend</b>
3. Name and address of Research Services Provider (RSP):  Dr. Yogita Kalra  SBTF-6, Science Block, Department of Applied Physics, Delhi Technological University, Delhi PIN code: 110042 Telephone: +91 9899702020 Fax: 011-27871023 Email: <a href="mailto:dryogitakalra@gmail.com">dryogitakalra@gmail.com</a>			4. RSP's Offer Ref RKS/TIFAC-CORE Date : 30/03/2015
5. (a) This Contract will require a formal amendment if the following key professionals are not available to RSP: NA (b) RSP is authorized to engage these professionals as research consultants ( names, institute /companies): NA			
6. Principal technical features of Research Services to be provided (Detailed in Attachment A)			
7. DRDO will make available the following DRDO- owned equipments to RSP (Detailed in Attachment A):			NA
8. The technical performance of this contract shall be complete when RSP submit the Final Report before (date)			25/02/2
9. 1 Expenditure on items below shall not exceed sums shown against each			Rs. In l
a) Personnel			2.496
b) Equipment			7.250
c) Others			0.254
			Total: 10.000
9.2 Schedule of payments (Rs in lakhs)			Date Payment
a) Initial advance			31/12/2015 7.250
b) at Performance Milestone I			31/08/2016 0.750
c) at Performance Milestone II			30/11/2016 0.750
d) at Performance Milestone III			31/01/2017 0.750
e) on submission of Final Report (Refer also entry & above)			25/02/2017 0.50
			Total: > 10.000
10 DRDO will deem this contract including amendments thereto, to have consummated when signed below by the authority of the academic institution (e.g. Registrar) competent to enter into this contract  I Sign over seal I   Name : Col. Neeraj Suri (Retd) Designation: Registrar, Delhi Technological University Shahbad Daulatpur, Bawana Road, Delhi-110042			11. Signature of L/E/P contract administrator   Name: Shri Hari Babu Srivastava Designation: Director, LASTEC Address: Laser Science & Technology Centre (LASTEC) Defence Research and Development Organization (DRDO), Ministry of Defence Metcalf House, Delhi -110 054 Telephone : +91 11 2390-7625 2381 Fax: 011 23811319/5227 E-Mail: <a href="mailto:director@lastec.drdo.in">director@lastec.drdo.in</a>



अन्तर-विश्वविद्यालय त्वरक केन्द्र  
INTER-UNIVERSITY ACCELERATOR CENTRE  
(Formerly Nuclear Science Centre)  
(विश्वविद्यालय अनुदान आयोग का स्वायत्त केन्द्र)  
(An Autonomous Centre of UGC)

4/C

Ref: IUAC/XIII.7/UFR-56324

August 22, 2014

Dr. Nitin K. Puri  
Assistant Professor  
Room No. IW-TF-16,  
Department of Applied Physics,  
Delhi Technological University (DTU),  
formerly Delhi College of Engineering (DCE),  
Bawana Road, Delhi-110042

Sub: Financial sanction for the financial year 2014-2015  
Ref: Project Code No. UFR- 56324 sanctioned in favour of Dr. Nitin K. Puri, Delhi Technological University (DTU),  
formerly Delhi College of Engineering (DCE), Delhi.

Dear Sir,

We are pleased to inform you that your project entitled "*Photovoltaic and Multiferroic properties of multilayered BFO/BTO thin films using Swift heavy ion irradiation*" under the UFUP scheme of this Centre has been sanctioned with the following financial approval for a period of three years.

Year	Fellowship	Contingency/Consumables	Equipment
First	JRF	25,000/-	Nil
Second	JRF	25,000/-	Nil
Third	JRF	25,000/-	Nil

Your project code no. UFR- 56324 and the same should be quoted in all future correspondences.

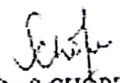
The contingency will be inclusive of all consumables. The grant for the first year contingency will be released now. Fellowship grant will be released only after a Project Fellow/JRF is appointed by the University/Institution and the related documents along with the joining report is sent to this office.

Normal UGC guidelines will apply in all circumstances. Travel money would not be released for you but as per AUC decision, you may come to IUAC for experiments, data analysis and research discussions as required and approved by Centre. IUAC will pay your TA (by train) and the local hospitality as per rule.

Annual progress report and provisional utilization certificate duly signed by a competent authority of the university in the standard UGC format must be submitted at the completion of each financial year for enabling us to release the funds for the next financial year. As soon as annual accounts of the university are audited, the final audited utilization certificate should be sent to IUAC and the draft for the unspent grant should be sent in favour of IUAC, Delhi.

Thanking you.

Yours sincerely,

  
(Dr. S. CHOPRA)  
Convener - AUC

CC:

The Registrar  
Delhi Technological University (DTU),  
formerly Delhi College of Engineering (DCE),  
Bawana Road, Delhi-110042

पोस्ट बॉक्स: 10502 अरुणा आसफ अली मार्ग,  
Post Box No. 10502, Aruna Asaf Ali Marg,  
नई दिल्ली - 110 087 (भारत)  
New Delhi- 110 087 (India)

दूरभाष : /Telephone : 011-268938  
011-268928  
टार : /Telegram : NURC  
फैक्स : /Fax : 011-268938  
वेबसाइट : /Website : www.iuac.re



## Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016

Dated 12.06.2015

### ORDER

Subject:- Financial assistance for the research project entitled "Development of versatile alkaline earth phosphate micro and nanophosphors for energy saving near UV-based white LEDs" by Dr. M Jayasimhadri, Department of Applied Physics, Delhi Technological University, Bawana Road, New Delhi - 110042, Delhi.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 26,36,800/- (Rupees twenty six lakh thirty six thousand eight hundred only) with break-up of Rs. 7,00,000/- under Non-Recurring and Rs. 19,36,800/- under Recurring head for a duration of three years. The items for which the total allocation of Rs. 26,36,800/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-Recurring</b>	
1.	Minor Equipment Laptop and desktop computer with UPS, muffle furnace, Platinum Crucibles, Centrifuge	7,00,000/-
<b>A'</b>	<b>Total Non-Recurring</b>	<b>7,00,000/-</b>
<b>B</b>	<b>Recurring</b>	
B.1	Recurring A JRF (One), Consumables, Travel, Contingencies	16,36,800/-
B.2	Recurring B (Overhead Charges)	3,00,000/-
<b>B'</b>	<b>Total Recurring (B.1 + B.2)</b>	<b>19,36,800/-</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>26,36,800/-</b>

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 7,00,000/- (Rupees seven lakh only) under 'Non-Recurring' head and Rs. 6,00,000/- (Rupees six lakh only) under 'Recurring' head to the Registrar, Delhi Technological University, New Delhi - 110042, Delhi being the first installment of the grant for the year 2015-16 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure -- I.

5 The expenditure involved is debit to

**Fund for Science and Engineering Research (FSER)**

6 The sanction has been issued with the approval of the competent authority in SERB vide Dy. No. SERB/F/ 1229 /2015-16 dated 10.06.2015.

7 The amount of Rs. 13,00,000/- (Rupees thirteen lakh only) meant for both 'Non-Recurring' head and 'Recurring' head will be drawn by the Finance & Budget Officer of the SERB and it will be disbursed to The Registrar, Delhi Technological University, New Delhi - 110042, Delhi by means of RTGS transaction as per their details given below:

Account Name	Registrar, DTU
Bank Name & Branch	State Bank of India, Delhi College of Engg. Branch, Delhi
Bank Account Number	31007875089
IFSC Code	SBIN0010446
e-mail ID of the grantee	registrardtu@dce.ac.in

8 The Institute will furnish to the Board, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9 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.

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

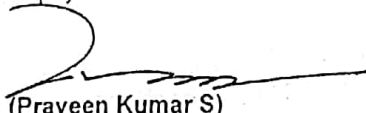
11 All purchases of equipments and consumables etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

12 The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest: The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13 As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

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

15 The institute may refund any unspent balance to SERB by means of an a/c payee Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

  
(Praveen Kumar S)  
Scientist 'E'

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi - 110 002.
2. The Finance & Budget Officer, SERB (2 copies).

3. ✓ Dr. M Jayasimhadri  
Department of Applied Physics  
Delhi Technological University  
Bawana Road, New Delhi - 110042  
e-mail: jayaphysics@yahoo.com

4. The Registrar  
Delhi Technological University  
Bawana Road, New Delhi - 110042

5. Sanction folder SERB
6. SERB Secretariat

  
(Praveen Kumar S)  
Scientist 'E'

CHECKLIST

I. GENERAL INFORMATION

- 1. Title of the Project : From Plasmonic to Dielectric and Hybrid Nanoantennas: Novel approaches to control Electromagnetic Waves and Light
- 2. Initiating Institute of project : Delhi Technological University
- 3. Sponsoring Agency/Ministry : DST, Ministry of Science and Technology
  - 1. Total cost of the project : Rs 2246200/= from DST, MST, Govt. of India
- Nature and Quantum of foreign collaboration sought : As per the proposal from Russian Side
- (i) Financial support : :
- (ii) Equipment support : :
- (iii) Technical support : :
- (iv) Manpower training : :
- 5. Is there any possibility, however remote of use of data, information of result of the work which may impinge on India's national security? If yes, the nature of such a use may be indicated. (In case the concerned scrutinizing Ministry do not have clear answer, the matter should be referred to the DRDO and MHA for examination). : NO.

II. ORIGIN OF THE PROJECT AND ITS SPONSORS :


- 6. If the proposal is foreign-originated, what is the background of the foreign agency or organization which is sponsoring the project? Information available, if any on past collaboration by foreign agency with Indian Institution. : NOT APPLICABLE
- 7. Are the foreign agency, organization, scientists concerned, known to have taken up any project of military significance in the past or are known to be associated with any military organization or project? (if the above information is not known or if there is definite information that there is no such association, these should be clearly indicated). : NO
- 8. Is the proposer (Indian) known to the foreign collaborator and his group for some time and has this emerged naturally from the research work done by the two sides? : YES


### III. FUNDING OF THE PROJECT

9. Is the foreign source known to have : **NOT APPLICABLE**  
funded research into sensitive and  
national security areas in its own  
country or in other countries?
10. Are there reasons to believe that the foreign : **NOT APPLICABLE**  
source is a cover name for some other sponsor?

### IV. ADMINISTRATION AND CONTROL OF THE PROJECT

11. Give a list of the likely places of visit : **IISc Bangalore, IIT Kargapur,**  
within the country planned by the foreign **IIT Kanpur, IIT Roorkee,**  
collaborator. Also give a list of the **IIT Delhi, University of Delhi**  
institutions which the collaborator is likely **CSIO Chandigarh, NPL Delhi**  
to visit.
12. Will any sensitive source material be : **NO**  
referred to during the course of the research?
13. (i) Does the collaboration involve
- a) Transfer of biological material(s) : **NO**
  - b) Use of radioactive materials : **NO**
  - c) Use of environmentally or otherwise : **NO**  
hazardous material(s)
  - d) Use of Genetically Modified Organisms : **NO**
  - e) Field trials or testing : **NO**
  - f) Ethical issues : **NO**
  - g) Issues related to Intellectual Property : **NO**  
Rights (IPR)
14. If answer to any section of question : **NOT APPLICABLE**  
13 is yes, are the investigators/ proposers  
aware of the relevant regulations and have  
they agreed to abide by them?
15. Will the research be conducted in : **YES**  
accordance not only with the country's  
own ethical and environmental standards,  
but with international standards as well?
16. Certified that above information is true to the best of our knowledge

  
Signature of the Project Coordinator

  
Signature of the Head of the Institution

Regional  
Central Technological University  
(Govt. of NCT of Delhi)  
University College of Engg.  
Shaheed Daudpur, Barwala Road  
Delhi-110042



GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
Department of Science & Technology  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

23



Date: 4 February, 2015

Subject: INSPIRE Faculty Award - Offer letter[DST/INSPIRE/04/2014/002540]

Dear Dr. Saurabh Srivastava

Government of India has launched a unique scheme "Innovation in Science Pursuit for Inspired Research(INSPIRE)" with several components. INSPIRE Faculty Scheme is one such component of INSPIRE Programme which offers a contractual research award for carrying out independent research to young achievers. Guidelines of the INSPIRE Faculty scheme and award is available at the website: [www.inspire-dst.gov.in](http://www.inspire-dst.gov.in). Based on your application followed by the due selection process, I am pleased to inform you that you have been selected for INSPIRE Faculty Award.

A compensation matching cost equivalent to that of Assistant Professor of an IIT at the time of entry, along with Rs. 3500000 (@ Rs. 700000/year) of research grant shall be offered to each Awardee. The Faculty Award is tenable for a period of five years from the date of joining the Faculty position. However, each Awardee as well as the Host Institute will be required to sign an 'UNDERTAKING' for implementation of this Faculty Award.

Each awardee will be required to inform DST on acceptance of the Award within 3 months from the date of this offer. This includes finalization of the Host Institute for implementation of this Award and joining at the selected Host Institute. In case Awardee does not inform DST within 3 months, the Award offer shall automatically be forfeited. Please note that the Host Institution shall be other than the Institute/ University/ Laboratory where you have completed your PhD work/degree.

You are requested to take necessary action towards implementing this Award. Towards this the following documents are required to upload at portal ([www.online-inspire.gov.in](http://www.online-inspire.gov.in)), so that necessary funds can be released to Host Institute from our end:

1. Details of Bank Account of the Host Institute (not for individual Awardees)
2. Duly signed 'UNDERTAKING'
3. Break-up on usage of Research Grant @ Rs. 700000 / year for 5 years (year-wise without clubbing)
4. Joining Report (Duly authenticated)

Login-ID and Password used at the time of submission of application shall be used now as well for upload. Without submission of these documents through online, no action would be possible to take at this end.

This issue's with the approval of Secretary DST vide Dy.No.82 dated 01/06/2015. We shall be looking for your responses in this respect.

With Best Regards,

Dr. Pramod Kumar Prasad  
Scientist-B  
INSPIRE Program  
Email: [pramod.prasad@nic.in](mailto:pramod.prasad@nic.in)  
Phone: 011-26590247  
Fax: 011-26602193

To,  
Dr. Saurabh Srivastava[DST/INSPIRE/04/2014/002540]  
201, Daya Nivas, Arazibag, P.O. Sadar  
Azamgarh - 276001  
UTTAR PRADESH.

This is computer generated document and does not require any signature. In case of any discrepancy please contact Program Division.

NO. SB/YS/LS-75/2013  
SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor  
Vasant Square Mall  
Plot No. A, Community Centre  
Sector-5, Pocket-5, Vasant Kunj  
New Delhi-110070  
Dated:04 June, 2015

**ORDER**

Subject :- Financial assistance for the research project entitled "Engineering of actin filaments for the development of the next generation diagnostic nano-devices" by Dr. Saroj Kumar, Department of Biotechnology, Delhi Technological University, Shahbad Daulatpur, Bawana Road, Delhi-110042,.

In partial modification of SERB sanction order no. SB/YS/LS-75/2013 dated 30 October, 2013, Sanction of SERB is here by accorded to the additional provision of Rs. 5,00,000/- (Rs. Five Lakh Only) under 'Manpower(PI Fellowship)' due to the enhancement in the fellowship amount from Rs.35,000/- to Rs. 55,000/- per month w.e.f. 1<sup>st</sup> October, 2014, thereby increasing the total cost from Rs. 24,20,000/- (Rs. Twenty Four Lakh Twenty Thousand Only) to Rs. 29,20,000/- (Rs. Twenty Nine Lakh Twenty Thousand Only) for the implementation of above mentioned project. The revised total allocation for the project will be as under:

HEAD	Original Total Cost	Revised Total Cost
<b>Non-Recurring</b>		
Equipments	Nil	Nil
<b>A Total Non-recurring</b>	Nil	Nil
<b>Recurring</b>		
Recurring-A Manpower(PI Fellowship), Consumables, Travel, Contingency (including analytical charges)	21,20,000	26,20,000
Recurring-B Over Head Charges	3,00,000	3,00,000
<b>B Total Recurring</b>	24,20,000	29,20,000
<b>Total Cost of the Project (A+B)</b>	24,20,000	29,20,000

2. Sanction of the competent authority is also accorded to the carry forward of unspent balance of Rs. 1,30,167/- (Rs. One Lakh Thirty Thousand One Hundred Sixty Seven Only) from 2014-15 financial year to 2015-2016 financial year.

3. Sanction of the Science and Engineering Research Board (SERB) is also accorded to the payment of a sum of Rs.8,50,000 /- (Rs. Eight Lakh Fifty Thousand Only), being the grant for the year 2015-16 for implementation of the above said project.

4. Sanction of the grant is subject to the conditions as detailed in Annexure-I of SERB sanction order No. SB/YS/LS-75/2013 dated 30 October, 2013.

5. The expenditure involved is debitable to

**Fund for Science & Engineering Research(FSER)**

This release is made under Start-Up Research Grant (Young Scientists)- Life Sciences.

6. It is certified that provision of GFR212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC is enclosed herewith.

7. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/756/ 2015-16 dated 27.05.2015.

8. 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.

13857/RG  
11/6/15

627/D-IPD  
10/06/15

DR 10/6

Dean IRD

✓  
IR

Place on main file.

..21..

DA


*[Signature]*

9. The Institute will furnish to the SERB, Utilization Certificate and an audited Statement pertaining to the grant immediately after the end of each financial year.
10. The Institute will maintain separate audit accounts for the Project. It is found expedient part or whole of the grant in a bank account earning interest. The interest earned should be reported to the SERB. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

11. The amount of **Rs. 8,50,000/- (Rs. Eight Lakh Fifty Thousand Only)** will be drawn by the Finance & Budget officer of the SERB and will be disbursed by means of RTGS transaction as per their bank details given below:

Account Name	EAFDNGDND-DST
Account Number	33607640347
Bank Name & Branch	State Bank of India, Delhi College of Engineering, Bawana Road, Delhi
IFSC/RTGS Code	SBIN0010446


12. 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.

  
(Dr. Pramod Kumar Prasad)  
Scientist - C

To,  
Finance & Budget Officer  
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.	Dr. Saroj Kumar Department of Biotechnology Delhi Technological University Shahbad Daulatpur, Bawana Road Delhi- 110042  Email : sarojbiotech@gmail.com, sarojnanobiotech@gmail.com  The grant transfer details along with transaction no. will be intimated to the above email.
5.	Registrar Delhi Technological University Shahbad, Daulatpur Delhi-110042

  
(Dr. Pramod Kumar Prasad)  
Scientist - C

भारत सरकार  
GOVERNMENT OF INDIA  
संचार और सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY  
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी विभाग  
DEPARTMENT OF ELECTRONICS AND INFORMATION TECHNOLOGY  
Website: www.deity.gov.in

24301865  
S.K. Mys 26

संख्या 1(2)/2012-ISEA (Vol. II)  
No.....

दिनांक 27.03.2015  
Date.....

To,

1. The Director, Motilal Nehru National Institute of Technology, Allahabad
2. The Director, Maulana Azad National National Institute of Technology, Bhopal
3. The Director, National Institute of Technology, Durgapur
4. The Director, National Institute of Technology, Hamirpur
5. The Director, Dr. B R Ambedkar National Institute of Technology, Jalandhar
6. The Director, National Institute of Technology, Kurukshetra
7. The Director, Visvesvaraya National Institute of Technology, Nagpur
8. The Director, National Institute of Technology, Patna
9. The Director, National Institute of Technology, Srinagar
10. The Director, ABV Indian Institute of Information Technology and Management, Gwalior
11. The Director, International Institute of Information Technology, Hyderabad
12. The Director, Indian Institute of Information Technology and Management, Thiruvananthapuram
13. The Director, Indian School of Mines, Dhanbad
14. The Principal, College of Engineering, Pune
15. The Principal, College of Engineering, Goa
16. The Principal, Pondicherry Engineering College, Puducherry
17. Vice Chancellor, Delhi Technological University, Delhi

**Subject: Signing of Memorandum of Understanding (MoU) under ISEA Phase II Project**

Sir,

I am directed to inform you that based on the details provided by your institution under the Information Security Education and Awareness (ISEA) Project Phase II, the competent authority has selected your institution to function as Participating Institute (PI) in Category 1 (Type I or II), under the said project. A copy of Administrative Approval issued vide this Department's letter no. 1(2)/2012-ISEA (Vol. II) dated 19.03.2014, 27.08.2014 and 12.02.2015 (copies enclosed) are enclosed herewith for ready reference.

2. As per the Administrative Approval, a Memorandum of Understanding (MoU) has to be signed between your institution and DeitY for implementation of the aforesaid project. It is, therefore, requested to kindly forward the enclosed MoU (Annexure-I) to DeitY, duly signed and stamped by the head of the institution or authorized representative at the earliest, to enable us to take further necessary action on the matter.

3. It is further requested to nominate Chief Investigator (CI) and Co- Chief Investigator for ISEA Project Phase II. The details may be forwarded as per Proforma enclosed (Annexure II) along with the duly signed MoU.

Yours faithfully,

P Victor Albuquerque  
Deputy Director

Tel. - 011-24301386; Fax: 011-24366558-59  
E-mail: p.victor@nic.in

Head CSE: Jha

P. Kumar  
8.4.15



इलेक्ट्रॉनिक्स निकेतन  
6, सी.जी.ओ. कॉम्प्लेक्स  
नई दिल्ली-110003

ELECTRONICS NIKETAN  
6, C.G.O. COMPLEX  
NEW DELHI-110003



A/c closed

69



Government of India  
Department of Atomic Energy (DAE)  
Board of Research in Nuclear Sciences (BRNS)

Dr. Chintamani Das,  
SO(G), P&CD, BARC  
Programme Officer, BRNS  
[prog.bsc@barc.gov.in](mailto:prog.bsc@barc.gov.in)  
[brns.bsc@barc.gov.in](mailto:brns.bsc@barc.gov.in)

BRNS Secretariat, 1<sup>st</sup> Floor, CC  
BARC, Mumbai-400 085  
Phone: 25590485  
FAX: 022-25505151

No.2012/37P/20/BRNS/ 20109

Date: 15/7/15

OFFICE MEMORANDUM

Sub: R/P entitled "External Electric Field Effect on the Photoinduced Charge Transfer Dynamics" under Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University (DTU), Bawana Road, Delhi-110 042 bearing sanction No.2012/37P/20/BRNS with BSC, BRNS.

In continuation of this Department's sanction letter of even number dated 05.07.2013 and on the recommendations of Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval of the President of India for the continuance of captioned project during 2015-16 and sanction to incur an expenditure of ₹6,11,075/- (Rupees Six lakh eleven thousand and seventy five only) as detailed below:-

Item of expenditure	III Year (2015-2016)
#SRF(1)	3,36,000
Consumables	1,00,000
Travel	45,000
Contingency	40,000
Overheads	36,075
*Salary arrears	54,000
Total:	611075

# SRF salary @₹28,000/- p.m. from third year.

\*Staff Salary arrears(JRF) is calculated with effect from 01/10/2014

**Date of Termination of the Project: 31<sup>st</sup> March 2016.**

- The grant remaining unspent under the Head "Equipment", "Consumables" and "Overheads" for the year 2014-15 is allowed to be carried forward to the current financial year 2015-16.

Copy forwarded to:

1. Director of Audit, Scientific Department, AEAP, OYC, CSM Marg, Mumbai - 400 001.
2. Joint Secretary (R&D), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001.
3. Registrar, Delhi Technological University (DTU), Bawana Road, Delhi-110 042
4. \*\*\* Principal Investigator (PC): Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University (DTU), Bawana Road, Delhi-110 042.

- A. In accordance with Rule 30 of the General Financial Rules, this sanction will lapse if no payment in whole or part is made during a period of twelve months from the date of issue of this sanction letter.
- B. Grant for the terminal year will be released in **FULL (unspent balance of previous year and Interest earned will be adjusted)** on receipt of the **CLAIM in duplicate** in prescribed FORM-II for the current financial year, along with the following documents. *The data for these documents are required to be filled online and a printout of the same should be forwarded to the undersigned after obtaining original signatures of the concerned officials.*
  - (a) Utilization Certificate (FORM-III) for the preceding year.
  - (b) Statement of Accounts signed by Internal Auditor/ Accountant of the Institution/ University (FORM-IV) for the preceding year. **Interest earned in previous year should be reflected in the Statement of Accounts.**
  - (c) Copy of appointment order and joining report of the staff appointed for the project along with Minutes of the Selection Committee
  - (d) An inventory of equipment in (Form-V)
- C. Please note that claim(s) shall be submitted to this department well in advance before the end of the financial year in which the claim is due. Otherwise, the sanctioned grant will be lapse.
- D. The balance of Overhead grant shall be released after on receipt of the CLAIM in duplicate in prescribed FORM-II along with the following documents:
  - (1) Consolidated AUDITED Statement of Accounts from a Statutory Auditor (Govt. Auditor) or an External Chartered Accountant for the grant-in-aid paid during the previous years (Form-IV).
  - (2) AUDITED Utilization Certificate to the effect that grant received during the years were utilized for the purpose for which they were sanctioned (Form-III).
  - (3) An inventory of equipment in (Form-V)
  - (4) A Final Consolidated Project Report (2 hard copies, in CD and also to be uploaded online).
- E. Final claim in support of the items listed in para 4(D) (1 to 4) may be submitted along with 2 hard copies and online submission of the Consolidated Report of the project within 6 months from the date of termination of the project. If the claims are not received within the stipulated period, it will be presumed that the Investigator has no further claim, and the file will be closed.

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Government of India  
Department of Atomic Energy  
Board of Research in Nuclear Sciences (BRNS)

BRNS Secretariat,  
First Floor, CC,  
BARC, Mumbai-400 085.

Date: 15/7/15

No.2012/37P/20/BRNS/ 2015

Sub: Forwarding of bill/s to Accounts


Bill No.	Date	Amount	In favour of
37018	04.06.2015	₹391288/-	Registrar, Delhi Technological University (DTU), Bawana Road, Delhi-110 042

Full particulars of the bill/s

1. Deducted unspent balance under the head Staff(80,000), Travel(51,387), contingencies(18,551); and Interest(69,849) Total deductions=2,19,787/-	
2. Allowed to carry forward the unspent balance under the head Equipment(3,15,486) and overheads(10,766)	
Sanctioned amount 2015-16	₹6,11,075/-
Deducted unspent balance	- ₹2,19,787/-
<b>Total</b>	<b>₹3,91,288/-</b>

It is requested that the payment may be made on priority basis and in any case not later than 20 days from the date of receipt in accounts under intimation to BRNS Secretariat.

Encl: Bill/s.

  
4/6/15  
(Dr. Chintamani Das)  
Programme officer, BRNS

ble  
8/7/15  
A/E

Assistant Accounts Officer, Bills-II, DAE

- Copy to: 1. Registrar, Delhi Technological University (DTU), Bawana Road, Delhi-110 042  
2. Principal Investigator (PC): Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University (DTU), Bawana Road, Delhi-110 042.  
3. Member Secretary (BSC) : Dr. Satyanarayan Acharya, APPD, BARC, Mumbai.

6/7/15  
A/E



सत्यमेव जयते

Government of India  
Department of Atomic Energy (DAE)  
Board of Research in Nuclear Sciences (BRNS)

Prof. Sangeeta  
Programme Officer (BSC)

BRNS Secretariat, 1<sup>st</sup> Floor, CC,  
BARC, Trombay, Mumbai-400085  
Phone: 25595179  
FAX: 022-25505151  
e-mail: sangita@barc.gov.in

No.2012/37P/20/BRNS/No 7 65-7

Date:

6 JUN 2012

OFFICE MEMORANDUM

Sub: R/P entitled "External Electric Field Effect on the Photoinduced Charge Transfer Dynamics" under Dr. Mohan Singh Mehata, Department of Applied Physics, Delhi Technological University (DTU), Bawana Road, Delhi-110 042 bearing sanction No.2012/37P/20/BRNS with BSC, BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for three years beginning from financial year 2012-13 with a total grant of ₹17,50,250/- (Rupees seventeen lakh fifty thousand two hundred fifty only) for the project as under:

Item of expenditure	I Year (2012-2013)	II Year (2013-2014)	III Year (2014-2015)
• Equipment	400000	0	0
# JRF/SRF (1)	192000	192000	216000
Consumables	100000	100000	100000
Travel PI	30000	30000	30000
Travel PC	15000	15000	15000
Contingency	30000	30000	40000
\$ Overheads	55275	25275	27075
<b>Total</b>	<b>822275</b>	<b>392275</b>	<b>428075</b>

- Desktop PC, Printer, PMT, Function Generator, Voltage Amplifier, Lock-in-Amplifier.
- # JRF/SRF salary calculated @ Rs.16,000/- p.m. for first two years and on re-designation by Committee in 3<sup>rd</sup> year as SRF @ Rs.18,000/- p.m.
- \$ Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads (₹1,07,625/-) shall be released only on meeting the requirements specified (See Annex-B).



**A. Mukhopadhyay**  
Adviser/ Scientist 'G'  
SERC Division  
Email: tsd@nic.in  
Phone: 011-26602193  
Fax: 011-26602193

912  
सर्वज्ञान संस्थान  
विज्ञान और प्रौद्योगिकी विभाग  
विज्ञान और प्रौद्योगिकी विभाग  
टेक्नोलॉजी भवन, नया महरौली रोड, नई दिल्ली - 110016

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
Department of Science & Technology  
Technology Bhawan, New Mehrauli Road, New Delhi-110016

DST/INSPIRE Faculty Award /2011

11<sup>th</sup> May 2012

**Subject: INSPIRE Faculty Award [IFA-LSBM-14]**

Dear **Dr. Vimal Kishor Singh**

Government of India has launched a unique scheme "**Innovation in Science Pursuit for Inspired Research (INSPIRE)**" with several components. INSPIRE Faculty Scheme is one such component of INSPIRE which offers a contractual research award for carrying out independent research to young achievers. Based on your application followed by the due selection process, I am pleased to inform you that you have been selected for **INSPIRE Faculty Award**. Kindly note that at present all these applications have been considered under "**Direct**" mode only of INSPIRE Faculty Award selection process

A compensation matching cost to the country which is equivalent to that of an Assistant Professor of an IIT at the time of entry along with Rs 35.0 lakh (@ Rs 7L/year) of research grant shall be offered to each Awardee. The Faculty Award is tenable for a period of five years from the date of signing the contract. However, each Awardee as well as the Host Institute will also be required to sign an 'UNDERTAKING' for implementation of this Faculty Award. A copy of the "UNDERTAKING" is enclosed for necessary action at your end.

Each Awardee will be required to inform the DST on the acceptance of the Award within 3 months from the date of receipt of this offer as well as finalization of the host institute where the awardees shall implement the project. Please note that the Host Institution for implementation of this Faculty Award shall preferably be other than the Institute/ University/ Laboratory where you have completed your PhD work/degree. Kindly also note that we would be unable to accept a 'Host Institution' where 'three years exclusions policy' will be applied for considering you in any future faculty positions at that institute.

You are requested to take necessary actions towards implementing this Award and inform us the bank details of the Host Institute i.e. [**Beneficiary Name and Address, Bank Name and Branch Address, Account Number and RTGS/ IFSC Code**], so that necessary funds can be released to the Host Institute from our end.

The detail guidelines of the INSPIRE Faculty Scheme and Award is available at the Website: [www.inspire-dst.gov.in](http://www.inspire-dst.gov.in).

We shall be looking for your responses in this respect.

With best Regards,

Yours sincerely

(A Mukhopadhyay)

To  
**Dr. Vimal Kishor Singh**  
H. No. 243, Sec-15  
Vasundhara  
Ghaziabad, Uttar Pradesh

116

**NO. SR/FT/CS-40/2011**  
**Science and Engineering Research Board**  
**(SERB)**

Technology Bhavan,  
New Mehrauli Road,  
New Delhi - 110016

Dated: 15.06.2012

**ORDER**

Subject :- Financial assistance for the research project entitled "Synthesis, characterization and applications of benziporphodimethene" under the guidance of Dr. Anil Kumar, Assistant Professor, Department of Applied Chemistry, Delhi Technological University, Delhi-110042.

The sanction of the SERB is hereby accorded to the above-mentioned project at a total cost of **Rs. 2650000/- (Rupees Twenty six lakh fifty thousand only)** with break-up of **Rs. 1000000/- (Rupees Ten lakh only)** under Capital head and **Rs. 1650000/- (Rupees Sixteen lakh fifty thousand only)** under General head for a duration of three years. The items of expenditure for which the total allocation of **Rs. 2650000 /-** has been approved for a period of three years, are given below.

**A. Non-recurring (Capital Items)**

(Amount in Rs.)

HEAD	TOTAL
<i>Equipments: UV-Vis spectrophotometer, Computer, Gaussian03 program, Rotary evaporator, Refrigerator, Weighing balance</i>	1000000
<b>Total - Capital</b>	<b>1000000</b>

**B. Recurring Items (General)**

	TOTAL (in Rs.)
<i>General -A (Manpower, Consumables, Travel, Contingencies and Analytical charges)</i>	1260000
<i>General-B: OVERHEADS</i>	
<b>Total (General) (General-A+ General-B)</b>	<b>390000</b>
<b>TOTAL (A+B.)</b>	<b>1650000</b>
	<b>2650000</b>

2. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project etc.

3. The sanction of the SERB is also accorded to the payment of **Rs. 1589000/- (Rupees Fifteen lakh eighty nine thousand only)** (Rs. 1000000/- (Rupees Ten lakh only) under 'Grants for creation of capital assets' and **Rs. 589000 - ( Rupees Five lakh eighty nine thousand only)** under 'Grants-in-aid General') to **The Registrar, Delhi Technological University, Delhi** being the first installment of the grant for the year 2012-13 for implementation of the said research project

4. Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5. The amount of **Rs. 1589000/- (Rupees Fifteen lakh eighty nine thousand only)** will be drawn by the Drawing and Disbursing Officer of the SERB and will be disbursed by means of cheque/DD favouring **The Registrar, Delhi Technological University, Delhi** and will be sent to **The Registrar, Delhi Technological University, Shabbad Daulatpur, Bawana Road, Delhi: 110042**

6. The expenditure involved is debitable to

**Grant-in-aid for the year 2012-13( Plan expenditure-Capital): Rs. 1000000/-**  
&

**Grant-in aid for the year 2012-13 ( Plan expenditure-General): Rs. 589000/-**

7. While providing operational flexibility among various subheads under head : General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. The Sanction has been issued under the powers delegated to the Science and Engineering Research Board and with the concurrence of Programme Coordinator vide sanction number **SERB/F/1547/2012-13 dated 13.06.2012 .**

9. The Institute will furnish to SERB, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

11. The Institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to SERB. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of the grant.

12. As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.


13. As this is the first grant being released for the project, no previous UC is required.

  
(R K Joshi)  
Scientist C

**Copy forwarded for information and necessary action to: -**

*Copy forwarded for information and necessary action to: -*

1. The pay & Accounts officer, Science & Engineering Research Board (SERB), New Delhi.
2. Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, SERB, Cash Section.
3. SERB Secretariat
4. **Dr. Anil Kumar,**  
Assistant Professor,  
Department of Applied Chemistry,  
Delhi Technological University,  
Shahbad Daulatpur, Bawana Road,  
Delhi-110042 (Delhi)
5. **The Registrar,**  
Delhi Technological University,  
Shahbad Daulatpur, Bawana Road,  
Delhi-110042 (Delhi)
6. File Copy – 2 Nos.

  
(R.K. Joshi)  
Scientist -C



**REGISTERED**

**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**  
EXTRAMURAL RESEARCH DIVISION  
CSIR COMPLEX, PUSA, NEW DELHI - 110 012

No. 02(0048)/12/EMR-II  
From : Head, Human Resources Development Group

Dated : 15/05/2012

To  
**DR RAM SINGH**  
DEPT OF APPLIED CHEM  
DELHI TECHNOLOGICAL UNIV  
DELHI 110042 DELHI

Subject : Grants-in-aid for your scheme entitled DESIGN AND SYNTHESIS OF NOVEL IMIDAZOLE AND TRIAZOLE DERIVATIVES AS POTENTIAL ANTI ALZHEIMERIC AGENTS

Sir,

I am directed to refer to your proposal for sanction of CSIR Scheme titled above and to convey the approval of DG CSIR as per the details given below.

I	Duration of the Scheme (from the date of Commencement)	36 Months		
II	Staff	1-RA/7R/1S/2F		
III	Contingency (per annum in ₹)	1st Year : 2,90,000	2nd Year : 2,90,000	3rd Year : 2,90,000
IV	Equipment (lumpsum in ₹)	2,00,000 (LS)		

- The above sanction is subject to review of periodical progress of the project by expert committee.
- DR CSIR has also approved the release of the following grants for the period 01/04/2012 to 31/03/2013

No	Grants	Amount (in ₹)
I	Staff	2,64,000
II	Contingency	2,90,000
III	Equipment	2,00,000
Total :		7,54,000

- Sanction of grants is subject to strict compliance of the terms and conditions enclosed or as may be modified from time to time. Please go through the instructions carefully with regard to subsequent release of grants and your obligations under this sanction. The grant for the 1st installment will be sent through RBI - EFT (Electronic Funds Transfer), to the concerned authority of your institution on receipt of your joining report, Form-A, non-funding certificate and EFT Transaction Request Form and claim bill.

Chargeable to budget head P81102.

Yours faithfully,

*(Signature)*

SECTION OFFICER (EMR-II)

Encl : As

Copy to :-

- Reg. Principal/Director, Delhi Technological Univ, Delhi-110042 along with cheque No. will be sent separately dated \_\_\_\_\_ for Rs \_\_\_\_\_ representing first year's grant for the above scheme. The utilisation of grant is subject to compliance of para-1 of the terms and conditions stated overleaf.
- Sr F&AO (EMR) alongwith FVC for first year's grant.

*(Handwritten initials)*  
15/05

*(Handwritten signature)*  
15/05/12

Conference World Team Notice All the Best for your Bright Future



438

Tel : 2301 7455  
Fax : 2301 7505

**BY REGISTERED POST**

**ARMREB/HEM/2012/145**  
Ministry of Defence  
Defence R&D Organization (HQ)  
Directorate of Armaments  
4<sup>th</sup> Floor, DRDO Bhawan,  
Rajaji Marg, New Delhi - 110 011  
08 Oct 2012


To  
Dr Ram Singh Asst Prof, PI,  
Dept of Applied Chemistry,  
Delhi Technological University,  
Bawana Road, Delhi - 110 042

**Sub: -SANCTION OF PROJCT UNDER GRANT-IN-AID SCHEME OF ARMREB**

Ref:- Our letter of even no. dated 25/07/2012 (copy enclosed)

2. A project entitled "Design and Synthesis of Poly-nitro Mono/Polycyclic Aromatic and Hetero compounds and their studies as Energetic Materials" has been sanctioned vide letter under reference to the Department of Applied Chemistry, DTU, Delhi at a total cost of Rs 12,93,060/- with PDC of 2 years.
3. As requested vide Para 4 of the sanction letter to submit the documents for release of funds. In this connection it is informed that the same has not yet been received by this office. Since funds for the project have been catered during the current year. It is therefore requested to kindly submit the same at the earliest to release 1<sup>st</sup> installment of the project.
4. A copy of the booklet on rules for Grant-in-Aid scheme of AREMREB is enclosed herewith for your perusal for future reference.

Enclos As above.

  
Deputy Director Armaments  
For Secretary ARMREB

Copy to:  
✓ The Registrar,  
Delhi Technological University,  
Shahbad Daulatpur, Main Bawana Road,  
Delhi - 110 042

} For kind information.

881/Reg.  
16/10/12

JR  
10/10/12

12/10

22/10

32-23/SR  
17/10/12

31/9/12  
17/10/12

A.R.(IAD)

A.R.(IAD)  
17/10/12

SR/FTP/PS-039/2011

# Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.

Dated 12.07.2012

**ORDER**

Subject:- Financial assistance for the research project entitled "Development of alternative cathode materials for high energy density lithium ion battery technology" by Dr. Amrish K. Panwar, Department of Applied Physics, Delhi Technological University, Shahabad Daultapur, Bawana Road, Delhi - 110042, Delhi.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 25,00,000/- (Rupees twenty five lakh only) with break-up of Rs. 9,75,000/- under Capital head and Rs. 15,25,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 25,00,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring (Capital Items)</b>	<b>9,75,000/-</b>
1.	Minor Equipment Furnace, Potentiostat, Cell accessories, Hydraulic press, Electronic balance, Computer/Laptop with printer	9,75,000/-
A'	Total Capital	
<b>B</b>	<b>Recurring Items (General)</b>	<b>11,09,000/-</b>
B.1	General A [Manpower (1), Consumables, Travel, Contingencies]	4,16,000/-
B.2	General B (Overhead Charges)	15,25,000/-
B'	Total General (B.1 + B.2)	<b>25,00,000/-</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 9,75,000/- (Rupee nine lakh seventy five thousand only) under 'Grants for creation of capital assets' and Rs. 5,25,000/- (Rupees five lakh twenty five thousand only) under 'Grants-in-aid General' to the Registrar, Delhi Technological University, Delhi - 110042 being the first instalment of the grant for the year 2012-13 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5 The expenditure involved is debitable to  
**Grant-in-aid for the year 2012-13 (Plan Expenditure- Capital) - Rs. 9,75,000/-**

**&**  
**Grant-in-aid for the year 2012-13 (Plan Expenditure- General) - Rs. 5,25,000/-**

This release is being made under OYS Scheme.

6 The sanction has been issued with the approval of the competent authority in SERB vide Dy. No. SERB/F/2084/2012-13 dated 10.07.2012.

- 7 The amount of **Rs. 15,00,000/- (Rupees fifteen lakh only)** meant for both 'Grants-General' and 'Grants for creation of capital assets' will be drawn by the Drawing and Disbursing Officer of the SERB and it will be disbursed by means of cheque/DD favouring to **the Registrar Delhi Technological University, Delhi - 110042, Delhi.**
- 8 The Institute will furnish to the Board, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.
- 9 While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 10 The manpower sanctioned in the project, if any, is co-terminus with the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project
- 11 All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.
- 12 The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.
- 13 As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.
- 14 As this is the first grant being released for the project, no previous U/C is required.

  
(Praveen Kumar S)  
Scientist 'D'


Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi – 110 002.
2. The Drawing and Disbursing Officer, SERB (2 copies).

3. **Dr. Amrish K. Panwar**  
Department of Applied Physics  
Delhi Technological University  
Delhi – 110 042, Delhi

**The Registrar**  
Delhi Technological University  
Delhi – 110 042, Delhi

5. Sanction folder SERB
6. OSD, SERB
7. SERB Secretariat

  
(Praveen Kumar S)  
Scientist 'D'

Science and Engineering Research Board (SERB) Terms & Conditions of the Grant

- 1. Approval of the research proposal and the grant being released is for the specific project sanctioned and should be exclusively spent on the project within the stipulated time. The Institute is not permitted to seek or utilise funds from any other organisation (Government, Semi-Government, Autonomous and Private Bodies) for this research project. Any un-spent balance out of the amount sanctioned must be surrendered to SERB through a crossed Cheque/ Demand Draft drawn in favour of "Fund for Science & Engineering Research".
2. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format (attached) shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 1000/-. The Institute is required to send to SERB a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
3. All the assets acquired from the grant will be the property of Government of India and should not be disposed off or encumbered or utilised for purpose other than those for which the grant had been sanctioned, without the prior sanction of SERB.
4. At the conclusion/ termination of the project, the Government of India will be free to sell or otherwise dispose off the assets which are the property of the Government. The Institute shall render to the Government necessary facilities for arranging the sale of these assets. The Government of India has the discretion to gift the assets to the Institute or transfer them to any other Institute if it is considered appropriate.
5. The Institute/ PI will furnish Annual Progress Report of the work on the project on an yearly basis ((ie. if the date of start of a project is 12.09.97 the first Annual Technical Progress report shall be for the period 12.09.97 to 30.09.98, the next will be from 01.10.98 to 30.09.99 and so on). In addition, SERB may designate Scientist/ Specialist or an Expert Panel to visit the Institute periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the Institute will provide all facilities to the visiting scientist/ specialist or the Expert Panel by way of accommodation etc. at the time of their visit. On completion of the project 5 copies of a final consolidated Project Completion Report (Annexure) on the work done on the project should be sent to the SERB.
6. At the time of seeking further instalment of grant, The Institute/ PI has to furnish the following documents:
a) Utilisation Certificate (UC) and Statement of Expenditure (SE) for the previous financial year (in original or copy if sent earlier);
b) Latest authenticated Statement of Expenditure including Committed Expenditure, for expenditure since 1st April of that financial year till the previous month; and
c) Technical Annual Progress Report, if not sent earlier.
7. Request for specific approval of SERB to carry forward the unutilised grant to the next financial year for utilisation for the same project, should be sent along with SE & UC, after completion of the financial year.

8. The Comptroller & Auditor General of India, at his discretion, shall have the right of access to the books and accounts of the Institute maintained in respect of the grant received from the Government of India.
9. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest thus earned should be reported to SERB and should be reflected in the Statement of Expenditure. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further instalment of grant.
10. The institute will not entrust the implementation of the work for which the grant is being sanctioned to another institution nor will it divert the grant receipts to other institute as assistance. In case the Institute is not in a position to implement or complete the project, it should, forthwith, refund to SERB the entire grant received by it or the balance grant with it.
11. All the personnel including Research personnel appointed under the project, for the full/ part duration of the project, are to be treated as temporary employees and will be governed by the Administrative rules/ service conditions (for leave, TA/DA etc) of the implementing Institute. They are not to be treated as employees of the Government of India and the SERB will have no liability, whatsoever, for the project staff after completion of the project duration.
12. For the expeditious implementation of the research project, the PI will take the assistance of the Institute in the process of selection and appointment of staff and payment to them. Scale and emoluments for the posts not covered under DST's OM are governed by norms prevalent in the implementing Institution or as may be decided in consultation with SERB.
13. SERB reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
14. The project becomes operative with effect from the date on which the Draft/ Cheque is received by the implementing Institution. This date should be intimated by the Institution authorities/ Principal Investigator to SERB. It will, in no case be later than one month after the receipt of the draft/ cheque by the Institute.
15. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to SERB and in consultation with SERB, evolve steps to ensure successful completion of the project, before relieving the PI.
16. Investigators wishing to publish technical/ scientific papers based on the research work done under the project, should acknowledge the assistance received from SERB, indicating the scheme. Investigators are also requested to publish some of the research papers emerging out of the project work in leading Indian Journals.
17. If the results of research are to be legally protected, the results should not be published without action being taken to secure legal protection for the research results.
18. For projects identified to have a distinct potential for generating know-how, in the form of product/ process, that could be protected through patenting, copyrights etc., the PI should carefully follow the "Guidelines/ Instructions for Technology Transfer and Intellectual Property Rights" provided in the Guidelines for Implementing Research Projects booklet issued by the DST. For further information/ clarification on this subject, please contact:  
Advisor - Patent Facilitating Cell, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi - 110 016.  
Tel : 685 9581 and 696 7458; Fax: 686 3866; email : [tifac@nda.vsnl.net.in](mailto:tifac@nda.vsnl.net.in)

C/2

No. SR/FTP/ETA-20/2010  
Science and Engineering Research Board  
(SERB)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110016  
21.02.2012

**ORDER**

**Subject:** Financial assistance for research project under FAST TRACK YOUNG SCIENTIST Scheme entitled "**Modeling and Development of Power Electronics based Controller for Interfacing Renewable Energy Sources to Utility Grid**" by Dr. Alka Singh, Assistt. Prof., Electrical Engineering Department, Delhi Technological University (Formerly DCE), Bawana Road, Delhi-110042 - Release of 1<sup>st</sup> installement.

Sanction of the SERB is hereby accorded to the above mentioned project at a total cost of Rs. 25,58,000/- (Rupees twenty five lakhs fifty eight thousand only) with the break-up of Rs. 15,35,000/- under Capital head and Rs. 10,23,000/- under General head for a duration of 3 years. The items of expenditure for which the total allocation of Rs. 25,58,000/- has been approved for 3 years are given as below:-

Sl No	Head	Total
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
I	Print Equipment: dSpace Software ACE kit 1104, Inverters Semikron made Model No.B61 600/415-35F, DSP Processors TMS320F240/2812/F28335, Power Analyser 3phase Model434/435, Sensors(current LA 55P, LEM & Volta LV 25-600, LEM), Experimental Set-up-3ph loads, isolation transformer, 3ph variac, load capacitor bank, powersupply, variable scientific Meters (Current & Voltage), Current & Voltage Probes, Laptop (Sony with graphic application)	15,35,000/-
A'	<b>Total (Capital)</b>	15,35,000/-
<b>B</b>	<b>Recurring (General Items)</b>	
I	Manpower: Project Asstt.one @Rs. 9000/-pm	4,32,000/-
II	Consumables	45,000/-
III	Contingency	60,000/-
IV	Travel (attending DST meetings)	60,000/-
V	Over Heads	4,26,000/-
B'	<b>Total (General)</b>	10,23,000/-
<b>C</b>	<b>Grand Total (A'+B')</b>	25,58,000/-

S. Sankaranarayanan

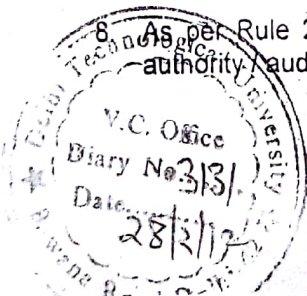
SR

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AR(LRD)

- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
- Sanction of the SERB is also accorded to the payment of Rs. 19,34,00/- (Rupees nineteen lakhs thirty four thousand only) with the break-up of Rs. 15,35,000/- (Rupees fifteen lakhs thirty five thousand only) under the head 'Grants for creation of capital assets' (46.01.35) and Rs. 3,99,000/- (Rupees three lakhs ninety nine thousand only) under head 'Grants-in-aid General (46.01.31)' to the Vice Chancellor, Delhi Technological University (formerly DCE), Bawana Road, Delhi-110042 being the first installment of the grant for the year 2011-12 for implementation of the above said project.
- Sanction of the grant is subject to the conditions as detailed in Annexure-I.
- The amount of Rs. 19,34,00/- (Rupees nineteen lakhs thirty four thousand only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Vice Chancellor, Delhi Technological University (formerly DCE), Bawana Road, Delhi-110042 by means of an A/C payee cheque.
- The Institute will furnish to the SERB Utilization Certificate (U/C) and audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
- All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.


As per Rule 211 GFRs the accounts of the project shall be open to inspection by the sanctioning authority/audit whenever the Institute is called upon to do so.

.....2/-



4616/52  
28/2/12

9. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to the SERB. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of the grant.
10. The Sanction has been issued with the approval of the competent authority under delegated powers and vide sanction number **SERB/F/ 2218 /11-12 dated 21/02/2012.**

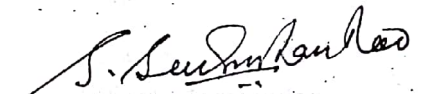
  
(S. SUDERSHAN RAO)  
SCIENTIST-E

To

The Pay & Accounts Officer, Science & Engineering Research Board, (SERB), New Delhi-110016

Copy forwarded for information and necessary action to:-

1. Drawing and Disbursing Officer, Science & Engineering Research Board, (SERB), New Delhi-110016 (2 Copies)
2. SERB Secretariat.
3. File Copy
4. The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor, I.P. Estate, New Delhi-110002
5. The Vice Chancellor, Delhi Technological University (formerly DCE), Bawana Road, Delhi-110042
6. Dr. Alka Singh, Asstt. Prof. Electrical Engineering Department, Delhi Technological University (formerly DCE), Bawana Road, Delhi-110042

  
(S. SUDERSHAN RAO)  
SCIENTIST-E

**Open Source Drug Discovery Unit  
Council of Scientific & Industrial Research  
Anusandhan Bhawan, 2, Rafi Marg, New Delhi-110001**

No.: OSDD/HCP0001/12FYP/2012-13/Fin/2401

Date: 15<sup>th</sup> May 2012

**OFFICE MEMORANDUM**

**Subject: Sanction of funds to Project titled, "Tuberculosis – Genetic Susceptibility and Pharmacogenomics Databases" by Dr. Yasha Hasija, Assistant Professor and Associate Head at Department of Biotechnology, Delhi Technological University**

1. The competent authority is pleased to approve the release of funds under OSDD project to the Project "Tuberculosis – Genetic Susceptibility and Pharmacogenomics Databases" by Principal Investigator (PI), Dr. Yasha Hasija, Assistant Professor and Associate Head at Department of Biotechnology, Delhi Technological University. The components of work and the payment to be made against the same are as under:

Budget Head	Amount (In Rupees)		
	Ist Year (2012-13)	IInd Year (2013-14)	Total (2 Years)
<b>A. Capital</b>			
P2825104 – Computer Equipment	84000	0	84000
<b>Total (A)</b>	<b>84000</b>	<b>0</b>	<b>84000</b>
<b>B. Recurring</b>			
P2814 - Contingencies	100000	100000	200000
P28172 - Other Research Expenditure	499200	499200	998400
<b>Total (B)</b>	<b>599200</b>	<b>599200</b>	<b>1198400</b>
<b>Total (A+B)</b>	<b>683200</b>	<b>599200</b>	<b>1282400</b>

2. A sum of Rs. 6,83,200/- (Rupees Six Lakhs Eighty Three Thousand Two Hundred Only) is hereby released towards the expenditure for the first year (2009-10).
3. Dr. Yasha Hasija will ensure that the results of the experiments are posted online periodically on [www.osdd.net](http://www.osdd.net)
4. With this release the total amount released to Delhi Technological University under this project stands at Rs. 6,83,200/- (Rupees Six Lakhs Eighty Three Thousand Two Hundred Only).

*Gauri Madhav Deshpande*  
15<sup>th</sup> May 2012  
**(Gauri Madhav Deshpande)**  
**Section Officer, OSDD Unit**



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**NO. SR/FT/LS-96/2011**  
**SCIENCE & ENGINEERING RESEARCH BOARD**

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.

Dated: 15<sup>th</sup> May, 2012

**ORDER**

Subject: Financial Sanction of the research project titled "Role of human genetic variations in age related disorders" under the guidance of Dr. (Ms.) Yasha Hasija, Dept. of Biotechnology, Delhi Technological University, Shahbad Daultpur, Main Bawana Road, Delhi-110042 - Release of first grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 15,00,000/- (Rupees Fifteen lakh only) with break-up of Rs. 4,50,000/- under Capital head and Rs. 10,50,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 15,00,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
1	Equipment Workstation, Printer, UPS and Laptop	4,50,000
A'	Total (Capital)	4,50,000
<b>B</b>	<b>Recurring Items (General)</b>	
1	General - A (Manpower, Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	8,00,000
2	General - B (Overhead Charges)	2,50,000
B'	Total (General)	10,50,000
C	Total cost of the project (A' + B')	15,00,000

2. Sanction of the SERB is also accorded to the payment of Rs. 4,50,000/- (Rupees Four lakh fifty thousand only) under 'Grants for creation of Capital assets' and Rs. 3,50,000/- (Rupees Three lakh fifty thousand only) under 'Grants-in-aid -General' to the Delhi Technological University, Delhi being the grant for the year 2012-13 for implementation of the said research project.

3. The expenditure involved is debitable to  
**Grant-in-aid for the year 2012-13 (Plan Expenditure- Capital) - Rs. 4,50,000/-**  
&  
**Grant-in-aid for the year 2012-13 (Plan Expenditure- General) - Rs. 3,50,000/-**

This release is made under OYS Scheme.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/ 786 /2012-13 dated 15-5-2012.

Contd...2/-

Sanction of the grant is subject to the conditions as detailed in Annexure - I.

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 General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. The total release amount of **Rs.8,00,000/- (Rupees Eight lakh only)** will be drawn by the Drawing & Disbursing Officer of the SERB and will be disbursed by means of cheque/DD favoring "**DELHI TECHNOLOGICAL UNIVERSITY, DELHI**" and will be sent to **Registrar, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi-110042.**

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 institute will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

11. 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 etc. beyond the duration of the project,

12. The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a separate bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13. The sanctioned equipments would be procured as per GFR and its disposal would be done with prior approval of SERB.

14. The project File no. **SR/FT/LS-96/2011** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB.**

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

*Jacob*  
(Jacob V.V.)  
Scientist-D

**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	Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, SERB, New Delhi
3	Pay Accounts Officer, SERB, New Delhi
4	Sanction Folder, SERB, New Delhi.
5	File Copy
6	<b>Dr. (Ms.) Yasha Hasija, Dept. of Biotechnology, Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi-110042</b>
	<b>Registrar Delhi Technological University, Shahbad Daultapur, Main Bawana Road, Delhi-110042</b>

*Jacob*  
(Jacob V.V.)  
Scientist-D

4/c

**NO. SB/FT/LS-205/2012**  
**SCIENCE & ENGINEERING RESEARCH BOARD**

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.  
Dated: 26 April, 2013

**ORDER**

Subject: Financial Sanction of the research project titled "Tumor cell induced natural killer cell receptor modulation" under the guidance of Dr.(Ms.) Asmita Das, Deptt. of Biotechnology, Delhi Technological University, Shahbad, Daulatpur, Delhi-110042.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 20,20,000/- (Rs. Twenty Lakh Twenty Thousand Only) with break-up of Rs. 5,90,000/- under Capital head and Rs. 14,30,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 20,20,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
A	<b>Non-recurring (Capital Items)</b>	
1	Equipment CO <sub>2</sub> Incubator, Liquid N <sub>2</sub> Can & accessories	5,90,000
A'	Total (Capital)	5,90,000
B	<b>Recurring Items (General)</b>	
1	General - A (Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	11,30,000
2	General - B (Overhead Charges)	3,00,000
B'	Total (General)	14,30,000
C	Total cost of the project (A' + B')	20,20,000

2. Sanction of the SERB is also accorded to the payment of Rs. 5,90,000/- (Rs. Five Lakh Ninety Thousand Only) under 'Grants for creation of Capital assets' and Rs. 4,10,000/- (Rs. Four Lakh Ten Thousand Only) under 'Grants-in-aid -General' to the REGISTRAR, DELHI TECHNOLOGICAL UNIVERSITY, DELHI being the grant for the year 2013-14 for implementation of the said research project.

3. The expenditure involved is debitable to  
Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 5,90,000/-  
&  
Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 4,10,000/-

This release is made under OYS Scheme.

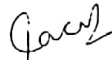
4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/105/2013-14 dated 09.04.2013.

5. Sanction of the grant is subject to the conditions as detailed in guidelines available at [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.

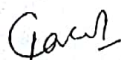
Contd...2/-

7. While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
8. The total release amount of **Rs. 10,00,000/- (Rs.Ten Lakh Only)** will be drawn by the Drawing & Disbursing Officer of the SERB and will be disbursed by means of cheque/DD favoring **"REGISTRAR, DELHI TECHNOLOGICAL UNIVERSITY, DELHI"** and will be sent to Registrar, Delhi Technological University, Shahbad, Daulatpur, Delhi-110042.
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 institute will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.
11. The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a separate bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.
12. The sanctioned equipments would be procured as per GFR and its disposal would be done with prior approval of SERB.
13. The project File no. **SB/FT/LS-205/2012** may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.
14. As this is the first grant being released for the project, no previous U/C is required.

  
(Jacob V.V.)  
Scientist-D

**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	Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, SERB, New Delhi
3	Pay Accounts Officer, SERB, New Delhi
4	Sanction Folder, SERB, New Delhi.
5	File Copy
6	Dr.(Ms.) Asmita Das Deptt. of Biotechnology Delhi Technological University, Shahbad, Daulatpur, Delhi-110042,  (Start date of the project may be intimated by name to the undersigned. Please visit website <a href="http://www.serb.gov.in">www.serb.gov.in</a> for all formats and guidelines etc.)
7	Registrar, Delhi Technological University, Shahbad, Daulatpur, Delhi-110042  (Receipt of Cheque/DD may be intimated by name to the undersigned.)

  
(Jacob V.V.)  
Scientist-D

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**No. SR/FTP/ETA-0074/2011  
Science and Engineering Research Board  
(SERB)**

Technology Bhavan  
New Mehrauli Road  
New Delhi – 110016  
**14.06.2012**

**ORDER**

**Subject:** Financial assistance for research project under FAST TRACK SCHEME FOR YOUNG SCIENTIST entitled "*Development of bioactive nanocomposite films from silk sericin for food packaging*" by Dr. Roli Purwar, Department of Applied Chemistry and Polymer Science, Delhi Technological University, Shahbad Daultapur, Bawana Road, **New Delhi-110042**, Delhi—Release of 1<sup>st</sup> installment.

Sanction of the SERB is hereby accorded to the above mentioned project at a total cost of **Rs. 8,28,000/- (Rupees eight lakhs twenty eight thousand only)** with the break-up of **Rs. 5,70,000/- under Capital head** and **Rs. 2,58,000/- under General head** for a duration of **2 years**. The items of expenditure for which the total allocation of **Rs. 8,28,000/-** has been approved for **2 years** are given as below :-

SI No	Head	(Amount in Rs) Total
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
<b>I</b>	Pmt Equipment: Weighing balance, magnetic stirrer with hot plate, Ultrasonic bath, pH meter, SDS PAGE Gel Electrophoresis Apparatus, High tempt. High pressure dyeing machine, deep freezer	5,70,000/-
<b>A'</b>	<b>Total (Capital)</b>	<b>5,70,000/-</b>
<b>B</b>	<b>Recurring (General Items)</b>	
<b>I</b>	Consumables	
<b>II</b>	Contingency	50,000/-
<b>III</b>	Travel (attending GMW meetings)	40,000/-
<b>IV</b>	Over Heads	30,000/-
<b>B'</b>	<b>Total (General)</b>	<b>1,38,000/-</b>
<b>C</b>	<b>Grand Total (A'+B')</b>	<b>8,28,000/-</b>

2. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
3. Sanction of the SERB is also accorded to the payment of **Rs. 7,00,000/- (Rupees seven lakhs only)** with the break-up of **Rs. 5,70,000/- (Rupees five lakhs seventy thousand only)** under head 'Grants for creation of capital assets' (46.01.35) and **Rs. 1,30,000/- (Rupees one lakh thirty thousand only)** under head 'Grants-in-aid General (46.01.31)' to the Registrar, Delhi Technological University, Shahbad Daultapur, Bawana Road, New Delhi-110042, Delhi being the first installment of grant for the year 2012-13 for implementation of the above said project.
4. Sanction of the grant is subject to the conditions as detailed in Annexure-I.
5. The amount of **Rs. 7,00,000/- (Rupees seven lakhs only)** will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Registrar, Delhi Technological University, Shahbad Daultapur, Bawana Road, New Delhi- 110042, Delhi by means of an A/C payee cheque.
6. The Institute will furnish to the SERB Utilization Certificate (U/C) and audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
7. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

As per Rule 211 GFRs the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

.....2/-

4/e

SR/FTP/PS-203/2011

## Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016

Dated 05.06.2013

ORDER

Subject:- Financial assistance for the research project entitled "Characterization, simulation and equivalent circuit analysis of silicon nanowire transistors for high performance applications in wireless and RF technology" by Dr Rishu Chaujar, Department of Engineering Physics, Delhi Technological University, New Delhi - 110042, Delhi.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 18,60,000/- (Rupees Eighteen lakh sixty thousand only) with break-up of Rs. 5,00,000/- under Capital head and Rs. 13,60,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 18,60,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (In Rs.)
A	<b>Non-recurring (Capital Items)</b>	
1.	Minor Equipment FPGA based reconfigurable I/O platform, baseband transceiver, FPGA module, PXI controller, Computer system	5,00,000/-
A'	<b>Total Capital</b>	5,00,000/-
B.1	General A JRF (One), Consumables, Travel, Contingencies	10,50,000/-
B.2	General B (Overhead Charges)	3,10,000/-
B'	<b>Total General (B.1 + B.2)</b>	13,60,000/-
C	<b>Total cost of the project (A' + B')</b>	18,60,000/-

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 5,00,000/- (Rupees Five lakh only) under 'Grants for creation of capital assets' and Rs. 4,50,000/- (Rupees Four lakh fifty thousand only) under 'Grants-in-aid General' to the Registrar, Delhi Technological University, New Delhi - 110 042, Delhi being the first installment of the grant for the year 2013-14 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5 The expenditure involved is debitable to  
Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 5,00,000/-  
&

Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 4,50,000/-

This release is being made under OYS Scheme.

6 The sanction has been issued with the approval of the competent authority in SERB vide Dy. No. SERB/F/1196/2013-14 dated 03.06.2013.

7 The amount of Rs. 9,50,000/- (Rupees nine lakh fifty thousand only) meant for both 'Grants-in-aid General' and 'Grants for creation of capital assets' will be drawn by the Drawing and Disbursing Officer of the SERB and it will be disbursed by means of cheque/DD favouring to The Registrar, Delhi Technological University, New Delhi – 110 042, Delhi.

8 The Institute will furnish to the Board, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9 While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

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

11 All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

12 The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13 As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

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

  
(Praveen Kumar S)  
Scientist 'D'

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi – 110 002.
2. The Drawing and Disbursing Officer, SERB (2 copies).
3. **Dr Rishu Chaujar**  
Department of Engineering Physics  
Delhi Technological University  
New Delhi – 110 042, Delhi
4. **The Registrar**  
Delhi Technological University  
New Delhi – 110 042, Delhi
5. Sanction folder SERB
6. OSD, SERB
7. SERB Secretariat

  
(Praveen Kumar S)  
Scientist 'D'

**NO. SR/FT/LS-62/2010**  
SCIENCE & ENGINEERING RESEARCH BOARD

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.

Dated: 12 June, 2013

**ORDER**

Subject: Financial Sanction of the research project titled "Identification and Characterization of anti-cancerous and anti-angiogenic biomolecules for colon cancer" under the guidance of Dr. (Ms.) Rashmi K Ambasta, Deptt. of Biotechnology, Delhi Technological University, Shahbad Daultpur, Bawana Road Delhi-110042.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 23,35,000/- (Rs. Twenty Three Lakh Thirty Five Thousand Only) with break-up of Rs. 3,00,000/- under Capital head and Rs. 20,35,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 23,35,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (In-Rs.)
A	Non-recurring (Capital Items)	3,00,000
1	Equipment SDS PAGE Assembly, Immunoblotting apparatus with Power pac	3,00,000
A'	Total (Capital)	
B	Recurring Items (General)	1735000
1	General - A (Manpower (PI Fellowship), Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	300000
2	General - B (Overhead Charges)	20,35,000
B'	Total (General)	23,35,000
C	Total cost of the project (A' + B')	

2. Sanction of the SERB is also accorded to the payment of Rs. 3,00,000/- (Rs. Three Lakh Only) under 'Grants for creation of Capital assets' and Rs. 5,00,000/- (Rs. Five Lakh Only) under 'Grants-in-aid -General' to the REGISTRAR, DELHI TECHNOLOGICAL UNIVERSITY, DELHI being the grant for the year 2013-14 for implementation of the said research project.

3. The expenditure involved is debit to  
Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 3,00,000/-  
&  
Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 5,00,000/-

This release is made under OYS Scheme.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/1527/2013-14 dated 12.06.2013.

7. Sanction of the grant is subject to the conditions as detailed in guidelines available at 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.

Contd...2/-



Prof. S. Indu  
(HOD-ECE)

NO. SR/FT/LS-62/2010  
SCIENCE & ENGINEERING RESEARCH BOARD

18/11  
5 & 5A, Lower Ground Floor  
Vasant Square Mall  
Plot No. A, Community Centre  
Sector-5, Pocket-5, Vasant Kunj  
New Delhi-110070  
Dated: 17 June, 2015

ORDER

Subject :- Financial assistance for the research project entitled "Identification and Characterization of anti-cancerous and anti-angiogenic biomolecules for colon cancer" by Dr. (Ms.) Rashmi K Ambasta, Deptt. of Biotechnology, Delhi Technological University, Shahbad Daulatpur, Bawana Road Delhi-110042.

In partial modification of SERB sanction order no. SR/FT/LS-62/2010 dated 12 June, 2013, Sanction of SERB is here by accorded to the additional provision of Rs. 4,07,333/- (Rs. Four Lakh Seven Thousand Three Hundred Thirty Three Only) under 'Manpower (PI Fellowship)' due to the enhancement in the fellowship amount from Rs. 35,000/- to Rs. 55,000/- per month w.e.f. 1<sup>st</sup> October, 2014, thereby increasing the total cost from Rs. 23,35,000/- (Rs. Twenty Three Lakh Thirty Five Thousand Only) to Rs. 27,42,333/- (Rs. Twenty Seven Lakh Forty Two Thousand Three Hundred Thirty Three Only) for the implementation of above mentioned project. The revised total allocation for the project will be as under:

HEAD	Original Total Cost	Revised Total Cost
<b>Non-Recurring</b>		
Equipments: SDS PAGE Assembly, Immunoblotting apparatus with Power pac	3,00,000	3,00,000
<b>A Total Non-recurring</b>	3,00,000	3,00,000
<b>Recurring</b>		
Recurring-A Manpower (PI Fellowship), Consumables, Travel, Contingency (including analytical charges)	17,35,000	21,42,333
Recurring-B Over Head Charges	3,00,000	3,00,000
<b>B Total Recurring</b>	20,35,000	24,42,333
<b>Total Cost of the Project (A+B)</b>	23,35,000	27,42,333

2. Sanction of the competent authority is also accorded to the carry forward of unspent balance of Rs. 24,043/- (Rs. Twenty Four Thousand Forty Three Only) from 2014-15 financial year to 2015-2016 financial year.

3. Sanction of the Science and Engineering Research Board (SERB) is also accorded to the payment of a sum of Rs. 8,50,000 /- (Rs. Eight Lakh Fifty Thousand Only), being the grant for the year 2015-16 for implementation of the above said project.

4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the SERB website (www.serb.gov.in).

5. The expenditure involved is debitable to

**Fund for Science & Engineering Research (FSER)**

This release is made under Start-Up Research Grant (Young Scientists)- Life Sciences.

6. It is certified that provision of GFR212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC is enclosed herewith.

7. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/1176/2015-16 dated 9.06.2015.

8. 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.



Telegram : BUDGET04  
दूरभाष/Telex : 25762249, 26587373  
2056/134, 26582122 (EPBAX)  
फैक्स/Fax : 26589808, 26884570,  
26883347, 26515837

भारत सरकार  
वित्त और प्रौद्योगिकी मंत्रालय,  
वित्त और प्रौद्योगिकी विभाग,  
टेक्नोलॉजी भवन, महाराली मार्ग,  
नई दिल्ली-110016

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY,  
DEPARTMENT OF SCIENCE AND TECHNOLOGY,  
TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD,  
NEW DELHI-110016

INT/Tunisia/P-04/2013

Date: 19-03-13

ORDER

Sub: - Implementation of Indo-Tunisian Project entitled "Design, Modeling and Characterization of Highly Nonlinear Fibers for All-Optical High Bit-rate Networks" (Indian PI: Dr. Ajeet Kumar, Department of Applied Physics, Delhi Technological University, Delhi and Tunisian PI: Dr. Rim Cherif, University of Tunis El-Manar).

Sanction of the President is hereby accorded for an Indo-Tunisian Joint Project entitled "Design, Modeling and Characterization of Highly Nonlinear Fibers for All-Optical High Bit-rate Networks" under the POC with Tunisian at a total cost of Rs. 13,50,000/- (Rupees Thirteen lakhs fifty thousand only) for a period of three years as under:-

	Items of Expenditure	I Year	II Year	III Year*	Total
A	<u>Visits by Indian Scientist to Tunisia</u>	Rs. 1,50,000/- 2 visits	Rs. 1,50,000/- 2 visits	Rs. 1,50,000/- 2 visits	Rs. 4,50,000/- 6 visits
B	<u>Local Hospitality for Tunisian Scientist to India</u> (20 days each) for Short term visit & 2 months Long term visit	Rs. 1,90,000/- 2 visits	Rs. 1,90,000/- 2 visits	Rs. 1,90,000/- 2 visits	Rs. 5,70,000/- 6 visits
C	Consumables & Accessories	Rs. 1,00,000/-	NIL	NIL	Rs. 1,00,000/-
D	Overhead charges 10% on C	Rs. 10,000/-	Rs. 10,000/-	Rs. 10,000/-	Rs. 30,000/-
	<b>Total</b>	<b>Rs. 4,50,000/-</b>	<b>Rs. 4,50,000/-</b>	<b>Rs. 4,50,000/-</b>	<b>Rs. 13,50,000/-</b>

\* If extension is approved on the basis of performance

2. Sanction of the President is hereby accorded for release of 1<sup>st</sup> installment Rs. 4,50,000/- (Rupees Four lakhs fifty thousand only) to Delhi Technological University, Delhi.

DDO DST will draw the amount of Rs. 4,50,000/- (Rupees Four lakhs Fifty thousand only) and will be disbursed by means of electronic transfer (E-transfer) in favour of Delhi Technological University, Delhi as details given below:-

*CC*

*Am*

Account Holders name/ designation	Delhi Technological University, Registrar, DTU
Name of Bank	State Bank of India, DCE Campus, Bawana Road, Delhi-110042
Bank Account Number	31007885768 (Registrar, DTU Student Fund A/c)
IFSC Code	SBIN0010446
Email	ajeetdph@dce.edu; ajeetdph@gmail.com

3. The expenditure involved is debit to:-
- Demand No. 85-Department of Science and Technology
  - Major Head-3425 B-Other Scientific Research
  - 60 others Minor Head 60.798 International Co-operation S&T Co-operation with other Countries
  - 12.00.31 Grants-in-aid during the current financial year 2012-13(PLAN).
4. The Project will be coordinated by Dr. Ajeet Kumar, Department of Applied Physics, Delhi Technological University, Delhi and Tunisian PI: Dr. Rim Cherif, University of Tunis El-Manar from Indian and Tunisian side respectively and will be presumed to commence from the date of issue of this sanction.
5. Dr. Ajeet Kumar, Department of Applied Physics, Delhi Technological University, Delhi is required to submit technical progress report periodically (at least once in six months) and a final report at the end of project.
6. As and when required, proposal for a visit under the project should be sent to DST at least six weeks prior to the initiation of the visit. The grant for exchange visit is to be operated subject to the condition that the prior approval of this Department would be obtained on all project related visits to be undertaken by the scientists from either side in connection with the implementation of the project on a case to case basis before any expenditure is incurred in this regard. Break up for proposed expenditure on each exchange visit will be calculated broadly as below:
- For Indian Scientist visiting Tunisia** (for an average duration of two weeks)
- International Travel (India to Tunisia by lowest available economy class) Rs. 75,000/- including Medical Insurance (silverclass) and Visa fee
- For Tunisian Scientist visiting India** (For an average duration of 20 days for senior researcher)
- Per diem @ Rs.2,500/- x 20 days for short term visit
  - Accommodation @ Rs. 2,000/- per day x 20 days
- For Tunisian students visiting India** (For an average duration of 2 months)
- Subsistence allowance (including per diem and airport transfers) @ Rs. 25,000/- per month for long term visit
  - Accommodation in Institute guest house on actual basis
7. Local hospitality including cost for the stay of Indian scientists in Tunisia for the total duration is to be met by the receiving side as per the provision of Indo-Tunisian POC.

8. "The institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitted the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant".

9. As per MoF instructions, it has been decided that in all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to their eventual destination, beyond which they may utilize the services of another airline which should also preferable be an alliance partner of Air India.

10. No re-appropriation will be allowed from one item/sub head of expenditure to another item sub head of expenditure and copies of claims may be called by DST if required. This sanction order has been issued in current financial year 2012-13 and is valid upto 31-03-13 only. For incurring any expenditure in next financial year (year 2013-14), PI should apply to DST for carry forward of unspent balance to 2012-13 during April 2013 for seeking carry forward approval/sanction order. Indian Project coordinator should furnish the requisite utilization certificate immediately at the end of the each financial year (ending 31<sup>st</sup> March) along with the audited statement of expenditure and progress report.

11. The account of the grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institution is called upon to do so, as laid down under Rule 211 (i) of General Financial Rules.

12. This issues under the delegated powers to the Minister/Departments and with approval of Integrated Finance Division vide San No100/IFD/8106/2012-13 dated 18.03.2013.

13. This sanction order being 1<sup>st</sup> installment for implementation of this project, no UC/SE is due from the institute against this project at this stage.

13. This sanction order has been noted at Sl. No. .... in Grant register.

(Agusthia Minj)

Under Secretary to the Govt. of India

To,  
The Pay & Accounts Officer, Department of Science & Technology, New Delhi-110016

Copy to:

1. Principal Director of Audit, AGCR Bldg., IP Estate, New Delhi-110002
2. Cash Section (3 copies), DST
3. I.F. Division/Accounts Section, DST
4. Sanction Folder
5. Dr. Ajeet Kumar, Department of Applied Physics, Delhi Technological University, Delhi
6. Registrar, Delhi Technological University, Delhi
7. Account Officer, Delhi Technological University, Delhi
8. Project File

(Agusthia Minj)

Under Secretary to the Govt. of India

BT/IN/DBT-CREST Awards/29/SM/2012-13  
Ministry of Science & Technology  
Department of Biotechnology  
Government of India

Block No.2, 6-8<sup>th</sup> Floors,  
CGO Complex, Lodi Road,  
New Delhi - 110 003  
Dated : 12<sup>th</sup> June, 2013

**ORDER**

Department of Biotechnology, Government of India conveys selection of Dr. Saurabh Mehta, Assistant Professor, Department of Applied Chemistry, Delhi Technological University, Shahbad Daultapur, Bawana Road, Delhi-110 042 for DBT-CREST Award (formerly known as Biotechnology Overseas Associateship) for the year 2012-13. The total amount of award money is details in Para 5 below.

2. **Title of study:** "Comprehensive Structural analysis of Bromodomain epigenetic drug targets for the design of novel selective small molecule drugs".
3. **Host PI and Institution:** Dr. Stephen C. Schurer, University of Miami, Florida, USA.
4. **Period of award:** the period of award will be 12 months.
5. **Amount of award:** the total amount of award money is detailed as under:

S. No.	Head	Total	Total in INR equivalent @ IUSS=Rs. 50.0/-*
a.	Fellowship @ US\$ 3000/- pm for 12 months	US\$ 36000/-	18,00,000/-*
b.	Preparatory allowance	1,00,000/-	1,00,000/-
c.	Travel costs	2,00,000/-	2,00,000/-
<b>Total</b>			<b>Rs. 21,00,000/-</b>

\*Exact amount shall be calculated on the basis of Financial Guidelines (Copy enclosed).

**6. Acceptance of Award:**

Acceptance of DBT-CREST Award is to be conveyed by hard copy & email within one month of receipt of this order along with following document:-

- a. Proforma (Annexure I)
- b. CPSMS details (Annexure II)
- c. ECS details (Annexure III)
- d. Photocopy of 1<sup>st</sup> two and last two pages of passport
- e. Acceptance from host institution
- f. Date of birth certificate


**7. Release of award money:**

- Release of award money is subject to submission of NOC and Service bond (Annexure IV) two months in advance before proposed date of joining the host laboratory.
- Initially award money equivalent to 80% of the total award shall be released towards the **First release**. Balance amount of 20% shall be released / settled on return of the fellow from abroad after submission of following documents :-
  - a) Copy of cost vouchers of air travel

*Saurabh Mehta*

*[Signature]*

- b) Original boarding pass
  - c) Final report duly endorsed by Head of Institution.
  - d) UC/SE( Annexure V & VI )
  - e) Expenditure of preparatory allowance ( Annexure VII )
  - f) Details of travels (Annexure VIII )
- Settlement of award money shall be as per Financial Guidelines. (Annexure IX).
  - Parent institute of fellow shall release Preparatory allowance and travel grant in advance to the fellow on receipt of grant.
  - Fellowship shall be paid to fellow in advance by the parent institute/or on monthly basis through a separate account opened by the fellow for the purpose.
8. **Validity of award:**  
Candidates shall avail fellowship within three months from the date of issue of financial sanction. Candidates are required to intimate change in travel plans to the undersigned and seek necessary permission from DBT.
9. **Commencement of fellowship:** The period of associate ship shall commence from the day of leaving the station/parent institute.
10. The award shall be availed before 31.03.2014.

  
(Dr. Sanjay Kalia)  
Scientist 'C'  
[sanjay.kalia@nic.in](mailto:sanjay.kalia@nic.in)

Copy forwarded for information / necessary action to:

1. Dr. Saurabh Mehta, Assistant Professor, Department of Applied Chemistry, Delhi Technological University, Shahbad Daultpur, Bawana Road, Delhi-110 042.
2. File.

Enclosures: Annexures I to IX.



✓ 12

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
**4<sup>TH</sup> FLOOR, EAST TOWER, N.B.C.C. PLACE, BHISHAM PITAMAH MARG,**  
**PRAGATI VIHAR, NEW DELHI - 110 003**

Ref. No. 9-52/RIFD/MODROB/Policy-1/2013-14

17.07.2013

**The Drawing and Disbursing Officer**  
All India Council for Technical Education  
7<sup>TH</sup> Floor, Chandernagore Building, Janpath,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROBS) for the year 2013-14 payable during the current financial year 2013-14.**


Sir,

I am directed to convey the sanction of the Council for payment of **Rs. 1700000/- (Rupees Seventeen Lakh Only)** for the year 2013-14 under the Modernization and Removal of Obsolescence Scheme (MODROBS) to **DELHI COLLEGE OF ENGINEERING, SHAHBAD DAULATPUR, BAWANA ROAD, NEAR ROHINI SECTOR 17, NORTH WEST DELHI-110042, DELHI** for meeting the expenditure for implementing the Scheme as per details given below:

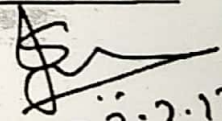
1. Name of the Beneficiary Institution (University / College / Institution) : **DELHI COLLEGE OF ENGINEERING, SHAHBAD DAULATPUR, BAWANA ROAD, NEAR ROHINI SECTOR 17, NORTH WEST DELHI-110042, DELHI.**
2. Chief Coordinator's Name & Deptt. : **Dr. RIZWAN MOHAMMAD DEPTT. OF ELECTRICAL ENGG.**
3. Title of the Project : **MODERNIZATION OF POWER SYSTEM LABORATORY**
4. Grant-in-aid Sanctioned : **Rs. 1700000/- [Rs.1650000/- for non-recurring and Rs. 50000/- for recurring expenditure]**
5. Amount to be released : **Rs. 1700000/- (Being 100% of the recommended amount)**
6. Approved Duration (in years) : **1 Year**

1. The sanctioned grant-in-aid is debitable to the major Head 601.4.a MODROBS grant and is valid for payment during the financial year 2013-14.
2. The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of **THE REGISTRAR, DELHI COLLEGE OF ENGINEERING, SHAHBAD DAULATPUR, BAWANA ROAD, NEAR ROHINI SECTOR 17, NORTH WEST DELHI-110042, DELHI** through RTGS.
3. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. **The Principal / Director / Registrar** shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within 6 months of the receipt of the grant, the approval shall ipso facto lapse.

Contd...2/-

  
22-7-13

4. Each project sanctioned by AICTE is assigned a specific Ref. No. given on the pre-page. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
5. The accounts of the grantee which are liable to be audited by the Council or Comptroller and Audited General of India or by any Officer designated for the purpose.
6. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case the grantee wishes to recast the project, approval of the Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
8. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilize for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education and should at any time the institution cease to function, such assets shall revert to the All India Council for Technical Education.
9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register or assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion.
12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
13. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
14. The grantee shall follow the terms and conditions of Modernization and Removal of Obsolescence (MODROBS) as laid down by the council from time to time.

  
22.7.13

Contd...3/-



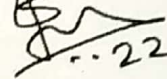
The Grantee shall fully implement the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)

The University / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be superscribed with AICTE project file number.

The funds to the extent are available under the scheme.

The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the Rules and Regulation of the scheme.

Yours Sincerely,



22-7-13

(Shashikant P. Borkar)  
Advisor (RIFD)


Copy forwarded for information and necessary action to:

**THE REGISTRAR,  
DELHI COLLEGE OF ENGINEERING,  
SHAHBAD DAULATPUR,  
BAWANA ROAD, NEAR ROHINI SECTOR 17,  
NORTH WEST DELHI-110042, DELHI.**

2. **Dr. RIZWAN MOHAMMAD ,  
DEPTT OF ELECTRICAL ENGG.,  
DELHI COLLEGE OF ENGINEERING,  
SHAHBAD DAULATPUR,  
BAWANA ROAD, NEAR ROHINI SECTOR 17,  
NORTH WEST DELHI-110042, DELHI.**

3. **Office of Director General of Audit,  
General Revenues,  
AGCR Building, I.P. Estate,  
New Delhi-110 002.**

4. **Guard File**



22-7-13

(Shashikant P. Borkar)  
Advisor (RIFD)

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
4<sup>th</sup> Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road,  
Pragati Vihar, New Delhi-110 003

Ref. No.: 9-52/RIFD/MODROB/Policy-1/2013-14

Name of the Principal  
Investigator & Deptt.

Dr. RIZWAN MOHAMMAD  
: DEPTT. OF ELECTRICAL ENGG.

Name of the Institution

DELHI COLLEGE OF ENGINEERING  
SHAHBAD DAULATPUR  
: BAWANA ROAD, NEAR ROHINI SECTOR  
17, NORTH WEST DELHI-110042, DELHI.

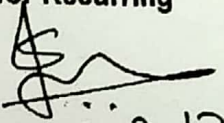
Title of the Project

MODERNIZATION OF POWER SYSTEM  
: LABORATORY

**Approved items for expenditure on purchase of machinery/equipments (Non-Recurring)**

S.No.	Approved Items (As per proposal)
1	Transmission line model with compensation
2	Digital Relays Kits
3	ETAP 11.1

**Total approved amount for Rs. 16.50 Lakhs for Non-recurring + Rs. 0.50 for Recurring  
i.e. total Rs. 1700000/- (Rupees Seventeen Lakh Only).**

  
22.7.13

**(Shashikant P. Borkar)**  
**Advisor (RIFD)**

Minimum Score

Tel: 265688960, 26588895  
FAX : 011-6868662

GRAM : SCIENTIFIC

ref|XM 00288251  
Length=322

INDIAN COUNCIL OF MEDICAL RESEARCH  
ANSARI NAGAR, POST BOX NO. 4911  
NEW DELHI - 110029

GENE ID: 9318627 ARABIDRAFT | hypothetical protein  
[Arabidopsis lyrata] [hyp. lyr.]

File No. 5/3/8/91/GM/2010-RHN  
Dated: 11.07.2012

Score = .102 bits (5%), Expect = 3e-17  
Identities = 63/67 (94%), Gaps = 0/67 (0%)  
Strand=Plus/Plus

Query 8628572 The Registrar TATGTCCTATGGATCCTTGGTATAGAGGTTTAAAGGAACAATTGAGAAAAC TGCCTC 8628631  
Delhi Technological University  
Sbjct 119 Shabad Daulatpur TGGATCCTTGGTATAGAGGTTTAGAGGTACTATTGAGAAAAC TGCCTC 178  
Main Bawana Road,  
Query 8628632 CAATGAA 8628638  
Delhi-110042  
Sbjct 179 CAATGAA 185

**Subject: Sanction of Budget allotment for the ICMR Adhoc New Scheme entitled,**  
"Development and Manufacture of Cost Effective Glucose Biosensor for Clinical  
Diagnostics" under Dr. B.D.Malhotra, Delhi.

Sir,

The Director General of the Council sanctions the above mentioned project with total budget allotment of Rs. 1,45,71,076/- for a duration of 3 years (details in Annexure-I). Details of the first year budget w.e.f 1.8.2012 alongwith 1st installment are provided in Annexure-2.

The grant-in-aid will be given subject to the following conditions.

1. The payment of the grant will be made in two installments in the name of Head of the Institute. The first installment of the grant will be paid generally as soon as report regarding the commencement of the project and appointment of the staff is received by the Council. The demand for payment of the subsequent installment of the grant should be placed with the Council in advance.
2. The staff appointed on the project should be paid as indicated in the attached budget statement.
3. The approved duration of the research scheme is 2 years. The annual extension will be given after review of the work done on the research scheme during the previous year.

D  
25/7/12  
Dean (FRD)  
AR (SRD)

JR  
24/7/12  
JR (Admn)

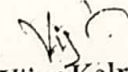
Syng  
27.7.12  
Prof B D Malhotra

1786/JR  
26/7/12

4. Five copies of the annual progress report of work done be submitted to the Council every year after completion of ten months of the project. Failure to submit the report in-time may lead to termination of the project.
5. The Institute will maintain a separate account of the receipts and the expenditure incurred on the research scheme and will furnish an utilization certificate and an audited statement of the account pertaining to the grant.
6. The other terms and conditions are indicated in Annexure-1.

The receipt of this letter may please be acknowledged.

Yours faithfully,

  
(Vijay Kalra)  
Admn. Officer  
for Director General

Copy together with a copy of the budget statement forwarded for information to:

1. Dr. B.D. Maihotra, Professor, Deptt. Of Biotechnology, Delhi Technological University, Shabad Daulatpur, Main Bawana Road, Delhi-110042.
2. Copy together with two copies of the budget statement forwarded to Accounts Section-V, ICMR for information and necessary action. The expenditure on the account may be met from the provision made under head E-a research ad-hoc scheme on grant-in-aid basis in the budget of the Council for the financial year 2012-2013
3. Copy together with two copies of the budget statement forwarded to budget section (Finance) ICMR for completion of the Council's budget.
4. IRIS cell, ICMR, ID.No ID No. 2010-12710

RFC No. RHN/ADHOC/5/2012-2013 dated 27.6.2012

for Director General

**Annexure - II**

File No. 5/3/8/91/GM//2010-RHN      Date of start: 1.8.2012    Duration: Two Years /

IRIS ID No. ICMR, . 2010-12710      RFC No. RHN/ADHOC/5/2012-2013 dated 27.6.2012

ICMR Adhoc New Scheme entitled, "Development and Manufacture of Cost Effective Glucose Biosensor for Clinical Diagnostics" under Dr. B.D.Malhotra, Professor, Deptt. Of Biotechnology, Delhi Technological University, Shabad Daulatpur, Main Bawana Road, Delhi-110042.

**BUDGET ESTIMATE (1st Year)**  
1.8.2012 to 31.7.2013

SNo	Head	1 <sup>st</sup> year (Lakhs)	6months 1st Instt. 1.8.2012 to 31.1.2013
Staff-I	Research Associate: (4) @ Rs.23,000/-P.M+30% HRA=Rs.29,000/-P.M	14,35,200	7,17,600
	Skilled Lab attendants (2) @Rs. 11,581/-P.M	2,77,944	1,38,972
II	Cont.(Recurring)		
	Consumables 4Glucose oxidase, PVC strips, Deionized water, reagents, buffers, silver-silver oxide Electrodes, platinum electrodes, reference electrodes reagents and glucose test kits etc.	5,00,000	2,50,000
	Contingency Biochemical's electronic components and for outsourcing of various works to be undertaken under this project.	2,00,000	1,00,000
	<b>Sub Total</b>	<b>24,13,144</b>	<b>12,06,572</b>
III	Overhead Charges @ 3%	72,394	36,197
IV	Cont.(Non-Recurring)		
	✓ Equipments		
	✓ i) Surface Plasmon Resonance (SPR) Spectrometer	74,00,000	.....
	✓ ii) Screen Printer	8,00,000	-----
	✓ iii) Water Purification System	4,00,000	-----
	✓ iv) Electronic components:	3,00,000	-----
	✓ i) Oscilloscope	3,00,000	-----
	✓ ii) Function Generator	2,00,000	-----
		1,00,000	50,000
V	Travel	1,19,85,538	12,92,769
	<b>Grand Total</b>		

केनरा बैंक  
Payee's Account Only

साउथ एक्सटेंशन, नई दिल्ली - 110049  
SOUTH EXTENSION, NEW DELHI - 110049

चाखा | CA

07082013

2012 MOZS - IFSC - CNRB000267 1292770200 D D M M Y Y Y Y

UNDER RS

Pay Registrar, Delhi Technological Univ, Delhi

या धारक को Or Bearer

रुपये Rupees Twelve lakh ninety two thousand seven hundred and sixty nine only.

अदा करें। ₹ 12,92,769.00

ब्रांच नं०  
A/c No.

0267201011865

भारतीय आयुर्विज्ञान अनुसंधान परिषद्  
Indian Council of Medical Research  
लेखा / प्रशा० अधि० (लेखा और वरि०)  
ACO / AO (ACS & Fin.....  
वरि० प्रशा० / वरि० लेखा अधिकारी  
Sr. AO / Sr. ACO

*[Signature]*  
*[Signature]*

Please Sign above

Valid for three months only from the date of instrument

⑈ 299604 ⑈ 1100150311⑈

11

केनरा बैंक  Canara Bank  
Payee's Account Only

साउथ एक्सटेंशन, नई दिल्ली - 110049  
SOUTH EXTENSION, NEW DELHI - 110049  
2012 MCCZS IFSC - CNRB0000267

चाखा | CA  
0 8 0 8 2 0 1 3  
D D M M Y Y Y Y

Pay Registrar, Delhi Technological Univ, Delhi

रुपये Rupees Twelve lakh ninety two thousand seven hundred and sixty  
nine only.

अदा करें। ₹ 12,92,769.00

अकाउंट नं.  
Ac No.

0267201011865

भारतीय आयुर्विज्ञान अनुसंधान परिषद्  
Indian Council of Medical Research  
लेखा / प्रशा. अधि. (लेखा अधि. विन.)  
ACO / AO (A/C S & Fin.)  
वरि. प्रशा. / वरि. लेखा अधिकारी  
Sr. AO / Sr. ACO

*Dr. Jagdish*  
*Sharma*

Please Sign above

Valid for three months only from the date of instrument

⑈ 299700⑈ 1100150311⑈ 11

No. SB/FTP/ETA-182/2013  
Science and Engineering Research Board  
(SERB)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110016  
03.09.2013

**ORDER**

**Subject:** Financial assistance for research project under Start-Up Research Grant (Young Scientists) entitled "Modelling and development of Controller for PV System Integration into Electricity Distribution Networks" by Dr. Mohammad Rizwan, Asstt. Prof, Department of Electrical Engineering, Delhi Technological University, Shahbad Daulatpur, Bawana Road Delhi-110042 -Release of 1<sup>st</sup> installment.

Sanction of the SERB is hereby accorded to the above mentioned project at a total cost of Rs. 26,60,000/- (Rupees twenty six lakhs sixty thousand only) with the break-up of Rs. 19,40,000/- under Capital head and Rs. 7,20,000/- under General head for a duration of 3 years. The items of expenditure for which the total allocation of Rs. 26,60,000/- has been approved for 3 years are given as below :-

Sl No	Head	Total
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
I	Pmt Equipment: 5 KW PV system, dSPACE (ACE KIT 1104), PQ analyzer, Isolation transformer, Laptop, Printer. (Rest cost if any may be met by the Institute from overheads.)	19,40,000/-
<b>A'</b>	<b>Total (Capital)</b>	<b>19,40,000/-</b>
<b>B</b>	<b>Recurring (General Items)</b>	
I	Consumables	3,00,000/-
II	Contingency	60,000/-
III	Travel (attending GMW meetings)	60,000/-
IV	Over Heads	3,00,000/-
<b>B'</b>	<b>Total (General)</b>	<b>7,20,000/-</b>
<b>C</b>	<b>Grand Total (A'+B')</b>	<b>26,60,000/-</b>


*S. Suresh Kumar*

2. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
3. Sanction of the SERB is also accorded to the payment of Rs. 23,30,000/- (Rupees twenty three lakhs thirty thousand only) with the break-up of Rs. 19,40,000/- (Rupees nineteen lakhs forty thousand only) under head 'Grants for creation of capital assets' (46.01.35) and Rs. 3,90,000/- (Rupees three lakhs ninety thousand only) under head 'Grants-in-aid General (46.01.31)' to the Registrar, Delhi Technological University, Delhi-110042 being the first installment of grant for the year 2013-14 for implementation of the above said project.
4. Sanction of the grant is subject to the conditions as detailed in Annexure-I.
5. The amount of Rs. 23,30,000/- (Rupees twenty three lakhs thirty thousand only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Registrar, Delhi Technological University, Delhi-110042 by means of an A/C payee cheque.
6. The Institute will furnish to the SERB Utilization Certificate (U/C) and audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
7. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.
8. As per Rule 211 GFRs the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

.....2/-




9. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to the SERB. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of the grant.
10. The Sanction has been issued with the approval of the competent authority under delegated powers and vide sanction number SERB/F/ 3442 /2013-2014 dated 03/09/2013.

  
(S. SUDERSHAN RAO)  
SCIENTIST-E

To  
The Pay & Accounts Officer, Science & Engineering Research Board, (SERB),  
New Delhi-110016

Copy forwarded for information and necessary action to:-

1. Drawing and Disbursing Officer, Science & Engineering Research Board, (SERB), New Delhi-110016 (2 Copies)
2. SERB Secretariat.
3. File Copy
4. The Principal Director of Audit, A.G.C.R. Building, 11rd Floor, I.P. Estate, New Delhi-110002
5. The Registrar,  
Delhi Technological University,  
Shahbad Daulatpur, Bawana Road,  
Delhi - 110042
6. Dr. Mohammad Rizwan, Asstt. Prof,  
Department of Electrical Engineering  
Delhi Technological University,  
Shahbad Daulatpur, Bawana Road,  
Delhi - 110042

  
(S. SUDERSHAN RAO)  
SCIENTIST-E

SR/FTP/PS-032/2012  
**Science and Engineering Research Board**  
 (A Statutory Body under Department of Science and Technology)

27/c

Technology Bhavan  
 New Mehrauli Road  
 New Delhi - 110 016

Dated 05.08.2013

**ORDER**

Subject: Financial assistance for the research project entitled "*Specially large-mode-area rectangular waveguides and fibers for high power applications*" by Dr Ajeet Kumar, Department of Applied Physics, Delhi Technological University, Delhi - 110 042.

19/13

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 25,30,000/- (Rupees twenty five lakh thirty thousand only) with break-up of Rs. 12,00,000/- under Capital head and Rs. 13,30,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 25,30,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
A	<b>Non-recurring (Capital Items)</b>	
1.	Minor Equipment softwares (Rsoft and RP photonics/photon) and laptop	12,00,000/-
A'	<b>Total Capital</b>	12,00,000/-
B	<b>Recurring Items (General)</b>	
B.1	General A JRF (One), Travel, Contingencies	9,09,000/-
B.2	General B (Overhead Charges)	4,21,000/-
B'	<b>Total General (B.1 + B.2)</b>	13,30,000/-
C	<b>Total cost of the project (A' + B')</b>	25,30,000/-

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 12,00,000/- (Rupees twelve lakh only) under 'Grants for creation of capital assets' and Rs. 4,40,000/- (Rupees four lakh forty thousand only) under 'Grants-in-aid General' to the Registrar, Delhi Technological University, Delhi - 110 042, Delhi being the first installment of the grant for the year 2013-14 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5 The expenditure involved is debitable to  
 Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 12,00,000/-  
 &  
 Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 4,40,000/-

This release is being made under OYS Scheme.

The sanction has been issued with the approval of the competent authority in SERB vide Dy. No. SERB/F/2360/2013-14 dated 22.07.2013.

Form  
 19/13

Dem/RSD

3/9/13  
 HOD (Applied Phys)

223/Dean-1RD  
 3/9/13



Dr. Pramod Kumar Prasad  
Scientist 'B'  
INSPIRE Program  
Email: [pramod.prasad@nic.in](mailto:pramod.prasad@nic.in)  
Phone: 011-26590247  
Fax: 011-26602193

भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
विज्ञान और प्रौद्योगिकी विभाग  
टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली - 110016

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
Department of Science & Technology  
Technology Bhawan, New Mehrauli Road, New Delhi-110016

DST/INSPIRE Faculty Award /2013

1<sup>st</sup> August 2013

**Subject: INSPIRE Faculty Award [IFA-13-CH-105]**

Dear Dr. Jay Singh

Government of India has launched a unique scheme "Innovation in Science Pursuit for Inspired Research (INSPIRE)" with several components. INSPIRE Faculty Scheme is one such component of INSPIRE which offers a contractual research award for carrying out independent research to young achievers. Guidelines of the INSPIRE Faculty Scheme and Award is available at the website: [www.inspire-dst.gov.in](http://www.inspire-dst.gov.in). Based on your application followed by the due selection process, I am pleased to inform you that you have been selected for INSPIRE Faculty Award.

A compensation matching cost equivalent to that of Assistant Professor of an IIT at the time of entry, along with Rs.35.0 lakh (@ Rs.7L/year) of research grant shall be offered to each Awardee. The Faculty Award is tenable for a period of five years from the date of joining the Faculty position. However, each Awardee as well as the Host Institute will be required to sign an 'UNDERTAKING' for implementation of this Faculty Award. A copy of the 'UNDERTAKING' is enclosed for necessary action at your end.

Each Awardee will be required to inform DST on acceptance of the Award within 3 months from the date of this offer as well as finalization of the host institute where the awardees shall implement the project. Please note that the Host Institution shall preferably be other than the Institute/ University/ Laboratory where you have completed your PhD work/degree. We would also be unable to accept a 'Host Institution' where three years exclusions policy will be applied for considering you in any future faculty positions.

You are requested to take necessary action towards implementing this Award and inform us the bank details of the Host Institute i.e. [Beneficiary Name and Address, Bank Name and Branch Address, Account Number and RTGS/ IFSC Code], along with proposal for year-wise utilization of Research Grant on the respective budget heads as indicated in the 'UNDERTAKING' so that necessary funds can be released to the Host Institute from our end.

This issue's with the approval of Secretary DST vide Dy.No.4517 dated 18-07-2013. We shall be looking for your responses in this respect.

With Best Regards,

Yours sincerely

  
(Pramod Kumar Prasad)

To  
Dr. Jay Singh  
Information Display Lab  
Building No. 9, R. No. 107  
Chonbuk National University  
Deokjin-dong 1 ga  
Deokjin-gu, Jeonju, Jeonbuk-561756  
South Korea

## INSPIRE FACULTY AWARD -- UNDERTAKING FOR IMPLEMENTATION BY THE AWARDEE

The Department of Science and Technology, Government of India, has launched the "Innovation in Science Pursuit for Inspired Research (INSPIRE)" (<http://www.inspire-dst.gov.in>) program in December 2008. One of the sub-Scheme i.e. INSPIRE Faculty Award has been designed to provide 5 years contractual research award to young achievers for independent research and emerge as a leader in future science & technology.

Each INSPIRE Faculty Award shall be required to comply the following Terms & Conditions for implementation of the Award by the Awardee during 5 years period:

- The INSPIRE Faculty Award is generally required to be implemented at any recognized Institute/ University/ Laboratory in the country other than the Institute/ University/ Laboratory where the candidate has completed his/her PhD degree. However, in case the candidate wants to implement the Award at the same place, specific justification and firm commitment from the host institute towards development of the Awardee as an independent investigator should be clearly indicated and it will be decided case by case basis.
- The INSPIRE Faculty Award is tenable for a maximum period of 5 (five) years and no further extension will be given as per existing rules. However, one can not avail two fellowships concurrently during the tenure of this Award.
- Each Awardee shall receive compensation of Rs. 80,000/- per month with 3.3% increment every year which is equivalent to that of an Assistant Professor of an IIT at the time of entry along with Rs 35 lakh (@Rs 7 lakh per year) of Research Grant for 5 years.
- When an Awardee finds a permanent position during the Award tenure of 5 years, the Award amount shall be discontinued from the day the Awardee joins the permanent position. But the Awardee may continue with the INSPIRE Faculty Scheme availing only the Research Grant for the balance period to carry out research at the new position.
- Awardee shall be eligible to undertake short-term visit at any national or international Laboratory/ University/ Institute for further exposure and training to carry out research activities up to a maximum period of 18 months either in one or multiple slots during 5 years of Award tenure. However, this period will be treated as part of the Award period and it can be availed only after one year of positioning at the Host Institute.
- Awardee is eligible to apply for any competitive grant from all funding agencies during the tenure of the INSPIRE Faculty position.
- Awardee shall be required to submit Annual Progress Report to DST- Indian National Science Academy (INSA) INSPIRE Cell. Performance evaluation at the end of two (2) and 4 (four) years shall be done on the progress of research achieved by a national level Expert Committee and further continuation of support to each Awardee shall depend upon the performance assessment by the Committee.
- Awardee will be allowed to take Research Staff out of Research Grant support during the Award tenure of 5 years and in the event of getting employment elsewhere other than the present Host Institute, the Awardee shall also be allowed to take the research student along with him/her to new place within the country.
- The Research Grant of Rs 35 lakh for 5 years @ Rs 7 lakh per year shall be bifurcated into three broad budget heads with the following Breaks up:

contd: 2

- Salary (Including Research Staff Cost, Travel, Consumables & Contingencies) - 60%
- Capital Equipment - 35%
- Overhead - 5%

However, Travel and Contingencies would be limited to 10% each.

Each Awardee needs to provide proposal with detailed break up as above for utilization of Research Grant to DST-INSPIRE. Awardee/ Host Institution needs to adhere the approved break up for entire period of 5 years.

- > Host Institutions should be encouraged to provide a congenial atmosphere for the awardees to excel in their work, and may view them as potential assets for faculty development.
- > The candidate is free to apply for any permanent position elsewhere or at his/her Host Institute that may be or become available at any time during the 5 years period and the Host Institute may like to consider the candidate for any faculty/scientist position that may become available during the tenure of Faculty Award.
- > Host Institute shall provide access to all common infrastructural facilities including equipments, computational facility and library, acceptable laboratory and office space during the tenure of the Award.
- > Host Institute assumes to undertake the financial and other management responsibilities for implementation of the INSPIRE Faculty Award for 5 years on behalf of the Awardee and shall be responsible for all accounting purposes with the DST-INSPIRE Program. Host Institute will be required to provide Financial Statements every year to consider releasing next installment to Awardee.

**DECLARATION:**

I, Jay Singh have read the aforesaid Terms and Conditions for implementation of the INSPIRE Faculty Award at 19.09.2013 in next 5 years period and undertake that I agree and shall comply with these Terms and Conditions during the course of 5 years period for implementing this Award offer by me.

*Jay Singh*

Signature by the Awardee with Date

*[Signature]*

Signature of the Authority  
from the Host Institute with Date & Seal  
Delhi Technological University  
(Estd. By Govt. of N.C.T. of Delhi)  
Shalibaz Daulatpur, Bawana Road  
Delhi-110042

[\* Registrar or Vice-Chancellor or Director of the University / Institute]

*[Signature]*



Dr. Jagdish Chander  
Scientist - F  
TEL: 00-91-11-40000307, 40000343  
FAX: 00-91-11-40000393  
E-mail: [jchander@nic.in](mailto:jchander@nic.in)

भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
विज्ञान और प्रौद्योगिकी विभाग  
टेक्नोलॉजी भवन, नया महरौली मार्ग  
नई दिल्ली-110 016

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD  
NEW DELHI-110 016

D.O. No.

INT/PORTUGAL/P-13/2013

Dated ..... October 28, 2013  
31

Dear Dr. Tyagi,

I am pleased to inform you that your project entitled 'Transparent Electrodes For Organic Light Emitting Diodes and Photovoltaics' has been recommended for support with the number of exchange visits limited to one reciprocal visit every year. Out of these 3 visits, 2 visits of 7 days duration each would be undertaken by the principal investigators and one visit of 30 days duration by a research scholar/young researcher in the entire course of 3 year duration of the project.

In order to issue formal sanction of the project, we request you to kindly send us the administrative and security/sensitivity clearance from your parent organization (Ministry/Department). In case of Universities/Academic organization, the PIs should organise such clearance from concerned authority in their university/institute. We would also require information in the attached checklist and budget estimates from you (in a separate sheet). Budget details (with proper justification) may be worked out as following:

- **Visit of Indian scientists to Portugal**
  - Air fare by shortest route by excursion class on international sector (indicate sector)
  - Domestic travel as per entitlement (indicate sector)
  - Overseas Medical Insurance, Visa fee
- **Visit of Portuguese scientists to India (visit restricted to the arrival city and city of the Indian Project coordinator with the exception wherever field visits are separately approved)**
  - Internal travel in India (preferably by air up to nearest airport, then by train (II AC)/car.
  - Accommodation (including transit, if any)
  - Per diem @ Rs.1,000/- per day

Since the project is only visit based, no grant under equipment, consumables, manpower etc. would be sanctioned. This should be kept in mind while filling details under serial no.4 in the checklist. Kindly acknowledge the receipt of this letter. An early reply would be highly appreciated.

With kind regards,

Yours sincerely,

  
(Jagdish Chander)

Dr. Pawan Kumar Tyagi  
Department of Applied Physics,  
Delhi Technological University Formerly Delhi College of Engineering, Shahabad, Daulatpur, Bawana Road,  
New Delhi - 110042

35/C

Dated 19.06.2014

**ORDER**

Sanction of the President is hereby accorded for incurring an expenditure not exceeding Rs. 5,29,000/- (five lakh twenty nine thousand only) in connection with the implementation of Indo-Portugal Joint research project under the co-operation in Science & Technology entitled "Graphene-based Flexible, Transparent Electrodes for Organic Light Emitting Diodes and Photovoltaics, to be implemented by Indian P.I. Dr. Pawan Kumar Tyagi, Department of Applied Physics, Delhi Technological University, New Delhi in collaboration with Portuguese counterpart Dr. M. K. Singh, Centre for Mechanical Technology and Automation, University of Aveiro, Portugal for a total duration of three years from the date of receipt of initial grant.

2. As per financial terms agreed by both sides, the sending side will pay the International transportation cost and the receiving side would provide the local hospitality of the visiting Scientists under the project. The break-up of approved expenditure is as indicated below and no reappropriation (from one budget head to the other) shall be allowed under this project

Sl.No.	Budget Head	1 <sup>st</sup> yr PI(7days)	2 <sup>nd</sup> yr Student(30days)	3 <sup>rd</sup> yr. PI(7days)	Total 3(44days)
1.	Number of visits (one every year)				
2.	Air Fare Int'l air travel (shortest route) by lowest Economy class (to & fro) for visit of Indian participants to Portugal including Domestic travel in India, Silver class medical insurance and visa fee @ Rs. 1,00,000/- per visit	1,00,000	1,00,000	1,00,000	3,00,000
3.	Accommodation charges for Portuguese Scientists @Rs. 2,500/- per day	17,500	75,000	17,500	1,10,000
4.	Living allowance (per diem) for Portuguese Scientists @Rs. 1,000/- per day	7,000	30,000	7,000	44,000
5.	Consumables and Contingencies	15,000	15,000	15,000	45,000
6.	Local Travel for Portuguese participants	10,000	10,000	10,000	30,000
7.	<b>Total :- (2+3+4+5+6)</b>	<b>1,49,500</b>	<b>2,30,000</b>	<b>1,49,500</b>	<b>5,29,000</b>

3. Sanction of the President is also accorded for release of initial grant of Rs. 1,49,500/- (Rupees one lakhs forty nine thousand five hundred only) and the payment of this amount may be made to DDO, DST by means of electronic transfer(E-transfer) for the account of Registrar, Delhi Technological University, Delhi

- Name/Designation of account holder : Registrar, Delhi Technological University, Bawana Road, Delhi  
 - Bank Account No. : 31007885768 (Saving A/c)  
 - Name of Bank & Address : State Bank of India, SBI, DCE Campus, Bawana Road, Delhi,  
 - IFSC Code : SBIN0010446  
 - MICR Code : 110002438

4. As per MOF instructions dated 13.07.2009 all cases of air travel both domestic and international, the officials may travel only by Air India. For travel to stations not connected by Air India the officials may travel by Air India to the Hub/Point closest to their eventual destination, beyond which they may utilize the services of another airline which should also preferably be an alliance partner of Air India.

5. All project related visits to be undertaken by the scientists from either side in connection with the implementation of the project shall require prior approval from this Department separately on a case to case basis before any expenditure is incurred in this regard.



Contd. . . P/2

# Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016

Dated 07.10.2013

## ORDER

Subject:- Financial assistance for the research project entitled "Synthesis of structural defects free single layer graphene for applications in nanoelectronic devices" by Dr Pawan Kumar Tyagi, Department of Applied Physics, Delhi Technological University, Shahabad, Delhi - 110 042.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 27,10,000/- (Rupees twenty seven lakh ten thousand only) with break-up of Rs. 11,00,000/- under Capital head and Rs. 16,10,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 27,10,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
A	<b>Non-recurring (Capital Items)</b>	11,00,000/-
1.	Minor Equipment Hot wire CVD system, pyrometer	11,00,000/-
A'	Total Capital	
B	<b>Recurring Items (General)</b>	11,59,000/-
B.1	General A JRF (1), Consumables, Travel, Contingencies	4,51,000/-
B.2	General B (Overhead Charges)	16,10,000/-
B'	Total General (B.1 + B.2)	27,10,000/-
C	<b>Total cost of the project (A' + B')</b>	

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 11,00,000/- (Rupees eleven lakh only) under 'Grants for creation of capital assets' and Rs. 5,30,000/- (Rupees Five lakh thirty thousand only) under 'Grants-in-aid General' to the Registrar, Delhi Technological University, Shahabad, Delhi - 110 042 being the first installment of the grant for the year 2013-14 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5 The expenditure involved is debit to  
Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 11,00,000/-

&  
Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 5,30,000/-

This release is being made under OYS Scheme.

6 The sanction has been issued with the approval of the competent authority in SE FIB vide  
Dy. No. SERB/F/4305/2013-14 dated 04.10.2013.



7 The amount of Rs. 16,30,000/- (Rupees sixteen lakh thirty thousand only) meant for both 'Grants-in-aid General' and 'Grants for creation of capital assets' will be drawn by the Drawing and Disbursing Officer of the SERB and it will be disbursed by means of cheque/DD favouring to The Registrar, Delhi Technological University, Delhi - 110 042, Delhi.

8 The Institute will furnish to the Board, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9 While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

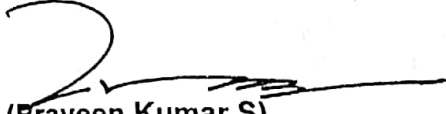
10 The manpower sanctioned in the project, if any, is co-terminus with the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project

11 All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

12 The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13 As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

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

  
(Praveen Kumar S)  
Scientist 'D'

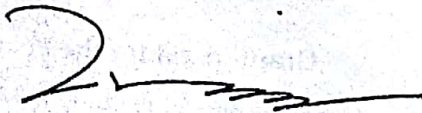
Copy forwarded for information and necessary action to:

- 1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi - 110 002.
- 2. The Drawing and Disbursing Officer, SERB (2 copies).

3. **Dr Pawan Kumar Tyagi**  
 Department of Applied Physics  
 Delhi Technological University  
 Shahabad, Daulatpur, Bawana Road  
 Delhi - 110 042, Delhi

4. **The Registrar**  
 Delhi Technological University  
 Shahabad, Daulatpur, Bawana Road  
 Delhi - 110 042, Delhi

- 5. Sanction folder SERB
- 6. OSD, SERB
- 7. SERB Secretariat

  
(Praveen Kumar S)  
Scientist 'D'

विज्ञान और इंजीनियरिंग अनुसंधान बोर्ड (एसइआरबी)  
Science & Engineering Research Board (SERB)  
(भारत सरकार, विज्ञान और प्रौद्योगिकी विभाग का एक संवैधानिक निकाय)  
(A statutory body under Department of Science & Technology, Government of India)

सेवा में / To,

REGISTRAR

DELHI TECHNOLOGICAL UNIVERSITY,

DELHI - 110042

विषय : चेक / डिमांड ड्राफ्ट को अग्रप्रेषण के संबंध में। / Subject: Forwarding of DD/Cheque – Reg.

महोदय / Sir,

मुझे उपरोक्त विषय पर एसइआरबी के स्वीकृति आदेश सं. SR/FTP/PS-055/2012 दिनांक 07/10/2013 का संदर्भ गृहण करने तथा बिल सं. GIA/4184 दिनांक 28/10/2013 के माध्यम से रु. 1630000/- हेतु चेक / डिमांड ड्राफ्ट सं. 051982 दिनांक 30/10/2013 को इसके साथ भेजने का निदेश हुआ है।

उपरोक्त दस्तावेज तथा उपयोगिता/व्यय विवरण के लिए संलग्न स्वीकृति आदेश में दर्शाया गया अनुसार ; एक टिकट लगी रसीद सीदे ही स्वीकृति प्राधिकारी के नाम से भेजी जानी चाहिए।

I am directed to refer to SERB sanction order no. SR/FTP/PS-055/2012 dated 07/10/2013 on the subject cited above, and to forward herewith Cheque/Demand Draft no. 051982 dated 30/10/2013 for Rs 1630000/- (RUPEES SIXTEEN LAKH THIRTY THOUSAND ONLY) through Bill no. GIA/4184 dated 28/10/2013.

A stamped receipt for above instrument and Utilization/Expenditure Statements etc. should be sent directly to the Sanctioning Authority by name as mentioned in the attached sanction order.

भवदीय / Yours faithfully,

आहरण एवं संवितरण अधिकारी / Drawing & Disbursing Officer

यह कंप्यूटर जनित संचार है तथा इसमें हस्ताक्षर की आवश्यकता नहीं है।  
This is computer generated communication and it does not required signature.

यदि कोई त्रुटि पाई जाती है, तो कृपया संपर्क करें, आहरण एवं संवितरण अधिकारी, विज्ञान और इंजीनियरिंग अनुसंधान बोर्ड, 5 एवं 5 ए, निचला ग्राऊन्ड, तल, वसंत स्क्वअर मॉल, प्लॉट नंबर ए - , कम्युनिटी सेन्टर, सेक्टर-5, पॉकेट-5, वसन्त कुन्ज, नई दिल्ली- 110070

Discrepancies if any, may be communicated to Drawing & Disbursing Officer, SERB, 5 & 5A, Lower Ground Floor, Vasant Square Mall, Plot No.-A, Community Centre, Sector-5, Pocket-5, Vasant Kunj, New Delhi - 110070

8 30/12/13  
12/11/13  
12.30

# Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016

Dated 07.10.2013

## ORDER

Subject:- Financial assistance for the research project entitled "Synthesis of structural defects free single layer graphene for applications in nanoelectronic devices" by Dr Pawan Kumar Tyagi, Department of Applied Physics, Delhi Technological University, Shahabad, Delhi - 110 042.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 27,10,000/- (Rupees twenty seven lakh ten thousand only) with break-up of Rs. 11,00,000/- under Capital head and Rs. 16,10,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 27,10,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
1.	Minor Equipment Hot wire CVD system, pyrometer	11,00,000/-
A'	Total Capital	11,00,000/-
<b>B</b>	<b>Recurring Items (General)</b>	
B.1	General A JRF (1), Consumables, Travel, Contingencies	11,59,000/-
B.2	General B (Overhead Charges)	4,51,000/-
B'	Total General (B.1 + B.2)	16,10,000/-
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>27,10,000/-</b>

2 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.

3 The sanction of the Board is also accorded to the payment of Rs. 11,00,000/- (Rupees eleven lakh only) under 'Grants for creation of capital assets' and Rs. 5,30,000/- (Rupees Five lakh thirty thousand only) under 'Grants-in-aid General' to the Registrar, Delhi Technological University, Shahabad, Delhi - 110 042 being the first installment of the grant for the year 2013-14 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure - I.

5 The expenditure involved is debitable to  
Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 11,00,000/-  
&

Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 5,30,000/-

This release is being made under OYS Scheme.

6 The sanction has been issued with the approval of the competent authority in SE R13 vide  
Dy. No. SERB/F/4305/2013-14 dated 04.10.2013.

7 The amount of Rs. 16,30,000/- (Rupees sixteen lakh thirty thousand only) meant for both 'Grants-in-aid General' and 'Grants for creation of capital assets' will be drawn by the Drawing and Disbursing Officer of the SERB and it will be disbursed by means of cheque/DD favouring to **The Registrar, Delhi Technological University, Delhi – 110 042, Delhi.**

8 The Institute will furnish to the Board, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9 While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

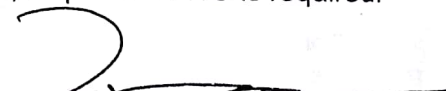
10 The manpower sanctioned in the project, if any, is co-terminus with the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project

11 All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.

12 The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

13 As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

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

  
(Praveen Kumar S)  
Scientist 'D'

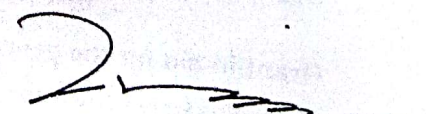
Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi – 110 002.
2. The Drawing and Disbursing Officer, SERB (2 copies).

3. **Dr Pawan Kumar Tyagi**  
Department of Applied Physics  
Delhi Technological University  
Shahabad, Daulatpur, Bawana Road  
Delhi – 110 042, Delhi

4. **The Registrar**  
Delhi Technological University  
Shahabad, Daulatpur, Bawana Road  
Delhi – 110 042, Delhi

5. Sanction folder SERB
6. OSD, SERB
7. SERB Secretariat

  
(Praveen Kumar S)  
Scientist 'D'

विज्ञान और इंजीनियरिंग अनुसंधान बोर्ड (एसइआरबी)  
Science & Engineering Research Board (SERB)  
( भारत सरकार, विज्ञान और प्रौद्योगिकी विभाग का एक संवैधानिक निकाय )  
(A statutory body under Department of Science & Technology, Government of India)

सेवा में / To ,

REGISTRAR

DELHI TECHNOLOGICAL UNIVERSITY,

DELHI - 110042

*[Handwritten Signature]*  
AS 187

विषय : चेक / डिमांड ड्राफ्ट को अग्रेषण के संबंध में। / Subject: Forwarding of DD/Cheque - Reg.

महोदय / Sir ,

मुझे उपरोक्त विषय पर एसइआरबी के स्वीकृति आदेश सं. SR/FTP/PS-055/2012 दिनांक 07/10/2013 का संदर्भ गृहण करने तथा बिल सं. GIA/4184 दिनांक 28/10/2013 के माध्यम से रु. 1630000/- हेतु चेक / डिमांड ड्राफ्ट सं. 051982 दिनांक 30/10/2013 को इसके साथ भेजने का निदेश हुआ है।

उपरोक्त दस्तावेज तथा उपयोगिता/व्यय विवरण के लिए संलग्न स्वीकृति आदेश में दर्शाया गए अनुसार ; एक टिकट लगी रसीद सीदे ही स्वीकृति प्राधिकारी के नाम से भेजी जानी चाहिए।

I am directed to refer to SERB sanction order no. SR/FTP/PS-055/2012 dated 07/10/2013 on the subject cited above, and to forward herewith Cheque/Demand Draft no. 051982 dated 30/10/2013 for Rs 1630000/- (RUPEES SIXTEEN LAKH THIRTY THOUSAND ONLY) through Bill no. GIA/4184 dated 28/10/2013.

A stamped receipt for above instrument and Utilization/Expenditure Statements etc. should be sent directly to the Sanctioning Authority by name as mentioned in the attached sanction order.

भवदीय / Yours faithfully,

आहरण एवं संवितरण अधिकारी / Drawing & Disbursing Officer

यह कंप्यूटर जनित संचार है तथा इसमें हस्ताक्षर की आवश्यकता नहीं है।।  
This is computer generated communication and it does not required signature.

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Discrepancies if any, may be communicated to Drawing & Disbursing Officer, SERB, 5 & 5A, Lower Ground Floor, Vasant Square Mall, Plot No.-A, Community Centre, Sector-5, Pocket-5, Vasant Kunj, New Delhi - 110070

30/12/13  
12/11/13

*[Handwritten Signature]*  
12/11/13  
12.30



**Fwd: Approval of project - DST-RMES programme**  
1 message

Ruchika Malhotra <ruchikamalhotra2004@yahoo.com>  
To: Juhi Jain <erjuhijain@gmail.com>

Wed, Nov 28, 2018 at 8:21 AM

Dr. Ruchika Malhotra

Begin forwarded message:

From: Yogita Kaira <dryogitakaira@gmail.com>  
Date: 27 November 2018 at 11:18:38 AM IST  
To: ruchikamalhotra2004@yahoo.com  
Subject: Fwd: Fw: Approval of project - DST-RMES programme

55

Dear Ma'am

Kindly find the sanction order of the two INDO RUSSIAN projects.

--- Forwarded message ---

From: S K Varshney <skvdst@nic.in>  
To: "dr\_rk\_sinha@yahoo.com" <dr\_rk\_sinha@yahoo.com>  
Sent: Monday, 29 September, 2014, 12:37:47 PM IST  
Subject: Approval of project - DST-RMES programme

Dear Dr Sinha,

I am pleased to inform you that Department of Science & Technology (India) and Russian Ministry of Education & Science have jointly approved your undermentioned project for joint implementation:

6	All Dielectric, Plasmonic and Hybrid Photonic Nanostructures - 1433	Dr. R. K. Sinha, Professor of Applied Physics and Chief Coordinator, TIFAC-CORE in Fiber Optics and Optical Communication Delhi Technological University Bawana Road, Delhi-110042	Dr. Pavel Belov, Head of Laboratory and Principal Researcher St. Petersburg National Research University of Information Technologies, Mechanics and Optics Kronverksky pr. 49, 197101, St. Petersburg, Russia
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While your Russian partner would be provided financial support by the Russian Ministry, you would be extended support from the Indian end by DST.

Please note that for further processing of your proposal for release of project grant, we shall require information on the attached sheet.

For all further queries, please quote DST/RMES/P-0/14.

With regards

S.K.Varshney

Scientist F/Director

Department of Science & Technology

Government of India

Technology Bhawan

New Mehrauli Road

NEW DELHI 110016

Phone +91-11-26525594

From: S.K. Varshney  
Sent: 12-05-2015 16:02  
To: dr\_rk\_sinha@yahoo.com; rksinha@dcce.edu  
Subject: Approval of project - DST-RFBR programme

Dear Dr Sinha,

I am pleased to inform you that Department of Science & Technology and Russian Foundation for Basic Research have jointly approved your under mentioned project for joint implementation:

New DST Ref.No.	Project title	Indian PI	Russian PI
INT/RUS/RFBR/P-225	From plasmonic to dielectric and hybrid nanoantennas: Novel approaches to control electromagnetic waves and light.	Ravindra Kumar Sinha, Professor of Applied Physics and Chief Coordinator, TIFAC-CORE In Fiber Optics and Optical Communication Delhi Technological University Bawana Road, Delhi-110042  Tel.: +91 11 27871017 (Office) Fax: +91 11 27871023 Mob.: 919953051489 E-mail: dr_rk_sinha@yahoo.com rksinha@dcce.edu	Belov Pavel A, Head of Laboratory and Principal Researcher St. Petersburg National Research University of Information Technologies, Mechanics and Optics Kronverksky pr. 49, 197101, St. Petersburg, Russia

Please note that number mentioned in the first column is the new DST reference number for your project.

You are requested to complete the attached form for processing security/ sensitivity clearance. We request you to get us administrative approval for implantation of the project from your institute. Also please provide us information for bank transfer of the grant.

Further, please note that financial support would be restricted to the recommendations of the Project Advisory Committee whereas visits would be regulated as per the financial terms of DST-RFBR arrangements. Please add justification / basis of calculations of your financial requirements.

With regards

S K Varshney  
Scientist G / Adviser

11/28/2018

Gmail - Fwd: Approval of project - DST-RMES programme

International Bilateral Cooperation  
Department of Science & Technology  
Government of India  
Technology Bhawan  
New Mehrauli Road  
NEW DELHI 110016  
Phone 26525594, 26590489

—  
Dr. Yogita Kalra  
Assistant Professor  
Department of Applied Physics &  
Coordinator, TIFAC-Centre of Relevance and  
Excellence in Fiber Optics and Optical Communication  
Delhi Technological University  
Bawana Road, Delhi

## Authentication Required

Please enter your username and password to continue.

Username:

Password:



सत्यमेव जयते

de

विश्वविद्यालय अनुदान आयोग

University Grants Commission

मानव संसाधन विकास मंत्रालय, भारत सरकार  
(Ministry of Human Resource Development, Govt. of India)

बहादुर शाह जफर मार्ग नई दिल्ली-110002

Bahadurshah Zafar Marg, New Delhi - 110002

Phone : 011-23604410, 011-23604425



ज्ञान-विज्ञान विमुक्तये

FD Diary No.1624  
Dated: 16.05.2018

No.F.30-416/2018(BSR)

Dated: May, 2018

The Under Secretary FD-III Section,  
University Grants Commission  
Bahadur Shah Zafar Marg,  
New Delhi - 110002.

29 JUN 2018

**Subject:-** Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities - Release of the grant for the year 2018-2019 under Revenue.

Sir,

The University Grants Commission convey its approval and allocate a sum of ₹10,00,000/- (Rupees Ten Lakhs Only) @ ₹10.00 Lakhs each faculty to the Registrar, Delhi Technological University, (Formerly Delhi College of Engineering) Shahbad Daultpur, Bawana Road, New Delhi-110 042 being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of ₹8,00,000/- (Rupees Eight Lakhs only) (80% of approved Grant ₹10.00 Lakhs to each faculty) to the Registrar, Delhi Technological University, (Formerly Delhi College of Engineering) Shahbad Daultpur, Bawana Road, New Delhi-110 042 towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2018-2019.

Name of the Item	Head of Account	Name of Faculty / Professor	Name of Departments	Amount Approved (₹)	Amount being released (₹) (80%)
UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department	3(A)16(X)31	Dr. Bharti Singh	Applied Physics	10,00,000/-	8,00,000/-
			Total:	10,00,000/-	8,00,000/-

- The sanctioned amount is debitable to the major Head 3(A)16(X)31 and is valid for payment during the financial year 2018-19 only.
- The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar, Delhi Technological University, (Formerly Delhi College of Engineering) Shahbad Daultpur, Bawana Road, New Delhi-110 042 through Electronic mode as per the following details:
  - Details (Name & Address) of Account Holder : Registrar, Delhi Technological University, (Formerly Delhi College of Engineering) Shahbad Daultpur, Bawana Road, New Delhi-110 042
  - Account No. : 30875679275 315 9454 5844
  - Name and address of Bank branch : State Bank of India, DCE Campus, Shahbad Daultpur, Bawana Road, New Delhi-110 042.
  - MICR Code : 110002438
  - IFSC Code : SBIN0010446
  - Type of Account : Current



**Application Reference No: [F.30-416/2018 (BSR)]**

**Year-wise utilization of Research Grant**

**Total Budget of Rs 10 lakhs for 2 years**

<b>S. No.</b>	<b>Head</b>	<b>I year (INR)</b>	<b>II year (INR)</b>	<b>Total (INR)</b>
1	Consumables (Chemicals, Glass wares, Sample Characterizations)	1,00,000	1,00,000	2,00,000
2	Travel	50,000	50,000	1,00,000
3	Contingency	50,000	50,000	1,00,000
4	Equipment's			
(a)	Keithley 2400 Sourcemeater 200V, 1A, 20W	4,60,000		4,60,000
(b)	Mass Flow Controllers for CVD system	1,40,000		1,40,000
5	<b>TOTAL (INR)</b>	<b>8,00,000</b>	<b>2,00,000</b>	<b>10,00,000</b>

## FW: DTU Fees Information

---

From: Rahul Bajpai (r.bajpai@samsung.com)  
To: ruchikamalhotra2004@yahoo.com  
Cc: anumehaj@samsung.com; shilpa.nj@samsung.com  
Date: Thursday, March 7, 2019, 05:23 PM GMT+5:30

---

Hi Dr Ruchika,

PFB the information available with us.

As already discussed, invoices of all previous years are kept in a store room. The concerned person is on leave and will be back in office on 20th March. Soft copies of Invoice are not maintained as confirmed by the person in Finance.

Regarding confirming the below on company letterhead, please note that it will take sometime. As it is already EOD, we will be able to work on it tomorrow and revert.

Please find below the required information:

**Batch: Mtech 2013 Batch-Year 1st**

Number of employees participating = 20  
Fee per employee for the year 2013-14 = INR 1,22,000/-

**Batch: Mtech 2013 Batch-Year 2nd**

Number of employees participating = 20  
Fee per employee for the year 2014-15 = INR 1,16,000/-

**Batch: Mtech 2013 Batch-Year 3rd**

Number of employees participating = 20  
Fee per employee for the year 2015-16 = INR 1,16,000/-

**Batch: Mtech 2015 Batch-Year 1st**

Number of employees participating = 19  
Fee per employee for the year 2015-16 = INR 1,75,000/-

**Batch: Mtech 2015 Batch-Year 2nd**

Number of employees participating = 17  
Fee per employee for the year 2016-17 = INR 1,69,000/-  
Total Amount for 17 employees: INR 28,73,000/-

**Batch: M.Tech. 2015 Batch-Year 3rd**

Number of employees participating = 17

Reimbursement Fee per employee for the year 2017 = INR 1,69,000/-

Total Amount for 17 employees: INR 28,73,000/-

**Batch: Mtech 2015 Batch-Year 2nd**

Number of employees participating = 16

Fee per employee for the year 2016-17 = INR 1,70,000/-

Total Amount for 16 employees: INR 27,20,000/-

**Batch: M.Tech. 2016 Batch-Year 2nd**

Number of employees participating = 16

Reimbursement Fee per employee for the year 2017 = INR 1,69,000/-

Total Amount for 16 employees: INR 27,04,000/-

**Batch: M.Tech. 2017 Batch-Year 1st**

Number of employees participating = 20

Reimbursement of Fee per employee for the year 2017 = INR 1,70,000/-

Total Amount for 20 employees: INR 34,00,000/-

**Batch: M.Tech. 2017 Batch-Year 1st**

Number of employees participating = 20

Reimbursement of Fee per employee for the year 2017 = INR 1,70,000/-

Total Amount for 20 employees: INR 34,00,000/-

**Batch: M.Tech. 2016 Batch-Year 2nd**

Number of employees participating = 16

Reimbursement Fee per employee for the year 2017 = INR 1,69,000/-

Total Amount for 16 employees: INR 27,04,000/-

**Batch: Mtech. 2011- Year 3rd**

Number of employees participating = 18

Fee per employee for the year 2013-14 = INR 1,16,000

Details:

Number of employees participating = 17

Fee per employee for the year 2012-13 = INR 1,22,000

**Batch: Mtech. Batch 2012-Year 2**

Number of employees participating = 18

Fee per employee for the year 2013-14 = INR 1,16,000

**Batch: Mtech 2013 Batch-Year 3rd**

Number of employees participating = 17  
Fee per employee for the year 2014-15 = INR 1,16,000/-

Warm Regards,  
Rahul Bajpai  
Professional-Human Resources, Samsung R&D India, Noida  
Ph No.: 9742353480

----- Original Message -----

**Sender** : Rahul Bajpai <r.bajpai@samsung.com> Professional/HR - Learning & Development Part /SRI-Noida/Samsung Electronics

**Date** : 2019-03-05 15:08 (GMT+5:30)

**Title** : DTU Fees Information

**To** : null<ruchikamalhotra2004@yahoo.com>

**CC** : Anumeha Jain<anumeha.j@samsung.com>, Shilpa Narang Jerath<shilpa.nj@samsung.com>

Hi Dr Ruchika,

Kindly find attached the information required. We have this data available with us.

Warm Regards,  
Rahul Bajpai  
Professional-Human Resources, Samsung R&D India, Noida  
Ph No.: 9742353480

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