

FILE NO. EMR/2016/001673  
**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-Mar-2017

**ORDER**

Subject: Financial Sanction of the research project titled "**Bio-assay guided Isolation, Identification and Elicitation of Anticancerous bioactive compounds from Nardostachys jatamansi, Psoralea corylifolia and Plumbago zeylenica**" under the guidance of Prof. Veena Agrawal, Department of Botany, University of Delhi, Department of botany, university of delhi, delhi-110007, Delhi, Delhi-110007 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of **Rs. 3318480/- (Rs. Thirty Three Lakh Eighteen Thousand Four Hundred and Eighty Only)** with break-up of **Rs. 600000/- under Capital (Non-recurring)** head and **Rs. 2718480/- under General (Recurring)** head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 3318480/- has been approved are given below:

The following budget may be considered for **Department Of Botany, University Of Delhi, Department Of Botany, University Of Delhi, Delhi-110007**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Elisa Plate Reader	600000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>600000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2416800
2	Recurring - B : (Overhead Charges)	301680
<b>B'</b>	<b>Total (Recurring)</b>	<b>2718480</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>3318480</b>

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

- Rs. 600000/- (Rupees Six Lakh only) under 'Grants for creation of capital assets' and Rs. 100000/- (Rupees One Lakh only) under 'Grants-in-aid General' to Registrar, Department Of Botany, University Of Delhi, Department Of Botany, University Of Delhi, Delhi-110007

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 Plant Sciences)**

4. The Sanction has been issued to Department Of Botany, University Of Delhi, Department Of Botany, University Of Delhi, Delhi-110007 with the approval of the competent authority under delegated powers on **24 March, 2017** and vide Diary No. **SERB/F/9969/2016-17** dated **25 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. 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:



23236351, 23232701, 23237721, 23234116  
23235733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 40-170/2011 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

5 JUL 2011

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths , Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled.

“Characterization of developmentally regulated promoters from brassica species”

Sir,

I am to refer to your letter forwarding the application of **Dr. Sandip Das** of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of **Rs. 6,73,000/- (Rupees: six lakh seventy three thousand only)** to the Registrar, **University of Delhi, Delhi** in r/o Major Research Project of **Dr. Sandip Das**, Department of **Biotechnology** for the period of 3 years w.e.f. 1.7.2011 as detailed below:-

S.No.	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT
<b>A.</b>	<b>Non - Recurring</b>		
1.	Books & Journals	nil	<b>2,50,000/-</b>
2.	Equipment (As per proposal)	2,50,000/-	
<b>B.</b>	<b>Recurring</b>		
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil	<b>4,23,000/-</b>
2.	Project Fellow @ 8, 000/- p.m.	nil	
3.	Chemical/ Glassware / Consumable	6,00,000/-	
4.	Hiring Services	45,000/-	
5.	Contingency	60,000/-	
6.	Travel/Field Work	nil	
7.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	70,500/-	
	<b>Total (A + B)</b>	<b>10,25,500/-</b>	<b>6,73,000/-</b>

The acceptance Certificate in prescribed format attached Annexure I may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained.

Otherwise the same may be returned in original to the commission by Registered Post in variable with in 15 days from the receipt of the Demand Draft/Cheque.

Principal Investigators should ensure that the utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The final report of the project may be submitted in typed form as well as electronically i.e. in floppy/CD



Dr. Sandip

1. The sanctioned amount is debit to the Major Head 4. (i).a (31) Rs. 4,23,000/- & 4. (i).a (35) Rs. 2,50,000/- and is valid for payment during financial year 2011-12.
2. The amount of the Grant shall be drawn by the Under Secretary (drawing and Disbursing Office), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the University/College, **University of Delhi, Delhi** through Cheque/Demand Draft/ Mail Transfer.
3. The Grants is subject to the adjustment of the basis of Utilization Certificate in the prescribed performa submitted by the University/Colleges/institution.
4. The University/College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The Utilization Certificate of the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased in function such assets shall revert to the University Grant Commission.
7. A Register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
8. The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the Utilization Certificate/Statement of expenditure to be furnished by grantee institution.
10. The University/College/Institute shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts for Scheduled Castes/Scheduled Tribes/OBC/PH etc.
11. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1978 etc.
12. The sanction issues in exercise of the delegation of powers vide Commission Office Order No. 25/92 dated May 01, 1992.
13. An amount of Rs. ----- out of the grant of Rs. ----- sanctioned vide letter No. F. 40-170/2011 (SR) dated has been utilized by University/College/Institution for the purpose for which it was sanctioned. Utilization Certificate for Rs. ----- has already been entered at S. No. ----- now we may enter Utilization Certificate for Rs. ----- S. No. ----- and in the U. C. Registrar at page No. -----.
14. It is also certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No **287**  
The above grant is sanctioned against the budget provision of Rs. ----- during the current financial year leaving a balance of Rs. ----- under the head of Account 4. (i).a (31) Rs. 4,23,000/- & 4. (i).a (35) Rs. 2,50,000/-
15. The funds to the extent are available under the Scheme.
16. The University/Institution/College is strictly following the UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009.

(Dr. K.C. Pathak)  
Joint Secretary

Copy forwarded for information and necessary action for:-

1. The Registrar, **University of Delhi, Delhi-110007**,  
Acknowledgement for the receipt of DD / Cheque / Mail Transfer for Rs. 6,73,000/- may be sent to the Under Secretary, Finance Division III, UGC.
2. **Dr. Sandip Das**, Principal Investigator, Department of Botany  
**University of Delhi, Delhi, 110007**
3. Office of the Director General of Audit, Central Revenues, A. G. C. R. Building, I. P. Estate, New Delhi.
4. The Registrar.

(Kanta Batra)  
Deputy Secretary



151 TRS/233/PN/10/11/2/2004  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block 2, 6-8th Floors,  
CGO Complex, Lodi Road,  
New Delhi-110003

Dated: 31<sup>st</sup> December, 2004

#### ORDER

Sanction of the President is hereby granted under Rule 13 of the Delegation of Financial Powers, 1978 for the implementation of the project titled "Assessment of genetic variability in muga silkworm (*Antheraea assanica*) populations using microsatellite markers developed at CDFD, Hyderabad" to a total cost of Rs. 32.35 lakhs (Rupees thirty two lakhs, thirty five thousand only) to be shared between University of Delhi, Delhi (Rs. 20.87 lakhs) and Central Muga Eri Research & Training Institute, Jorhat (Rs. 11.48 lakhs) on the terms and conditions detailed hereunder.

#### 2.0 The Project

2.1 Project Title: Assessment of genetic variability in muga silkworm (*Antheraea assanica*) populations using microsatellite markers developed at CDFD, Hyderabad

#### 2.2 Investigators:

University of Delhi, Delhi Component  
Name of the PI & Implementing Inst. Dr. Sudeshna Mazumder - Leighton  
Reader, Department of Botany,  
University of Delhi,  
Delhi - 110 007  
Central Muga Eri Research & Training Institute, Jorhat Component  
Name of the Co-PI & Implementing Inst. Dr. R. Chakraverty,  
Director,  
Central Muga Eri Research & Training Institute,  
Lahdigurih, Jorhat - 785 700 (Assam)

#### 2.3 Project Objectives:

- To survey, collect and map distribution of muga silkworm populations in Assam and North-east India
- To determine quantitative and qualitative traits of collected and inventoried muga silkworm populations
- Use microsatellite markers already developed by CDFD to determine genetic variability among collected muga populations
- Develop database of inventoried muga populations and its genetic diversity.





2.3 Time Schedule:

The duration of the project is 3 years from the date of till start of work.

2.4 Manpower requirement:-

Sl. No.	Designation	No. of positions	Emoluments (in Rs.)
<u>I. University of Delhi, Delhi Component</u>			
1	Junior Research Fellow (JRF)	One	Rs 50,000 p.m. in fixed HRA for 1 & 11% and Rs 50,000 p.m. fixed HRA for 10 year
2	Technical Assistant	One	Rs 75,000 consolidated p.m.
<u>II. Central Muga Eri Research &amp; Training Institute, Jorhat Component</u>			
1	Junior Research Fellow (JRF)	One	Rs 50,000 p.m. in fixed HRA
<u>Total:</u>		<u>Three</u>	

2.5 Equipment requirement:-

Sl. No.	Name of equipment	Item	Estimated cost
<u>I. University of Delhi, Delhi Component</u>			
1	Gene Amplifier system	One	2.29
2	Sequencing Gel Electrophoresis system	One	2.12
3	Gel Dryer Model 583 + Vacuum Pump	One	1.38
4	Eppendorf centrifuge 5415	One	0.88
5	Spectronic UV - VIS DIGITAL Spectrophotometer model 115 + SS BOD incubator	One	1.88
6	UV trans Illuminator Q-9-31 + Rocking Shaker Platform CSI-2-2	One	0.30
7	Computer (intel Pentium IV) + PRINTER + UPS	One	0.20
8	CCD Digital Camera (NIKON)	One	0.80
<u>Total (I):</u>			<u>10.67</u>
<u>II. Central Muga Eri Research &amp; Training Institute, Jorhat Component</u>			
1	Mini-protein 3 Protein Electrophoresis system	One	0.57
2	Agarose Midi Submarine Electrophoresis Unit + Power Supply	One	0.26
<u>Total (II):</u>			<u>0.83</u>
<u>Grand Total (I+II)</u>			<u>10.90</u>



## 2. Project Costs

The year-wise estimated cost of the project is as under:

(Rs. in lakhs)					
S. No.	Items	I yr	II yr	III yr.	Total
I	<u>University of Delhi, Delhi Component</u>				
A.	Non-recurring				
1	Equipment	10.07	-	-	10.07
B.	Recurring				
1	Manpower	1.15	2.15	2.40	5.70
2	Consumables	1.00	2.00	2.00	5.00
3	Travel	0.20	0.20	0.20	0.60
4	Contingencies	0.10	0.10	0.10	0.30
5	Overheads	1.56	0.75	-	2.31
Sub-Total -I		16.02	5.20	5.45	26.67
II	<u>Central Muga Eri Research &amp; Training Institute, Jorhat Component</u>				
A.	Non-recurring				
1	Equipment	0.83	-	-	0.83
B.	Recurring				
1	Manpower	1.25	1.25	1.40	3.90
2	Consumables	0.05	0.05	0.05	0.15
3	Travel	0.05	0.05	0.05	0.15
4	Contingencies	0.15	0.05	0.05	0.25
5	Overheads	0.22	0.14	0.14	0.50
Sub-Total -II		2.45	1.54	1.69	5.68
Total (I + II)		18.47	6.74	7.14	32.35

## 2.5 Other Terms & Conditions

The other terms and conditions governing this sanction are attached at Annexure I

- The Accounts of grantee institutions shall be open to inspection by the sanctioning authority and
- The expenditure involved is ascertainable in Demand No.85 Department of Biotechnology, 34.5 Other Scientific Research (Major Head), 29 Research and Development, 29.02 Biosource Development and Utilization, 29.02.31 Grants-in-Aid for the year 2004-2005 (Plan)
- No International travel will be undertaken from the sanctioned project grant.
- This sanction is subject to the powers delegated to this Department and with the concurrence of IFD, DBT vide their SAN No.102/HID/SAN/2971/2004-2005 dated 31-12-2004.

(Dr Mohd. Aslam)  
Scientist-E

To,

The Pay & Accounts Officer,  
Deptt. of Science & Technology,  
New Delhi - 110 016



BT/PR5630/BCE/08/372/2004  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block-2, 6-8th Floors,  
CGO Complex, Lodi Road,  
New Delhi - 110 003  
Dated: 23.3.2005

#### ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers, 1979, for the implementation of the project titled "Proposal for programme support in environmental biotechnology-Restoration Ecology" by Dr. C.R. Babu, Centre for Environmental Management of Degraded Eco-systems, University of Delhi, Delhi-7 for financial support, at the total cost of Rs 202.15 lakhs (Rs. Two crore two lakhs and fifteen thousand only) for the period of 5 years on the terms and conditions detailed here under.

2.0 Title Project :

2.1 Project Title :

"Proposal for programme support in environmental biotechnology-Restoration Ecology"

2.2 Investigators:

PI	Dr. C. R. Babu
Co-PIs	Prof. Mihir Deb
	Prof. S. R. Yadav
	Dr. Suman Lakhanpaul
	Dr. Sudeshna Mazumdar
	Dr. Pushpam Kumar

2.3 Objectives

- (i) Ecological restoration of barren mined out areas, solid waste dumps, polluted and problematic soils.
- (ii) Enhancement of biological productivity of marginal lands and degraded forest.
- (iii) Development of products.

These objectives can be achieved through

- (i) Assessment of diversity in functional traits (response and effect traits) with respect to habitat processing and ecosystem redevelopment and its sustainability.
- (ii) Identification of indicators for monitoring ecosystem health in terms of sustainability.



#### 2.4 Time Schedule

The duration of the project is five years from the date of this sanction order. Time schedule of activities giving milestones is given at Annexure-V.

#### 2.5 Manpower:

The details of the manpower sanctioned for the implementation of the project are given at Annexure-I.

#### 2.6 Equipments:

The details of the equipments sanctioned for the project are given at Annexure-II.

#### 2.7 Project Cost:

The year wise estimated cost of the project is as under:

Head	(Rs. in lakhs)					Total
	I Year	II Year	III Year	IV Year	V Year	
A. Non-recurring Equipments	60.00					60.00
B. Recurring Manpower	15.39	15.39	16.29	16.29	16.29	79.65
Consumables	6.00	6.00	6.00	6.00	6.00	30.00
Travel	2.50	2.50	2.50	2.50	2.50	12.50
Contingency	3.00	3.00	3.00	3.00	3.00	15.00
Overhead	1.00	1.00	1.00	1.00	1.00	5.00
Total	87.89	27.89	28.79	28.79	28.79	202.15

#### 2.8 The expenditure is debit to

Demand No. 85, Department of Biotechnology, 3425 - Other Scientific Research (Major Head) - Research and Development, 29.07 - Environmental Biotechnology, 29.07.31 - Grant-in-Aid for the year 2004-05 (Plan)

#### 2.9 Other Terms & Conditions:

The other terms and conditions governing this sanction are attached at Annexure-III. Considering the time bound nature of the project, the project will be monitored by the Task Force on Biodiversity Conservation and Environment, constituted by DBT. In addition, the PI will submit a quarterly progress report as per format in Annexure-IV.

3. No international travel will be undertaken from the sanctioned project grant.



4. This issues under the powers delegated to this Department and with the concurrence of IFD/DBT vide their Dy.No. 102/IFD/SAN/2954 /2004-2005 dated 23.3.2005.

5. This sanction order has been noted at Serial No. 67 in the Register of Grants.

(Suman Govil)  
Director

To

The Pay & Accounts Officer,  
Deptt. Of Science & Technology,  
New Delhi - 110 016.

Copy to

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 2.
- 2 Cash Section, DBT (2 Copies)
- 3 Dr. O.R. Babu, Professor, Centre for Environmental Management of Degraded Eco-systems, University of Delhi, Delhi-7
- 4 The Registrar, University of Delhi, Delhi-110007
- 5 Sanction Folder.

  
(Suman Govil)  
Director





विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-499/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

16 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled, "In vitro evaluation, isolation and up regulation of anticancerous bioactive compounds from cassia angustifolia (Senna,) Through elicitors and their bioefficacy against human cancer cell lines"

Sir,

I am to refer to your letter forwarding the application of Prof. Veena Agrawal of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 9,36,800/- (Rupees: nine lakh thirty six thousand eight hundred only) to the Registrar, University of Delhi, Delhi-110007 in r/o Major Research Project of Prof. Veena Agrawal, Department of Botany for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	Non - Recurring		4,70,000/-	GEN
1.	Books & Journals	20,000/-		
2.	Equipment (as per proposal)	4,50,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	1,50,000/-		
4.	Hiring Services	nil		
5.	Contingency	75,000/-		
6.	Travel/Field Work	30,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	75,300/-		
	Total (A + B)	13,28,300/-	9,36,800/-	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.



पी.ए.बी.एक्स./PABX : 26588980, 26588707, 26589336, 26589745,  
26589873, 26589414  
फैक्स/FAX : 011-26588662, 011-26589791, 011-26589258

तार / GRAM : विज्ञानी / SCIENTIFIC  
Web-site : www.icmr.nic.in  
E-mail : icmrhqds@sansad.nic.in



## भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

स्वास्थ्य अनुसंधान विभाग (स्वास्थ्य एवं परिवार कल्याण मंत्रालय)  
बी. रामलिंगस्वामी भवन, अन्सारी नगर, नई दिल्ली - 110 029

DEPARTMENT OF HEALTH RESEARCH (MINISTRY OF HEALTH & FAMILY WELFARE)  
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, NEW DELHI - 110 029

No. 59/42/2010/BMS/TRM

Dated: 05.01.2012

To

The Registrar,  
University of Delhi,  
Delhi-110007

Sub: *DNA Barcoding of Endangered Indian Medicinal Plants* under Dr. Shashi Bhushan Babbar, Professor, Dept. of Botany, University of Delhi, Delhi-110007

Dear Sir,

The Director General of the Council sanctions the above mentioned research scheme initially for the period of one year \_\_\_\_\_. Subject to extension upto the total duration specified in para 4 below.

The Director General of the Council also sanctioned the budget allotment of Rs 8,56,197/-. As detailed in the attached statement for the period ending 15.01.2012 to 14.01.2013.

The grant-in-aid will be given subject to the following conditions. The payment of the grant will be made in lump-sum to the Head of the Inst. 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 staff appointed on the project should be paid as indicated in the budget statement.

The staff on the project will be recruited as per the rules and procedure of the host Inst. An undertaking to this effect may be furnished to this office in the attached form ( Part-I) duly signed by the Head of the Inst. and second part of the undertaking be obtained from the employees of the project. The grant will not be released unless the required undertaking ( Part-I) from Head of the Inst. is received in this office.

The demand for payment of the subsequent installment of the grant should be placed with the Council in the prescribed proforma.

The approved duration of the scheme is 3 years. The annual extension will be given after review of the work done on the scheme during the previous year.



Five copies of the annual progress report in the attached prescribed proforma should be submitted to the Council every year after completion of ten months of the project giving complete actual details of the research work done. Failure to submit the report in time may lead to termination of project.

The Instt. will maintain a separate account of the receipt utilization certificate and an audited statement of account pertaining to the grant of the project.

The other terms and conditions are indicated in Annexure-I.

The receipt of this letter may please be acknowledge.

Yours faithfully,

(Kala Kotnala)  
Administrative Officer  
For Director General

- Copy together with a copy of the budget statement forwarded to information to :- Dr. Shashi Bhushan Babbar, Professor, Dept. of Botany, University of Delhi, Delhi-110007
2. Accounts-V for information. The expenditure on this account may be met from the provision made under head E-a Research Scheme on grant-in-aid basis in the budget of the Council for the year. RFC No. BMS/Adhoc/52/2011-12 dated 03.01.2012
  3. Copy together with four copies of the budget for warded to budget section for completion of the Council's budget.
  4. IRIS CELL No. 2010-07090

11/6/2012  
(Kala Kotnala)  
Administrative Officer



पी.बी.एक्स./PAIX : 26588980, 26588707, 26589336, 26589745,  
26589873, 26589414  
फैक्स/FAX : 011-26588662, 011-26589791, 011-26589258

Web-site : www.icmr.nic.in  
E-mail : icmrhqds@sansad.nic.in



## भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, नई दिल्ली - 110 029

V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, NEW DELHI - 110 029

Dr. Nandini K. Kumar

No.59/19/2006/BMS/TRM

DY. DIRECTOR-GENERAL

Dated: 9.7.2007

Sub: Development of high output suspension cultures of selected medicinal plants as perennial source of herbals and biomolecules

Dear Dr. Babbar,

Kindly refer to your above mentioned project proposal. This is to inform you that your project has been recommended for a period of 3 years with the following budget provided that following suggestions are accepted.

1. Objective 1 may be placed at objective 2.

Budget : Staff – Research Associate 1, Lab attendant 1

Consumables – Rs. 1 L per annum (chemicals and glasswares)

Contingency – Rs. 60,000/- per annum

Travel – Rs. 30,000/- in 2<sup>nd</sup> and 3<sup>rd</sup> year

It is requested that the following information may kindly be sent to the Council as early as possible :-

1. Undertaking Part-I duly filled & countersigned by the Head of the University.
2. Name & address of statutory auditors of University.
3. Breakup under head contingency item wise of each year as mentioned in the budget.

Yours sincerely,

(Nandini K. Kumar)

**Dr. Shashi Bhushan Babbar,**  
Reader, Deptt. of Botany,  
University of Delhi, Delhi-110007

No. BT/Env/BC/01/2010  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Date: 23<sup>rd</sup> May, 2012

In continuation of this Department's sanction order of even number dated 23.03.2012 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of **Rs.240.68** (Rupees Two Crores Forty Lakhs and Sixty Eight Thousand Only) being the first year release for the project entitled **"Preventing extinction and improving conservation status of threatened plants through application of biotechnological of tools"** being implemented by:-

1. Prof. S. K. Barik, Professor, Department Of Botany, North - Eastern Hill University, Umshing Mawkyroh, Shillong, Meghalaya, India - 793022
2. Dr. Arun Chettri, Assistant Professor, Department of Plantation management, Sikkim University, 6th Mile, Tadong, Gangtok, East - Sikkim. Pin: 737102.
3. Dr. K.K. Singh, Scientist In-charge, Department of Environmental Physiology & Biotechnology, G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora 263 643, Uttarakhand, India, GBPIHED (Sikkim Unit), Sikkim
4. Prof. N.K. Chrunghoo, Professor, Department Of Botany, North - Eastern Hill University, Umshing Mawkyroh, Shillong, Meghalaya, India - 793022
5. Dr. Pushpa Kumari, Scientist C, Botanical Survey of India, IBG, P. O. Botanic Garden, Howrah - 711 103
6. Prof. H. Lalramnghinglova, Professor, Departmental Environmental Sciences, Mizoram University, Tanhril post Box No.190, Aizawl, Mizoram, Pin: 796001.
7. Dr. Aparajita De, Assistant Professor, Ecology & Environmental Sciences, Assam University, Silchar - 788 011, Assam, India.
8. Prof. B.K. Datta, Tripura University, Tripura
9. Dr. Pratap Chandra Panda, Senior Scientist, Regional Plant Resource Centre, Government of Orissa Nayapalli, Bhubaneswar 751015, Orissa, India
10. Dr. Gyana Ranjan Rout, Professor & Head, Orissa University of Agriculture and Technology, Bhubaneswar : 751003 Orissa, India
11. Dr. B.Ravi Prasad Rao, Professor, Sri Krishnadevaraya University Anantapur - 515 003, Andhra Pradesh, INDIA.
12. Dr. S. S. Samant, Scientist In-charge, Himachal Unit, G.B. Pant Institute of Himalayan Environment and Development Mohal, Kullu - 175 126, Himachal Pradesh, India
13. Dr. A.K. Sood, Scientist 'G' & Head, Division of biotechnology, Institute of Himalayan Bioresource Technology, Post Box No. 6, Palampur (H.P.) 176061 INDIA.
14. Dr. Ravindra Raina, Senior Scientist, (Professor), Department of Forestry, Dr Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, 173230
15. Prof. M.K. Janarthanam, Professor, Department of Botany, Goa University, Taleigao Plateau, Goa, India, 403206
16. Dr. R. Vasudeva, Associate Professor (Forest Biology), Department of Forest Biology, University of Agricultural Sciences, DHARWAD - 580 005 Karnataka State, India
17. Dr. Rajesh P. Gunaga, Assistant Professor, Department of Silviculture and Agroforestry, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Ratnagiri - 415 712, Maharashtra.
18. Prof. P.S. Yadava, Professor, Department of Centre of Advanced Study in Life Science, Manipur University, Canchipur, Imphal-795003 Manipur.
19. Dr. Chitta Ranjan Deb, Assistant Professor, Department Of Botany, Nagaland University, Lumami - 798627, District Zunheboto, Nagaland, India
20. Prof. S.K. Borthakur, Professor, Department Of Botany, Gauhati University, Gopinath Bardoloi Nagar, Guwahati - 781 014, Assam.
21. Dr. A.A. Mao, Scientist-E & HOO, Arunachal Pradesh Regional Centre, Botanical Survey of India, Sankie View, Itanagar - 791111.
22. Dr. Padmaraj Gujrel, Assistant Professor, Department of Forestry, North Eastern Institute of Science & Technology [NERIST], Itanagar, Nirjuli Arunachal Pradesh, India - 79109
23. Dr. Nicolee Lyngdoh, Assistant Professor, Department of Improvent, Plant Breeding and Genetics, College of Horticulture and Forestry, Central Agricultural University Iroisemba, Imphal-795004 Manipur, India
24. Dr. K. Haridasan, Joint Director, Department of Centre for conservation of Natural Resource, Institute of Ayurveda and Integrative Medicine, Foundation For Revitalisation Of Local Health Traditions, 74/2, Jarkabande kaval, Attur PO, Yelahanka via, Bangalore, Karnataka-560106.
25. Dr. P.E. Rajeskhara, Senior Scientist, Department of Plant Genetic Resources, Indian Institute Of Horticulture Research, Hesargatta, Bangalore-560089
26. Prof. Arun K. Pandey, Professor, Department of Botany, Delhi University, North Campus, Delhi-110007
27. Dr. Sunil Kumar Srivastava, Deputy Director (Scientist D), Ministry of Environment & Forests, Botanical Survey of India, Northern Regional Centre, 196, Kaulagarh Road, Dehradun.



23236351, 23232701, 23237721, 23234116  
23235133, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली 110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 40-316/2011 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

20 MAY 2011

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers Project entitled, "Molecular systematics of inula complex in India"

Sir,

I am to refer to your letter forwarding the application of Dr. Arun K. Pandey of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 6,10,000/- (Rupees: six lakh ten thousand only) to the Registrar, University of Delhi, Delhi in no Major Research Project of Dr. Arun K. Pandey, Department of Botany for the period of 3 years w.e.f. 1.7.2011 as detailed below:-

S.No.	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT
A.	Non - Recurring		
1.	Books & Journals	nil	3,50,000/-
2.	Equipment (1) Binocular microscope with Gmer DNA sequencing	3,50,000/-	
B.	Recurring		
1.	Honorarium to Retd. Teacher @ Rs. 12,000/- p.m.	nil	2,60,000/-
2.	Project Fellow @ 8,000/- p.m.	nil	
3.	Chemical/ Glassware / Consumable	2,00,000/-	
4.	Hiring Services	nil	
5.	Contingency	1,50,000/-	
6.	Travel/Field Work	1,00,000/-	
7.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	35,000/-	
	Total (A + B)	8,35,000/-	6,10,000/-

The acceptance Certificate in prescribed format attached Annexure I may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the commission by Registered Post in variability with in 15 days from the receipt of the Demand Draft/Cheque.

Principal Investigators should ensure that the utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time

The final report of the project may be submitted in typed form as well as electronically (e.g. floppy/CD)

1. The sanctioned amount is debitable to the Major Head 4. (i).a (31) Rs. 2,60,000/- & 4. (i).a (35) Rs. 3,50,000/- and is valid for payment during financial year 2011-12.
2. The amount of the Grant shall be drawn by the Under Secretary (drawing and Disbursing Office), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the University/College, University of Delhi, Delhi through Cheque/Demand Draft/ Mail Transfer.
3. The Grants is subject to the adjustment of the basis of Utilization Certificate in the prescribed performa submitted by the University/Colleges/institution.
4. The University/College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The Utilization Certificate of the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased in function such assets shall revert to the University Grant Commission.
7. A Register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
8. The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the Utilization Certificate/Statement of expenditure to be furnished by grantee institution.
10. The University/College/Institute shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts for Scheduled Castes/Scheduled Tribes/OBC/PH etc.
11. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1978 etc.
12. The sanction issues in exercise of the delegation of powers vide Commission Office Order No. 25/92 dated May 01, 1992.
13. An amount of Rs. ----- out the grant of Rs. ----- sanctioned vide letter No. F. 40-316/2011 (SR) dated has been utilized by University/College/Institution for the purpose for which it was sanctioned. Utilization Certificate for Rs. ----- has already been entered at S. No. ----- now we may enter Utilization Certificate for Rs. ----- S. No. ----- and in the U. C. Registrar at page No. -----.
14. It is also certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No. 236. The above grant is sanctioned against the budget provision of Rs. ----- during the current financial year leaving a balance of Rs. ----- under the head of Account 4. (i).a (31) Rs. 2,60,000/- & 4. (i).a (35) Rs. 3,50,000/-
15. The funds to the extent are available under the Scheme.
16. The University/Institution/College is strictly following the UGC regulations on curbing the menace of ragging in Higher Educational Institutions. 2009.

(Dr. K.C. Pathak)  
Joint Secretary

Copy forwarded for information and necessary action for:-

1. The Registrar, University of Delhi, Delhi-110007,  
Acknowledgement for the receipt of DD / Cheque / Mail Transfer for Rs. 6,10,000/- may be sent to the Under Secretary, Finance Division III, UGC,
2. Dr. Arun K. Pandey, Principal Investigator, Department of Botany  
University of Delhi, Delhi, 110007
3. office of the Director General of Audit, Central Revenues, A. G. C. R. Building, I. P. Estate, New Delhi.
4. The Registrar,

(Kanta Batra)  
Deputy Secretary



**ORDER**

Sub: Financial Assistance for the Research Project entitled "Molecular systematic study of some economically important genera of Indian Cucurbitaceae." under the guidance of Prof. Arun K. Pandey, Department of Botany, University of Delhi, Delhi - 110007.

Sanction of the SERB is hereby accorded to the above-mentioned project at a total cost of Rs. 32,30,000/- (Rupees Thirty two lakh thirty thousand only) with break-up of Rs. 12,00,000/- under Capital head and Rs. 20,30,000/- under General head for a duration of three years. The items of expenditure for which the above total allocation of Rs. 32,30,000/- has been approved for a period of Three years are given below:

**A. Capital Assets:**

	In Rupees
1 Equipment:	12,00,000/-
i) Gel Doc System	
ii) Thermal Cycler	
iii) Gel electrophoresis unit with power supply	
iv) Micropipette set	
v) Weighing balance	
vi) Centrifuge	
vii) Net House	
Total:	12,00,000/-

**B. General:**

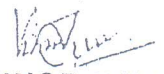
	In Rupees
1 Mapower:	7,80,000/-
JRF-1 @ Rs. 16,000/-, 16,000/-, 18,000/- + HRA	5,00,000/-
2 Consumable:	1,50,000/-
3 Travel:	1,00,000/-
4 Contingencies:	15,30,000/-
Sub Total	5,00,000/-
5 O.H. Charges:	20,30,000/-
Total B:	32,30,000/-
6 Grand Total: (A+B)	

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 is also accorded to the payment of Rs. 12,00,000/- (Rupees Twelve lakh only) under "Grants for creation of capital assets" (46.01.35) and Rs. 6,00,000/- (Rupees Six lakh only) under "Grant-in-aid General" (46.01.31) to the Registrar, University of Delhi, Delhi - 110007, being the first installment of the grant for the year 2011-2012 for implementation of the said research project.

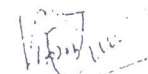
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4. Sanction of the grant is subject to the conditions as enclosed.
5. The amount of Rs. 18,00,000/- (Rupees Eighteen lakh only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Registrar, University of Delhi, Delhi - 110 007, by means of A/C payee Cheque.
6. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.
7. As per Rule 211 of GFRs, the accounts of Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.
8. The Institute will furnish to the SERB Utilization Certificate and an audited Statement of Accounts pertaining to the grant immediately after the end of each financial year.
9. The Institute will maintain separate audited accounts for the project. 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 DST. 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 is issued with the approval of competent authority under delegated powers and vide sanction number SERB/F/1628/2011-2012 dated 30-01-2012.

  
(VINOD KUMAR)  
SCIENTIST F

To  
The Pay & Accounts Officer,  
Science and Engineering Research Board (SERB), New Delhi  
Copy forwarded for information and necessary action to:-

1. The Drawing and Disbursing Officer, Science and Engineering Research Board (SERB), Technology Bhavan, New Mehrauli Road, New Delhi - 110 016 (2 copies).
2. SERB Secretariat
3. File Copy
4. Prof. A.K Pandey,  
Professor,  
Department of Botany,  
University of Delhi,  
Delhi - 110007
5. Registrar,  
University of Delhi,  
Delhi - 110007

  
(VINOD KUMAR)  
SCIENTIST F



No. BT/PR6775/GBD/27/467/2012  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 5/9/2013

**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 "**Molecular mapping of loci conferring resistance to *Albugo candida* race 2V in two different cultivars of Brassica rapa - A step towards durable resistance against white rust in *B. juncea* (Indian Mustard) (RGYI)**" for a period of 3 Year 0 Month at a total cost of Rs. 3805000 (Rupees Thirty Eight Lakhs Five Thousand Only) on the terms and conditions detailed here under:

**2. The Project :**

**2.1 Title :** "Molecular mapping of loci conferring resistance to *Albugo candida* race 2V in two different cultivars of Brassica rapa - A step towards durable resistance against white rust in *B. juncea* (Indian Mustard) (RGYI)"

**2.2 Project Investigator :**

Dr. Priya Panjabi Massand  
PI  
Botany  
University of Delhi, North Campus  
Department of Delhi  
University of Delhi,  
110007, Delhi

**CO-PI:**

Dr. Sandip Das  
Assistant Professor (Reader)  
Department of Botany  
University of Delhi, North Campus  
DU, North campus, New Delhi - 110007, Delhi

**2.3 Objectives:**

1. •Generation of two F2 mapping populations in *B. rapa* utilizing white rust resistant (YSPB-24 and Candle) and susceptible (Pant toria) cultivars.
2. •Generating comparative relationship between Arabidopsis and *B. rapa*
3. Molecular mapping of the resistance conferring loci in YSPB-24 and Candle.

**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. 3805000/- (Rupees Thirty Eight Lakhs Five Thousand Only) as per details given below :

Self Attested  
Priya Panjabi

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	200000.00			1200000.00
Manpower	249500.00	249600.00	280800.00	780000.00
Overhead	50000.00	25000.00	25000.00	100000.00
Travel	25000.00	25000.00	25000.00	75000.00
Consumables	500000.00	500000.00	500000.00	1500000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Total (Rs.)	1,746000.00	849600.00	800800.00	3505000.00

#### 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:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
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
3425.60.200.29.01.35	Grants for creation of capital assets

The Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
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
3425.60.200.29.01.3	Grants in Aid General

### 4. Terms & Conditions:


1. The Equipment sanctioned under the project should be purchased within 18 months from the date of release of the grant.
2. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate ten per cent per annum thereon shall be recovered. The other terms and condition governing the financial sanction will remain unaltered.
3. MoA has been executed

4.1 The other terms and conditions governing this sanction are attached at Annexure- III.

Sd/-  
Priya Panyabi



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.
5. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
6. The Registrar, University of Delhi, North Campus, Delhi, Delhi would be responsible for submission of Statements of Expenditure (S/E) and consolidated utilization certificates (U/Cs) to DBT from PIs in respect of grants released against this sanction order from time to time.
7. 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.
8. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/2446/2013-2014 dated August, 22 2013.
9. This sanction order has been noted at serial no. 440 in the Register of Grants.

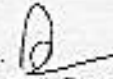
  
Dr. T S Rao  
(Advisor/Scientist 'G')

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, University of Delhi, North Campus, , Delhi - 110007, Delhi
3. Dr. Priya Panjabi Massand, PI, Botany, University of Delhi, North Campus, Department of Delhi University of Delhi, - 110007, Delhi
4. Dr. Sandip Das, Assistant Professor (Reader), Department of Botany, University of Delhi, North Campus, DU, North campus, New Delhi - 110007, Delhi
5. Cash Section, DBT (2 copies).
6. Sanction Folder.
7. File Copy.

*Self Attested*  
Priya Panjabi

  
Dr. T S Rao  
(Advisor/Scientist 'G')

Details of the Equipment sanctioned for the implementation of the project titled "Molecular mapping of loci conferring resistance to *Albugo candida* race 2V in two different cultivars of *Brassica rapa* - A step towards durable resistance against white rust in *B. juncea* (Indian Mustard) (RGYI)":

University of Delhi, North Campus			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	1. Thermocycler with UPS	1	400000.00
2.	2. Deep Freezer	1	600000.00
3.	3. DNA electrophoresis with power pack	1	200000.00
Total			1200000.00

Dr. T S Rao  
(Adviser/Scientist 'G')

Self Attested  
Pooja Langab




## Annexure -II

Details of the manpower sanctioned for the implementation of the project titled "Molecular mapping of loci conferring resistance to *Albugo candida* race 2V in two different cultivars of *Brassica rapa* - A step towards durable resistance against white rust in *B. juncea* (Indian Mustard) (RGYI)":

Head	No. of Postion	Year I	Year II	Year III	Total (Rs.)
Junior Research Fellow Rs.16,000/- +30% HRA for 1st & 2nd year and Rs.18,000/- +30% HRA for 3rd year	1	249600.00	249600.00		499200.00
Junior Research Fellow Rs.16,000/- +30% HRA for 1st & 2nd year and Rs.18,000/- +30% HRA for 3rd year	1			280800.00	280800.00
Total(Rs.)		249600.00	249600.00	280800.00	780000.00

Revised emoluments shall be payable only if educational qualification or eligibility criteria as per DST OM No. A.20020/11/97-IFD dated 31.03.2010, are met by the research personnel.

  
Dr. T S Rao  
(Advisor / Scientist 'G')

Self Attested  
Priya Parajabi

SB/WEA- 01/2014  
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)  
(A statutory body under the Department of Science & Technology)

Technology Bhavan,  
New Mehrauli Road,  
New Delhi - 110016.

Dated: 05/06/2014

ORDER

**Subject:** Grant for SERB Women Excellence Award to Dr. Priya Panjabi – Massand, Assistant Professor, Department of Botany, University of Delhi, Delhi – 110 007. E-mail: [ppriyagen@yahoo.com](mailto:ppriyagen@yahoo.com)

Sanction of Science & Engineering Research Board (SERB), is hereby accorded to the above mentioned grant of Women Excellence Award to Dr. Priya Panjabi – Massand, Assistant Professor, Department of Botany, University of Delhi, Delhi – 110 007 at the total sum of Rs. 18,00,000/- (Rupees Eighteen lakhs only) for a period of three years as given below:-

	<u>Recurring items-General:</u>	(Rs.)
A)	<u>General- A:</u> Research grant for 3 years @ Rs.5,00,000/- per year for equipment, manpower, consumables, contingencies, travel (including one international travel per year,) etc.,	15,00,000/-
B)	<u>General- B:</u> <u>Overhead</u> for 3 years @Rs.1,00,000/- per year	3,00,000/-
	<b>Total</b>	<b>18,00,000/-</b>

2. Sanction of the Science & Engineering Research Board (SERB), is also accorded to the payment of a sum of Rs. 6,00,000/- (Rupees Six lakhs only) as the 1st instalment of the grant under 'Grants in aid General' to The Registrar, University of Delhi, Delhi – 110 007 being the grant for the year 2014-15 for said award.

3. The expenditure involved is debitable to Fund for Science & Engineering Research for the year 2014-15 (Plan Expenditure- under recurring head)  
This release is made under the program "SERB Women Excellence Award"

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/638/2014-15 dated: 30/04/2014.

5. Sanction of the grant is subject to the 'Terms & Conditions' available at website <[www.serb.gov.in](http://www.serb.gov.in)>.

6. The amount of Rs. 6,00,000/- (Rupees Six lakhs only) in question under 'Grants-in-aid General' will be drawn by the Drawing & Disbursing Officer of the SERB and will be disbursed by means of DD favouring "The Registrar, University of Delhi, Delhi" and will be sent to The Registrar, University of Delhi, Delhi – 110 007 or by means of RTGS transaction as per their Bank details given below:


Name of Account Holder (as per the Bank record)	Registrar, University of Delhi, Delhi
Account Number	10851298593
Bank Name & Branch	State Bank of India, University of Delhi Branch, Delhi – 110 007.
IFSC/RTGS Code	SBIN0001067
E-mail of Institute authority	<a href="mailto:registrar@du.ac.in">registrar@du.ac.in</a>
E-mail of SERB officer	<a href="mailto:doyiltv@nic.in">doyiltv@nic.in</a>

Self Attested  
*Priya Panjabi*

contd. p.2



7. As per rule 211 of GFRs, the accounts of Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.
8. The institute will furnish to the SERB, Utilization certificate and an audited statement of accounts etc, pertaining to the grant, immediately after the end of each financial year. A brief consolidated progress report may be sent at the end of each financial year and also on completion of the tenure, along with financial documents. The unspent balance if any after the tenure of the grant should be returned to SERB by means of a Demand Draft favouring, 'FUND FOR SCIENCE AND ENGINEERING RESEARCH', payable at New Delhi.
9. 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.
10. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project.
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 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. As this is the first grant being released for the project, no previous U/C is required.



(Doyil T.Vengayil)  
Scientist-D

Copy forwarded for information and necessary action to :-

1. The Principal Director of Audit, A.G.C.R Building, III Floor, I.P. Estate, Delhi- 110002.
2. Copy with three spare copies of the sanction to the Finance & Budget Officer, SERB, New Delhi.
3. The pay & Accounts officer, SERB, New Delhi.
4. Sanction Folder, SERB New Delhi.
5. File Copy- 2 Nos
6. ☒ Dr. Priya Panjabi – Massand,  
Assistant Professor,  
Department of Botany,  
University of Delhi,  
Delhi – 110 007.  
E-mail: [ppriyagen@yahoo.com](mailto:ppriyagen@yahoo.com)
7. The Registrar,  
University of Delhi,  
Delhi – 110 007.

Self Attested  
Priya Panjabi



(Doyil T.Vengayil)  
Scientist – D





UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

FD Diary No. - 1972  
Dated - 08.07.2015

F. No - 43-123/2014(SR)

Dated :- July, 2015

MRP-MAJOR-BOTA-2013-22364  
(GENERAL)

27 JUL 2015

The Under Secretary (FDIII),  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi-110002.

Sub:- Release of Grants-in-aid to -, University of Delhi, Delhi-110007 for the year 2015-16 under Plan in respect of Major Research Project entitled "Phylogenetic Systematics and Biogeography of Impatiens" awarded to R. Geeta, Department of Botany, Tenure of project for 3 year(s) w.e.f. 01/07/2015.

Sir/Madam,

I am directed to convey the approval sanction of the University Grants Commission for payment of grant of Rs. 6,33,000/- (Rupees: SIX LAKHS THIRTY THREE THOUSAND ONLY) as 1st instalment for the years 2015-16 towards Major Research Project to the REGISTRAR, -, University of Delhi, Delhi-110007 for the Plan expenditure to be incurred during 2015-16.

S. No.	Items	Head of Account	Amount Approved(Rs.)	Grant being Released as 1st Installment(Rs.)	Grant Already Released(Rs.)	Total Grant(Rs.)
A	Non-Recurring					
1.	Books & Journals	3(A).49(a).35	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	Equipment		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
B.	Recurring					
1.	Honorium to Retd. Teacher @ Rs. 18,000/- p.m.	3(A).49(a).31	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	a. Project Fellow (Non-Gate/Non NET) @ Rs. 14,000/- p.m. b. Project Fellow (Gate/NET/GPAT) @ Rs. 16,000/- p.m. Tenure - 3 year(s)		Rs. 6,00,000/-	Rs. 3,00,000/-	-	Rs. 3,00,000/-
3.	Chemical/Glassware/Consumable (Raw Material & Packaging Material etc.)		Rs. 2,10,000/-	Rs. 1,05,000/-		Rs. 1,05,000/-
4.	Contingency		Rs. 1,20,000/-	Rs. 60,000/-	-	Rs. 60,000/-
5.	Hiring Services		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
6.	Travel / Field Work		Rs. 1,50,000/-	Rs. 75,000/-	-	Rs. 75,000/-
7.	Any Other		Rs. 0/-	Rs. 0/-		Rs. 0/-
8.	Overhead Charges 10% of approved recurring Grant (Except Travel & Field Work)		Rs. 93,000/-	Rs. 93,000/-	-	Rs. 93,000/-
	Total (A + B)		Rs. 11,73,000/-	Rs. 6,33,000/-		Rs. 6,33,000/-



1. The sanctioned amount is debitable to the Major **Head 3(A).49(a).31 Rs. 6,33,000/- & Head 3(A).49(a).35 Rs. 0/-** and is valid for payment during financial year **2015-16**.
2. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Distributing Officer), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the **REGISTRAR , - University of Delhi, Delhi-110007** through Electronic mode as per the following details.

	Payment Details	
(a)	Bank Name & Address of Branch	SBI, Utility Centre, University of Delhi Branch, Delhi-110007
(b)	Account No.	10851298650
(c)	Type of Account (SB/Current/Cash Credit)	Saving
(d)	IFSC Code	SBIN0001067
(e)	MICR Code of Branch	110002030
(f)	Whether Bank Branch is RTGS or NEFT enabled? :	Yes (RTGS/NEFT/Both)
(g)	Name & Address of Account Holder	The Registrar, University of Delhi, Delhi-110007

3. The Grant is subject to the adjustment of the basis of Utilization Certificate in the prescribed performa submitted by the University/Colleges/Institution.
4. The University/College/Institution shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The University/Institution may follow the General Financial Rules, 2005 and take Urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFR's 2005 and instructions/guideline there under from time to time.
6. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
7. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased in function such assets shall revert to the University Grants Commission.
8. A register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed proforma.
9. The grantee institution shall ensure the utilization of grant-in-aid for which it is being **sanction/paid**. In case non-utilization/part utilization, thereof simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
10. The University/College/Institute shall follow strictly the Government of India / University Grants Commission guidelines regarding implementation of the reservation policy [**both vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.)**] in teaching and non-teaching posts.
11. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1976 etc.
12. The sanction is issued in exercise of the delegation of powers vide University Grants Commission Office Order No. **69/2014 F.No.10-11/12 (Admn. IA & B) dated 26/03/2014**.
13. The University/Institution shall strictly follow the University Grants Commission Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009.
14. The University/Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).
15. The accounts of the University/Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
16. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by



Government.

17. It is certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No. 531 P. No. \_\_\_\_\_.

18. The funds to the extent of Rs. \_\_\_\_\_ Crores are available under the scheme or BE/RE of the year 2015-16.

19. This issue with the concurrence of IFD Vide No. Diary No. 10946 Dated, 10.03.2015 .

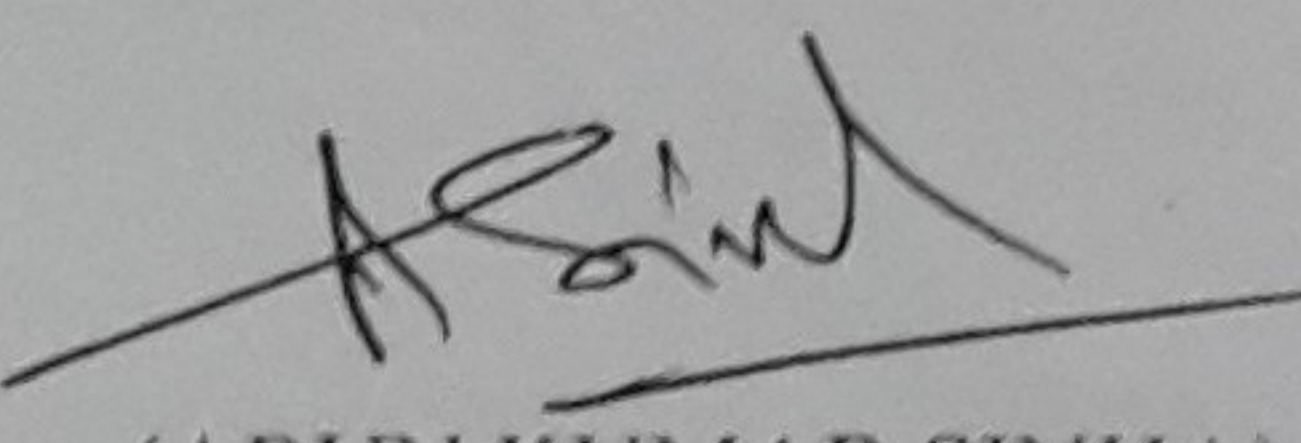
20. This issue with the approval of the **Chairman**, (UGC) Vide Diary No. 28731 Dated 30.04.2015 .

Yours faithfully,

(G.S AULAKH)  
Under Secretary

Copy forwarded for information and necessary action to :-

1. The **REGISTRAR**, - *Univ. of Delhi, Delhi*
2. Office of the Director General of Audit, Central Revenues, A.G.C.R. Building, I.P. Estate, New Delhi.
3. Accountant General, Govt. of State, **Delhi** .
4. Dr. **R. Geeta** , Principal Investigator, **Department of Botany** , -, **University of Delhi, Delhi-110007** .
5. The **Principal**, -, **University of Delhi, Delhi-110007**

  
(ARUN KUMAR SINHA)  
SECTION OFFICER



FILE NO. EMR/2016/002780  
**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: 03-Mar-2017

**ORDER**

Subject: Financial Sanction of the research project titled "**At NDL Proteins: Molecular Mechanism of Action in Regulation of Plant Growth and Development**" under the guidance of Dr. Yashwanti Mudgil, Department of Botany, University of Delhi, North Campus, New Delhi, Delhi, New Delhi, Delhi-110007 and by Dr. Girish Mishra, Assistant Professor, Botany, University Of Delhi, North Campus - 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. 4089415/- (Rs. Forty Lakh Eighty Nine Thousand Four Hundred and Fifteen Only)** with break-up of **Rs. 999650/- under Capital (Non-recurring) head** and **Rs. 3089765/- under General (Recurring) head** for a duration of Three years. The items of expenditure for which the total allocation of **Rs. 4089415/-** has been approved are given below:

The following budget may be considered for **University Of Delhi, North Campus, New Delhi, Delhi**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> PCR machine -> Gel documentation system -> minor equipment-Electrophoresis unit (Mini protean Tetra Cell)	999650
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>999650</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2718000
2	Recurring - B : (Overhead Charges)	371765
<b>B'</b>	<b>Total (Recurring)</b>	<b>3089765</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4089415</b>

2. Sanction of the **SERB** is also accorded to the payment of
  - **Rs. 999650/-** (Rupees Nine Lakh Ninety Nine Thousand Six Hundred and Fifty only) under 'Grants for creation of capital assets' and **Rs. 100000/-** (Rupees One Lakh only) under 'Grants-in-aid General' to Registrar, **University Of Delhi, North Campus, New Delhi, Delhi** 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 Plant Sciences)**
4. The Sanction has been issued to University Of Delhi, North Campus, New Delhi, Delhi with the approval of the competent authority under delegated powers on **22 February, 2017** and vide Diary No. **SERB/F/8892/2016-17** dated **02 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. 1099650/-** (Rupees Ten Lakh Ninety Nine Thousand Six Hundred and Fifty 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	The Registrar, University of Delhi
Account Number	10851298650
Bank Name & Branch	State Bank of India SBI, Utility Centre, University of Delhi Branch Delhi -110007
IFSC/RTGS Code	SBIN0001067
Email id of A/C Holder	finance3.1du@gmail.com
Email id of PI	ymudgil@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/2016/002780 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.

*Shilpi*

(Dr. Shilpi Paul)

Scientist E

ms\_ps@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.	<p>Dr. Yashwanti Mudgil <b>Department of Botany</b> University of Delhi, North Campus, New delhi, delhi, New delhi, Delhi-110007 Email: ymudgil@gmail.com Mobile: 919540039315</p> <p>Dr. Girish Mishra Botany University Of Delhi, North Campus (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p>Registrar, University Of Delhi, North Campus, New Delhi, Delhi</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

*Shilpi*

(Dr. Shilpi Paul)

Scientist E

ms\_ps@serbonline.in



FILE NO. EMR/2016/002780  
**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: 17-Aug-2017

**ORDER**

Subject: Research project entitled "**At NDL Proteins: Molecular Mechanism of Action in Regulation of Plant Growth and Development**" under the guidance of Dr. Yashwanti Mudgil, Department of Botany, University of Delhi, North Campus, New Delhi, Delhi, New Delhi, Delhi-110007 and by Dr. Girish Mishra, Assistant Professor, Botany, University Of Delhi, North Campus.

1. This is in continuation of SERB's sanction order No. "EMR/2016/002780" dated "03 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. 1000000/-** (Rupees Ten Lakh only) under 'Grants-in-aid General' to **Registrar, University Of Delhi, North Campus, New Delhi, Delhi** 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. 1099650/-** (Rupees Ten Lakh Ninety Nine Thousand Six Hundred and Fifty only) (Recurring Rs. 100000 and Non-Recurring Rs. 999650) to University of Delhi, North Campus, New Delhi, Delhi 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](http://www.serb.gov.in)).

5. It is certified that provision of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.

6. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**  
**This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Plant Sciences)**  
**(\$PI\_CATEGORY\$)**

7. The Sanction has been issued to University Of Delhi, North Campus, New Delhi, Delhi with the approval of the competent authority under delegated powers on **11 August, 2017** and vide Diary No. **SERB/F/4931/2017-2018** dated **16 August, 2017**

8. The release amount of **Rs. 1000000/-** (Rupees Ten Lakh 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	The Registrar, University of Delhi
Account Number	10851298650
Bank Name & Branch	State Bank of India SBI, Utility Centre, University of Delhi Branch Delhi -110007
IFSC/RTGS Code	SBIN0001067
Email id of A/C Holder	finance3.1du@gmail.com
Email id of PI	ymudgil@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.

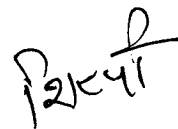
10. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

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. Shilpi Paul)  
Scientist E  
ms\_ps@serbonline.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.	<b>Dr. Yashwanti Mudgil</b> <b>Department of Botany</b> <b>University of Delhi, North Campus , New delhi, delhi, New delhi, Delhi-110007</b> <b>Email: ymudgil@gmail.com</b> <b>Mobile: 919540039315</b>  <b>Dr. Girish Mishra</b> <b>Botany</b> <b>University Of Delhi, North Campus</b>
5.	<b>Registrar,</b> <b>University Of Delhi, North Campus, New Delhi, Delhi</b>



(Dr. Shilpi Paul)  
Scientist E  
ms\_ps@serbonline.in



## SCIENCE &amp; ENGINEERING RESEARCH BOARD

(A Statutory body under Department of Science &amp; Technology, Govt. of India)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016  
Dated 10-09-2013

**ORDER**

Subject: Financial Sanction of the research project titled entitled "Application of *Agrobacterium tumefaciens* mediated transformation for tagging genes responsible for virulence in *Botrytis cinerea*." under the guidance of Dr. (Mrs.) Rupam Kapoor, Associate Professor, Department of Botany, University of Delhi, Delhi - 110 007. 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. 44,16,200/- (Rupees Forty four lakhs sixteen thousand two hundred only) with break-up of Rs. 11,49,200/- under Capital head and Rs.32,67,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs.44,65,720/- 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	Equipments i) -80°C Upright Freezer ii) Gel Documentation system iii) Minor equipments 1 Water bath 2 Digital dry block ,with 2 adaptors	11,49,200/-
A'	Total (Capital)	11,49,200/-
<b>B</b>	<b>Recurring Items (General)</b>	
1	General -A (Manpower, Consumables, Travel, Contingencies)	27,67,000/-
2	General - B (Overhead Charges)	5,00,000/-
B'	Total (General)	32,67,000/-
<b>C</b>	<b>Total cost of the project (A'+B')</b>	<b>44,16,200/-</b>

2. Sanction of the SERB is also accorded to the payment of Rs.11,49,200/- (Rupees Eleven lakhs forty nine thousand two hundred only) under 'Grants for creation of Capital assets' and Rs.10,00,000/- (Rupees Ten lakhs only) under 'Grants-in-aid - General' to the Registrar, University of Delhi, Delhi - 110 007, being the grant for the year 2013-14 for implementation of the said research project.

Contd...2/-

14. As this is the first grant being released for the project, no previous U/C is required.
15. The balance amount, if any, may be returned through DD/Cheque in favor of "Fund for Science & Engineering Research" payable at New Delhi, at the completion of the project.



(Vinod Kumar)  
Scientist - F

Copy forwarded for information and necessary action to: -

1. Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, SERB, New Delhi
2. Pay Accounts Officer, SERB, New Delhi
3. Sanction Folder, SERB, New Delhi.
4. File Copy
5. ✓ Dr. (Mrs.) Rupam Kapoor,  
Associate Professor,  
Department of Botany,  
University of Delhi,  
Delhi - 110 007
6. Registrar,  
University of Delhi,  
Delhi - 110 007



(Vinod Kumar)  
Scientist - F



11/01/08  
**DRAFT**

**BT/PR11749/AGR/21/296/2008**

Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block No.2, 6-8 floor  
C.G.O. Complex, Lodhi Road,  
New Delhi-110 003

Dated.

**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 titled "**Cost effective *Glomus Fasciculatum* Formulation to Improve the Yield of Three Commercially Important Medicinal Plants-*Artemisia annua*, *Stevia rebaudiana* and *Andrographis paniculata***" submitted by Dr. Rupam Kapoor, Reader, Dept. of Botany, University of Delhi, Chattra Marg, New Delhi-110 007 at a total cost of **Rs. 47.74 lakhs (Rupees Forty seven lakhs and seventy four thousand only)** for the period of 3 years on the terms and conditions detailed hereunder:

**2.0 The Project :**

**2.1 Project Title :** "Cost effective *Glomus Fasciculatum* Formulation to Improve the Yield of Three Commercially Important Medicinal Plants - *Artemisia annua*, *Stevia rebaudiana* and *Andrographis paniculata*"

**2.2 Investigators :**

**Principal Investigator:** **Dr. Rupam Kapoor**  
Reader,  
Dept. of Botany,  
University of Delhi,  
Chattra Marg, New Delhi-110 007

**Name of the Co-PI:** **Dr. Alok Adholeya**  
Director,  
Dept. of Centre for Mycorrhizal Research,  
BMB Division, The Energy and Resources  
Institute (TERI), Darbari Seth Block, New  
Delhi-110 003

**Dr. Bhoopander Giri**  
Assistant Professor,  
Dept. of Botany,  
University of Delhi,  
Swami Shradhananad College,  
Ailpur Road, New Delhi-110 007

**2.3 Project Objectives:**

1. Field validation of performance of *Glomus fasciculatum* and other AMF species including *G. intraradices* on *Artemisia annua*, *Stevia rebaudiana* and *Andrographis paniculata*-DU.
2. Standardize monoxenic cultivation of *Glomus fasciculatum* by root-organ culture-TERI.
3. Formulate *G. fasciculatum* inoculums-TERI.
4. Evaluate the performance of the end product-DU, TERI.



(In lakhs Rs)

Gross Budget (3 Years)

Budget Head	57
Equipments	171
Consumables	25.56
Manpower	2.9
Contingency*	6
Maintenance*	2.5
Travel*	264.96
<b>GRAND TOTAL</b>	

\* - Consolidated for entire duration of the project

PI based budget (I year requirements)

	Dr. Shailendra Goel	Dr. Arun Jagannath	Dr. Manu Agarwal	Dr. Roopam Kapoor	Prof. I. Usha Rao	Prof. Amar Kumar	TOTAL
Equipment	45	0	0	8	0	4	57
Consumable	16	13	13	5	4	4	55
Manpower	0.6	0.6	1.68	0	0	5.64	8.52
Contingency	0	0	0	0	0	0.9	0.9
Maintenance	0	0	0	0	0	2	2
Travel	0	0	0	0	0	0.85	0.85
<b>TOTAL</b>	<b>61.6</b>	<b>13.6</b>	<b>14.68</b>	<b>13</b>	<b>4</b>	<b>17.39</b>	<b>124.27</b>

PI based budget (II year requirements)

	Dr. Shailendra Goel	Dr. Arun Jagannath	Dr. Manu Agarwal	Dr. Roopam Kapoor	Prof. I. Usha Rao	Prof. Amar Kumar	TOTAL
Equipment	0	0	0	0	0	0	0
Consumable	15	15	15	6	4	4	59
Manpower	0.6	0.6	1.68	0	0	5.64	8.52
Contingency	0	0	0	0	0	1	1
Maintenance	0	0	0	0	0	2	2
Travel	0	0	0	0	0	0.85	0.85
<b>TOTAL</b>	<b>15.6</b>	<b>15.6</b>	<b>16.68</b>	<b>6</b>	<b>4</b>	<b>13.49</b>	<b>71.37</b>

PI based budget (III year requirements)

	Dr. Shailendra Goel	Dr. Arun Jagannath	Dr. Manu Agarwal	Dr. Roopam Kapoor	Prof. I. Usha Rao	Prof. Amar Kumar	TOTAL
Equipment	0	0	0	0	0	0	0
Consumable	15	15	15	4	4	4	57
Manpower	0.6	0.6	1.68	0	0	5.64	8.52
Contingency	0	0	0	0	0	1	1
Maintenance	0	0	0	0	0	2	2
Travel	0	0	0	0	0	0.8	0.8
<b>TOTAL</b>	<b>15.6</b>	<b>15.6</b>	<b>16.68</b>	<b>4</b>	<b>4</b>	<b>13.44</b>	<b>69.32</b>

Details of the equipment (PI based)

Dr. Shailendra Goel	Dr. Arun Jagannath	Dr. Manu Agarwal	Dr. Roopam Kapoor	Prof. I. Usha Rao	Prof. Amar Kumar
Licor AFLP system	Gas Chromatograph	Administrative Asst.	Establishment of fungal growth room	Establishment of culture room	Research Scientist (Plant Breeding)
Minor equipments	Field/Lab Attendant @ 4,000 p.m.	@ 4,000 p.m.	Incubator shaker	@ 30,000 p.m.	Technical Assistant @ 17,000 p.m.

Details of the manpower (PI based)

Dr. Shailendra Goel	Dr. Arun Jagannath	Dr. Manu Agarwal	Dr. Roopam Kapoor	Prof. I. Usha Rao	Prof. Amar Kumar
Licor AFLP system	Gas Chromatograph	Administrative Asst.	Establishment of fungal growth room	Establishment of culture room	Research Scientist (Plant Breeding)
Minor equipments	Field/Lab Attendant @ 4,000 p.m.	@ 4,000 p.m.	Incubator shaker	@ 30,000 p.m.	Technical Assistant @ 17,000 p.m.

## Annexure 10b

et sent to Project Co-ordinator  
Dr Shailendra Kumar through  
E-mail  
Records are with DU Finance



F. No. 19-70/2008-RE  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS  
(RE DIVISION)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi-110003  
Date: 27-04-2010

14.5

To,  
The Pay & Accounts Officer  
Ministry of Environment & Forests  
New Delhi.

Subj: Release of Grants-in-Aid to Registrar, Delhi University, Delhi for the year 2010-11-  
Plan/Recurring.

Sir,

I am directed to convey the Sanction of the President to the approval of the research project entitled "Development of a low cost process for fluoride removal from fluoride contaminated water specific to NE Region for public use" under the guidance of Dr. Rupam Kapoor, Department of Botany, Delhi University, Delhi at a total cost of Rs. 24, 98,728/-(Rupees Twenty four lakhs ninety eight thousand seven hundred twenty eight only) for a period of 3 years as per the break up given below:-

Heads	1 <sup>st</sup> year (Rs)	2 <sup>nd</sup> year (Rs)	3 <sup>rd</sup> year (Rs)	Total (Rs.)
<b>Salaries</b>				
JRF (1) @ Rs. 12,000-12,000- 15,000+15% HRA	1,65,600	1,65,600	1,93,200	5,24,400
Tech. Asstt	41,400	41,400	48,300	1,31,100
PE	12,26,774			12,26,774
Open top chamber, Infra Red Gas Analyzer & Microtome Razor)				
<b>Expendables</b>	50,000	45,000	45,000	1,40,000
<b>Travel</b>	20,000	20,000	20,000	60,000
<b>Sub-total</b>	15,03,774	2,72,000	3,06,500	20,82,274
<b>Contingency @ 5%</b>	75,188	13,600	15,325	1,04,113
<b>Institutional Charges @15%</b>	2,25,566	40,800	45,975	3,12,341
<b>Grand Total</b>	18,04,528	3,26,400	3,67,500	24,98,728

2. Sanction of the President is also hereby conveyed to the release of an amount of Rs. 18,04,528/- (Rupees Eighteen Lakhs four Thousand five hundred and twenty eight only) towards Grant-in-Aid to the Registrar, Department of Botany, Delhi University, Delhi for the above research project for the financial year 2010-11 Plan/Recurring. The breakup of the amount of Rs. 18,04,528/-(Rupees Eighteen Lakhs four Thousand five hundred and twenty eight only) as first Installment of the grant for 2010-11 as per details given below:-

Item	Amount (in Rs.)
Salaries	2,07,000
P E	12,26,774
Expendables	50,000
Travel	20,000
Contingencies 5%	75,188
Institutional Charges 15%	2,25,566
<b>Total</b>	<b>18,04,528</b>

Contd...





UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

FD Diary No. - 10226  
Dated - 20.11.2015

F. No. - 43-98/2014(SR)

Dated :- DEC, 2015

MRP-MAJOR-BOTA-2013-1998  
(GENERAL)

The Under Secretary (FDIII),  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi-110002.

29 DEC 2015

Sub:- Release of Grants-in-aid to -, UNIVERSITY OF DELHI DELHI-110007 for the year 2015-16 under Plan in respect of Major Research Project entitled "A search for Molecular.....redox status." awarded to Dr. RENU DESWAL, Department of BOTANY, Tenure of project for 3 year(s) w.e.f. 01/07/2015.

Sir/Madam,

I am directed to convey the approval sanction of the University Grants Commission for payment of grant of Rs. 5,10,000/- (Rupees: FIVE LAKHS TEN THOUSAND ONLY) as 1st instalment for the years 2015-16 towards Major Research Project to the REGISTRAR, -, UNIVERSITY OF DELHI DELHI-110007 for the Plan expenditure to be incurred during 2015-16.

S. No.	Items	Head of Account	Amount Approved(Rs.)	Grant being Released as 1st Installment(Rs.)	Grant Already Released(Rs.)	Total Grant(Rs.)
A.	Non-Recurring					
1.	Books & Journals	3(A).49(a).35	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	Equipment		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
B.	Recurring					
1.	Honorium to Retd. Teacher @ Rs. 18,000/- p.m.		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	a. Project Fellow (Non-Gate/Non NET) @ Rs. 14,000/- p.m. b. Project Fellow (Gate/NET/GPAT) @ Rs. 16,000/- p.m. Tenure - 3 year(s)		Rs. 6,00,000/-	Rs. 3,00,000/-	-	Rs. 3,00,000/-
3.	Chemical/Glassware/Consumable (Raw Material & Packaging Material etc.)	3(A).49(a).31	Rs. 2,00,000/-	Rs. 1,00,000/-		Rs. 1,00,000/-
4.	Contingency		Rs. 50,000/-	Rs. 25,000/-	-	Rs. 25,000/-
5.	Hiring Services		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
6.	Travel / Field Work		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
7.	Any Other		Rs. 0/-	Rs. 0/-		Rs. 0/-
8.	Overhead Charges 10% of approved recurring Grant (Except Travel & Field Work)		Rs. 85,000/-	Rs. 85,000/-		Rs. 85,000/-
	Total (A + B)		Rs. 9,35,000/-	Rs. 5,10,000/-	जी. एस. आलख	Rs. 5,10,000/-

G. S. AULAKH

अवर सचिव / Under Secretary  
विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
मानव संसाधन विकास मंत्रालय  
Min. of Human Resource Development  
भारत सरकार / Govt. of India  
नई दिल्ली / New Delhi-110002

4.4.16 - Canara Bank, UGC  
UTRNO - P16040486529364  
100 No-6335



**Assets acquired wholly or substantially out of Government grants  
Register to be maintained by Grantee Institution**

Name of the Sanctioning Authority: Department of Biotechnology (DBT)

1. Sl. No. BT/PR10799/NDB/51/171/2008

2. Name of Grantee Institution University of Delhi

3. No. & Date of sanction order BT/PR10799/NDB/51/171/2008 dated 01/01/2009

4. Amount of the sanctioned grant Rs.51,01,045

5. Brief purpose of the grant Analysis of antifreeze proteins in seabuckthorn

6. Whether any condition regarding NA  
the right of ownership of Govt. in  
the property or other assets acquired  
out of the grant was incorporated in  
the grant –in-aid sanction order.

7. Particulars of assets (Name, cost & date of purchase)  
actually credited or acquired.

S. No.	Name	Date of purchase	Cost at time of purchase
	Computer (Apple iMac)	31-03-09	66,350 ✓
1	UV-visible spectrophotometer	24-11-09	2,38,446 ✓
2	Refrigerated centrifuge	24-11-09	5,24,459+51,408= 5,75,867
3	Phase contrast microscope	10-02-10	7,48,673+79,648= 8,28,3,21
4	Nanoliter Osmometer	13-01-10	3,05,927+17,504= 3,23,431
5	10 kVa Elnova online UPS	10-12-09	95,000 ✓
6	10 kVa Elnova online UPS batteries	19-12-09	35,000 ✓
7	HP laserjet all in one printer (HP 2727NF)	06-01-10	41,496 ✓
8	1.5 ton Vertis plus window A/C	17-11-09	19,300
9	5 kVa Elnova online UPS	23-02-10	77,000 ✓
10	Refrigeration unit for freezing stage	17-05-10	93,187+13,213*= 1,06,400
11	Rotor	28-04-10	68,355+6996= 75,351
12	Control unit for freezing stage	17-05-10	64,120 ✓
13	Netgear wireless router	06-05-10	2310
14	Computer table made with wooden teak	10-02-10	7,000
15	Paper shredder	05-03-10	6,000
16	Toner cartridge	12-01-10	11,752 ✓
	<b>Total</b>		<b>25,73,144</b>

\* Rs 3335 was settled from budget head overhead

8. Value of the assets as on Rs. 25,73,144

9. Purpose for which utilised at present Research work for the scheme





Amar <jeetamar3879@gmail.com>

**Fwd: Fw: Partnership Project, IBSD, Imphal**

1 message

shruti sharma <shruti1514@gmail.com>  
To: jeetamar3879@gmail.com

Fri, Oct 20, 2017 at 1:14 PM

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

From: "renu deswal" <renudeswal@yahoo.co.in>  
Date: Oct 18, 2017 16:30  
Subject: Fw: Partnership Project, IBSD, Imphal  
To: "Shruti Sharma" <shruti1514@gmail.com>  
Cc:

Renu Deswal  
Professor, Department of Botany, University of Delhi, Delhi-7 India.

On Monday, 1 May 2017 1:45 PM, renu deswal <renudeswal@yahoo.co.in> wrote:

sanction letter

Renu Deswal  
Professor, Department of Botany, University of Delhi, Delhi-7 India.

Show original message

On Monday, 1 May 2017 12:50 PM, Mohendro Singh <mswakambam@gmail.com> wrote:

No. IBSD/A1/P(PH-2)/4

20<sup>th</sup> April, 2016

Prof. Renu Deswal  
Principal Investigator  
IBSD Partnership Programme

**Subject:** Sanction for the implementation of the project under IBSD- Partnership programme entitled "Characterizing unexplored Seabuckthorn germplasm in Sikkim for antifreeze proteins, secondary metabolites, its comparison with germplasm of Lahaul and Spiti valley, Himachal Pradesh and also utilizing the bioresources for uplifting the livelihood of local people."

Dear Madam,

This refers to the MOA signed for the above project, I am glad to inform you that a total amount of Rs. 50.00 lakhs has been sanctioned for the above project of a period of two years. The first year grant amounting Rs. 26.70 lakhs has been released by IBSD on 29th March, 2017 via electronic transfer. The details of the break up of the sanctioned amount is attached as per the MOA.



The progress of the work will be monitored periodically. The date of implementation of the project is the date of release of money.

Dr. W. Mohendro Singh  
(Technical Officer, Admin)  
IBSD, Imphal

Copy to:

- 1.Registrar, University of Delhi
- 2.PI of IBSD, Prof. Dinabandhu Sahoo,
- 3.Office file

The second year budget will be released on the basis of review and after submission of Utilization certificate.

 Renu\_Deswal.doc  
43K



FILE NO. EEQ/2016/000164  
**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: 31-Jan-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Quantifying the total ecosystem level carbon sequestration potential of different forest ecosystem along an elevational gradient in Uttarakhand, Western Himalaya in different climate scenarios" under the guidance of Dr. RATUL BAISHYA, BOTANY, University of Delhi, North Campus, New Delhi, Delhi, New Delhi, Delhi-110007 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 4148000/- (Rs. Forty One Lakh Forty Eight Thousand Only) with break-up of Rs. 1500000/- under Capital (Non-recurring) head and Rs. 2648000/- under General (Recurring) head for a duration of Four years. The items of expenditure for which the total allocation of Rs. 4148000/- has been approved are given below:

The following budget may be considered for University Of Delhi, North Campus, New Delhi, Delhi

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> -20 degree freezer -> INCREMENTAL BORER -> Computer, UPS and printer -> Digital Camera -> DIGESTION & SCRUBBER SYSTEM -> Portable leaf area meter	1500000
A'	Total (Non-Recurring)	1500000
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2272000
2	Recurring - B : (Overhead Charges)	376000
B'	Total (Recurring)	2648000
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4148000</b>

2. 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. 660000/- (Rupees Six Lakh Sixty Thousand only) under 'Grants-in-aid General' to The Registrar, University of Delhi, University Of Delhi, North Campus, New Delhi, Delhibeing 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 Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)

4. The Sanction has been issued to University Of Delhi, North Campus, New Delhi, Delhi with the approval of the competent authority under delegated powers on 21 January, 2017 and vide Diary No. SERB/F/7712/2016-17 dated 28 January, 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. 2160000/- (Rupees Twenty One Lakh Sixty 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	The Registrar, University of Delhi
--------------	------------------------------------



Account Number	10851298650
Bank Name & Branch	State Bank of India State Bank of India, Utility Center, University of Delhi, Delhi 110007, 011-27662308, 27667142
IFSC/RTGS Code	SBIN0001067
Email id of A/C Holder	finance3.1du@gmail.com
Email id of PI	rbaishyadu@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. EEQ/2016/000164 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. 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
4.	Dr. RATUL BAISHYA BOTANY University of Delhi, North Campus, New delhi, delhi, New delhi, Delhi-110007 Email: rbaishyadu@gmail.com Mobile: 919910807343 (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, University of Delhi, University Of Delhi, North Campus, New Delhi, Delhi (Receipt of Grant may be intimated by name to the undersigned)

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





Ratul Baishya &lt;rbaishyadu@gmail.com&gt;

**SB/YS/LS-88/2013**

message

JACOB VV &lt;jacobserb2012@gmail.com&gt;

Mon, Oct 7, 2013 at 12:55 PM

To: rbaishyadu@gmail.com

**NO. SB/YS/LS-88/2013****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: 4 October, 2013****ORDER**

Subject: Financial Sanction of the research project titled "The dynamics of soil carbon sequestration in the Ridge forest ecosystem of Delhi NCT" under the guidance of **Dr. Ratul Baishya, Deptt. of Botany, University of Delhi, North Campus, Delhi-110007**.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 23,50,000/- (Rs. Twenty Three Lakh Fifty Thousand Only)** with break-up of **Rs. 12,00,000/- under Capital head** and **Rs. 11,50,000/- under General head** for a duration of three years. The items of expenditure for which the total allocation of **Rs. 23,50,000/-** has been approved for a period of three years, are given below:

Sl. No	Head	Total(in Rs.) for 3 years
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
1	Equipment Automated Soil CO <sub>2</sub> Flux System, Computer and accessories	12,00,000
<b>A'</b>	<b>Total (Capital)</b>	<b>12,00,000</b>
<b>B</b>	<b>Recurring Items (General)</b>	
1	General - A (Manpower, Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	8,50,000
2	General - B	3,00,000



	(Overhead Charges)	
B'	Total (General)	11,50,000
C	Total cost of the project (A' + B') for 3 years	23,50,000

2. Sanction of the SERB is also accorded to the payment of Rs. 12,00,000/- (Rs. Twelve Lakh Only) under 'Grants for creation of Capital assets' and Rs. 3,00,000/- (Rs. Three Lakh Only) under 'Grants-in-aid - General' to the REGISTRAR, UNIVERSITY OF DELHI, 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. 12,00,000/-

&

Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 3,00,000/-

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/4216/2013-14 dated 4.10.2013.

5. 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/-

- 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. 15,00,000/- (Rs.Fifteen Lakh Only)** will be drawn by the Drawing & Disbursing Officer of the SERB and will be disbursed by means of cheque/DD favoring "REGISTRAR, UNIVERSITY OF DELHI, DELHI" and will be sent to Registrar, University of Delhi, North Campus, Delhi-110007.

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 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,



11. 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.
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 2005 and its disposal would be done with prior approval of SERB.
14. The project File no. **SB/YS/LS-88/2013** 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.

15. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring **FOR SCIENCE AND ENGINEERING RESEARCH** payable at New Delhi.

**"FUND**

(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	<p>Dr. Ratul Baishya</p> <p>Deptt. of Botany</p> <p>University of Delhi,</p> <p>North Campus,</p> <p>Delhi-110007,</p> <p>(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.)</p>
7	<p>Registrar</p> <p>University of Delhi</p> <p>North Campus, Delhi-110007</p>



(Receipt of Cheque/DD may be intimated by name to the undersigned.)

(Jacob V.V.)  
Scientist-D

—  
Regards,

*Jacob*

जेकब वी.वी

Jacob V.V.

Scientist

**SERB**

**5 & 5A, Lower Ground Floor**

**Vasant Square Mall, Plot No. A, Community Centre**

**Sector-5, Pocket-5, Vasant Kunj**

**New Delhi-110070**

SERB- 011-40000342

DST- 011-26590535

Jacob@nic.in with a copy to jacobserb2012@gmail.com



No. 22/9/2010-RE  
Government of India  
Ministry of Environment and Forests  
(RE Division)

Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi-110003  
Dated: 26 October, 2010

To  
The Pay & Accounts Officer  
Ministry of Environment & Forests  
New Delhi.

Subject: Release of Grants-in-Aid to the Registrar, University of Delhi for the year 2010-11-  
Plan/Recurring.

Sir,

I am directed to convey the sanction of the President of India to the approval of the project entitled "All India Coordinated Research Project on Reproductive Biology of Rare Endangered and Threatened (RET) Tree species namely: *Anogeissus sericea*, *Salvadora oleoides*, *Tecomella undulata*, and *Wrightia tomentosa* of Rajasthan" to Dr. Rajesh Tandon, Department of Botany, University of Delhi, Delhi at a total cost of Rs. 37,88,880/- (Rupees Thirty Seven Lakh, Eighty Eight Thousand, Eight Hundred Eighty only) for a period of four years, as per the break-up given below:-

Head	1st year	2nd year	3rd year	4th year	Total
1) Salary	3,74,400	3,74,400	4,36,800	4,36,800	16,22,400
a) JRF (2) @ Rs. 12000-12000-14000-14000 and HRA @ 30%					
b) Field Attendant (1) @ Rs.5000/- p.m. (fixed) for 4 yrs.	60,000	60,000	60,000	60,000	2,40,000
2) Permanent Equipment	2,95,000	-	-	-	2,95,000
3) Expandables	1,20,000	1,00,000	90,000	90,000	4,00,000
4) Travel	2,00,000	1,50,000	1,25,000	1,25,000	6,00,000
Sub Total	10,49,400	6,84,400	7,11,800	7,11,800	31,57,400
5) Contingencies	52,470	34,220	35,590	35,590	1,57,870
6) Institutional Charges	1,57,410	1,02,660	1,06,770	1,06,770	4,73,610
Grand Total	12,59,280	8,21,280	8,54,160	8,54,160	37,88,880

2. Sanction of the President is also hereby conveyed for the release of Rs.11,70,700/- (Rupees Eleven Lakh, Seventy thousand, Seven Hundred only) towards Grants-in-Aid to the Registrar, University of Delhi, Delhi for the above research project for the financial year 2010-11-Plan/Recurring being 1st installment of grants as per break-up given below:-

Items	Amount(in Rupees)
a) Salary	4,00,000/-
b) Permanent Equipment	2,95,000/-
c) Expendable	80,000/-
d) Travel	1,50,000/-
e) Contingencies	47,250/-
f) Institutional Charges	1,98,450/-
Total	11,70,700/-



BT/01/COE/08/06-II  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block 2, 6-8<sup>th</sup> Floor  
CGO Complex, Lodi Road  
New Delhi - 110002

Dated: 23.01.2015

#### 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 "Centre of Excellence on **Genome mapping and molecular breeding of Brassicas (Phase II)**" at a total cost of ₹ 486.55 lakhs (Rupees Four hundred Eighty Six lakhs Fifty Five thousand only) jointly at University of Delhi South Campus (UDSC), New Delhi (₹ 377.85 lakhs) and University of Delhi (DU), Delhi (₹ 108.70 lakhs) on the terms and conditions detailed here under:

#### 2.0 The Project:

##### 2.1 Project Title: Centre of Excellence on Genome mapping and molecular breeding of Brassicas (Phase II)

The Centres has the following sub-projects:

Lead Project 1: Fine genetic analysis and gene identification of complex yield components for further improvement of mustard (PI: Prof. Akshay K. Pradhan, UDSC, New Delhi)

Lead Project 2: Mapping of disease resistance loci in *B. juncea* and allied species for alternaria blight, white rust and stem rot (PI: Prof. Deepak Pental, UDSC, New Delhi)

✓ Satellite Project 1: Transgenic approaches for resistance to mustard aphids (PI: Dr. Arun Jagannath, University of Delhi, Delhi)

#### 2.2 Investigators:

Name and Address of Team Leader:	Prof. Deepak Pental Centre for Genetic Manipulation of Crop Plants, University of Delhi South Campus, New Delhi - 110021
Name and Address of Co-PI(s):	1. Prof. Akshay K. Pradhan, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi - 110021 2. Dr. Arun Jagannath, Associate Professor, Department of Botany, University of Delhi, Delhi - 110007

#### 2.3 Objectives:

Lead Project 1: Fine genetic analysis and gene identification of complex yield components for further improvement of mustard (PI: Prof. Akshay K. Pradhan, UDSC, New Delhi)

1. Completion of the remaining activities on fine mapping and identification of candidate gene in the QTL hot-spot region of LG A7 and A10
  - i) Background selection in the carrier chromosome of NIL-QTL



## 2.7 Project Cost:

The year-wise estimated cost of the project is as under:

### I. UNIVERSITY OF DELHI SOUTH CAMPUS (UDSC), NEW DELHI

Lead Project 1: Fine genetic analysis and gene identification of complex yield components for further improvement of mustard (PI: Prof. Akshay K. Pradhan, UDSC, New Delhi)

and

Lead R&D Project 2: Mapping of disease resistance loci in *B. juncea* and the allied species for alternaria blight, white rust and stem rot (PI: Prof. Deepak Pental, UDSC, New Delhi)

		Amount (₹ in lakhs)					
S. No.	Items	Year I	Year II	Year III	Year IV	Year V	Total
A.	<b>Nonrecurring</b>						
1.	Equipment	15.00	0.00	0.00	0.00	0.00	15.00
B.	<b>Recurring</b>						
1.	Manpower	25.20	26.28	27.41	28.61	29.85	137.35
2.	Consumables	53.00	40.00	20.00	20.00	20.00	153.00
3.	Maintenance of equipment / Plant growth facilities	7.50	7.50	7.50	7.50	7.50	37.50
4.	Travel	1.00	1.00	1.00	1.00	1.00	5.00
5.	Contingencies	1.00	1.00	1.00	1.00	1.00	5.00
6.	Overheads	5.00	5.00	5.00	5.00	5.00	25.00
<b>Total (A+B):</b>		<b>107.70</b>	<b>80.78</b>	<b>61.91</b>	<b>63.11</b>	<b>64.35</b>	<b>377.85</b>

### II. UNIVERSITY OF DELHI (DU), DELHI

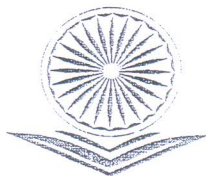
Satellite Project 1: Transgenic approaches for resistance to mustard aphids (PI: Dr. Arun Jagannath, University of Delhi, Delhi)

annath, University of Delhi, Delhi)

		Amount (₹ in lakhs)					
S. No.	Items	Year I	Year II	Year III	Year IV	Year IV	Total
A.	Nonrecurring						
1.	Equipment	0.00	0.00	0.00	0.00	0.00	0.00
B.	Recurring						
1.	Manpower	12.34	12.34	12.34	12.34	12.34	61.70
2.	Consumables	8.00	8.00	8.00	8.00	8.00	40.00
3.	Travel	0.40	0.40	0.40	0.40	0.40	2.00
4.	Contingencies	0.40	0.40	0.40	0.40	0.40	2.00
5.	Overheads	0.60	0.60	0.60	0.60	0.60	3.00
Total (A+B):		21.74	21.74	21.74	21.74	21.74	108.70
Grand Total:		129.44	102.52	83.65	84.85	86.09	486.55

- The Non-recurring expenditure involved is debitable to Demand No. 88: Department of Biotechnology; 3425: Other Scientific Research (Major Head); 60: Others (Sub-Major Head); 60.200: Assistance to other Scientific Bodies (Minor Head); 39: Programme for Promotion of Excellence and Innovation; 39.01: Centres for Excellence and Innovation; 39.01.35: Grants for Creation of Capital Assets for the year 2014-2015 (Plan) and the Recurring expenditure involved is debitable to 39.01.31: Grants-in-Aid General for the year 2014-2015 (Plan).





P. No. 41-402/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

13 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths . Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled,

“Study of role of a meiotic gene DYAD in asporous and diplosporous apomicts”

Sir,

I am to refer to your letter forwarding the application of Dr. Vishnu Bhat of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 7,09,800/- (Rupees: seven lakh nine thousand eight hundred only) to the Registrar, University of Delhi, Delhi-110007 in r/o Major Research Project of Dr. Vishnu Bhat, Department of Botany for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Categ ory
A.	Non - Recurring		0	GEN
1.	Books & Journals	nil		
2.	Equipment ( )	nil		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12,000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	6,00,000/-		
4.	Hiring Services	30,000/-		
5.	Contingency	25,000/-		
6.	Travel/Field Work	nil		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	1,18,300/-		
	Total (A + B)	13,01,300/-	7,09,800/-	

The acceptance Certificate in prescribed format (Annexure-1 available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non –Recurring including Over Head Charges, and 50% of the total Recurring grant.