

INDIAN COUNCIL OF MEDICAL RESEARCH  
V. Ramalingaswami Memorial Anand Nagar, Post Box No. 1011  
New Delhi - 110029

No. AMR/17/2011-EC'D-I

Dated: 26/03/2012

To

The Director  
University Of Delhi South Campus  
Benito Juarez Road Dhaula Kuan  
New Delhi-110021

Subject: - Sanction and budget allotment for the New Schemes entitled,  
**"Comparative Genomics of B- Lactamase (Bla) Genes To Identify Target Sequences For B-Lactamase Inhibitors"** under Dr. J.S.Virdi, University Of Delhi South Campus, Benito Juarez Road Dhaula Kuan, New Delhi-110021

Sir,

1. The Director General of the Council sanctions the above mentioned research scheme initially for a period of One year from **30/03/2012** to **29/03/2013** subject to extension up to the total duration specified in para 3(3) below.
2. The Director General of the Council also sanctions the budget allotment of Rs. **25, 06,080** (Rupees. Twenty five lakh six thousand eighty only) as detailed in the attached statement for the year 2011-12 & 2012-13.
3. The grant-in-aid will be given subject to the following conditions:
  1. The payment of the grant will be made in lump-sum to the Head of the Institution. The first installment of the grant will be paid generally as soon as a report regarding the commencement of the project and appointment of the staff is received by the Council. The demand for payment of the subsequent installment of the grant should be placed with the Council in the prescribed Performa attached.
  2. The staff appointed on the project should be paid as indicated in the budget statement attached.
  3. The approved duration of the scheme **3 Years**. The annual extension will be given after review of the work done on the scheme during the previous year.
  4. A report on the progress made will be submitted to the Council as and when called for.
  5. The institute will maintain a separate account of the receipts and the expenditure incurred on the scheme and will furnish a utilization certificate and an audited statement of account pertaining to the grant.

The other terms and conditions are indicated in Annexure. The  
principal of the letter is to be followed as a general rule.

Yours faithfully

Admin. Officer  
for Director General

No. AMR/17/2011-ECD-I

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

1. Dr. J.S.Virdi, University Of Delhi South Campus, Benito Juarez Road Dhaula Kuan, New Delhi-110021. **The grant of Rs. 15.00 Lakhs for equipment may be released only on compilation of purchase procedure.**
2. Copy together with two copies of the budget statement forwarded to the Accounts Section, ICMR for information and necessary action.  
RFC No: ECD/Adhoc/51/2011-12 Dt-13/03/2012.
3. IRIS Cell (Division of P & I), ICMR. IRIS No.2011-13190
4. DEO 'B'

  
for Director General

**Budget Statement**  
Project No. 17/2011-ECD-I  
Date: 13/03/2012

Project entitled "Comparative Genomics of B. Pictomaculosa (Hb) Gene" to identify Target Sequences for B. Pictomaculosa Inhibitors under Dr. J.S. Verma University of Delhi South Campus, Benito Juarez Road Dhaula Kuan, New Delhi-110021

<b>1</b>	<b>Staff</b>	<b>Amount</b>
	(i) JRF (2) Rs. 16000/pm + HRA 30%	4,99,200
	(ii) Laboratory Attendant (1) 11581/- pm	1,38,972
<b>2</b>	<b>Contingency</b>	
	<b>Recurring</b>	
	(i) Chemicals/DNA Sequencing,	3,00,000
	(ii) Xerox/Postage/Stationary	20,000
	<b>Non Recurring (Equipments):-</b>	
	PCR machine, dual Block (1),	5,00,000
	Computational Facilities	10,00,000
<b>4</b>	<b>Overhead Charges 5%</b>	47,908
	<b>Total</b>	<b>25,06,080</b>

File No. AMR/17/2011-ECD-I

RFC No. ECD/Adhoc/51/2011-12 Dt-13/03/2012

Tele/Fax : 01982-252096  
Army : 2475



Government of India  
Ministry of Defence  
Defence Research & Development Organisation  
Defence Institute of High Altitude Research (DIHAR)  
PIN 901205, C/o 56 APO

118/6/DU-15 /DIHAR

16 July 2015

Director  
University of Delhi, South Campus  
New Delhi 110021

**SANCTION OF CARS ENTITLED "MOLECULAR SURVEILLANCE OF ANIMAL VIRAL PATHOGENS  
PREVALENT IN LEH-LADAKH REGION"**

1. Sanction is hereby accorded for undertaking the following CARS within the estimated cost indicated below:-

Title of the CARS & No	Sanction cost (Rs in Lakh)	PDC
"MOLECULAR SURVEILLANCE OF ANIMAL VIRAL PATHOGENS PREVALENT IN LEH-LADAKH REGION" (DIHAR/16/ CARS /2015)	9.84 Lakh	24 Months

2. Normal purchase and accounting procedure will be followed.
3. Based on this sanction budget provision of funds for actual expenditure will be made through periodical Budget Estimates under the relevant heads of accounts and expenditure will be debited to Major Head 2080 and Minor Head 110 of Defence Services Research and Development.
4. Maj Vikas Sharma, Microbiologist of DIHAR will be coordinator of the project.
5. The Principal Investigator (PI) will submit financial closure report of the CARS after PDC.
6. The PI will submit the Audited Detailed Statement of Expenditure, Utilization Certificate and Closure Report.
7. IPR issues viz Patent / Publication will be shared jointly with prior approval.  
Auth: No. DRDO/ DBFA/FA/83226/M/01/2031/D(R&D)dated 30 July 2010.

Encls : As above

(Dr. Bhuvesh Kumar)  
Director

**Copy to :**

Director General (Life Sciences)  
DRDO Bhawan, Rajaji Marg  
New Delhi -110011

- for info and necessary action, please.

Accounts Officer (R&D)  
Himparisar, Sector 37-A  
Chandigarh

- for info and necessary action, please.

✓ Dr. Rajeev Kaul  
Assistant Professor  
Dept of Microbiology  
University of Delhi, South Campus  
New Delhi 110021





**Indian Council of Agricultural Research**  
**NATIONAL AGRICULTURAL SCIENCE FUND**  
Room No. 707, KAB -I, Pusa, New Delhi – 110012

F. No. NASF/ABA-6021/2017-18

Dated: 31.03.2017

To,

The Vice Chancellor,  
University of Delhi,  
Delhi-110007

**Subject:** Sanction letter for the Research project entitled, “Understanding the molecular basis of peste-des- petits ruminants virus (PPRV) mediated host immune modulation for the development of next generation vaccine” under the National Agricultural Science Fund (NASF)

Sir,

The Empowered Committee (EC) of the NASF, considered the proposal on “Understanding the molecular basis of peste-des- petits ruminants virus (PPRV) mediated host immune modulation for the development of next generation vaccine” in its 28<sup>th</sup> meeting held on 10<sup>th</sup> March, 2017 and approved the proposal for implementation under the NASF. The total cost of this project is ₹ 210.55280 Lakh (Rupees two crore ten lakh fifty five thousand two hundred and eighty only) for a period of 3 years (April 2017 to March 2020). The financial sanction of the competent authority for the project is now being accorded for the period from 1<sup>st</sup> April 2017 to 31<sup>st</sup> March 2018. The sanction for the period from 1<sup>st</sup> April 2018 till the end of the project i.e. 31<sup>st</sup> March 2020 will be conveyed later. **No expenditure should be incurred beyond 31<sup>st</sup> March 2018 from the sanctioned amount (including the savings as on 1<sup>st</sup> April 2018) till the competent authority accords the sanction for 1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2020.** The Principal Investigator (PI) and the Co-operating Centre Principal Investigator (CCPIs) are the following.

**1. Name of the Lead Centre**

University of Delhi South Campus (UDSC), Benito Juarez Road, New Delhi – 110021

**2. Name & Designation of the Principal Investigator**

Dr. Rajeev Kaul, Assistant Professor, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi - 110021

**3. Names of Cooperating Centre**

- i. Indian Veterinary Research Institute (IVRI), Mukteswar, Naini Tal, Uttarakhand-263138
- ii. Indian Institute of Science Education & Research (IISER), Knowledge city, Sector 81, SAS Nagar, Manauli PO Mohali -140306
- iii. Nagpur Veterinary College (NVC), Seminary Hills, Nagpur -440006

**No. BT/PR14155/BRB/10/817/2010**  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO 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 entitled "**Hepatitis C Virus infection and Expression of COX-2**" for a period of 3 Year 0 Month at a total cost of Rs. **5566000** (Rupees Fifty Five Lakhs Sixty Six Thousand Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Hepatitis C Virus infection and Expression of COX-2"

**2.2 Project Investigator :**

**Dr. Rajeev Kaul**  
Assistant Professor  
Department of Microbiology  
Delhi University, South Campus  
Benito Juarez Road, Delhi -  
110021, Delhi

**2.3 Objectives:**

1. Identifying the HCV proteins which modulate Cox-2 expression.
2. Understanding the mechanism of Cox-2 regulation by HCV.
3. To investigate the biological significance of Cox-2 upregulation of HCV proteins.

**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. **5566000/-** (Rupees Fifty Five Lakhs Sixty Six Thousand Only) as per details given below :

Budget Head	Year I	Year II	Year III	Total(Rs.)
Equipment	2686000.00			2686000.00
Overhead	100000.00	100000.00	100000.00	300000.00
Travel	30000.00	30000.00	30000.00	90000.00
Consumables	800000.00	800000.00	800000.00	2400000.00
Contingency	30000.00	30000.00	30000.00	90000.00
<b>Total (Rs.)</b>	<b>3646000.00</b>	<b>960000.00</b>	<b>960000.00</b>	<b>5566000.00</b>

**2.6 Equipment:**

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

**2.7 Manpower:**

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

**3. Head of Account:**

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





F. No. 41-1144/2012 (SR)

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

30 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,

“Generation and characterization of a panel of epstein barr virus transformed lymphoblastoid cell lines of diverse origin”

Sir,

I am to refer to your letter forwarding the application of Dr. Rajeev Kaul of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 10,36,800/- (Rupees: ten lakh thirty six thousand eight hundred only) to the Registrar, University of Delhi, South Campus, New Delhi-110021 in r/o Major Research Project of Dr. Rajeev Kaul, Department of Microbiology 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		6,00,000/-	GEN
1.	Books & Journals	nil		
2.	Equipment (Nano drop)	6,00,000/-		
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	50,000/-		
6.	Travel/Field Work	nil		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	72,800/-		
	Total (A + B)	14,00,800/-	10,36,800/-	

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.



No. BT/PR15076/GBD/27/299/2011 (Order- I)  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block No.2, 6-8th Floors,  
CGO Complex, Lodi Road,  
New Delhi - 110 003  
Dated: 16.06.2011

**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 "**Cloning Expression and bioprocess optimization of recombinant human interleukin -7 (hIL-7) in pichia pastoris yeast expression system**" at Department of Microbiology, University of Delhi South Campus, Benito Juarez Marg, New Delhi with a total cost of ₹ **30.50 lakhs** (Rupees Thirty Lakhs and Fifty Thousands only) on the terms and conditions detailed here under:

**2.0 The Project :**

**2.1 Project Title:** "Cloning Expression and bioprocess optimization of recombinant human interleukin -7 (hIL-7) in pichia pastoris yeast expression system"

**2.2 Principal Investigator:** **Dr. Yogender Pal Khasa**, Assistant Professor,  
Department of Microbiology,  
University of Delhi South Campus,  
Benito Juarez Marg,  
New Delhi: 110021

**Co-PI:** **Prof. R. C. Kuhad**, Professor,  
Department of Microbiology,  
University of Delhi South Campus,  
Benito Juarez Marg,  
New Delhi: 110021

**2.3 Project Objectives :**

- Cloning of the hIL-7 gene under strong promoter and subsequent transformation of P. pastoris hosts to generate recombinant strains.
- Identification of best-host vector combination to achieve high hIL-7 expression.
- Optimization of cultivation media and induction strategies at shake flask level.
- Bioreactor studies using continuous stirred-tank reactor (CSTR) to obtain kinetic parameters of growth and product formation.
- High cell density Fed-batch cultivation using CSTR optimized parameter to obtain high volumetric productivity.
- Preparative scale product recovery using various affinities based chromatographic techniques.
- Biological activity of recombinants hIL-7.

**2.4 Time Schedule:**

The duration of the project is three years from the date of this sanction order.

**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.**

*Yogender Pal -*

**Dr. Yogender Pal Khasa**  
Assistant Professor  
Department of Microbiology  
University of Delhi South Campus  
New Delhi - 110 021



**NO. SR/FT/LS-54/2010**  
**SCIENCE & ENGINEERING RESEARCH BOARD**

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.

Dated: 4<sup>th</sup> May, 2012

**ORDER**

Subject: Financial Sanction of the research project titled "Bioprocess optimization of recombinant human granulocyte-macrophage colony-stimulating factor (hGM-CSF) expression in *Escherichia coli*" under the guidance of Dr. Yogender Pal Khalsa, Deptt. of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, Delhi- 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. 25,00,000/- (Rupees Twenty five lakh only) with break-up of Rs. 10,00,000/- under Capital head and Rs.15,00,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 25,00,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
1	Equipment Fermentor	10,00,000
<b>A'</b>	<b>Total (Capital)</b>	<b>10,00,000</b>
<b>B</b>		
1	General - A (Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	11,20,000
2	General - B (Overhead Charges)	3,80,000
<b>B'</b>	<b>Total (General)</b>	<b>15,00,000</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>25,00,000</b>

2. Sanction of the SERB is also accorded to the payment of Rs. 10,00,000/- (Rupees Ten lakh only) under 'Grants for creation of Capital assets' and Rs. 5,00,000/- (Rupees Five lakh only) under 'Grants-in-aid -General' to Director, University of Delhi South Campus, New Delhi being the grant for the year 2012-13 for implementation of the said research project.

3. The expenditure involved is debitable to

Grant-in-aid for the year 2012-13 (Plan Expenditure- Capital ) - Rs. 10,00,000/-

&

Grant-in-aid for the year 2012-13 (Plan Expenditure- General ) - Rs. 5,00,000/-

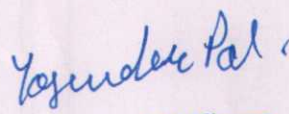
This release is made under OYS Scheme.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/ 84/2012-13 dated 16th April, 2012 .

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

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

  
Dr. Yogender Pal Khalsa  
Assistant Professor  
Department of Microbiology  
University of Delhi South Campus  
New Delhi - 110 021



23256351, 23232701, 23237721, 23234116  
23255733, 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. 41-1142/2012 (SR)

26 JUL 2012

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

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,  
"Bioprocess optimization of recombinant scFv production against hGM-CSF in methylotrophic yeast Pichia pastoris"

Sir,

I am to refer to your letter forwarding the application of Dr. Yogender Pal Khalsa of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an account grant of Rs. 5,95,000/- (Rupees: five lakh ninety five thousand only) to the Registrar, University of Delhi, South Campus, New Delhi-110002 in re Major Research Project of Dr. Yogender Pal Khalsa, Department of Microbiology 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		3,00,000/-	GEN
1.	Books & Journals	nil		
2.	Equipment (Refrigerated centrifuge)	3,00,000/-		
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.	nil		
3.	Chemical/ Glassware / Consumable	4,00,000/-		
4.	Hiring Services	nil		
5.	Contingency	50,000/-		
6.	Travel/Field Work	50,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	45,000/-		
	Total (A + B)	8,45,000/-	5,95,000/-	

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.

*Yogender Pal Kh.*

Dr. Yogender Pal Khalsa  
Assistant Professor  
Department of Microbiology  
University of Delhi South Campus  
New Delhi - 110 021



No. BT/PR5822/PID/6/684/2012  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 28/03/13

**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 "**Bioprocess development of recombinant therapeutics in Pichia pastoris: Human Interleukin-3 (hIL-3) as a model system.**" for a period of 3 Year 0 Month at a total cost of Rs. **5159000** (Rupees Fifty One Lakhs Fifty Nine Thousand Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Bioprocess development of recombinant therapeutics in Pichia pastoris: Human Interleukin-3 (hIL-3) as a model system."

**2.2 Project Investigator :**

Dr. Yogender Pal Khalsa  
PI  
Department of Microbiology  
Delhi University, South Campus  
Benito Juarez Marg, New Delhi, New Delhi -  
110021, Delhi

**CO-PI:**

Dr. Suneel Kateriya  
Assistant Professor  
Biochemistry  
University of Delhi, North Campus  
Department of Biochemistry, University of Delhi South  
Campus, Benito Juarez Marg, New Delhi (INDIA), New  
Delhi - 110021, Delhi

**2.3 Objectives:**

1. Cloning of the hIL-3 gene under different promoters and subsequent transformation in P. pastoris hosts to generate recombinant strains.
2. Identification of best-host vector combination to achieve high hIL-3 expression at shake flask level. In-vivo and in-vitro multi-copy integration will be done to boost hIL-3 expression in P. pastoris.
3. Optimization of cultivation media and induction strategies at shake flask level.
4. Bioreactor studies using continuous stirred-tank reactor (CSTR) to obtain kinetic parameters of growth and product formation.
5. High cell density Fed-batch cultivation to obtain high volumetric productivity at 5 L fermentor level.
6. Preparative scale product recovery using His-tag affinity based chromatographic techniques. Recombinant hIL-3 will be expressed in fusion of N-terminus His tag and SUMO protein. Product quality analysis by HPLC and MASS spectroscopy.
7. Biological activity of recombinant hIL-3 using TF-1 and M-07e (Human megakaryoblastic leukemia) cell line. Both glycosylated and non-glycosylated hIL-3 will be tested for biological activity.

**2.4 Time Schedule:**

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

*Yogender Pal*  
Dr. Yogender Pal Khalsa  
Assistant Professor  
Department of Microbiology  
University of Delhi South Campus  
New Delhi - 110 021



**No. BT/PR5490/MED/29/468/2012**

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

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

**Dated: 06/09/2012**

**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 "**Functional characterization of histone acetyltransferases HAT2 and HAT3 in the protozoan parasite Leishmania donovani**" for a period of 3 Year 0 Month at a total cost of Rs. **6064016** (Rupees Sixty Lakhs Sixty Four Thousand and Sixteen Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Functional characterization of histone acetyltransferases HAT2 and HAT3 in the protozoan parasite Leishmania donovani"

**2.2 Project Investigator :**

**Dr. Swati Saha**

PI

Department of Microbiology

Delhi University, South Campus

Benito Juarez Road, New Delhi, -

110021, Delhi

**2.3 Objectives:**

1. • Creation of a tetracycline-inducible Leishmania donovani expression strain.
2. • Use of the created inducible expression system for the knockdown of HAT2 and HAT3 proteins in Leishmania promastigotes
3. • Step-wise knockouts of both alleles of HAT2 and HAT3 genes in Leishmania donovani promastigotes
4. • Verification of authenticity of knockout cell lines.
5. • Analysis of knockdown/ knockout clonal lines for H4K4 and H4K10 acetylation status.
6. • Analysis of growth kinetics of knockdown/ knockout clonal lines.
7. • Analysis of cell cycle progression patterns of knockdown/ knockout clonal lines.
8. • Analysis of replication timing in knockdown/ knockout cell lines.
9. • Analysis of transcription of genes in knockdown/knockout cell lines.

**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. **6064016/-** (Rupees Sixty Lakhs Sixty Four Thousand and Sixteen Only) as per details given below :



Buduet Head	Year I	Year II	Year III	Total(Rs.)
Equipment	1493900.00			<b>1493900.00</b>
Manpower	513372.00	513372.00	513372.00	<b>1540116.00</b>
Overhead	100000.00	100000.00	100000.00	<b>300000.00</b>
Travel	30000.00	30000.00	30000.00	<b>90000.00</b>
Consumables	850000.00	850000.00	850000.00	<b>2550000.00</b>
Contingency	30000.00	30000.00	30000.00	<b>90000.00</b>
<b>Total (Rs.)</b>	<b>3017272.00</b>	<b>1523372.00</b>	<b>1523372.00</b>	<b>6064016.00</b>

## 2.6 Equipment:

The details of the equipment sanctioned for the implementation of the project at

### Annexure-I

## 2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at

### Annexure-II

## 3. Head of Account:

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

Demand No. 87	Department of Biotechnology
<b>3425</b>	Other Scientific Research 2012-2013
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Research & Development
<b>3425.60.200.29.04</b>	Medical Biotechnology and Releated Areas
<b>3425.60.200.29.04.35</b>	Grants for creation of capital assets

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

Demand No. 87	Department of Biotechnology
<b>3425</b>	Other Scientific Research 2012-2013
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Research & Development
<b>3425.60.200.29.04</b>	Medical Biotechnology and Releated Areas
<b>3425.60.200.29.04.31</b>	Grants in Aid General

## 4. Terms & Conditions:

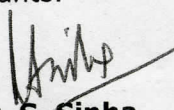
In case the whole or a part of the amount of the Grant-in-aid is being refunded, an interest at the rate of ten percent thereon shall be recovered.

As per GFR, the equipments sanctioned under the project should be purchased within 18 months from the date of the sanction.

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



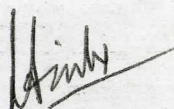
- 4.2 A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA by the grantee institutions and its acceptance 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
- 4.3 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 Director, Delhi University, South Campus, New 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/2551/2012-2013** dated **September, 05 2012**.
9. This sanction order has been noted at serial no. 28 in the Register of Grants.

  
**Dr. S. Sinha**  
(Adviser/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 Director, Delhi University, South Campus, BENITO JUAREZ ROAD, New Delhi - 110021, Delhi
- 3 Dr. Swati Saha, PI, Department of Microbiology, Delhi University, South Campus, Benito Juarez Road, New Delhi, - 110021, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.

  
**Dr. S. Sinha**  
(Adviser/Scientist 'G')

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 21/09/16

**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: "**Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani**" for a period of 3 Year 0 Month at a total cost of Rs. **6782347** (Rupees Sixty Seven Lakhs Eighty Two Thousand Three Hundred and Fourty Seven Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title : "Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani"**

**2.2 Details of the Investigations:**

**Dr. Swati Saha**

Associate Professor  
Department of Microbiology  
Delhi University, South Campus  
Benito Juarez Road, New Delhi,  
110021, Delhi

**2.3 Objectives:**

1. Biochemical histone acetylation assays to determine the substrate specificity of Elp3a and Elp3b.
2. Analysis of subcellular localization of Elp3a and Elp3b at different stages of cell cycle.
3. Raising modification-specific antibodies to the target sites determined by the in vitro biochemical assays.
4. Assessment of acetylation status of the two target sites at different stages of Leishmania and through various stages of the cell cycle.
5. Creation and screening of Elp3a and Elp3b knockouts.
6. Creation of Elp3a and Elp3b knockout rescue lines.
7. Analysis of acetylation status of the putative target sites in knockout lines.
8. Analysis of growth kinetics of knockout lines.
9. Analysis of cell cycle progression patterns of knockout lines.
10. Analysis of replication timing in knockout lines.





11. Analysis of transcription of genes in knockout lines.
12. Analysis of response of knockout lines to DNA damage-inducing agents.

#### 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. **6782347/-** (Rupees Sixty Seven Lakhs Eighty Two Thousand Three Hundred and Fourty Seven Only) as per details given below :

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	2118787.00			<b>2118787.00</b>
Manpower	568920.00	568920.00	615720.00	<b>1753560.00</b>
Overhead	100000.00	50000.00	50000.00	<b>200000.00</b>
Travel	10000.00		10000.00	<b>20000.00</b>
Consumables	900000.00	850000.00	850000.00	<b>2600000.00</b>
Contingency	30000.00	30000.00	30000.00	<b>90000.00</b>
<b>Total (Rs.)</b>	<b>3727707.00</b>	<b>1498920.00</b>	<b>1555720.00</b>	<b>6782347.00</b>

#### 2.6 Equipment:

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

#### 2.7 Manpower:

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

### 3. Head of Account:

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

Demand No. 79	Department of Biotechnology
<b>3425</b>	Other Scientific Research 2016-2017
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.35</b>	Grants for creation of capital assets

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





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

#### 4. Terms & Conditions:

- In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten percent thereon shall be recovered.
- Grantee Institution is a public funded organization.
- The equipment sanctioned under the project should be purchased within 18 months from the date of the release of the grant.

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

**4.2A** 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

**4.3** 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 Director, Delhi University, South Campus, New Delhi, Delhi would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.

**7.** PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-09/2012 dated on 21 Oct 2014. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.

**8.** 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.

**9.** This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/2475/2016-2017** dated **September, 21 2016**.

**10.** This sanction order has been noted at serial no. 38 in the Register of Grants.



(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'

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

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Delhi University, South Campus, Benito Juarez Road, New Delhi - 110021, Delhi
- 3 Dr. Swati Saha, Associate Professor, Department of Microbiology, Delhi University, South Campus, Benito Juarez Road, New Delhi - 110021, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.



**(Dr. Anamika Gambhir)**  
**Joint Director/Scientist 'E'**

Details of the Equipment sanctioned for the implementation of the project titled "**Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani**":

Delhi University, South Campus			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Real-time PCR Machine	1	2118787.00
Total			2118787.00

  
(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'

Details of the manpower sanctioned for the implementation of the project titled "**Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani**":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
The laboratory attendant	1	178920.00	178920.00	178920.00	<b>536760.00</b>
Junior Research Fellow	1	390000.00	390000.00		<b>780000.00</b>
Senior Research Fellow	1			436800.00	<b>436800.00</b>
<b>Total(Rs.)</b>		<b>568920.00</b>	<b>568920.00</b>	<b>615720.00</b>	<b>1753560.00</b>

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



**(Dr. Anamika Gambhir)**  
**Joint Director/Scientist 'E'**



**No. BT/PR12827/MED/29/929/2015**  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

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

Date: 23-09-2016

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated Sep 21, 2016 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **1608920.00** (Rupees Sixteen Lakhs Eight Thousand Nine Hundred and Twenty Only) being the first year release for the project entitled "**Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani**", being implemented by

Dr. Swati Saha, Delhi University, South Campus, Benito Juarez Road, New Delhi, North Delhi - 110021, Delhi

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Delhi University, South Campus	568920.00	900000.00	10000.00	30000.00	0.00	100000.00	1608920.00

2. The amount of Rs. **1608920.00** /-(Rupees Sixteen Lakhs Eight Thousand Nine Hundred and Twenty Only) will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:

The Director, Delhi University, South Campus, Benito Juarez Road, New Delhi - 110021, Delhi

Bank Name : State Bank of India  
Branch Name : South Campus  
A/c No. : 10043546386  
IFSC Code : SBIN0008778  
MICR Code : 110002175

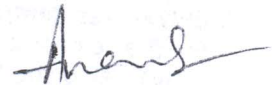
3. The expenditure involved is debitable to:

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

4. The Director, Delhi University, South Campus, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.



5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. i. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten percent thereon shall be recovered.  
ii. Grantee Institution is a public funded organization.  
The other terms and conditions governing the financial sanction will remain unaltered.
8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2476/2016-2017** dated **September, 21 2016**.
9. This sanction order has been noted at serial no. 39 in the Register of Grants.



(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'

To,

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

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 The Director, Delhi University, South Campus, Benito Juarez Road, New Delhi - 110021, Delhi
- 3 Dr. Swati Saha, Associate Professor, Department of Microbiology, Delhi University, South Campus, Benito Juarez Road, New Delhi, North Delhi - 110021, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.



(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'



No. BT/PR12827/MED/29/929/2015

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

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

Date: 23-09-2016

**RELEASE ORDER**

In continuation of this Department's sanction order of even number dated Sep 21, 2016 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2118787.00** (Rupees Twenty One Lakhs Eighteen Thousand Seven Hundred and Eighty Seven Only) being the first year release for the project entitled "**Investigation of the roles of GNAT-family histone acetyltransferases Elp3a and Elp3b in the protozoan Leishmania donovani**", being implemented by

Dr. Swati Saha, Delhi University, South Campus, Benito Juarez Road, New Delhi, North Delhi - 110021, Delhi

The detailed break-up is as given below:

SNo	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	Delhi University, South Campus	2118787.00	0.00	<b>2118787.00</b>

2. The amount of Rs. **2118787.00** /-(Rupees Twenty One Lakhs Eighteen Thousand Seven Hundred and Eighty Seven Only) will be drawn by the Drawing & Disbursing Officer, DBT, from the Pay & Accounts Officer, DBT, and disbursed through RTGS as per following details:

The Director, Delhi University, South Campus, BENITO JUAREZ ROAD, New Delhi - 110021, Delhi

Bank Name : State Bank of India  
Branch Name : South Campus  
A/c No. : 10043546386  
IFSC Code : SBIN0008778  
MICR Code : 110002175

3. The expenditure involved is debitable to:

Demand No. 79	Department of Biotechnology
<b>3425</b>	Other Scientific Research 2016-2017
<b>3425.60</b>	Others (Sub Major Head)
<b>3425.60.200</b>	Assistance to other Scientific Bodies (Minor Head)
<b>3425.60.200.29</b>	Biotechnology Research and Development
<b>3425.60.200.29.17</b>	Assistance for Research and Development
<b>3425.60.200.29.17.35</b>	Grants for creation of capital assets

4. The Director, Delhi University, South Campus, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

5. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. i. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten percent thereon shall be recovered.  
ii. Grantee Institution is a public funded organization.  
iii. The equipment sanctioned under the project should be purchased within 18 months from the date of the release of the grant.  
The other terms and conditions governing the financial sanction will remain unaltered.
8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2477/2016-2017** dated **September, 21 2016**.
9. This sanction order has been noted at serial no. 40 in the Register of Grants.


  
(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'

To,

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

**Copy to:**

- 1 The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi- 110 002.
- 2 The Director, Delhi University, South Campus, BENITO JUAREZ ROAD, New Delhi - 110021, Delhi
- 3 Dr. Swati Saha, Associate Professor, Department of Microbiology, Delhi University, South Campus, Benito Juarez Road, New Delhi, North Delhi - 110021, Delhi
- 4 Cash Section, DBT (2 copies).
- 5 Sanction Folder.
- 6 File Copy.

  
(Dr. Anamika Gambhir)  
Joint Director/Scientist 'E'



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. 2745000/- (Rupees Twenty Seven Lakh Forty Five 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	Director, University of Delhi South Campus
Account Number	10043546386
Bank Name & Branch	State bank of India State Bank of India South Campus Branch
IFSC/RTGS Code	SBIN0008778
Email id of A/C Holder	--
Email id of PI	ss5gp@yahoo.co.in

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.

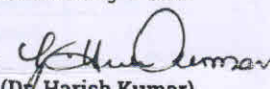
12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMR/2014/000139 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

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

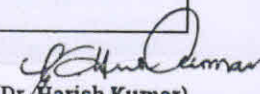
16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

  
(Dr. Harish Kumar)  
Scientist D  
ms\_bb@serbonline.in

To,  
Finance & Budget Officer  
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Swati Saha Microbiology University of Delhi, Dept of Physics & Astrophysics, Univ of Delhi, DELHI-110007 Email: ss5gp@yahoo.co.in Mobile: 919911156268 (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.	Director, University of Delhi South Campus, University Of Delhi, North Campus, New Delhi, Delhi  (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Harish Kumar)  
Scientist D  
ms\_bb@serbonline.in

copy of sanction  
order

FILE NO. EMR/2014/000139  
SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor  
Vasant Square Mall  
Plot No. A, Community Centre  
Sector-B, Pocket-5, Vasant Kunj  
New Delhi-110070

Dated: 08-Oct-2015

**ORDER**

Subject: Financial Sanction of the research project titled "Investigating DNA replication protein Cdc45 in *Leishmania donovani*" under the guidance of Dr. Swati Saha, Microbiology, University of Delhi, Dept of Physics & Astrophysics, Univ of 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. 4978943/- (Rs. Forty Nine Lakh Seventy Eight Thousand Nine Hundred and Forty Three Only) with break-up of Rs. 1480943/- under Capital (Non-recurring) head and Rs. 3498000/- under General (Recurring) head for a duration of three years. The items of expenditure for which the total allocation of Rs. 4978943/- 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 -> CO2 incubator plus cylinder -> Refrigerate orbital shaker -> Liquid nitrogen cell stock freezer -> Sonicator probes	1480943
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>1480943</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	2998000
2	Recurring - B : (Overhead Charges)	500000
<b>B'</b>	<b>Total (Recurring)</b>	<b>3498000</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>4978943</b>

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

- Rs. 1480000/- (Rupees Fourteen Lakh Eighty Thousand only) under 'Grants for creation of capital assets' and Rs. 1265000/- (Rupees Twelve Lakh Sixty Five Thousand only) under 'Grants-in-aid General' to Director, University of Delhi South Campus, University Of Delhi, North Campus, New Delhi, Delhi

being the first installment of the grant for the year 2015-2016 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). (Biophysics, Biochemistry, Molecular Biology and Microbiology)

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 02 September, 2015 and vide Diary No. SERB/F/3968/2015-16 dated 09 September, 2015

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.



**F.NO. SR/SO/BB-51/2010**  
**Science & Engineering Research Board**  
**(SERB)**

Technology Bhavan  
New Mehrauli Road  
New Delhi – 110016.

Dated: 3<sup>rd</sup> February, 2012

**ORDER**

**Subject :- Financial assistance for the research project entitled " Characterization of the DNA replication proteins Cdc6/ORC1 and MCM in the archaeon Picrophilus torridus" under guidance of Dr. Swati Shah, Associated Professor, Department of Microbiology, University of Delhi South Campus, Benito Jaurez Road, New Delhi-110021.**

Sanction of the SERB is hereby accorded to the above-mentioned project at a total cost of Rs.37,38,750/- (Rupees Thirty seven lakhs Thirty eight thousand seven hundred fifty only) with break-up of Rs.10,68,750/- (Rupees Ten lakh sixty eight thousand and seven hundred and fifty only) under Capital head and Rs.26,70,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs.37,38,750/- has been approved for a period of three years, are given below:

		(Amount in Rs.)
Sl. No	Head	Total
A	Non-recurring (Capital Items)	
	Equipment	
	1. Hybridization oven plus hybridization bottles,	Rs.10,68,750/-
	2. Refrigerated orbital shaker,	
	3. 3.-70°C freezer	
A'	Total (Capital)	Rs.10,68,750/-
B	Recurring Items (General)	
	Manpower: one JRF @ Rs.16000-16000-18000+30% HRA (With Net qualification)	Rs.07,80,000/-
	Consumables	Rs.12,00,000/-
	Travel	Rs.00,90,000/-
	Contingencies	Rs.01,00,000/-
	Overhead Charges	Rs.05,00,000/-
B'	Total (General)	Rs.26,70,000/-
C	Total cost of the project (A' + B')	Rs.37,38,750/-

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

3. Sanction is also accorded to the payment of Rs.19,68,750/- (Rupees Nineteen lakhs and Sixty Eight thousand Seven hundred and fifty only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to The Director, University of Delhi South Campus, New Delhi-110021., being the first installment of the grant for the year 2011-12 for implementation of the said research project.

4. Sanction of the grant is subject to the conditions as enclosed.



5. Out of the above release is:

- A) Rs.10,68,750/- under Capital head is made under "Grants for creation of assets"
- B) Rs.09,00,000/- under General head is made under "Grant -in- aid General".

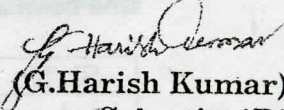
6. This sanction is issued with the approval of competent authority under delegated powers and with sanction number SERB/F/ 1711/2011-2012 dated 02-02-2012.

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

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

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 SERB. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further installment of the grant.

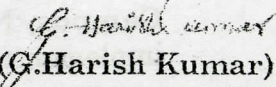
10. As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.

  
(G. Harish Kumar)  
Scientist 'D'

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. ✓ Dr. Swati Saha,  
Associate Professor,  
University of Delhi South Campus,  
Benito Juarez Marg, New Delhi-110021.
4. The Director,  
University of Delhi South Campus,  
Benito Juarez Marg, New Delhi-11002.
5. File Copy

  
(G. Harish Kumar)  
Scientist 'D'



**Rediffmail**

Mailbox of ranigupta15@rediffmail.com

[Print](#)[Cancel](#)**From:** Dr. Renu Swarup <swarup@dbt.nic.in>**To:** ranigupta15@rediffmail.com**Subject:** CRS proposal no. BT/CRS0004/CRS-01/12**Date:** Wed, 20 Jun 2012 10:57:16 IST**Cc:** Pankaj Sharma <pankaj@leadinvent.com>, Amita Joshi <ajoshi.birac@nic.in>**Dr. Renu Swarup****Adviser****Tel:** 24360064; **Fax:** 24363018**E-mail:** [swarup@dbt.nic.in](mailto:swarup@dbt.nic.in)**BT/CRS0004/CRS-01/12****20<sup>th</sup> June, 2012**

Dear Dr. Rani Gupta,

This is with reference to your proposal no. **BT/CRS0004/CRS-01/12** entitled *“Using Peptidomimetics to design small molecules from a novel P1 peptide, for its interaction with beta amyloid oligomers by in-silico, in-vitro approaches and its efficiency in clearing beta amyloid load by ex vivo model of Alzheimer’s disease”*, which was submitted to DBT for consideration under CRS. I am pleased to inform you that your proposal has been **Recommended** for support subject to submission of the following information

- i. The MoU between IIT Delhi and other concerned organizations and Lead Invent (company collaborator) need to be in place to carry out chemical synthesis.
- ii. MoU between the Delhi University and National Brain Research Center (NBRC)

The budget breakup recommended is as follows:

Total Project Cost	:	Rs. 193.61 lakhs
Grant to the Academia	:	Rs. 69.12 lakhs
Grant to Academic collaborator (NBRC)	:	Rs. 29.89 lakhs
Grant to the Company Collaborator (Lead Invent)	:	Rs. 94.60 lakhs

You are requested to kindly convey your acceptance of the above and **send us the revised objectives, timelines and milestones with head wise budget details keeping in view the above technical and financial recommendations.**

The MOUs as stated above should also be finalized. The information may be submitted at the earliest latest by 2<sup>nd</sup> July 2012 by e-mail to Dr. Amita Joshi (e-mail: [ajoshi.birac@nic.in](mailto:ajoshi.birac@nic.in))

With kind regards,

September 16, 2010

**ORDER**

In continuation of this Department's sanction order number **BT/PR012505/PID/06/01/2009** dated **September 16, 2010** sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the release of a sum of **Rs. 16.522 Lakh (Rupees Sixteen Lakh Fifty Two Thousand Two Hundred Only)** to The Director, University of Delhi, South Campus, Benito Juarez Road, New Delhi being the **first release** for the implementation of the project entitled, **"Keratinase from *Bacillus pumilus* for degradation of recalcitrant Proteins: Process optimization and Biochemical Characterization"** submitted by Prof. Rani Gupta, Dean & Head, Deptt. of Microbiology, University of Delhi, South Campus Benito Juarez Road, New Delhi, as per the break-up given below:

**A. University of Delhi, South Campus, New Delhi:-**

(Rs. in lakhs)

S. No.	Item	1 <sup>st</sup> year
A.	Non-recurring	
	Equipment*	10.01
B.	Recurring	
1.	Manpower: One 'JRF' @ Rs. 12000 + 30% HRA p.m for 1 <sup>st</sup> year and 2 <sup>nd</sup> year and Rs. 14000 + 30% HRA p.m for 3 <sup>rd</sup> year	1.872
	One 'Laboratory Attendant' @ Rs. 7000 p.m consolidated	0.84
2.	Consumables	2.00
3.	Travel	0.15
4.	Contingency	0.75
5.	Overhead	0.90
	<b>Total B</b>	<b>6.512</b>
	<b>Grand Total (A+B)</b>	<b>16.522</b>

**\* Equipment details:**

(Rs. in lakhs)

S. No.	Equipment	Amount
1.	Refrigerated Incubator Shaker (including Custom Duty)	8.13
2.	Ultra Filtration Cartridge (including ST/VAT)	1.88
	<b>Total</b>	<b>10.01</b>

Contd.. 2/..



2. The other terms and conditions governing the financial sanction will remain unchanged.
3. The Accounts of grantee institution shall be open to inspection by the sanctioning authority/audit.
4. **No international travel will be undertaken from the sanctioned project grant.**
5. The amount of **Rs. 16.522 Lakh (Rupees Sixteen Lakh Fifty Two Thousand Two Hundred Only)** will be drawn by the Drawing and Disbursing Officer, Department of Biotechnology, New Delhi from the Pay and Accounts Officer, Ministry of Science & Technology, New Delhi and disbursed to The Director, University of Delhi, South Campus, Benito Juarez Road, New Delhi by Account Payee Demand Draft/Cheque.
6. The expenditure involved is debitable to :-
 

Demand No. 86	: Department of Biotechnology
3425	: Other Scientific Research (Major Head)
29	: Bio-process and Product Development
29.14	: Bioprocessing and Scale-up Biotechnology
29.14.31	: Grants-in-aid for the year 2010-2011(Plan)
7. In case the cheque/draft in respect of the amount sanctioned for disbursement under this sanction is not received by the P.I. within 15 days from the date of issue of the sanction, the PI may intimate the fact, with details of the IFD Diary No. and date to the Joint Secretary and Financial Adviser, DBT in this Department at the e-mail address [fin.adv.dst.dbt@gmail.com](mailto:fin.adv.dst.dbt@gmail.com) for looking into the matter and resolving it.
8. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their Dy. No. **102/IFD/SAN/PR-1291/2010-2011** dated 15-9-2010.
9. The sanction has been noted at Serial No. **23** in the Register of grants.

*Kakali Dey 16/9/10*  
**(Kakali Dey Dasgupta)**  
 Scientist 'C'

To

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

Copy to:

1. The Principal Director of Audit (Scientific Deptts.), AGCR Building, New Delhi - 110002.
2. Cash Section, DBT (2 copies)
3. IFD, DBT
4. The Director, University of Delhi, South Campus, Benito Juarez Road, New Delhi - 110021
- ✓ 5. Prof. Rani Gupta, Dean & Head, Deptt. of Microbiology, University of Delhi, South Campus Benito Juarez Road, New Delhi-110021.
6. Sanction Folder.

*Kakali Dey 16/9/10*  
**(Kakali Dey Dasgupta)**  
 Scientist 'C'

6. The expenditure involved is debitable to :-

Demand No. 86 : Department of Biotechnology  
3425 : Other Scientific Research (Major Head)  
29 : Bio-process and Product Development  
29.14 : Bioprocessing and Scale-up Biotechnology  
29.14.31 : Grants-in-aid for the year 2010-2011(Plan)

7. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their Dy. No. **102/IFD/SAN/PR-1290/2010-2011** dated 15-9-2010 and with the approval of the Secretary, Department of Biotechnology dated 31-8-2010.

8. The sanction has been noted at serial no. 23 in the Register of grants.

*Kakali Dey 16/9/10*  
(Kakali Dey Dasgupta)  
Scientist 'C'

To

The Pay & Accounts Officer  
Ministry of Science & Technology  
New Delhi - 110016.

Copy to:

1. The Principal Director of Audit (Scientific Deptts.), AGCR Building, New Delhi - 110002.
2. Cash Section, DBT (2 copies)
3. IFD, DBT
4. The Director, University of Delhi, South Campus, Benito Juarez Road, New Delhi-110021.
5. Prof. Rani Gupta, Dean & Head, Deptt. of Microbiology, University of Delhi, South Campus Benito Juarez Road, New Delhi-110021.
6. Sanction Folder.

*Kakali Dey 16/9/10*  
(Kakali Dey Dasgupta)  
Scientist 'C'





# BIOTECH CONSORTIUM INDIA LIMITED

5th Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhyaya Marg, New Delhi-110002

Tel : 2321 9064 - 67 Fax : 011- 2321 9063

Email : info.bcil@nic.in, bcildelhi@vsnl.com Website : http://www.bcil.nic.in

BCIL/NER-BPMC/2012 /592

April 25, 2012

The Registrar,  
University of Delhi  
South Campus,  
Benito Juarez Road,  
Dhaura Kuan,  
New Delhi-110021

Dear Sir,

**Sub.: Release of payment to the implementing agency of the project entitled "Biotechnological potential of keratinolytic bacteria from selected biotopes in Manipur" under DBT's Twinning Programme for the NE**

As you may be kindly aware, the Department of Biotechnology (DBT), Government of India, has setup a North Eastern Region-Biotechnology Programme Management Cell (NER-BPMC) for promotion of Biotechnology in the North Eastern Region of India through Biotech Consortium India Limited (BCIL), a company promoted by the Department of Biotechnology.

We are happy to inform you that the above proposal submitted by your organization has been sanctioned by DBT. Please find enclosed herewith a copy of the Sanction Order No. BT/178/NE/TBP/2011 dated April 17, 2012 of the DBT along with terms and conditions of the grant, format of UC/SE, format of asset acquired, format of memorandum of agreement, etc.

Please also find enclosed herewith a cheque no. 704968 dated 25.04.2012 for an amount of Rs. 7.44 lakhs as first year release towards implementation of the above project at your organization.

We request you to please send the signed Memorandum of Agreement (MOA) which has to be executed on Rs 100/- non-judicial stamp paper as per the format enclosed. You are also requested to send us a signed copy of the terms and conditions of the grant. These signed documents may please be sent to us with in a month's time from the date of release of funds to your organization, latest by May 25, 2012.

Kindly acknowledge the receipt.

Thanking you,

Yours faithfully

(Vinod Kumar)  
Deputy Manager

**CC for kind information to :**

1. Dr. Rani Gupta (Principal Investigator), Professor & Head, Dept. of Microbiology, University of Delhi South campus, Benito Juarez Road, Dhaura Kuan, New Delhi-110021

**File No.BT/178/NE/TBP/2011**  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
(NER DIVISION)

\*\*\*\*\*

Block-2, 7<sup>th</sup> Floor,  
CGO Complex, Lodhi Road  
New Delhi-110003  
Dated: 17/4/2012

**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 under 'DBT's Twinning programme for the NE' titled "**Biotechnological potential of keratinolytic bacteria from selected biotopes in Manipur**" by Dr. Debananda S. Ningthoujam, Manipur University, Imphal with Dr. (Mrs.) Rani Gupta, University of Delhi South Campus, Delhi, at a total cost of **₹ 84.45 lakhs (Rupees Eighty Four lakhs and Forty Five thousand only)** for a period of three years, on the terms and conditions detailed as under:

**2.0 The Project:**

**2.1 Project Title:** Biotechnological potential of keratinolytic bacteria from selected biotopes in Manipur

**2.2 Project Investigators**

**2.2.1 Principal Investigator:** Dr. Debananda S. Ningthoujam  
**(Parent Institute)** Associate Professor,  
Dept. of Biochemistry,  
Manipur University, Canchipur, Imphal- 795003

**2.2.2 Principal Investigator:** Dr. (Mrs.) Rani Gupta,  
**(Collaborating Institute)** Professor & Head,  
Dept. of Microbiology,  
University of Delhi South Campus,  
Benito Juarez Road,  
Dhaura kuan, New Delhi- 110021

**2.3 Objectives:**

- Screening, selection and characterization of keratinolytic bacteria especially actinomycetes.
- Optimization of fermentation conditions for keratinase production.
- Biotechnological potential of keratinases/keratinolytic strains in animal feed production, fertilizer production/plant growth promotion and prion degradation.



## 2.4 Time Schedule:

The duration of the project is **three years** from the date of issue of sanction order.

## 2.5 Equipment Details:

### 2.5.1 Parent Institute: Manipur University, Imphal

(i) Plant Growth Chamber (ii) Animal House

### 2.5.2 Collaborating Institute: University of Delhi South Campus, New Delhi

(i) Electro blotting

## 2.6 Manpower:

### Fellowship Conditions:

JRF emoluments shall be ₹ 16,000/- + HRA for the 1<sup>st</sup> two years and ₹ 18,000/- + HRA for the 3<sup>rd</sup> year for SRF and applicable, only if JRF/SRF is NET/GATE/BET/BINC qualified, otherwise it shall be ₹ 12,000/- + HRA for the 1<sup>st</sup> two years for JRF and ₹ 14,000/- + HRA for the 3<sup>rd</sup> year for SRF.

### 2.6.1 Parent Institute: Manipur University, Imphal

(₹ in lakhs)				
Position (No)	1 <sup>st</sup> yr	2 <sup>nd</sup> yr	3 <sup>rd</sup> yr	Total
JRF @ ₹ 16,000/- + 10 % HRA for the 1 <sup>st</sup> & 2 <sup>nd</sup> yr SRF @ ₹ 18,000/- + 10 % HRA for 3 <sup>rd</sup> yr	2.11	2.11	2.38	6.60
Lab. Assistant/ Animal Assistant (1) @ ₹ 5,000/-	0.60	0.60	0.60	1.80
<b>Total</b>	<b>2.71</b>	<b>2.71</b>	<b>2.98</b>	<b>8.40</b>

### 2.6.2 Collaborating Institute: University of Delhi South Campus, Delhi

(₹ in lakhs)				
Position (No)	1 <sup>st</sup> yr	2 <sup>nd</sup> yr	3 <sup>rd</sup> yr	Total
JRF @ ₹ 16,000/- + 30 % HRA for the 1 <sup>st</sup> & 2 <sup>nd</sup> yr SRF @ ₹ 18,000/- + 30 % HRA for 3 <sup>rd</sup> yr	2.50	2.50	2.80	7.80
<b>Total</b>	<b>2.50</b>	<b>2.50</b>	<b>2.80</b>	<b>7.80</b>

## 2.7 Budget Estimate:

The total cost of the project is ₹ 84.45 lakhs (Rupees Eighty Four lakhs and Forty Five thousand only) as per budget summary given below:

### 2.7.1. Parent Institute: Manipur University, Imphal

(₹ in lakhs)				
Heads	1 <sup>st</sup> yr	2 <sup>nd</sup> yr	3 <sup>rd</sup> yr	Total
<b>Non-Recurring</b> (Equipment's and accessories)	41.31	0.00	0.00	41.31
1. Manpower	2.71	2.71	2.98	8.40
2. Consumables	3.00	3.00	3.00	9.00
3. Travel	0.50	0.50	0.50	1.50
4. Contingency	0.50	0.50	0.50	1.50
5. Overhead charges	1.00	1.00	1.00	3.00
<b>TOTAL</b>	<b>49.02</b>	<b>7.71</b>	<b>7.98</b>	<b>64.71</b>

### 2.7.2. Collaborating Institute: University of Delhi South Campus, Delhi

(₹ in lakhs)				
Heads	1 <sup>st</sup> yr	2 <sup>nd</sup> yr	3 <sup>rd</sup> yr	Total
<b>Non-Recurring</b> (Equipment's and accessories)	1.44	0.00	0.00	1.44
1. Manpower	2.50	2.50	2.80	7.80
2. Consumables	2.00	2.00	2.00	6.00
3. Travel	0.50	0.50	0.50	1.50
4. Contingency	0.50	0.50	0.50	1.50
5. Overhead charges	0.50	0.50	0.50	1.50
<b>TOTAL</b>	<b>7.44</b>	<b>6.00</b>	<b>6.30</b>	<b>19.74</b>

(i) Grand total for 3 years (64.71 + 19.74) = ₹ 84.45 lakhs

(ii) Total for 1<sup>st</sup> year release (49.02 + 7.44) = ₹ 56.46 lakhs

## 2.8 Other Terms & Conditions:

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

2.8.2 A Memorandum of Agreement (MoA) will be signed between the department and the grantee institute on a ₹ 100/- stamp paper in the format given at Annexure II and the subsequent releases will be made only after signing of MoA by the grantee institute and its acceptance by DBT. All pages need to be signed by the PI and the



forwarding authority and the MoA returned to DBT within 30 days of issue of this letter.

**2.8.3** The Non-recurring items must be procured and installed within 6 month period from the date of sanction.

**2.8.4** In case the amount of grant-in-aid is refunded, the whole or a part amount of the grant, with an interest at 10% per annum there on shall be recovered.

**2.8.5** No international travel will be undertaken from the sanctioned project grant unless specified otherwise.

**2.9** This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their **Dy No. 102/I.F.D/SAN/4828-4831/2011-12 Dated 07/03/2012.**

**2.9.1** This sanction order has been noted at **Serial No. 31,82**..... in the Register of Grants.

**2.9.2** The accounts of grantee institution shall be open to inspection by sanctioning auditory / audit.

*Vaishali Panjabi*

(Dr. Vaishali Panjabi)  
Scientist 'C'

To

The Pay & Accounts Officer,  
Department of Biotechnology,  
New Delhi - 110003.

Copy to:

1. The Principal Director of Audit (Scientific Department), AGCR Building, New Delhi - 110 002.
2. Cash Section, DBT (For information only).
3. Sanction Folder.
4. IFD, DBT
5. The Registrar, Manipur University, Canchipur, Imphal- 795003
6. The Registra , University of Delhi South Campus, Benito Juarez Road, Dhaula kuan New Delhi- 110021.
7. Dr. Debananda S. Ningthoujam, Associate Professor, Dept. of Biochemistry, Manipur University, Canchipur, Imphal- 795003
8. Dr. (Mrs.) Rani Gupta, Professor & Head, Dept. of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi- 110021
9. Concern file.
10. The Managing Director, Biotech Consortium India Limited, (NER-BPMC), 5<sup>th</sup> Floor, Anuvart Bhawan 210 Deen Dayal Upadhyaya Marg, New Delhi- 110002

*Vaishali Panjabi*

(Dr. Vaishali Panjabi)  
Scientist 'C'

**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: "Engineering *Pichia pastoris* to address catabolite repression and methanol usage for AOX1-guided expression: Strain development for efficient utilization of methanol substitutes in a glycerol-independent system" for a period of 3 Year 0 Month at a total cost of Rs. 4954600 (Rupees Forty Nine Lakhs Fifty Four Thousand Six Hundred Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Engineering *Pichia pastoris* to address catabolite repression and methanol usage for AOX1-guided expression: Strain development for efficient utilization of methanol substitutes in a glycerol-independent system"

**2.2 Details of the Investigators:**

**Prof. Rani Gupta**  
Professor, Deptt. of Microbiology,  
Delhi University, South Campus,  
Benito Juarez Road, Delhi, 110021

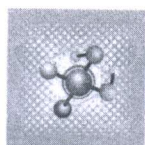
**CO-PI:**

**Prof. Swati Saha**  
Professor, Department of Microbiology, Delhi  
University South Campus, Benito Juarez Road,  
110021, Delhi





सूचना का  
अधिकार



MINISTRY OF  
SCIENCE & TECHNOLOGY

भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
बायोटेक्नोलॉजी विभाग

ब्लॉक-2, 7 वां तल, सी० जी० ओ० कम्पलेक्स  
लोदी रोड, नई दिल्ली-110003

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
Block-2, 7th Floor C.G.O. Complex  
Lodi Road, New Delhi-110003

**Manoj Kumar Modi**  
Scientist 'C'  
Email: [manoj.modi@nic.in](mailto:manoj.modi@nic.in)

BT/PR4294/NDB/39/248/2012

14<sup>th</sup> March, 2014

Dear Dr. Gupta,

The project entitled "Genome-wide survey of lipases from *Yarrowia lipolytica*: cloning, expression, biochemical characterization and applications" has been sanctioned at a total cost of Rs. 44,43,000 ((Rupees Forty Four Lakhs Fourty Three Thousand Only) vide order of even no. dated 13<sup>th</sup> March, 2014 for implementing the project activities for a period of three years.

A Memorandum of Agreement (as per the format enclosed) should be submitted by The Director, Delhi University, Delhi in a non-judicial stamp paper of Rs. 100/-. The copy of the sanction order is also enclosed herewith. A copy of the sanction order may also be sent back to DBT after obtaining the signature & stamp seal of the competent authority on all the pages. The second release will only be made after receiving the signed MOA as per the format enclosed.

Kindly do the needful and send the requisite material at the earliest.

With kind regards,

Yours sincerely,

**Manoj Kumar Modi**

**Prof. Rani Gupta**  
Professor  
Department of Microbiology  
Delhi University, South Campus  
Benito Juarez Road  
New Delhi - 110 021

Website: <http://www.dbtindia.nic.in> <http://www.btisnet.gov.in>

दूरभाष / Telephone : 24363012, 24362329 फैक्स / Fax : 011-24362884

original copy  
Nuc

File No.- 33/MFPI/R&amp;D/2010

Government of India  
Ministry of Food Processing Industries  
Panchsheel Bhawan, August Kranti Marg  
New Delhi - 110049

मो. रेहान जहीर/MD. REHAN ZAHEER  
अवर सचिव/Under Secretary  
खाद्य प्रसंस्करण उद्योग मंत्रालय  
Ministry of Food Processing Industries  
भारत सरकार/Government of India  
पंचशील भवन, अगस्त क्रान्ति मार्ग  
Panchsheel Bhawan, August Kranti Marg  
नई दिल्ली/New Delhi-110049

Dated : 05-Jun-2014

To,  
The Pay and Accounts Officer,  
M/o Food Processing Industries,  
16A, Akbar Road  
Hutments, New Delhi - 110001.

**Subject** R&D proposal on Enzymatic synthesis of Theanin: A nutraceutical using microbial  $\gamma$ -glutamyl transpeptidase

Sir ,

I am directed to convey the sanction of President of India to the payment of **Rs. 3,44,913/- (Rupees Three Lakh Forty Four Thousand Nine Hundred and Thirteen Only)** as IInd Installment out of the total grant-in-aid of Rs. 23,00,000/- (Rupees Twenty Three Lakh Only) to Department of Microbiology, University of Delhi, South Campus, New Delhi for undertaking the R&D project on Enzymatic synthesis of Theanin: A nutraceutical using microbial  $\gamma$ -glutamyl transpeptidase towards recurring as well as non-recurring expenditure.

2. It may be noted that the Ist Installment of grant-in-aid of Rs. 15,50,000/- (Rupees Fifteen Lakh Fifty Thousand Only) was sanctioned vide letter No. 33/MFPI/R&D/2010 on 31.10.2012 and the Institute has furnished the required Utilization Certificate in respect of the same (A copy of the same is enclosed).

#### Detailed break-up of IInd Installment

A	PAC approved Grant-in-aid	Rs.2300000/-
B	1st instalment grant released on 31.10.2012	Rs.1550000/-
C	Unspent amount from 1st instalment	Rs.255087/-
D	2nd instalment grant (eligible 600000 less 255087 (unspent))	Rs.344913/-

3. The Grant-in-aid conforms to the pattern of assistance framed as per rules of Ministry of Finance or any scheme framed with the approval of it. The release of grant-in-aid is subject to the terms and conditions mentioned below.

The grant-in-aid shall be utilized exclusively for the purpose(s) for which it is sanctioned.

- A detailed account of expenditure incurred out of the Grant-in-aid shall be maintained and got audited by Chartered Accountant or other recognized body of auditors. The audited statements of accounts together with separate utilization certificates in the prescribed Performa for
  - Building or capital additions to the buildings etc.
  - Equipments, furniture and books and
  - revenue/recurring expenditure shall be furnished to this Ministry as early as possible after the close of the Financial Year in which the grant-in-aid has been sanctioned.
- The grantee shall submit the Utilization Certificate in the given format to the Ministry immediately after the entire amount has been utilized but in any case within a period of 12 months after the close of the financial year in which the grant-in-aid has been released.
- The assets, permanent or semi-permanent, acquired wholly or substantially out of this grant-in-aid shall not without prior concurrence of the Ministry of Food Processing Industries be disposed of or encumbered or utilized for purpose other than those for which this grant has been sanctioned. A register may also be maintained by the Center in the prescribed format of such assets and got audited along with the other accounts and Utilization Certificates.
- An Achievement-cum-Performance Report along with a statistical summary or the targets
  - Achieved during the last year
  - Up to the end of current year and
  - Proposed targets of the project for which the grant-in-aid has been sanctioned shall be submitted to the Government of India at the close of the year or at such earlier dates as the



Government requires.

The accounts of all grantee Institutions or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor-General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organization is called upon to do so and a provision to this effect should invariably be incorporated in all orders sanctioning Grants-in-Aid.

6. Before the grant is released, the grantee should execute a bond with two sureties to the President that
    - (a) He will abide by the conditions of the grant by the target dates, if any, specified therein
    - (b) That he will not divert the grants and entrust execution of the scheme or work concerned to another institution(s) or organization(s) and
    - (c) Shall abide by any other conditions specified in this agreement and in the event of his failing to comply with the conditions or committing breach of the bond, the grantee and the sureties individually and jointly will be liable to refund to the President of India, the entire amount of the grant with interest at 10% per annum thereon or the sum specified under the bond.
  7. Execution of bond will not apply to quasi-Government Institution, Central Autonomous Organisations and Institutions whose budget is approved by Government. However, in the event of failing to comply with the terms and condition of grant-in-aid, they will be liable to refund to the President of India, the entire amount of the grant with interest at 10% per annum.
  8. The grantee institutions/bodies shall be required to maintain subsidiary accounts of the Government grant and furnish to the Accounts Officer of Audited Statement of Accounts together with a copy of their constitution. These audited statement of accounts will also be required to be furnished after utilization of the grant-in-aid or whenever called for.
  9. Ministry of Food Processing Industries will own the know-how and all other aspects of intellectual property generated as result of the project wholly.
  10. The machinery/equipment purchased out of grant-in-aid amount would be treated, as National Property and the MFPI would be able to utilize these machineries/equipments without payment of any charges.
4. The sanction is recorded on MoFPI-IMIS at reference Number 654727116562014 against party name : **University of Delhi South Campus**
5. The expenditure involved is subject to the following Head of Accounts as under Demand No. 46 of the Ministry of Food Processing Industries for the year 2014-2015
- 2408 - Food Storage & Warehousing (Major Head)
    - 01 - Food (Sub-Major Head)
      - 103 - Food Processing (Minor Head)
        - 10 - Milk based industries- Scheme for Quality Assurance, Codex standard, Research & Development and other Promotional Activities (Sub-Head)
          - 10.02 - Assistance for Quality Assurance, Codex standard, Research & Development and other Promotional Activities (Sub Head)
            - 10.02.31 - Grant-in-aid General (Object Head).
6. This issues with the concurrence of the Integrated Finance Wing vide their Dy. No. 305 dated 04/06/2014
7. This sanction is noted at Serial No. 2 in the Register of Grants.

Yours faithfully,

(Md. Rehan Zaheer)

Under Secretary

मो. रेहान जहीर/Md. REHAN ZAHEER  
अवर सचिव/Under Secretary  
खाद्य प्रसंस्करण उद्योग मंत्रालय  
Ministry of Food Processing Industries  
भारत सरकार/Government of India  
पंचशील भवन, अग्रस्त क्रान्ति मार्ग  
Panchsheel Bhawan, August Kranti Marg  
नई दिल्ली/New Delhi-110002

Copy to:-

1. The Director, University of Delhi South Campus, New Delhi-110021