

3.1.6

NO. SR/FT/LS-26/2012
SCIENCE & ENGINEERING RESEARCH BOARD

Technology Bhavan
New Mehrauli Road
New Delhi - 110 016.
Dated: September 18, 2012

ORDER

Subject: Financial Sanction of the research project titled "Isolation and identification of plant based bioavailability enhancing principle(s) for anti-cancer drugs" under the guidance of Dr. Sachin S. Bhusari, Pharmaceutical Technology Division, Deptt. of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, University Campus, Aurangabad-431004, Maharashtra.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 24,00,000/- (Rs. Twenty Four Lakh Only) with break-up of Rs. 14,40,000/- under Capital head and Rs. 9,60,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 24,00,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
A	Non-recurring (Capital Items)	
1	Equipment Centrifugal Vacuum Concentrator, Solid phase extraction system, Peristaltic pump	14,40,000
A'	Total (Capital)	14,40,000
B	Recurring Items (General)	
1	General - A (Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	6,60,000
2	General - B (Overhead Charges)	3,00,000
B'	Total (General)	9,60,000
C	Total cost of the project (A' + B')	24,00,000

2. Sanction of the SERB is also accorded to the payment of Rs. 14,40,000/- (Rs. Fourteen Lakh Forty Thousand Only) under 'Grants for creation of Capital assets' and Rs. 2,60,000/- (Rs. Two Lakh Sixty Thousand Only) under 'Grants-in-aid -General' to the REGISTRAR, DR. BABASAHEB AMBEDKAR MARATHAWADA UNIVERSITY, AURANGABAD 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. 14,40,000/-
&
Grant-in-aid for the year 2012-13 (Plan Expenditure- General) - Rs. 2,60,000/-

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/3320/2012-13 dated 18.09.2012.

5. Sanction of the grant is subject to the conditions as detailed in Annexure - 1.

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/-

NO. SR/FT/LS-26/2012
SCIENCE & ENGINEERING RESEARCH BOARD

Technology Bhavan
New Mehrauli Road
New Delhi - 110 016

Dated: 9 July, 2013

ORDER

Subject :- Financial assistance for the research project entitled "Isolation and identification of plant based bioavailability enhancing principle(s) for anti-cancer drugs" by **Dr. Sachin S. Bhusari, Pharmaceutical Technology Division, Deptt. of Chemical technology, Dr. Babasaheb Ambedkar Marathawada University, University Campus Aurangabad-431004, Maharashtra**

Sanction of the Science and Engineering Research Board (SERB) is accorded to the payment of a sum of **Rs.3,50,000/- (Rs.Three Lakh Fifty Thousand Only)**, being the grant for the year 2013-2014 for implementation of the above said project

2. Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs 14,69,374/- (Rs.Fourteen Lakh Sixty Nine Thousand Three Hundred Seventy Four Only)** from 2012-2013 financial year to 2013-2014 financial year

3. Sanction of the grant is subject to the conditions as detailed in Annexure-I of SERB sanction order No SR/FT/LS-26/2012 dated December 12, 2012.

4. The expenditure involved is debitable to

Grant-in-aid for the year 2013-14 (Plan expenditure - General)

This release is made under OYS Scheme

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

6. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. **SERB/F/2212/ 2013-14 dated 9.07.2013**

7. 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

8. The Institute will furnish to the SERB, Utilization Certificate and an audited Statement of Account pertaining to the grant immediately after the end of each financial year.

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

10. The amount of **Rs. 3,50,000/- (Rs.Three Lakh Fifty Thousand Only)** will be drawn by the Drawing & Disbursing officer of the SERB and will be disbursed by means of cheque/DD favouring **"REGISTRAR, DR. BABASAHEB AMBEDKAR MARATHAWADA UNIVERSITY, AURANGABAD"** and will be sent to the Registrar, Dr. Babasaheb Marathawada University, Aurangabad-431004, Maharashtra.

DST FAST TRACK SCHEME
"Isolation and identification of
plant based bioavailability
enhancing Principle(s) for
anti-cancer drugs"

Annexure-III

FINAL UTILISATION CERTIFICATE
DST-Fast Track Scheme for Young Scientists
(FOR THE FINANCIAL YEAR: 2012-2015)

1. Title of the Project/Scheme: "Isolation and identification of plant based bioavailability enhancing principle(s) for anti-cancer drugs".

2. Name of the Institution: Pharmaceutical Technology Division,
Department of Chemical Technology,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad-431004, Maharashtra, India

3. Name of the Principal Investigator: Dr. Sachin S. Bhusari

4. Science & Engineering Research Board (SERB)

Sanction order No & date sanctioning the project:


SR/FT/LS-26/2012 dated 18th September 2012


5. Head of account as given in the original sanction order:


Sr.	Head	Total (in Rs.)
A	Non-recurring (Capital items)	
1	Equipment (Centrifugal vacuum concentrator, Solid phase extraction system, Peristaltic pump)	14,40,000
A'	Total (Capital)	14,40,000
B	Recurring Items (General)	
1	General-A (Consumables, Travel, Contingencies, Analytical/Biological Analysis charges)	06,60,000
2	General-B (Overhead charges)	03,00,000
B'	Total (General)	09,60,000
C	Total Cost of the Project (A' + B')	24,00,000

UTILISATION CERTIFICATE

Certified that out of Rs. NIL of grants-in-aid received during the year April 2015 - December 2015 in favour of Dr. Sachin S. Bhusari vide SERB order No.dated and Rs. 1,05,914 on account of unspent balance of the previous year, a sum of Rs. 1,05,902 has been utilised for the purpose of Recurring items (General-B) for which it was sanctioned and the balance of Rs. 12 is remaining unutilised.


Principal Investigator
Dr. Sachin S. Bhusari
Principal Investigator
OST-FAST TRACK Project


Finance & Accounts Officer
Finance & Accounts Officer
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.


Registrar
Registrar
Dr. Babasaheb Ambedkar
Marathwada University
Aurangabad-431004.


Auditor
MIS 1001
MIS 1001

(Countersigned in SERB)

Signature: _____

Designation: _____

Date: _____

BT/PR4849/PBD/17/780/2012
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block-2, 6-8 Floors,
CGO Complex - Sector 16,
New Delhi - 110003

Dated: 14.10.2013

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 "Development of oral bioavailability enhancer(s) for selected anti-HIV drug(s) using Indian herb(s) by KADME approach" at a total cost of Rs. 19.13 lakh (Rupees Nineteen lakhs Thirteen thousand only) at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra on the terms and conditions detailed here under.

2.0 The Project:

2.1 Project Title: Development of oral bioavailability enhancer(s) for selected anti-HIV drug(s) using Indian herb(s) by KADME approach

2.2 Investigator:

Name of the PI & Implementing Institute:	Dr. Sachin Bhusari Assistant Professor Pharmaceutical Technology Division, Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad - 431004, Maharashtra
Name of the Co-PI & Implementing Institute:	Dr. G. D. Singh Principal Scientist & Head Department of PK-PD-Toxicity, Indian Institute of Integrative Medicine, Canal Road, Jammu Tawi - 180001

2.3 Project Objectives:

1. To develop pharmacokinetic profiles of selected anti-HIV drugs: Oral Pharmacokinetic profiles of selected anti-HIV drugs viz. Tenofovir, Zidovudine and Nelfinavir will be developed using suitable animal model(s).
2. To investigate pure phyto-chemical(s) as oral bioavailability enhancing principle(s) for selected anti-HIV drugs: Piperine, quercetin and 3', 5-dihydroxyflavone-7-O- β -D-Galacturonide-4'-O- β -D-glucopyranoside (FG-3) will be investigated independently for their potential to enhance the oral bioavailability of selected anti-HIV drugs when co-administered.
3. To explore the possible mechanism of action of promising oral bioavailability enhancing principle(s): The promising oral bio-enhancing principle(s) will be screened for CYP and/or P-gp inhibition activity and overall permeation enhancement activity

- 4.3 A Memorandum of Agreement (MOA) will be signed between the Department and the grantee institute on a Non-Judicial stamp paper of an appropriate value in the format given at Annexure II and the second release will be effected after execution of MOA between the grantee institution and the DBT.
- 4.4 The Institute / Agency will keep the whole of the grant in the Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. The Interest so earned will be treated as credited to the Institute / Agency and shall be adjusted towards further instalment of the grant and / or at the time of Final Settlement of Accounts.
5. No international travel shall be undertaken from the sanctioned project grant unless specified otherwise.
6. The **Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra** would be responsible for submission of Statement of Expenditure and consolidated Utilization Certificate to DBT and PIs in respect of grants released against the order from time to time.
7. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. 102/IFD/SAN/3587/2013-2014 dated 14.10.2013.

Mohd. Aslam
(Dr. Mohd. Aslam)
Scientist 'G'

To,

The Pay & Accounts Officer,
Department of Biotechnology,
Ministry of Science & Technology,
CGO Complex, Lodhi Road,
New Delhi – 110003

Copy to:

1. The Director of Audit (Scientific Departments), AGCR Building, New Delhi – 110002
2. Cash Section, DBT (2 copies)
3. IFD, DBT
4. Sanction Folder
5. Dr. Sachin Bhusari, Assistant Professor, Pharmaceutical Technology Division, Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad - 431004, Maharashtra
6. Dr. G. D. Singh, Principal Scientist & Head, Department of PK-PD-Toxicity, Indian Institute of Integrative Medicine, Canal Road, Jammu Tawi – 180001
7. The Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad - 431004, Maharashtra

Mohd. Aslam
(Dr. Mohd. Aslam)
Scientist 'G'

DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology
Government of India

Appendix-B
FINAL UTILISATION CERTIFICATE

1. Title of the project/scheme :

“Development of oral bioavailability enhancer(s) for selected anti-HIV drug(s) using Indian herb(s) by KADME approach”

2. Name of the Organisation:

Pharmaceutical Technology Division,
Department of Chemical Technology,
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad – 431004

3. Principal Investigator :

Dr. Sachin S. Bhusari

4. Dept. of Biotechnology Sanction order No. &
date of sanctioning the project :

BT/PR/4849/PBD/17/780/2012
dated 14-10-2013


5. Amount brought forward from the previous
financial year quoting DBT letter No. & date
in which the authority to carry forward the
said amount was given :


1.28122 Lakh

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

- 1.
- 2.
- 3.
- 4.
- 5.


(PROJECT INVESTIGATOR)
Dr. Sachin S. Bhusari
Principal Investigator
DBT Research Project


(FINANCE & ACCOUNTS OFFICER)
Finance & Accounts Officer
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.

For SONIC SALUNJE FIRST STATE
PROJECT INVESTIGATOR

DR. SACHIN S. BHUSARI
PRINCIPAL INVESTIGATOR

WING. 105421

(CA)


(REGISTRAR)
Registrar
Dr. Babasaheb Ambedkar
Marathwada University
Aurangabad-431004.

(To be Countersigned by the DBT Officer-in-charge)

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. 42-684/2013 (SR)

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

25 MAR 2013

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, "Development of pharmacokinetic approach based oral bioavailability enhancer (s) for anti-cancer drugs (s) using Indian Plants"

Sir,

I am to refer to your letter forwarding the application of Dr. Sachin S. Bhusari of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction on account grant of Rs. 8,54,000/- (Rupees: eight lakh fifty four thousand only) to the Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004, MS in r/o Major Research Project of Dr. Sachin S. Bhusari, Department of Pharmacy for the period of 3 years w.e.f. 1.4.2013 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	Non - Recurring		4,75,000/-	GEN
1.	Books & Journals	25,000/-		
2.	Equipment (as per proposal)	4,50,000/-		
B.	Recurring		3,79,000/-	
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	1,00,000/-		
5.	Contingency	90,000/-		
6.	Travel/Field Work	50,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	59,000/-		
	Total (A + B)	11,74,000/-	8,54,000/-	

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 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.

10/4/13
BUD/AND
HDD/abm
2 14/12



UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FD Diary No. 4951
Dated : 21.06.2016

GEN

84/2013 (SR)
Under Secretary (FD-III)
University Grants Commission
Bahadur Shah Zafar Marg
Delhi - 110002

1997
13-7-2016



June 2016
24 JUL 2016

Release of Grant-in aid to **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004 Maharashtra** for the year 2016-17 under plan in respect of Major Research Project entitled "Development of medicinal plants" awarded to **Dr. Sachin Shivling Bhusari, Department of Pharmacy, tenure of project from 01.04.2013 to 31.03.2017.**

Sir

I am directed to convey the sanction of the University Grants Commission for payment of grant of **Rs. 1,96,000/- (Rupees One lakh ninety six thousand only)** as 2nd installment for the year 2016-17 towards Major Research Project to **The Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004 Maharashtra** for the plan expenditure

I am also directed to say that the tenure of the above project has been extended by the UGC upto 31.03.2017 without any additional financial assistance for the extended period.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Books & Journal	25,000/-	3.A(56).35	.....	25,000/-	25,000/
Equipment	4,50,000/-		.....	4,50,000/-	4,50,000/
Honorarium	.....		.....	.....	.....
Project fellow	.....	3.A(56).31	.....	.....	.....
HRA	.....		.....	.....	.....
Chemicals	4,00,000/-		1,60,000/-	2,00,000/-	3,60,000/
Contingency	90,000/-		36,000/-	45,000/-	81,000/
Hiring Services	1,00,000/-		.....	50,000/-	50,000/
Travel/field work	50,000/-		.....	25,000/-	25,000/
Overhead Charges	59,000/-		.....	59,000/-	59,000/
Additional Grant	.....		.....	.....	.....
Total	11,74,000/-		1,96,000/-	8,54,000/-	10,50,000/

The sanctioned amount is debit able to Major Research Project head Sector 3.A(56).31 and is valid for payment during the financial year 2016-17 only


(Handwritten signatures and initials)




UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110 002


ANNEXURE – IV
Utilization Certificate

Certified that the grant of Rs. 10,50,000 (Rs. Ten Lakhs Fifty Thousand Only) received from the University Grants Commission under the scheme of support for Major Research Project entitled “*Development of pharmacokinetic approach based oral bioavailability enhancer(s) for anti-cancer drugs using Indian plants*” vide UGC letter No. 42-684/2013 (SR) dated 25th March 2013. Out of above sanctioned amount, Rs. 10,50,000/- (*Rs. Ten Lakhs Fifty Thousand Only*) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University Grants Commission.


Principal Investigator
Dr. Sachin S. Bhusari
Principal Investigator
UGC-MRF


Finance & Accounts Officer
Finance & Accounts Officer
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.


Auditor


Registrar
Registrar
Dr. Babasaheb Ambedkar
Marathwada University
Aurangabad-431004.