

No. BT/PR30082/MED/29/1341/2018
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 27/09/2019

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 THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B VIRUS INFECTION**" for a period of 3 Year 0 Month at a total cost of Rs. **9703893** (Rupees Ninety Seven Lakhs Three Thousand Eight Hundred and Ninety Three Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "**DEVELOPMENT OF THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B VIRUS INFECTION**"

Details of the Investigators:

2.2

Project Cordinator

Dr. Vijay Kumar

Professor

Molecular and Cellular Medicine

INSTITUTE OF LIVER & BILIARY SCIENCES

D-1, Vasant Kunj, New Delhi-110070

Principal Investigators:

Dr. Vijay Kumar

Professor

Molecular and Cellular Medicine

INSTITUTE OF LIVER & BILIARY SCIENCES

D-1, Vasant Kunj, New Delhi-110070, Delhi

Dr. DEEPTI SHARMA

Assistant Professor

Chemistry

Sri Venkateshwara College, Benito Juarez Marg,

Dhaura Kuan, New Delhi, South West Delhi, 110021

CO-PI:

Prof. SHIV KUMAR SARIN

Senior Professor

Hepatology

INSTITUTE OF LIVER & BILIARY SCIENCES

D-1, Vasant Kunj, South Delhi - 110070, Delhi

2.3 Objectives:

Overall Objectives:

1. Process development for the expedient synthesis of proposed 20 thiourea derivatives.
2. Purification and complete characterization of synthesized thiourea derivatives.
3. Docking studies of the synthesized thiourea derivatives with modeled structure of HBx protein for SAR studies.
4. Screening of thiourea derivatives for their anti-viral properties.
5. Study of the thiourea derivatives for derepression of RNAi silencing suppressor activity of viral HBx.
6. Study of thiourea derivatives for toxicity and cell viability.
7. Study of selected thiourea derivatives for in vivo toxicity and safety in animal model.

Institute wise Objectives:

INSTITUTE OF LIVER & BILIARY SCIENCES

1. Objective 4: Screening of thiourea derivatives for their anti-viral properties.
2. Objective 5: Study of the thiourea derivatives for derepression of RNAi silencing suppressor activity of viral HBx.
3. Objective 6: Study of thiourea derivatives for toxicity and cell viability.
4. Objective 7: Study of selected thiourea derivatives for in vivo toxicity in animal model

Sri Venkateswara College

1. Objective 1: Process development for the expedient synthesis of proposed 20 thiourea derivatives.
2. Objective 2: Purification and complete characterization of synthesized thiourea derivatives.
3. Objective 3: Docking studies of the synthesized thiourea derivatives with modeled structure of HBx protein for SAR studies.

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. **9703893/-** (Rupees Ninety Seven Lakhs Three Thousand Eight Hundred and Ninety Three Only) as per details given below :

| Institute | Year I | Year II | Year III | Total Cost(Rs.) |
|--|----------------|----------------|----------------|-----------------|
| 1. INSTITUTE OF LIVER & BILIARY SCIENCES | 2316387 | 1629360 | 1629360 | 5575107 |
| 2. Sri Venkateswara College | 2673586 | 727600 | 727600 | 4128786 |
| Total (Rs.) | 4989973 | 2356960 | 2356960 | 9703893 |

Institute wise details are:

| Budget Head | Year I | Year II | Year III | Total(Rs.) |
|---|-------------------|-------------------|-------------------|-------------------|
| 1. INSTITUTE OF LIVER & BILIARY SCIENCES | | | | |
| Equipment | 917027.00 | | | 917027.00 |
| Manpower | 699360.00 | 699360.00 | 699360.00 | 2098080.00 |
| Overhead | 50000.00 | 50000.00 | 50000.00 | 150000.00 |
| Travel | | 30000.00 | 30000.00 | 60000.00 |
| Consumables | 600000.00 | 800000.00 | 800000.00 | 2200000.00 |
| Contingency | 50000.00 | 50000.00 | 50000.00 | 150000.00 |
| Total (Rs.) | 2316387.00 | 1629360.00 | 1629360.00 | 5575107.00 |
| 2. Sri Venkateswara College | | | | |
| Equipment | 1745986.00 | | | 1745986.00 |
| Manpower | 297600.00 | 297600.00 | 297600.00 | 892800.00 |
| Overhead | 50000.00 | 50000.00 | 50000.00 | 150000.00 |
| Travel | 30000.00 | 30000.00 | 30000.00 | 90000.00 |
| Consumables | 500000.00 | 300000.00 | 300000.00 | 1100000.00 |
| Contingency | 50000.00 | 50000.00 | 50000.00 | 150000.00 |
| Total (Rs.) | 2673586.00 | 727600.00 | 727600.00 | 4128786.00 |

2.6 Equipment:

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

2.7 Manpower:

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

3. Head of Account:

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

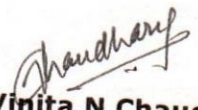
| Demand No. 87 | Department of Biotechnology |
|-----------------------------|--|
| 3425 | Other Scientific Research 2019-2020 |
| 3425.60 | Others (Sub Major Head) |
| 3425.60.200 | Assistance to other Scientific Bodies (Minor Head) |
| 3425.60.200.29 | Biotechnology Research and Development |
| 3425.60.200.29.17 | Assistance for Research and Development |
| 3425.60.200.29.17.35 | Grants for creation of capital assets |

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

| Demand No. 87 | Department of Biotechnology |
|-----------------------------|--|
| 3425 | Other Scientific Research 2019-2020 |
| 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. Terms & Conditions:

- In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest rate at the rate of ten percent thereon shall be recovered. 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 between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before 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, INSTITUTE OF LIVER & BILIARY SCIENCES, New Delhi, Delhi and The Principal, Sri Venkateswara College, 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-08/2018 dated on 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
 8. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
 9. If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org
 10. If this project works requires any Statutory Clearance (such as Ethical Committee Clearance, Informed Consent, Animal Ethics Committee Clearance, Institutional Bio-safety Committee Clearance, National Biodiversity Authority approval etc.), Project investigator(s) and Host Institution(s) shall compulsorily comply the same before undertaking such activities.
 11. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/2122/2019-2020** dated **September, 27 2019**.
 12. This sanction order has been noted at serial no. **71** in the Register of Grants.


(Dr. Vinita N Chaudhary)
Scientist 'E'

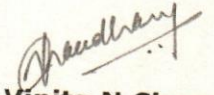
डॉ. विनीता नितिन चौधरी
Dr. Vinita Nitin Chaudhary
संयुक्त निदेशक/ वैज्ञानिक 'ई'
Joint Director/Scientist 'E'
बायोटेक्नोलॉजी विभाग/ Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय/ M/o Science & Tech.
भारत सरकार, नई दिल्ली/ Govt. of India, N. Delhi

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 VIJAY KUMAR(Project Co-ordinator), D-1, Vasant Kunj
- 3 The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi , New Delhi - 110070, Delhi
- 4 The Principal, Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021, Delhi
- 5 Dr. DEEPTI SHARMA, Assistant Professor, Chemistry, Sri Venkateswara College, Department of Chemistry
Sri Venkateshwara College, Benito Juarez Marg, Dhaula Kuan, New Delhi, South West Delhi - 110021, Delhi
- 6 Dr. Vijay Kumar, Professor, Molecular and Cellular Medicine, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi-110070, Delhi, South Delhi - 110070, Delhi
- 7 Prof. SHIV KUMAR SARIN, Senior Professor, Hepatology, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, South Delhi - 110070, Delhi
- 8 Cash Section, DBT (2 copies).
- 9 Sanction Folder.
- 10 File Copy.



(Dr. Vinita N Chaudhary)

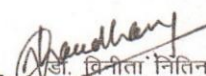
डॉ. विनीता चोपड़ा
Dr. Vinita Nitin Chaudhary

संयुक्त निदेशक / वैज्ञानिक 'ई'
Joint Director/Scientist 'E'

बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

Details of the Equipment sanctioned for the implementation of the project entitled
**"DEVELOPMENT OF THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B
 VIRUS INFECTION":**

| INSTITUTE OF LIVER & BILIARY SCIENCES | | | |
|---------------------------------------|----------------------------------|-----|------------|
| SNo. | Name of Equipment | No. | Cost(Rs.) |
| 1. | CO2 Incubator | 1 | 448045.00 |
| 2. | Bio-Safety Cabinet | 1 | 468982.00 |
| Total | | | 917027.00 |
| Sri Venkateswara College | | | |
| SNo. | Name of Equipment | No. | Cost(Rs.) |
| 1. | Rotary Evaporator Apparatus | 1 | 1050000.00 |
| 2. | Microbalance | 1 | 141600.00 |
| 3. | Low temperature Immersion Cooler | 1 | 280000.00 |
| 4. | High Power Vaccum Pump | 1 | 109386.00 |
| 5. | Incubator Shaker | 1 | 165000.00 |
| Total | | | 1745986.00 |


 डॉ. विनीता नितिन चौधरी
 (Dr. Vinita N Chaudhary)
 संयुक्त निदेशक / वैज्ञानिक 'E'
 Joint Director/Scientist 'E'


बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
 विज्ञान और प्रौद्योग. मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

Annexure -II

Details of the manpower sanctioned for the implementation of the project entitled **"DEVELOPMENT (THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B VIRUS INFECTION":**

| Head | No. of Position | Year I | Year II | Year III | Total (Rs.) |
|---|-----------------|--------|---------|----------|-------------|
| 1. INSTITUTE OF LIVER & BILIARY SCIENCES | | | | | |
| Research Associate Rs.47000/month+24% HRA | 1 | 699360 | 699360 | 699360 | 2098080 |
| Total(Rs.) | | 699360 | 699360 | 699360 | 2098080 |
| 2. Sri Venkateswara College | | | | | |
| Project Assistant Rs.20000/month+24% HRA | 1 | 297600 | 297600 | 297600 | 892800 |
| Total(Rs.) | | 297600 | 297600 | 297600 | 892800 |

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-08/2018 dated 30.01.2019 for JRF/SRF/RA and OM No. SR/S9/Z-05/2019 dated 21.08.2019 for all other categories.


 डॉ. विनीता नितिन चौधरी
 (Dr. Vinita N Chaudhary)
 संयुक्त निदेशक / वैज्ञानिक 'E'
 Joint Director/Scientist 'E'

बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
 विज्ञान और प्रौद्योग. मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

UTILISATION CERTIFICATE

(For the financial year ending 27th September 2019 to 31st March 2020)

1. Title of the project/scheme : "Development of Thiourea derivatives as antiviral agent for hepatitis B virus infections"
2. Name of the Organization : Sri Venkateswara College, DU
3. Principal Investigator : Dr. Deepti Sharma
4. Deptt. of Biotechnology sanction order No. & date of sanctioning the project: : BT/PR30082/MED/29/1341/2018 dt. 27.09.2019
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 : Nil
6. Amount received from DBT during the financial year : Rs. 26,73,586.00
(Please give No. and dates of sanction orders showing the amounts paid) :
7. Other receipts/interest earned, if any, on the DBT grants : Nil
8. Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7) : Rs. 26,73,586.00
9. Actual expenditure (excluding commitments) incurred during the financial year (statement of expenditure is enclosed) : Rs. 1,00,729.00
10. Unspent balance refunded, if any (Please give details of cheque No. etc.) : Nil
11. Balance amount available at the end of the financial year : Rs. 25,72,857.00
12. Amount allowed to be carried forward to the next financial year vide letter No. & date : Rs. 25,72,857.00

1. Certified that the amount of Rs. 1,00,729.00 mentioned against col. 9 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the balance of Rs. 25,72,857.00 remaining unutilized at the end of the will be adjusted towards the grants-in-aid payable during the next year.

For JHA MISHRA & CO.
Chartered Accountants


Partner
CA UMA SHANKAR JHA
M. No.: 500600

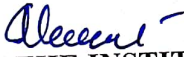
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2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the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


Kinds of checks exercised:

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


(PROJECT INVESTIGATOR)
(Signed and stamped)
Dr. DEEPTI SHARMA
PI, DBT Research Project
"Development of Thiourea.....
..... Virus Infection"
Sri Venkateswara College,
Dhaura Kuan, New Delhi-110021


(HEAD OF THE INSTITUTE)
(Signed and stamped)



PRINCIPAL
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021


(FINANCE OFFICER)
(Signed and stamped)

BURSAR
Sri Venkateswara College
Dhaura Kuan, New Delhi-110021

CHARTERED ACCOUNTANT
(Signed and stamped)
For JHA MISHRA & CO.
Chartered Accountants





Partner
CA UMA SHANKAR JHA
M. No.: 500600


UDIN-20500600AAAA8P3839

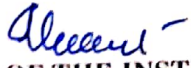
**Statement of Expenditure referred to in para 9 of
the Utilization Certificate**

Showing grants received from the Department of Biotechnology and the expenditure incurred during the period from 27th September 2019 to 31st March 2020

| Item | Grants received from DBT during the year | Other receipts/interest earned if any, on the DBT grants | Total of Col (2+3+4) | Expenditure (excluding commitments incurred during the year) | Balance (4-5) | Remark |
|-------------------------------|--|--|----------------------|--|---------------------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Non - Recurring | 17,45,986.00 | | 17,45,986.00 | --- | 17,45,986.00 | |
| (i) Equipments | | | | | | |
| 2. Recurring | | | | | | |
| (i) Human Resource | 2,97,600.00 | - | 2,97,600.00 | 47,035.00 | 2,50,565.00 | |
| ii) Consumables | 5,00,000.00 | - | 5,00,000.00 | 40,827.00 | 4,59,173.00 | |
| (iii) Travel | 30,000.00 | - | 30,000.00 | 10,000.00 | 20,000.00 | |
| (iv) Contingency | 50,000.00 | - | 50,000.00 | 2,867.00 | 47,133.00 | |
| (v) Overheads (if applicable) | 50,000.00 | - | 50,000.00 | --- | 50,000.00 | |
| Total : | 26,73,586.00 | - | 26,73,586.00 | 1,00,729.00 | 25,72,857.00 | |


(PROJECT INVESTIGATOR)
Dr. DEEPTI SHARMA
 (Signed and stamped)
 Project
 "Development of Thiourea.....
 Virus Infection"
 Sri Venkateswara College,
 Dhaula Kuan, New Delhi-110021


(FINANCE OFFICER)
 (Signed and stamped)
BURSAR
 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021


(HEAD OF THE INSTITUTE)
 (Signed and stamped)

Ag. **PRINCIPAL**
 Sri Venkateswara College
 Dhaula Kuan, New Delhi-110021

CHARTERED ACCOUNTANT
 (Signed and stamped)

For **JHA MISHRA & CO.**
 Chartered Accountants




 Partner
CA UMA SHANKAR JHA
 M. No.: 500600

UDIN- 20500600 AAAAGP3839

UTILISATION CERTIFICATE

(For the financial year ending 1st April 2020 to 26th September 2020)

(Rs. in lakhs)

1. Title of the project/scheme : "Development of Thiourea derivatives as antiviral agent for hepatitis B virus infections"
2. Name of the Organisation : Sri Venkateswara College, DU
3. Principal Investigator : Dr. Deepti Sharma
4. Deptt. of Biotechnology sanction order No. & date of sanctioning the project: :BT/PR30082/MED/29/1341/2018 dt. 27.09.2019
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 : : Rs. 25,72,857.00
6. Amount received from DBT during the financial year : Rs. Nil
(Please give No. and dates of sanction orders showing the amounts paid) :
7. Other receipts/interest earned, if any, on the DBT grants : Rs. 54,076.00
8. Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7) : Rs. 26,26,933.00
9. Actual expenditure (excluding commitments) incurred during the financial year (statement of expenditure is enclosed) : Rs. 7,25,056.00
10. Unspent balance refunded, if any (Please give details of cheque No. etc.) : Nil
11. Balance amount available at the end of the financial year : Rs. 19,01,877.00
12. Amount allowed to be carried forward to the next financial year vide letter No. & date : Rs. 19,01,877.00

1. Certified that the amount of Rs. 7,25,056.00 mentioned against col.6 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the balance of Rs. 19,02,377.00 remaining unutilized at the end of the year will be adjusted towards the grants-in-aid payable during the next year 2020-21.

For JHA MISHRA & CO.
Chartered Accountants

Partner

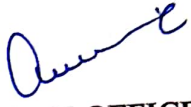
 CA UMA SHANKAR JHA
M. No.: 500600


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 utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:

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


(PROJECT INVESTIGATOR)
(Signed and stamped)
Dr. DEEPTI SHARMA
PI, DBT Research Project
"Development of Thiourea.....
..... Virus Infection"
Sri Venkateswara College,
Dhaulta Kuan, New Delhi-110021

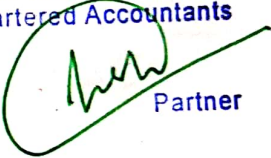

(FINANCE OFFICER)
(Signed and stamped)
BURSAR
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021


(HEAD OF THE INSTITUTE)
(Signed and stamped)
PRINCIPAL
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

CHARTERED ACCOUNTANT
(Signed and stamped)



For JHA MISHRA & CO.
Chartered Accountants


Partner


CA UMA SHANKAR JHA
M. No.: 500600

UJIN-20500600AAAA BQ5861

**Statement of Expenditure referred to in para 9 of
the Utilization Certificate**

Showing grants received from the Department of Biotechnology and the expenditure incurred during the period from 1st April 2020 to 26th September 2020

| Item | Unspent Balance Carried forward from previous year | Other receipts/interest earned if any, on the DBT grants | Total of Col (2+3) | Expenditure (excluding commitments incurred during the year) | Balance (4-5) | Remarks |
|-------------------------------|--|--|---------------------|--|---------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Non – Recurring | 17,45,986.00 | | 17,45,986.00 | --- | 17,45,986.00 | |
| (i) Equipments | | | | | | |
| 2. Recurring | | | | | 1,01,765.00 | |
| (i) Human Resource | 2,50,565.00 | | 2,50,565.00 | 1,48,800.00 | | |
| ii) Consumables | 4,59,173.00 | | 4,59,173.00 | 4,59,173.00 | Nil | |
| (iii) Travel | 20,000.00 | | 20,000.00 | 20,000.00 | Nil | |
| (iv) Contingency | 47,133.00 | | 47,133.00 | 47,083.00 | 50.00 | |
| (v) Overheads (if applicable) | 50,000.00 | | 50,000.00 | 50,000.00 | | |
| 3. Interest | | 54,626.00 | 54,626.00 | | | |
| Total : | 25,72,857.00 | 54,626.00 | 26,27,433.00 | 7,25,056.00 | 19,02,377.00 | |


(PROJECT INVESTIGATOR)
Dr. DEEPTI SHARMA
PI, DBT Research Project
"Development of Thlourea.....
..... Virus Infection"
Sri Venkateswara College,
Dhaulta Kuan, New Delhi-110021


(HEAD OF THE INSTITUTE)

 **PRINCIPAL**
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021


(FINANCE OFFICER)
BURSAR
Sri Venkateswara College
Dhaulta Kuan, New Delhi-110021

(CHARTERED ACCOUNTANT)

For JHA MISHRA & CO.
Chartered Accountants




Partner

CA UMA SHANKAR JHA
M. No.: 500600

UDIN-20500600AAAABQ5861

Annexure - II

Manpower Details

Research Staff working in the DBT funded project

1. Name of the Project: **"Development of Thiourea derivatives as antiviral agent for hepatitis B virus infections"**
2. Name of the Grantee Institution: **Sri Venkateswara College, DU**
3. No. & Date of the Sanction order: **BT/PR30082/MED/29/1341/2018**

dt. 27.09.2019

4. Amount of the Sanctioned grant: **Rs. 2,97,600.00**

5. Particulars of manpower working in the project: _


| S.No. | Name of the person | Name of the post | Qualification of the person employed | Date of Joining | Date of leaving | Total monthly salary | Total salary paid during the financial year | Total salary paid during project period |
|-------|--------------------|-------------------|--------------------------------------|-----------------|-----------------|----------------------|---|---|
| 1. | Mr. Atharav Ruhela | Project Assistant | M.Sc. Inorganic | 04-02-2020 | --- | 24,800/- | 1,95,835/- | 1,95,835/- |
| | | | | | | | | |
| | | | | | | | | |

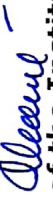
Please indicate if there was any deviation as against the DBT sanction, and reason thereof.


6. Any other Remarks: -----

For JHA MISHRA & CO.
Chartered Accountants




 Partner
 Signature & stamp
UMA SHANKAR JHA
 M. No.: 500600


 Signature & stamp
Dr. Srigupta SHARMA
 PI, DBT Project
 "Development of Thiourea
 Virus Infection"
 Sri Venkateswara College,
 Dhaura Kuan, New Delhi-110021


 Signature & stamp
Dr. Srigupta SHARMA
 PI, DBT Project
 "Development of Thiourea
 Virus Infection"
 Sri Venkateswara College,
 Dhaura Kuan, New Delhi-110021

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Sep 27, 2019 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2663013.00** (Rupees Twenty Six Lakhs Sixty Three Thousand and Thirteen Only) being the first year release for the project entitled "**DEVELOPMENT OF THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B VIRUS INFECTION**", being implemented by

1. Dr. DEEPTI SHARMA, Sri Venkateswara College, Department of Chemistry, Benito Juarez Marg, Dhaula Kuan, New Delhi, South West Delhi - 110021, Delhi,
2. Dr. Vijay Kumar, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi-110070, Delhi, South Delhi - 110070, Delhi,

The detailed break-up is as given below:

| SNo | Institute Name | Non Recurring | | Total Release Amount (Rs) |
|-----|---------------------------------------|---------------|-------|---------------------------|
| | | Equipment | Other | |
| 1 | INSTITUTE OF LIVER & BILIARY SCIENCES | 917027.00 | 0.00 | 917027.00 |
| 2 | Sri Venkateswara College | 1745986.00 | 0.00 | 1745986.00 |

2. The amount of Rs. **2663013.00** /-(Rupees **Twenty Six Lakhs Sixty Three Thousand and Thirteen Only**) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

1. Rs. **1745986.00** /-(Rupees **Seventeen Lakhs Fourty Five Thousand Nine Hundred and Eighty Six Only**) to The Principal, Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021, Delhi

Bank Name : Andhra Bank
 Branch Name : South Campus New Delhi
 A/c No. : 136210100026643
 IFSC Code : ANDB0001362
 MICR Code : 11001136

2. Rs. **917027.00** /-(Rupees **Nine Lakhs Seventeen Thousand and Twenty Seven Only**) to The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi , New Delhi - 110070, Delhi

Bank Name : HDFC Bank
 Branch Name : Site No 2, OCF Pocket, Sector C, Vasant Kunj, New
 A/c No. : 50100150448142
 IFSC Code : HDFC0000273
 MICR Code : 110240034

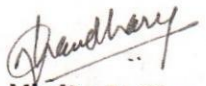
3. The expenditure involved is debitible to:

| Demand No. 87 | Department of Biotechnology |
|----------------------|--|
| 3425 | Other Scientific Research 2019-2020 |
| 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 |
| 3425.60.200.29.17.35 | Grants for creation of capital assets |

4. The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, New Delhi, Delhi and The Principal, Sri Venkateswara College, New Delhi, Delhi will submit audited utilization certificates and statement of expenditure in respect of the above-mentioned amount.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.
8. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest rate at the rate of ten percent thereon shall be recovered. 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.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2124/2019-2020** dated **September, 27 2019**.
10. This sanction order has been noted at serial no. 73 in the Register of Grants.

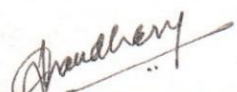
To,

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


(Dr. Vinita N Chaudhary)
Scientist 'E'
डॉ. विनीता नितीन चौधरी
Dr. Vinita Nitin Chaudhary
संयुक्त निदेशक/वैज्ञानिक 'ई'
Joint Director/Scientist 'E'
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delh

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 VIJAY KUMAR(Project Co-ordinator), D-1, Vasant Kunj
- 3 The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi , New Delhi - 110070, Delhi
- 4 The Principal, Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021, Delhi
- 5 Dr. DEEPTI SHARMA, Assistant Professor, Chemistry, Sri Venkateswara College, Department of Chemistry Sri Venkateshwara College, Benito Juarez Marg, Dhaula Kuan, New Delhi, South West Delhi - 110021, Delhi
- 6 Dr. Vijay Kumar, Professor, Molecular and Cellular Medicine, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi-110070, Delhi, South Delhi - 110070, Delhi
- 7 Prof. SHIV KUMAR SARIN, Senior Professor, Hepatology, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, South Delhi - 110070, Delhi
- 8 Cash Section, DBT (2 copies).
- 9 Sanction Folder.
- 10 File Copy.


(Dr. Vinita N Chaudhary)
Scientist 'E'
डॉ. विनीता नितीन चौधरी
Dr. Vinita Nitin Chaudhary
संयुक्त निदेशक/वैज्ञानिक 'ई'
Joint Director/Scientist 'E'
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
San No. 102/IFD/SAN/2124/2019-2020 M/o Science & Tech
भारत सरकार, नई दिल्ली / Govt. of India, N. De

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Sep 27, 2019 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **2326960.00** (Rupees Twenty Three Lakhs Twenty Six Thousand Nine Hundred and Sixty Only) being the first year release for the project entitled "**DEVELOPMENT OF THIOUREA DERIVATIVES AS ANTIVIRAL AGENT FOR HEPATITIS B VIRUS INFECTION**", being implemented by

1. Dr. DEEPTI SHARMA, Sri Venkateswara College, Department of Chemistry, Benito Juarez Marg, Dhaula Kuan, New Delhi, South West Delhi - 110021, Delhi,
2. Dr. Vijay Kumar, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi-110070, Delhi, South Delhi - 110070, Delhi,

The detailed break-up is as given below:

| SNo | Institute Name | Recurring | | | | | Total Release Amount (Rs) | |
|-----|---------------------------------------|-----------|------------|----------|-------------|--------|---------------------------|------------|
| | | Manpower | Consumable | Travel | Contingency | Others | | Overhead |
| 1 | INSTITUTE OF LIVER & BILIARY SCIENCES | 699360.00 | 600000.00 | 0.00 | 50000.00 | 0.00 | 50000.00 | 1399360.00 |
| 2 | Sri Venkateswara College | 297600.00 | 500000.00 | 30000.00 | 50000.00 | 0.00 | 50000.00 | 927600.00 |

2. The amount of Rs. **2326960.00** /-(**Rupees Twenty Three Lakhs Twenty Six Thousand Nine Hundred and Sixty Only**) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

1. Rs. **927600.00** /-(**Rupees Nine Lakhs Twenty Seven Thousand Six Hundred Only**) to The Principal, Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021, Delhi

Bank Name : Andhra Bank
Branch Name : South Campus New Delhi
A/c No. : 136210100026643
IFSC Code : ANDB0001362
MICR Code : 11001136

2. Rs. **1399360.00** /-(**Rupees Thirteen Lakhs Ninety Nine Thousand Three Hundred and Sixty Only**) to The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi, New Delhi - 110070, Delhi

Bank Name : HDFC Bank
Branch Name : Site No 2, OCF Pocket, Sector C, Vasant Kunj, New
A/c No. : 50100150448142
IFSC Code : HDFC0000273
MICR Code : 110240034

3. The expenditure involved is debitable to:

| | |
|-----------------------------|--|
| Demand No. 87 | Department of Biotechnology |
| 3425 | Other Scientific Research 2019-2020 |
| 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, INSTITUTE OF LIVER & BILIARY SCIENCES, New Delhi, Delhi and The Principal, Sri Venkateswara College, New Delhi, Delhi will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.
5. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.
6. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
7. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further instalment of the grant and or at the time of Final Settlement of Accounts.
8. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest rate at the rate of ten percent thereon shall be recovered. 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.
9. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT, vide their SAN No. **102/IFD/SAN/2123/2019-2020** dated **September, 27 2019**.
10. This sanction order has been noted at serial no. 72 in the Register of Grants.

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 VIJAY KUMAR(Project Co-ordinator), D-1, Vasant Kunj
- 3 The Director, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi - 110070
- 4 The Principal, Sri Venkateswara College, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021
- 5 Dr. DEEPTI SHARMA, Assistant Professor, Chemistry, Sri Venkateswara College, Department of Chemistry Sri Venkateshwara College, Benito Juarez Marg, Dhaula Kuan, New Delhi -110021
- 6 Dr. Vijay Kumar, Professor, Molecular and Cellular Medicine, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, New Delhi-110070, Delhi, South Delhi - 110070, Delhi
- 7 Prof. SHIV KUMAR SARIN, Senior Professor, Hepatology, INSTITUTE OF LIVER & BILIARY SCIENCES, D-1, Vasant Kunj, South Delhi - 110070, Delhi
- 8 Cash Section, DBT (2 copies).
- 9 Sanction Folder.
- 10 File Copy.

(Dr. Vinita N Chaudhary)

Dr. Vinita Nitin Chaudhary
Joint Director/Scientist 'E'

बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योग. मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

(Dr. Vinita N Chaudhary)

Dr. Vinita Nitin Chaudhary
Joint Director/Scientist 'E'

बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योग. मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi