

No. BT/INF/22/SP45357/2022
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, (6-8th Floors)
CGO Complex, Lodhi Road,
New Delhi- 110 003
Date: 18-02-2022.

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Feb 14, 2022 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **3233600.00** (Rupees Thirty Two Lakhs Thirty Three Thousand Six Hundred Only) being the first year release for the project entitled "**DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education.**", being implemented by

Prof. Pradeep Kumar Naik, Sambalpur University, Jyotivihar, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Sambalpur, Odisha, Burla - 768019, Odisha,

The detailed break-up is as given below:

SNo	Institute Name	Recurring						Total Release Amount (Rs)
		Manpower	Consumable	Travel	Contingency	Others	Overhead	
1	Sambalpur University, Jyotivihar	1533600.00	1500000.00	50000.00	100000.00	0.00	50000.00	3233600.00

2. The amount of Rs. **3233600.00** /-(Rupees Thirty Two Lakhs Thirty Three Thousand Six Hundred Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

The Registrar, Sambalpur University, Jyotivihar, , Sambalpur - 768019, Odisha

Bank Name : State Bank of India

Branch Name : Jyoti Bihar Burla Sambalpur University Campus

A/c No. : 40564061145

IFSC Code : SBIN0006672

MICR Code : 768002011

3. The expenditure involved is debitable to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. The Registrar, Sambalpur University, Jyotivihar, Sambalpur, Odisha will submit audited utilization certificates and statements of expenditure in respect of the above-mentioned amount.

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'ए' / Scientist 'F'
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

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 earned should be remitted to the Consolidated fund of India through Bharat Kosh portal(www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.

8. 1. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAH/Gen/01 dated 7th June 2012.

2. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26th September 2012.

3. As per the Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e.f. 01.04.2015 to each beneficiary.

4. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.

5. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).

6. The institute should utilize this Non-Recurring amount within a period of 18 months.

7. 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 per annum thereon shall be recovered

8. The ownership of physical and intellectual assets created or acquired out of these funds shall rest with the DBT.

9. Continuation of the project beyond 31.03.2022 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2022.

10. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.

11. The expenditure by the implementing agency is to be incurred only through the EAT module of PFMS.

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/2742/2021-2022** dated **February, 14 2022**.

10. This sanction order has been noted at serial no. **79** dated.. in the Register of Grants.


डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'एफ' / Scientist 'F'
बायोटेक्नोलॉजी विभाग / Biotechnology
विज्ञान और प्रौद्योगिकी विभाग / Ministry of Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi
(Dr. Garima Gupta)
Scientist 'F'

To,

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

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Registrar, Sambalpur University, Jyotivihar, , Sambalpur - 768019, Odisha
- 3 Dr. Amiya Kumar Patel, Associate Professor, Biotechnology and Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 4 Dr. Birendra Behera, Assistant Professor, Biotechnology and Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 5 Dr. Hirak Chakraborty, Assistant Professor, School of Chemistry, Sambalpur University, Jyotivihar, School of Chemistry, Sambalpur University, Jyoti Vihar-768019, Sambalpur, Odisha, Burla - 768019, Odisha
- 6 Dr. Iswar Baitharu, Assistant Professor, Environmental Science, Sambalpur University, Jyotivihar, Department of Environmental Science, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 7 Dr. Nirius Jenan Ekka, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 8 Dr. Sunanda Sahoo, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Juoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 9 Dr. Surya Narayan Pradhan, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 10 Prof. Binata Nayak, Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 11 Prof. Pradeep Kumar Naik, Professor, Biotechnology & Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 12 Cash Section, DBT (2 copies).
- 13 Sanction Folder.
- 14 File Copy.


(Dr. Garima Gupta)
वैज्ञानिक 'एफ' / Scientist 'F'
संयोजन एवं प्रौद्योगिकी विभाग / Deptt. of Biotechnology
विज्ञान एवं प्रौद्योगिकी, मंत्रालय / M/o Science & Technology
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

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Block 2, (6-8th Floors)
CGO Complex, Lodhi Road,
New Delhi- 110 003
Date: 18-02-2022

RELEASE ORDER

In continuation of this Department's sanction order of even number dated Feb 14, 2022 sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rule, 1978, for the release of Rs. **30000000.00** (Rupees Three Crores Only) being the first year release for the project entitled "**DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education.**", being implemented by

Prof. Pradeep Kumar Naik, Sambalpur University, Jyotivihar, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Sambalpur, Odisha, Burla - 768019, Odisha,

The detailed break-up is as given below:

SNo	Institute Name	Non Recurring		Total Release Amount (Rs)
		Equipment	Other	
1	Sambalpur University, Jyotivihar	30000000.00	0.00	30000000.00

2. The amount of Rs. **30000000.00** /-(Rupees Three Crores Only) will be directly credited by the Pay & Accounts Officer, DBT in the account as detailed below:

The Registrar, Sambalpur University, Jyotivihar, , Sambalpur - 768019, Odisha

Bank Name : State Bank of India

Branch Name : Jyoti Bihar Burla Sambalpur University Campus

A/c No. : 40564061145

IFSC Code : SBIN0006672


MICR Code : 768002011

3. The expenditure involved is debitale to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

4. The Registrar, Sambalpur University, Jyotivihar, Sambalpur, Odisha 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 earned should be remitted to the Consolidated fund of India through Bharat Kosh portal(www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.
8. 1. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAH/Gen/01 dated 7th June 2012.
2. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26th September 2012.
3. As per the Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e.f. 01.04.2015 to each beneficiary.
4. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
5. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
6. The institute should utilize this Non-Recurring amount within a period of 18 months.
7. 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 per annum thereon shall be recovered
8. The ownership of physical and intellectual assets created or acquired out of these funds shall rest with the DBT.
9. Continuation of the project beyond 31.03.2022 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2022.
10. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.
11. The expenditure by the implementing agency is to be incurred only through the EAT module of PFMS.
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/2743/2021-2022** dated **February, 14 2022**.
10. This sanction order has been noted at serial no. **78** dated.. in the Register of Grants.

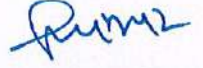

 डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
 वैज्ञानिक (Dr. Garima Gupta)
 बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi
Scientist 'F'

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.
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(Dr. Garima Gupta)
डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
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विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
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No. BT/INF/22/SP45357/2022
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 14/02/2022

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: **"DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education. (Level II)"** for a period of 5 Year 0 Month at a total cost of Rs. **47862880** (Rupees Four Crores Seventy Eight Lakhs Sixty Two Thousand Eight Hundred and Eighty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education."

2.2 Details of the Investigators:

Project Co-ordinator

Prof. Pradeep Kumar Naik

Professor, Biotechnology & Bioinformatics
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

Principal Investigator

Dr. Iswar Baitharu

Assistant Professor, Environmental Science
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

Prof. Binata Nayak

Professor, School of Life Sciences
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

CO-PI:

Dr. Nirius Jenan Ekka

Assistant Professor, School of Life Sciences
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

Dr. Hirak Chakraborty

Assistant Professor, School of Chemistry
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

Dr. Amiya Kumar Patel

Associate Professor, Biotechnology and Bioinformatics
Sambalpur University, Jyotivihar
Sambalpur, Odisha, Burla, Odisha, 768019

Dr. Surya Narayan Pradhan

Assistant Professor, School of Life Sciences
Sambalpur University, Jyotivihar

Sambalpur, Odisha, Burla, Odisha, 768019

Dr. Birendra Behera

Assistant Professor, Biotechnology and Bioinformatics

Sambalpur University, Jyotivihar

Sambalpur, Odisha, Burla, Odisha, 768019

Dr. Sunanda Sahoo

Assistant Professor, School of Life Sciences

Sambalpur University, Jyotivihar

Sambalpur, Odisha, Burla, Odisha, 768019

2.3 Objectives:

1. Establish a Central Analytical Instrumentation Facility to boost the education and research in this socio-economically challenged area where students/researchers/college teachers may have access to the facilities needed in advanced level training on instrumentation, undertaking dissertation works, and product/process development in Life Sciences.
2. Collection of prioritized high-value medicinal plants from the Gandhamardan hills with therapeutic potential, development of database and extraction of bioactive phytochemicals/fractions, chemical characterization, product development, extensive preclinical studies and clinical trials (with the help of our collaborator, SSN Ayurved College & Research Institute affiliated under Sambalpur University) with patient volunteers for therapeutic uses.
3. Generate baseline data on accumulation of heavy metals, persistent organic pollutants and pesticides on crop fields, water bodies, agricultural products and their association with chronic health disorders (like cancers and chronic kidney diseases) through analysis of flow pathway and food chain and estimation of Chronic Daily Intake towards societal benefits.
4. To detect the level of pesticides, persistent organic pollutants and heavy metals in patients' blood/tissue and their correlation with the chronic diseases as well as to investigate the mechanism using in vitro and in vivo animal models.
5. Provide a rare opportunity to the traditional healers and vaidyas as a knowledge centre towards isolation and characterization of the active biomolecules from the plant extract/herbal formulations developed by them for scientific investigation, refinement of their formulation and extensive preclinical studies and clinical trials for better acceptability to improve their livelihood.

2.4 Time Schedule:

The duration of the project is 5 Year 0 Month from the date of this sanction order.

2.5 Project Cost:

The total cost of the project is Rs. **47862880/-** (Rupees Four Crores Seventy Eight Lakhs Sixty Two Thousand Eight Hundred and Eighty Only) as per details given below :

Budget Head	Year I	Year II	Year III	Year IV	Year V	Total (Rs.)
Equipment	30000000.00					30000000.00
Manpower	1532600.00	1840320.00	1940320.00	1924320.00	1924320.00	9362600.00
Overhead	50000.00	50000.00	50000.00	50000.00	50000.00	250000.00
Travel	50000.00	50000.00	50000.00	50000.00	50000.00	250000.00
Consumables	1500000.00	1500000.00	1500000.00	1500000.00	1000000.00	7000000.00
Contingency	100000.00	100000.00	100000.00	100000.00	100000.00	500000.00
Laboratory training/workshop		200000.00	200000.00	200000.00	200000.00	800000.00
Total (Rs.)	33233600.00	3740320.00	3740320.00	3824320.00	3324320.00	47862880.00

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. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

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

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. Terms & Conditions:

1. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAH/Gen/01 dated 7th June 2012.
2. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26th September 2012.
3. As per the Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e.f. 01.04.2015 to each beneficiary.
4. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
5. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
6. The institute should utilize this Non-Recurring amount within a period of 18 months.
7. 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 per annum thereon shall be recovered
8. The ownership of physical and intellectual assets created or acquired out of these funds shall rest with the DBT.

9. Continuation of the project beyond 31.03.2022 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2022.

10. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.

11. The quarterly deliverables of the project are annexed at **Annexure A** for proper monitoring of progress of the project as per the said deliverables. PI should follow this for successful implementation of project and bringing it to a logical conclusion.

12. The expenditure by the implementing agency is to be incurred only through the EAT module of PFMS.

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 earned should be remitted to the Consolidated fund of India through Bharat Kosh portal(www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.

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

6. The Registrar, Sambalpur University, Jyotivihar, Sambalpur, Odisha 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-05/2019 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.(I) "The PIs/Implementing Agencies shall strictly adhere to the GoI instructions issued vide OM No.F.4.1.2021-PPD dated 30.6.2021 in the matter of issue of Global tender Enquiry with special reference to instructions contained under para 4 of the said OM for procurement of equipments, spares and consumables for research purposes and shall not issue Global Tenders Enquiries before seeking the approval of the competent authority".

(II) "After incurring the expenditure on import of such items and at the time of submission of UCs to the department next year, the PIs will also furnish the copy of the approval sought from the competent authority for issue of the GTE for such items of import. The release of next installment of grant will be subject to the fulfillment of the above condition."

12. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. **102/IFD/SAN/2741/2021-2022** dated **February, 14 2022**.

13. This sanction order has been noted at serial no. 77 in the Register of Grants.

(Dr. Garima Gupta)

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'एफ' / Scientist 'F'
बायोटेक्नोलॉजी विभाग / Deptt. 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 The Registrar, Sambalpur University, Jyotivihar, Sambalpur - 768019, Odisha
- 3 Dr. Amiya Kumar Patel, Associate Professor, Biotechnology and Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 4 Dr. Birendra Behera, Assistant Professor, Biotechnology and Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology and Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 5 Dr. Hirak Chakraborty, Assistant Professor, School of Chemistry, Sambalpur University, Jyotivihar, School of Chemistry, Sambalpur University, Jyoti Vihar-768019, Sambalpur, Odisha, Burla - 768019, Odisha
- 6 Dr. Iswar Baitharu, Assistant Professor, Environmental Science, Sambalpur University, Jyotivihar, Department of Environmental Science, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 7 Dr. Nirius Jenan Ekka, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 8 Dr. Sunanda Sahoo, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Juoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 9 Dr. Surya Narayan Pradhan, Assistant Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar-768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 10 Prof. Binata Nayak, Professor, School of Life Sciences, Sambalpur University, Jyotivihar, School of Life Sciences, Sambalpur University, Jyoti Vihar - 768 019, Burla, Sambalpur, Odisha, Burla - 768019, Odisha
- 11 Prof. Pradeep Kumar Naik, Professor, Biotechnology & Bioinformatics, Sambalpur University, Jyotivihar, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyoti Vihar - 768 019, Sambalpur, Odisha, Burla - 768019, Odisha
- 12 Cash Section, DBT (2 copies).
- 13 Sanction Folder.
- 14 File Copy.

(Dr. Garima Gupta)

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'एफ' / Scientist 'F'
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

Annexure -I

Details of the Equipment sanctioned for the implementation of the project entitled "**DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education.**":

Sambalpur University, Jyotivihar			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	GC-MS-Triple Quadrupole	1	9200000.00
2.	Analytical HPLC with PDA, ELSD, FLD detector	1	5000000.00
3.	Prep HPLC with fraction collector as well as PDA and Fluorescence detector	1	3500000.00
4.	Microwave Extraction system for essential oils and phytochemicals	1	2800000.00
5.	Clinical Biochemistry Analyzer	1	1800000.00
6.	ICP-OES Spectrometer	1	6800000.00
7.	High speed Centrifuge with variable rotors	1	900000.00
Total			30000000.00

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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 manpower sanctioned for the implementation of the project entitled "**DBT-BUILDER, Sambalpur University Interdisciplinary Life Science Programme for Advance Research and Education.**":

Head	No. of Position	Year I	Year II	Year III	Year IV	Year V	Total (Rs.)
Other1 Senior Project Associate (01) (Rs 42,000/- + 8 percentage HRA)	1	0	544320	544320	544320	544320	2177280
Other1 Senior Project Associate (01) (Rs 42,000/- + 8 percentage HRA)	1	453600	0	0	0	0	453600
Project Assistant Rs 20,000/- + 8 percentage HRA and (15 percentage increment after 3 years of experience)	5	1080000	1296000	1296000	1380000	1380000	6432000
Total(Rs.)		1533600	1840320	1840320	1924320	1924320	9062880

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-05/2019 dated 10.07.2020.

(Dr. Garima Gupta)
Scientist 'F'

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'एफ' / Scientist 'F'
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विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi
Page No. [6 / 10]

Quantifiable deliverable

Year	Quarter	Activities
1	1	<ul style="list-style-type: none"> Preparation of plan and dependencies. Laboratories renovation to address the unique needs. Manpower planning and recruitment drive. Finalizing the specifications of instruments and publication of tender documents for invitation of quotations for procurement of equipments and consumables.
	2	<ul style="list-style-type: none"> Appointment and joining of project staffs. Purchase of instruments, their installation, calibration and validation of performance, imparting trainings to project staff about instruments procured. Purchase of consumables, preparation of chemical inventory and stock books Standardization of experimental methods, finalization of protocols and research plan.
	3	<ul style="list-style-type: none"> Establishment of a sophisticated analytical instrumentation facility with all high end sensitive equipment and consumables. Selection of indigenous medicinal plants from the Gandhmardan with therapeutic importance based on literature survey and interaction with the local vaidya and healers. Collection of retrospective data on type of pesticides and chemical fertilizers used in Bargarh district since last 10 years.
	4	<ul style="list-style-type: none"> Field study to the Gandhamardan hill range and documentation of selected medicinal plants available and popularly the local vaidya and healers. Ethno-botanical study of selected medicinal plants through interactions and interview, geo-tagging, identification and herbarium preparation. Documentation on the patient history on occupational or indirect exposure to pesticides, persistent organic pollutants and heavy metals.
2	1	<ul style="list-style-type: none"> Collection of medicinal plants, their Identification and authentication by an expert taxonomist of the locality. Cataloguing and preservation of voucher specimen at the net house and herbal garden of Sambalpur University. Collection of samples of medicinal plants from the Gandhamardan and processing for extraction of phytochemicals. Epidemiology survey of CKDs and cancer in the villages having high incidence rate and collection of data by interaction, interviews and questioners.
	2	<ul style="list-style-type: none"> Standardisation of methods for extraction of different bioactive components in medicinal plants and their optimization through process modification using extraction system. Development and standardization of bioassay for activity dependent fractionation and their purification using preparative HPLC. Complete the epidemiology survey, analysis of data and selection of hot spot areas of scientific investigation. Assessment of algal and microbial diversity in crop field and water bodies. Organizing Refresher Course in the proposed area of phytochemical research and herbal drug development.
	3	<ul style="list-style-type: none"> Collection of plant samples from the Gandhamardan and extraction of phytochemicals, essential oils, fragrance and flavour compounds using extraction system. Phytochemicals profiling using GC-MS/LC-MS and chemometric analysis. Collection of soils and water from the agriculture fields, drinking water from water bodies, crops and vegetables samples from the hot spot areas, labelling and storage in lab for analysis. Collection of blood and tissue samples from patients suffering from CKDs and Cancer as well as healthy peoples after drinking their consent. Collection of algal and phytoplankton samples from the crop field and water bodies, their identification and documentation.
	4	<ul style="list-style-type: none"> Bioactivities guided fractionation, partial or complete purification of bioactive molecules and send it for structural characterisation by outsourcing.

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
 वैज्ञानिक 'एफ' / (Dr. Garima Gupta)
 बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

		<ul style="list-style-type: none"> Isolation of microorganisms from the soil and water samples, their culture, biochemical and molecular characterization analysis of harmful algal blooms (HABs), Identification and quantification of cyanotoxin producing algal species in aquatic bodies in villages with high incidence on CKDs. Extraction of heavy metals, persistent organic pollutants, pesticides from the soils and water samples collected as well as blood and tissue samples from patients. Organizing Hands-on training programme on the principle, instrumentation and use of analytical instruments for sample analysis.
3	1	<ul style="list-style-type: none"> Continuation of collection of plant samples from Gandhamardan and extraction of phytochemicals, essentials oils, fragrance and flavour compounds. Continuation of phytochemical profiling using GC-MS/LC-MS and chemometric analysis. Continuations of bioactivity guided fractionation, partial or complete purification of bioactive molecules and send it for structural characterization by outsourcing. Structural elucidations of lead molecules present in different fractions extracted using FTIR, Proton and Carbon NMR, Mass spectrometers, HRMS, etc. In vitro studies to determine therapeutic efficacy of the crude/partially purified/purified lead molecules, determination of therapeutic Index of different formulation through evaluation of EC50 and LC50 values. Study the physico-chemical properties of collected soil and water samples by referring the standard APA. Quantification of heavy metals, persistent organic pollutants, pesticides from the soil and water samples collected as well as blood and tissue samples from patients using ICP-OES, LC-MS, GC-MS. Quantification of nephrotoxic cyanotoxins in drinking water and pond water with high human and water in crop field using LC-MS.
	2	<ul style="list-style-type: none"> Continuation of collection of plant samples from Gandhamardan and extraction of phytochemicals, essentials oils, fragrance and flavour compounds. Continuation of phytochemical profiling using GC-MS/LC-MS and chemometric analysis. Continuations of bioactivity guided fractionation, partial or complete purification of bioactive molecules and send it for structural characterization by outsourcing. Continuation of structural elucidations of lead molecules present in different fractions extracted using FTIR, Proton and Carbon NMR, Mass spectrometers, HRMS, etc. Continuation of in vitro studies to determine therapeutic efficacy of the crude/partially purified/purified lead molecules, determination of therapeutic Index of different formulation through evaluation of EC50 and LC50 values. Determination of the impact of pesticide residues and heavy metals on algal growth mainly on nitrogen fixing algal species, phytoplanktons and microbial community. Continuation of study the physico-chemical properties of collected soil and water samples by referring the standard APA. Continuation of quantification of heavy metals, persistent organic pollutants, pesticides from the soil and water samples collected as well as blood and tissue samples from patients using ICP-OES, LC-MS, GC-MS. Organizing workshop and practical training on extraction of phytochemicals from medicinal plants, phytochemical profiling using GC-MS/LC-MS, quantification of desired chemicals using analytical HPLC, fraction and purification of bioactive compounds using Prep HPLC.
	3	<ul style="list-style-type: none"> Chemical synthesis of potent derivatives, purification of the products and structural characterization by their UV, IR, ¹H NMR, CNMR and mass spectral analysis. Comprehensive preclinical evaluation of the product formulations in their crude form, partially purified form, pure form and in conjugated form using in vitro disease models. Identification of the Impact of heavy metals and pesticide residues on soil, mineralisation rate and soil invertebrate with major focus on earthworms. Investigate the organ functions, blood biochemistry and physiology of patients suffering from CKDs and cancer using auto analyzers.
	4	<ul style="list-style-type: none"> Comprehensive preclinical evaluation and toxicity profiling of the product formulations in their crude form, partially purified form, pure form and in conjugated form using in vivo models. Impact assessment of heavy metals, persistent organic pollutants on algal community, crop plants, earthworms and patients suffering from CKDs and cancer

डॉ. गरीमा गुप्ता / Dr. G. (Dr. Garima Gupta)
वैज्ञानिक 'एफ' / Scientist 'F' Scientist 'F'

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

		<ul style="list-style-type: none"> Impact assessment of heavy metals, persistent organic pollutants and pesticides on microbial community. Develop animal models to investigate the mechanistic details of heavy metals and pesticides including CKDs and cancer, if any. Organizing Refresher Course/Orientation programme in the proposed area of environmental toxicology.
4	1	<ul style="list-style-type: none"> Development of formulation of natural products in crude form, partially purified form, pure form and synthetic form. Acute and sub acute dose dependent toxicological evaluation of formulated products using mammalian and cell models. Determining of risk associated with direct and indirect exposure to pesticide residues and heavy metals using Health Risk Index and Integrated Risk Information System Database.
	2	<ul style="list-style-type: none"> Development of formulation of natural products in crude form, partially purified form, pure form, and in synthetic form for the treatment for CKDs. Determining of risk associated with direct and indirect exposure to pesticide residues and heavy metals using Health Risk Index and Integrated Risk Information System Database. Determination haematological and hormonal changes in farmers occupationally exposed to pesticide residues. Assessment of cognitive functions of farmers occupationally exposed to pesticides using psychological test batteries. Determination of organ functions (Lungs, Kidney, Heart and brain) among patients and farmers occupationally exposed to pesticide residues. Organising hands-on training on clinical toxicology pertaining to chronic exposure of pesticides, heavy metals and persistent organic pollutants.
	3	<ul style="list-style-type: none"> Evaluation of products using in vitro and in vivo animal models. Evaluation of nephrotoxicity, hepatotoxicity and neurotoxicity of heavy metals and pesticides using mammalian and human model. Evaluation of hormonal axis dysfunction, i.e. HPA, HPG and HPT axis following exposure to pesticide and heavy metals through nasal and oral route. Behavioural alteration in animal models following exposure to heavy metals and pesticide residues.
	4	<ul style="list-style-type: none"> Clinical trials with patient volunteers to evaluate the efficacy of the herbal formulation for therapeutic application by our collaborators from S.S.N. Ayurved College & Research Institute. Blood Biochemistry and organ functions test to monitor any side effect to human volunteers. Elucidation of Mechanism of toxicity (Nephrotoxicity, Hepatotoxicity and Neurotoxicity) of selected heavy metals, pesticides residues and evaluation of their interactive effect (Synergistic, summative and or antagonistic effect). Organizing Workshop and hands-on training programme in the area of microbial community analysis, biochemical and molecular characterization of microorganisms and antibacterial activity of products.
5	1	<ul style="list-style-type: none"> Micro propagations of valuable medicinal plants, hardening and maintenance and maintenance of plants for conservation. Hardening of micro propagated plants using green house and field trials. Clinical trials with patient volunteers to evaluate the efficacy of herbal formulation for therapeutic application by our collaborators from S.S.N. Ayurved College & Research Institute. Isolation of Bacteria from the clinical samples of patients, antibiotic screening and maintenance of pure their pure culture. Assessment of correlation between pesticide and heavy metals exposure with incidence of chronic diseases in peoples exposed directly or indirectly.
	2	<ul style="list-style-type: none"> To investigate the impact of heavy metals, persistent organic pollutants and pesticides on diversity of microbial biomass, algal community, phytoplanktons and invertebrates in the agricultural fields and water bodies. Experimental evaluation of the product formulations in their crude form partially purified form, purified form and in conjugated form for antibacterial activity. Comprehensive in vivo evaluation of the product formulations in their crude form partially purified form, pure form and in conjugated form for anticancer activity using in vivo animal models.

डॉ. गरीमा गुप्ता (Dr. Garima Gupta)

वैज्ञानिक 'एफ' / Scientist 'F'

बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology

विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.

भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

		<ul style="list-style-type: none"> Organizing Workshop and Hands-on training programme in the area of animal cell culture, preclinical evaluation of product using in vitro studies.
	3	<ul style="list-style-type: none"> Development of formulation of natural products in the crude form, partially purified form, pure form and in synthetic form for the treatment of malaria and lymphatic filarisis. To study the transmission of pesticides, persistent organic pollutants and heavy metals to flora and fauna including human being through analysis of flow pathway and food chain and assess the risk factor on public health through estimation of Chronic Daily Intake. Development of remedial measures to combat the soil and water pollutants in the hotspot areas of high incidence of CKDs and Cancer.
	4	<ul style="list-style-type: none"> Development of technology and technology transfer, writing research papers and patents applications, submission of Final Technical Report. Translation of knowledge of the innovative process of product development and economic development. Summary of key findings and recommendations for further studies. Policies to improve the health conditions of the peoples living in the hot spot areas. Policies for the conservations and sustainable utilization of the valuable medicinal plants from the Gandhamardan. Organising Workshop and Hands-on Training Programme in the area of soil and water samples analysis for the presence of heavy metals, persisted organic pollutants and pesticides.


(Dr. Garima Gupta)
Scientist 'F'

डॉ. गरीमा गुप्ता / Dr. GARIMA GUPTA
वैज्ञानिक 'एफ' / Scientist 'F'
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology
विज्ञान और प्रौद्योग. मंत्रालय / Mo Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi



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कल्याण मंत्रालय, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India
Dated: 15/03/2021

No. 5/11/2020/NCD-III

To,

The Registrar,
Sambalpur University,
Jyoti Vihar – 768019.

SUB: Ad-hoc Project entitled:-“ Optimization of natural anticancer agent, Noscapine by rational design of its derivatives: chemical synthesis and preclinical evaluation for the management of breast cancer under Dr. Pradeep Kumar Naik

Sir,

The Director-General of the Council sanctions the above mentioned research scheme initially for a period of **One Year** w.e.f 16/03/2021 to 15/03/2022 subject to extension up to the total duration specified below.

The Director-General of the Council also sanctions the budget allotment of **Rs. 20,12,208/- (Rupees Twenty lakh twelve thousand two hundred eight only)** as detailed in the attached statement for the period ending 15/03/2022. The grant-in-aid will be given subject to the following conditions:

The payment of the grant will be made in lump-sum to the Head of the 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 staff appointed on the project should be paid as indicated in the budget statement attached.

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

One copy of the annual progress report along with One original Protocol (also soft copy) of work done be submitted to the Council every year after completion of ten months of the project. Failure to submit the report in time may lead to termination of the project.

PI to maintain a record 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 Host Institute shall utilize the grant after following the provisions laid down in the GFRs 2017 and T.A. Rules.

The PI is advised to keep the fund in a separate Saving Bank Account opened for research funds received from ICMR so as to ensure that interest earned thereon is also credited in to the Fund Account.

The other terms and conditions are available in the ICMR website.

The receipt of the letter may please be acknowledged.

Yours faithfully,

(Ishwar Likhar)
Admin. Officer,
For Director-General

Accounts V: RFC Number NCD/Ad-hoc/84/2020-21 dated 11.03.2021

1. Dr. Pradeep Kumar Naik , Principal Investigator, ICMR Project, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyotivihar – 768019
2. ISRM Section Number (2019-0951)
3. Mr. Hemant Kumar, Sr. TO
4. AO

/

For Director-General

SUB: Ad-hoc Project entitled:-“Optimization of natural anticancer agent, Noscapine by rational design of its derivatives: chemical synthesis and preclinical evaluation for the management of breast cancer under Dr. Pradeep Kumar Naik, Sambalpur University, Odisha

Budget for the period w.e.f. 16.03.2021 to 15.03.2022

Staff	1st Year
SRF@Rs.35,000+2,800(8%HRA) Rs.37,800/-	4,53,600
Recurring	
Noscapine, Chemicals and reagents for synthesis work, structural characterization, NMR and X-ray crystallography study, HPLC purification, Culture media and consumables, Columns and reagents for tubulin isolation & purification, Reagents for cellular and biochemical assays, Lab chemicals, Assay kits, Antibodies for cellular studies and apoptosis assay, fluorescent dyes, CO2 cylinder, Liquid nitrogen, Glass wares, Plastic wares, and accessories.	14,00,000
Nude mice for the xenograft study, Swiss albino mice for the toxicology study, animal feed, chemicals and reagents for histopathology, hematology, immunohistochemistry as well as toxicity profiling, cost for outsourcing, etc.	-----
Contingencies: Required for daily routine expenditure, hiring services and to meet the exigency needs of the project.	1,00,000
Sub Total	19,53,600
3 % Overhead	58,608
Travel	-----
Grand Total	20,12,208

Total Rs. 20,12,208/-

(Rupees Twenty lakh twelve thousand two hundred eight only)

RFC Number NCD/Ad-hoc/84/2020-21 dated 11-03-2021



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कल्याण मंत्रालय, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

No. 5/13/11/2020-NCD-III

Dated: 22/03/2021

Sub: Payment of **Full Installment of 1st year** grant-in-aid for the Adhoc research scheme entitled, "Optimization of natural anticancer agent, Noscapine by rational design of its derivatives: chemical synthesis and preclinical evaluation for the management of breast cancer under Dr. Pradeep Kumar Naik

MEMORANDUM

The Director-General, ICMR sanctions the payment of **Rs. 20,12,208/- (Rupees Twenty lakh twelve thousand two hundred eight only)** as the **Full Installment of 1st year** grant for incurring expenditure in connection with above mentioned research scheme. The amount of **Rs. 20,12,208/-** may be debited in the provision of **Rs. 20,12,208/-** made for the above mentioned research for the current financial year 2020-21.

A formal bill for **Rs. 20,12,208/-** is sent herewith for payment by RTGS to **COMPTROLLER OF FINANCE SAMBALPUR UNIVERSITY**

(Ishwar Likhar)
Admin. Officer
For Director-General

Accounts- V, ICMR (RFC Number NCD/Ad-hoc/84/2020-21 dated 11.03.2021 (for necessary payment alongwith ebill, P.F.M.S Form/Mandate from/Cancelled Cheque are enclosed)

Copy to:

1. The Registrar, Sambalpur University, Jyoti Vihar – 768019..
2. Dr. Pradeep Kumar Naik, Principal Investigator, ICMR Project, Department of Biotechnology & Bioinformatics, Sambalpur University, Jyoti Vihar – 768019.
3. ISRM Section Number (2020-0951)
4. Mr. Hemant Kumar, Sr. TO
5. AO

For Director-General

168
218124
Tel: 26588204-26588662-26589620



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डी. रामलिंगस्वामी भवन, अन्सरी नगर - पोस्ट बॉक्स 4911, नई दिल्ली - 110 029
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029
Date: 17.06.2021

No 51/3/2020-ANA/BMS

To

The Registrar
Sambalpur University,
Jyoti Vihar, Sambalpur-768019, Odisha

Subject:- Sanction of budget allotment for the project entitled "Elucidation of the distribution pattern of human pancreatic islets (α - and β - cells and association mapping with myosin-v motor protein" under Prof. Prof. Pradeep Kumar Naik, Department of Biotechnology & Bioinformatics, Sambalpur University, Orissa.

Sir/Madam,

The Director General of the ICMR sanctions the above mentioned research scheme initially for the period of Twelve months initially from 21-06-2021 subject to extension up to the total duration specified in para 4 below:-

1. The Director General of the ICMR also sanctions the budget allotment of 25,750/- as detailed in the attached statement for the period from 21-06-2021 to 20-06-2022. The grant-in-aid will be given subject to the following conditions.
2. The payment of the grant will be made in lump-sum to the Head of the Institute. The first installment of the grant will be paid generally as soon as report regarding appointment of the staff is received by the ICMR. The Staff appointed on the project should be paid as indicated in the budget statement.
3. The staff on the project will be recruited as per the rules and procedure of the host institute and second part of the undertaking be obtained from the employees of the project. The staff grant will not be released unless the required undertaking [part-II] from Head of the Institute is received in this office.
4. The demand for payment of the subsequent instalment of the grant should be placed with the ICMR in the prescribed proforma. The approved duration of the scheme is THREE YEARS. The annual extension will be given after review of the work done on the scheme during the previous year.
5. Five copies of the annual progress report in the attached prescribed proforma should be submitted to the ICMR every year after completion of ten months of the project giving complete actual details of the research work done. Failure to submit the report in time may lead to termination of project.
6. Subject to the condition that the grant will be utilize after following the provisions laid down in the GFRs-2017 & TA Rules. Please keep the fund in a separate Saving Bank Account opened for ICMR funded Research Projects so that interest earned thereon is credited in to this account.

The receipt of this letter may please be acknowledged.

G.S. Sandhu
Yours faithfully,
(G.S. Sandhu)
Sr. Admn. Officer
For Director General

Copy together with a copy of the budget statement forwarded to information. Prof. Pradeep Kumar Naik,
Department of Biotechnology & Bioinformatics, Sambalpur University, Orissa-768019.

2. Accounts. V. for information.
3. Copy together with the budget forwarded to Budget Section [Finance Section] for compilation of the Council Budget
4. IRIS Cell No.2020-0852

Administrative officer
For Director-General



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
STARTING THE NATION SINCE 1952

भारतीय आयुर्विज्ञान अनुसंधान परिषद
INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

OFF / UICAM : 011/26111111 / 011/26111112
Web-site : www.icmr.ac.in
E-mail : icmr@icmr.ac.in

No 51/3/2020-ANA/BMS

Date: 17.06.2021

Subject:- Payment of 1st & 2nd installment of the 1st year grant-in-aid for the "Elucidation of the distribution pattern of human pancreatic islets (α - β - cells) and association mapping with myosin-Va motor protein." under under Prof. Prof. Pradeep Kumar Naik, Department of Biotechnology & Bioinformatics, Sambalpur University, Orissa.

MEMORANDUM

The Director General of the ICMR sanctions grant of **Rupees 25,750/-** (Rs. Twenty five thousand seven hundred fifty only) as the 1st & 2nd instalment of 1st year grant for the period from **21.6.2021 to 20.6.2022** for incurring expenditure in connection with the above mentioned project.

The amount of **Rupees 25,750/-** (Rs. Twenty five thousand seven hundred fifty only) may be debited under the provision made of **Rs. 25,750/-** on the above mentioned research project for the year 2021-2022.

A formal bill for **Rs. 25,750/-** is sent herewith for payment of **Rs 25,750/-** in favour of The Registrar, Sambalpur University, Jyoti Vihar, Sambalpur-768019, Odisha is issued with the concurrence of the Finance Division, vide RFC No. - **BMS/Adhoc/87/2020-21** dated: **14/3/2021**.

(G.S.Sandhu)

Sr. Admn. Officer
for Director General

Copy to:-

1. The Registrar, Sambalpur University, Jyoti Vihar, Sambalpur-768019, Odisha
2. Prof. Pradeep Kumar Naik, Department of Biotechnology & Bioinformatics, Sambalpur University, Orissa-768019
3. Accounts - V.
4. Copy together with the budget forwarded to Budget Section [Finance Section] for compilation of the Council Budget.
5. ISRM ID No.2020-0852

Admn. Officer
For Director General



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
Sanskrit: वैद्यकीय अनुसंधान परिषद

भारतीय आयुर्विज्ञान अनुसंधान परिषद INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

Date: 31.10.2022

No.51/03/2020-ANA/BMS

Subject:- Payment of 1st and 2nd installment of the 2nd year grant for the project entitled, "Elucidation of the distribution pattern of human pancreatic islets (α - β -cells) and association mapping with myosin-Va motor protein." Under Dr. Pradeep Kumar Naik, Professor, Dept. of Biotechnology and Bioinformatics, Sambalpur University, Odisha.

Memorandum

The Director General of the ICMR sanctions the payment of **Rs. 25,750/- [Rupees Twenty Five Thousand Seven Hundred Fifty Only]** for the project of the 2nd year grant for the period from 21.06.2022 to 20.06.2023 for incurring expenditure in connection with the above-mentioned project.

The amount of **Rs. 25,750/-** may be debited under the provision made of on the above mentioned project for the year 2022-23.

A formal bill for **Rs. 25,750/-** is sent herewith for payment (after adjustment of Less Interest of Rs. 1,83/-) and net payment release by NEFT/ RTGS of **Rs. 25,567/-** in favour of **The Director, All India Institute of Medical Science, (AIIMS) Bhubaneswar**. This issued with the concurrence of the Finance Division, vide RFC No. BMS/Adhoc/87/2020-21 Dated: 14.03.2021

1. Contingency @ 25,000/- p.a.	= Rs. 25,000/-
2. Overhead @ 3%	= Rs. 750/-
	= Rs. 25,750/-
Less Interest	= Rs. 183/-
Net Payment	= Rs. 25,567/-

(G.S. Sandhu)
Sr. Administrative Officer
For Director General

1. Accounts V. ICMR
2. Copy to: The Registrar, Sambalpur University, Jyoti Vihar, Sambalpur-768019, Odisha.
3. The grant has been sanctioned on the conditions laid down in out letter referred to above.
4. Dr. Pradeep Kumar Naik, Professor, Dept. of Biotechnology and Bioinformatics, Sambalpur University, Odisha.
5. ISRM ID No. 2020-0852

Sr. Administrative Officer
For Director General

e bill N. 227108



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
Serving the nation since 1950

भारतीय आयुर्विज्ञान अनुसंधान परिषद
INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

Date: 31.10.2022

No. 51/3/2020-ANA/BMS

To,

Dr. Pradeep Kumar Naik,
Professor, Department of
of Biotechnology and Bioinformatics,
Sambalpur University, Odisha.

Subject:- Extension to research project entitled, "Elucidation of the distribution pattern of human pancreatic islets (α - β -cells) and association mapping with myosin-Va motor protein."

Sir/Madam,

Please refer to your letter dated Nil. forwarding the 1st annual report of work done on the above mentioned project.

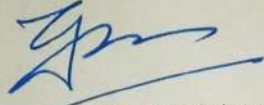
The Director-General of the ICMR sanctions continuation of the above mentioned project for further period of 2nd year w.e.f. 21.06.2022 to 20.06.2023 with budget allotment of Rs. 25,750/- The terms and conditions will remain same as mentioned in the office letter of even number dated Nil.

Thanking you,

Yours faithfully

[G.S. Sandhu]
Sr. Administrative Officer
For Director-General

1. Copy together with a copy of the budget statement forwarded for information to The Registrar, Sambalpur University, Jyoti Vihar, Sambalpur-768019, Odisha.
2. Copy together with budget statement forwarded to Accounts Section-V, ICMR information and further necessary action.
3. Copy together with copy of the budget statement forwarded to the Finance Section ICMR for information.
4. IRIS Cell No. 2020-0852.


Sr. Administrative Officer
For Director-General

Title of the project: "Design and Development of Molecular materials for Semi-transparent and flexible organic solar cell".

Name of the Principal Investigator: Dr. Amaresh Mishra, Reader, School of Chemistry, Sambalpur University, Sambalour-768019, e-mail: amaresh.mishra@suniv.ac.in

9438044602

Revised Budget recommended by the Committee

SL No.	Items	Year 1	Year 2	Year 3	Total
A. Non-recurring	High vacuum oil free pump for sample drying	80,000/-	-	-	80,000/-
Subtotal A		80,000/-			80,000/-
B. Recurring					
B1	Manpower (Project Fellow as Ph.D Scholar)	1,44,000/-	1,44,000/-	1,68,000/-	4,56,000/-
B2	Consumables	2,00,000/-	1,00,000/-	30,000/-	3,30,000/-
B3	Travel	-	5,000/-	10,000/-	15,000/-
B4	Contingency	20,000/-	10,000/-	10,000/-	40,000/-
SUB TOTAL B	Total Recurring Grant	3,64,000/-	2,59,000/-	2,18,000	8,41,000/-
GRAND TOTAL(A&B)	Recurring+ Non-recurring Grant	4,44,000/-	2,59,000/-	2,18,000	9,21,000/-

Recommendation of the Committee:

1. Acceptance of the revised budget as stated above
2. To engage a project fellow as Ph.D scholar under manpower for 3 years
3. Possibility of linking industries need to be explored

GOVERNMENT OF ODISHA
SCIENCE & TECHNOLOGY DEPARTMENT

No. 4885/ST, Bhubaneswar, dated the 15.11.2021
ST-SCST-MISC-0026-2020

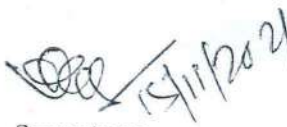
SANCTION ORDER

Sanction is hereby accorded for payment of an amount of Rs.4,44,000/- (Rupees Four lakh forty-four thousand) only from out of the funds available in the P.D. Account of State Council on Science & Technology, Odisha under the scheme "Functioning of State Council on Science & Technology" as per the details given below & as per terms and conditions enclosed at Annexure-I.

Name of the Payee	Purpose of payment	Amount (in Rupees)
Comptroller of Finance, Sambalpur University	Research grant for the 1 st year to carry out research project on "Design and Development of Molecular materials for Semi-transparent and flexible organic solar cell" by the Principal Investigator, Dr. Amaresh Mishra, Reader, School of Chemistry, Sambalpur University, Jyoti Vihar-768019	Rs. 4,44,000/-
Total		Rs. 4,44,000/-

(Rupees Four lakh forty-four thousand) only

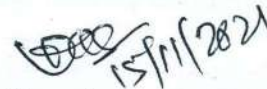
By order of the
Secretary to Government


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4886/ST., dated 15.11.21

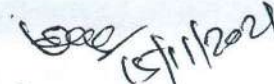
Copy in triplicate with Annexure-I forwarded to the Desk Officer, Accounts Section, Science & Technology Department, Government of Odisha for drawal of an amount of Rs. 4,44,000/- (Rupees Four lakh forty-four thousand) only out of funds available in the head "8443-Civil Deposit-106" in the P.D. Account of the State Council on Science & Technology, Odisha under the scheme 'Functioning of State Council on Science & Technology in favour of the Comptroller of Finance, Sambalpur University, Jyoti Vihar, Burla, Sambalpur, Odisha for online payment to the payee. The payee's Account Type- Current Account, Account No: 10526092015, Bank IFSC Code No: SBIN0006672, MICR No.-768002011, Mob No.9937188506.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4887/ST., dated 15.11.21

Copy with Annexure-I forwarded to Principal Accountant General (A&E), Odisha, Bhubaneswar/ Treasury Officer, District Treasury, Khordha, Bhubaneswar for information and necessary action.

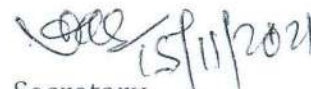

Secretary,

State Council on Science & Technology, Odisha

Memo No. 4888/ST., dated 15.11.21

Copy along with Annexure-I forwarded to the Comptroller of Finance, Sambalpur University, Jyoti Vihar, Burla, Sambalpur, Odisha for information and necessary action.

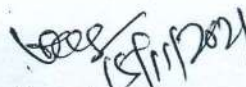
He is requested to submit **Stamped Money Receipt within 07 days after receipt of funds**, Utilization Certificate and Audited Statement of expenditure and progress report for the amount so sanctioned and released for 1st year i.e. Non-recurring: Rs 80,000/- and Recurring: Rs 3,64,000/-(Manpower: Rs 1,44,000/-, Consumable: Rs 2,00,000/- and Contingency: Rs 20,000/-), to the Secretary, State Council on S&T, Science & Technology Department, Government of Odisha.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4889 /ST., dated 15.11.21

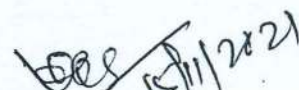
Copy along with Annexure-I forwarded to the Registrar, Sambalpur University, Jyoti Vihar, Burla, Sambalpur-768019, Odisha for information and necessary action.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4890 /ST., dated 15.11.21

Copy along with Annexure-I forwarded to the HOD, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Sambalpur-768019, Odisha for information and necessary action.


Secretary,

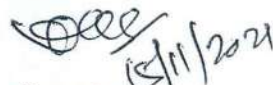
State Council on Science & Technology, Odisha

Memo No. 4891 /ST., dated 15.11.21

Copy along with Annexure-I forwarded to Dr. Amaresh Mishra, Reader, School of Chemistry, Sambalpur University, Jyoti Vihar-768019, e-mail: amares.h.mishra@suniv.ac.in for information and necessary action.

He is requested to submit **Stamped Money Receipt within 07 days after receipt of funds**, Utilization Certificate and Audited Statement of expenditure and progress report for the amount so sanctioned and released for 1st year i.e. Non-recurring: Rs 80,000/- and Recurring: Rs 3,64,000/- (Manpower: Rs 1,44,000/-, Consumable: Rs 2,00,000/- and Contingency: Rs 20,000/-), to the Secretary, State Council on S&T, Science & Technology Department, Government of Odisha through proper Channel.


Further, it is requested to send quarterly progress report (hard-copy) with respect to objectives, expenditure on various heads, along with photographs from field work, laboratory work, etc and soft copy by email.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4892 /ST., dated 15.11.21

Copy along with Annexure-1 forwarded to P&B Section of S & T Department/ Guard file of State Council on Science & Technology for information & necessary action.


Secretary,

State Council on Science & Technology, Odisha

TERMS AND CONDITIONS OF THE GRANT

1. The financial assistance shall be exclusively spent on the specified purpose for which it has been sanctioned. Any unspent balance out of the amount released should be surrendered to the Secretary, State Council on Science & Technology, Science & Technology Department, Odisha in shape of Bank Draft/ Banker's Cheque.
2. The Institute/ Organization shall furnish a stamped money receipt for the amount of financial assistance being released immediately.
3. The grantee institution should maintain a register at **Annexure-III** (Copy enclosed) of the permanent and semi-permanent assets acquired wholly or substantially out of Government grants. The register should be maintained by the grantee institutions separately in respect of each sanctioning authority and a copy thereof furnished to the sanctioning authority annually.
4. Grantee organization shall submit an undertaking to the sanctioning authority to the effect that it (the Institution) agrees to be governed by the conditions of the grant which result in the creation or acquisition of permanent or semi-permanent assets.
5. The assets, if acquired, shall not, without prior sanction of Government be disposed of or encumbered or utilized for purpose other than those for which grants are sanctioned. Assets for the above purpose should mean (a) immovable property and (b) movable property of a capital nature where the value exceeds Rs. 50,000/-.
6. The Institution shall furnish Utilization Certificate in the format at **Annexure-VI** (Form of Utilization Certificate) countersigned by the Head of the Department and **Annexure-VII** (Performa for reporting Physical Target/ Achievement made as per Utilization Certificate against the Grants-in-Aid received) in duplicate separately as time-line fixed as per the Finance Department Office Memorandum No. 21241/F dated 17.7.2014 (Refer to Website; www.gov.in / finance / notifications / 2014 / 21241 pdf).
7. The amount shall be utilized fully during the financial year 2021-22. Any unspent balance of the grant/ financial assistance shall be surrendered to the Secretary, State Council on Science & Technology, Science & Technology Department by the end of the financial year.
8. Any purchase out of the above grant/ financial assistance shall be made following the procedures laid down in OGFR and orders and instructions issued by government in Science and Technology Department from time to time.
9. Progress Report of the work done should be submitted to the Secretary, State Council on Science & Technology, Science & Technology department, Government of Odisha through the Head of the institution.
10. The proceedings / reports/ brochures/ literatures etc. pertaining to the programme should clearly indicate that the State Council on Science & Technology, Odisha, Science & Technology Department is one of co-sponsors of the aforesaid programme.
11. The Grantee institution shall abide by the terms & conditions in this regard, if applicable, as laid down in the Finance Department Office Memorandum No. 21241/F dated 17.7.2014 (Refer to Website; www.gov.in / finance / notifications / 2014 / 21241.pdf).

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 29 December, 2021

ORDER

Subject: Research project entitled **Design and Development of Coumarin-based Photoactive Molecules for Efficient and Stable Ternary Semitransparent and Flexible Organic Solar Cells** under the guidance of Dr. Amaresh Mishra, Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 and by Prof. Ganesh Datt Sharma, Professor, Physics, The LNM Institute Of Information Technology.

1. In continuation of SERB's sanction order No. CRG/2021/003426 dated 29 December, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 976238/-** under 'Grants-in-aid General' to Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla, Sambalpur, Odisha-768019 being the grant for the financial year 2021-2022 for implementation of the above said project.

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 29 December, 2021.

3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.

4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Inorganic Physical Chemistry**) (General).

5. The Sanction has been issued with the approval of the competent authority on **28 December, 2021** and vide Diary No. SERB/F/6218/2021-2022 dated **28 December, 2021**.

6. The release amount of **Rs. 976238/-** (Rupees Nine Lakh Seventy Six Thousand Two Hundred and Thirty Eight only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SUNIVFST
Account Name	COF Sambalpur University DST GOI
Account Number	38620425020
Bank Name & Branch	STATE BANK OF INDIA Jyoti Vihar Branch Sambalpur University Campus Sambalpur, Odisha - 768019
IFSC/RTGS Code	SBIN0006672
Email id of A/C Holder	cof@suniv.ac.in
Email id of PI	amaresh.mishra@suniv.ac.in

(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpcac@serb.gov.in

To,
Under Secretary
SERB, New Delhi
Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>Dr. Amaresh Mishra Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 Email: amaresh.mishra@suniv.ac.in Mobile: 919438044602</p> <p>Prof. Ganesh Datt Sharma Physics The LNM Institute Of Information Technology (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>COMPTROLLER OF FINANCE, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpcac@serb.gov.in

FILE NO. CRG/2021/003426
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, Government of India)
Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 29 December, 2021

ORDER

Subject: Financial Sanction of the research project titled **Design and Development of Coumarin-based Photoactive Molecules for Efficient and Stable Ternary Semitransparent and Flexible Organic Solar Cells** under the guidance of Dr. Amresh Mishra, Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 and by Prof. Ganesh Datt Sharma, Professor, Physics, The LNM Institute Of Information Technology - 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. 4307767/- (Rs. Forty Three Lakh Seven Thousand Seven Hundred and Sixty Seven Only)** with break-up of **Rs. 1499032/- under Capital (Non-recurring) head** and **Rs. 2808735/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 4307767/-** has been approved are given below:

The following budget may be considered for **Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla**

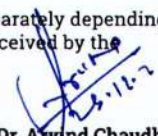
S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Spin coater -> Electrochemical Analyzer /Workstation including electrodes and computer system -> Hot plate cum Magnetic Stirrer -> Rotary High Vacuum Pump -> UV Lamp for Thin layer chromatography testing	1499032
A'	Total (Non-Recurring)	1499032
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 1100000 60000
2	Recurring - IV : (Overhead Charges)	391615
B'	Total (Recurring)	2808735
C	Total cost of the project (A' + B')	4307767

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
3. 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.
4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.
6. 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.
7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
8. The institute will furnish to the SERB, 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.
9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
10. 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
11. 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.

12. The project File no. CRG/2021/003426 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.

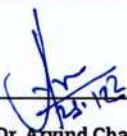
14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.


(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpac@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	<p>Dr. Amaresh Mishra Chemistry Sambalpur University , Jyoti vihar,Sambalpur,Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019 Email: amares.h.mishra@suniv.ac.in Mobile: 919438044602</p> <p>Prof. Ganesh Datt Sharma Physics The LNM Institute Of Information Technology (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>COMPTROLLER OF FINANCE, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar,Sambalpur,Orissa 768019, Jyoti Vihar, Burla</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpac@serb.gov.in

FILE NO. CRG/2021/003426-C
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, Government of India)
Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 29 December, 2021

ORDER

Subject: Research project entitled **Design and Development of Coumarin-based Photoactive Molecules for Efficient and Stable Ternary Semitransparent and Flexible Organic Solar Cells** under the guidance of Dr. Amaresh Mishra, Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 and by Prof. Ganesh Datt Sharma, Professor, Physics, The LNM Institute Of Information Technology.

1. In continuation of SERB's sanction order No. CRG/2021/003426 dated 29 December, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 1499032/-** under 'Grants-in-aid Capital' to Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla, Sambalpur, Odisha-768019 being the grant for the financial year 2021-2022 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 29 December, 2021.
3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
4. The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**PAC Inorganic Physical Chemistry**) (Capital).
5. The Sanction has been issued with the approval of the competent authority on **28 December, 2021** and vide Diary No. SERB/F/6217/2021-2022 dated **28 December, 2021**.
6. The release amount of **Rs. 1499032/-** (Rupees Fourteen Lakh Ninety Nine Thousand and Thirty Two only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SUNIVFST
Account Name	COF Sambalpur University DST GOI
Account Number	38620425020
Bank Name & Branch	STATE BANK OF INDIA Jyoti Vihar Branch Sambalpur University Campus Sambalpur, Odisha - 768019
IFSC/RTGS Code	SBIN0006672
Email id of A/C Holder	cof@suniv.ac.in
Email id of PI	amaresh.mishra@suniv.ac.in

(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpcac@serb.gov.in

To,
Under Secretary
SERB, New Delhi
Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Amaresh Mishra Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 Email: amaresh.mishra@suniv.ac.in Mobile: 919438044602 Prof. Ganesh Datt Sharma Physics The LNM Institute Of Information Technology (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	COMPTROLLER OF FINANCE, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Arvind Chaudhary)
Scientist D
ms-ipcpcac@serb.gov.in

Title of the project: "Studies on Cobalt Complexes as Potent Self activating Chemical Nucleases Implication in the Treatment of Cancer".

Name of the Principal Investigator: Dr. Nabakrushna Behera, Assistant Professor, School of Chemistry, Sambalpur University, sambalpur-768019, e-mail: nkbehera@suniv.ac.in, 9438307953

Revised Budget recommended by the Committee

SL No.	Items	Year 1	Year 2	Year 3	Total
A. Non-recurring	-	-	-	-	-
B. Recurring					
B1	Manpower(Project Fellow as Ph.D Scholar)	1,44,000/-	1,44,000/-	1,68,000/-	4,56,000/-
B2	Consumables	2,00,000/-	90,000/-	40,000/-	3,30,000/-
B3	Travel	8,000/-	8,000/-	8,000/-	24,000/-
B4	Contingency	15,000/-	15,000/-	10,000/-	40,000/-
SUB TOTAL B	Total Recurring Grant	3,67,000/-	2,57,000/-	2,26,000/-	8,50,000/-
GRAND TOTAL(A&B)	Recurring+ Non-recurring Grant	3,67,000/-	2,57,000/-	2,26,000/-	8,50,000/-

Recommendation of the Committee:

1. To engage a project fellow as Ph.D scholar
2. Acceptance of the revised budget as stated above
3. Priority should be given for patent filing
4. Consent of Bio-informatics faculty may be required

GOVERNMENT OF ODISHA
SCIENCE & TECHNOLOGY DEPARTMENT

No. 4877/ST, Bhubaneswar, dated the 15.11.2021
ST-SCST-MISC-0026-2020

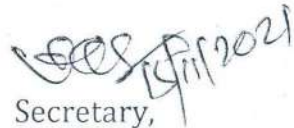
SANCTION ORDER

Sanction is hereby accorded for payment of an amount of Rs.3,67,000/- (Rupees Three lakh sixty-seven thousand) only from out of the funds available in the P.D. Account of State Council on Science & Technology, Odisha under the scheme "Functioning of State Council on Science & Technology" as per the details given below & as per terms and conditions enclosed at Annexure-I.

Name of the Payee	Purpose of payment	Amount (in Rupees)
Comptroller of Finance, Sambalpur University	Research grant for the 1 st year to carry out research project on "Studies on Cobalt Complexes as Potent Self activating Chemical Nucleases Implication in the Treatment of Cancer" by the Principal Investigator, Dr. Nabakrushna Behera, Assistant Professor, School of Chemistry, Sambalpur University, Jyoti Vihar-768019	Rs. 3,67,000/-
Total		Rs. 3,67,000/-

(Rupees Three lakh sixty-seven thousand) only

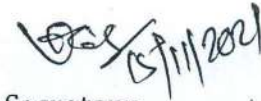
By order of the
Secretary to Government


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4878/ST., dated 15.11.21

Copy in triplicate with Annexure-I forwarded to the Desk Officer, Accounts Section, Science & Technology Department, Government of Odisha for drawal of an amount of Rs. 3,67,000/- (Rupees Three lakh sixty-seven thousand) only out of funds available in the head "8443-Civil Deposit-106" in the P.D. Account of the State Council on Science & Technology, Odisha under the scheme 'Functioning of State Council on Science & Technology in favour of the Comptroller of Finance, Sambalpur University, Jyoti Vihar, Burla, Sambalpur, Odisha for online payment to the payee. The payee's Account Type- Current Account, Account No.10526092015, Bank IFSC Code No.SBIN0006672, MICR No.-768002011, Mob No.9937188506.

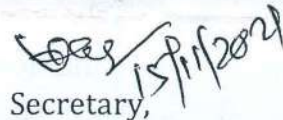

15/11/2021

Secretary,

State Council on Science & Technology, Odisha

Memo No. 4879/ST., dated 15.11.21

Copy with Annexure-I forwarded to Principal Accountant General (A&E), Odisha, Bhubaneswar/ Treasury Officer, District Treasury, Khordha, Bhubaneswar for information and necessary action.


15/11/2021

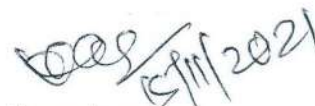
Secretary,

State Council on Science & Technology, Odisha

Memo No. 4880/ST., dated 15.11.21

Copy along with Annexure-I forwarded to the Comptroller of Finance, Sambalpur University, Jyoti Vihar, Burla, Sambalpur, Odisha for information and necessary action.

He is requested to submit **Stamped Money Receipt within 07 days after receipt of funds**, Utilization Certificate and Audited Statement of expenditure and progress report for the amount so sanctioned and released for 1st year i.e. Recurring: Rs 3,67,000/- (Manpower: Rs 1,44,000/-, Consumable: Rs 2,00,000/-, Travel: Rs 8,000/- and Contingency: Rs 15,000/-), to the Secretary, State Council on S&T, Science & Technology Department, Government of Odisha.


15/11/2021

Secretary,

State Council on Science & Technology, Odisha

Memo No. 4881/ST., dated 15.11.21


Copy along with Annexure-I forwarded to the Registrar, Sambalpur University, Jyoti Vihar, Burla, Sambalpur-768019, Odisha for information and necessary action.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4882/ST., dated 15.11.21

Copy along with Annexure-I forwarded to the HOD, School of Chemistry, Sambalpur University, Jyoti Vihar, Burla, Sambalpur-768019, Odisha for information and necessary action.


Secretary,


State Council on Science & Technology, Odisha

Memo No. 4883/ST., dated 15.11.21

Copy along with Annexure-I forwarded to Dr. Nabakrushna Behera, Assistant Professor, School of Chemistry, Sambalpur University, Jyoti Vihar-768019, e-mail: nkbehera@suniv.ac.in for information and necessary action.

He is requested to submit **Stamped Money Receipt within 07 days after receipt of funds**, Utilization Certificate and Audited Statement of expenditure and progress report for the amount so sanctioned and released for 1st year i.e. Recurring: Rs 3,67,000/- (Manpower: Rs 1,44,000/-, Consumable: Rs 2,00,000/-, Travel: Rs 8,000/- and Contingency: Rs 15,000/-), to the Secretary, State Council on S&T, Science & Technology Department, Government of Odisha through proper Channel.

Further, it is requested to send quarterly progress report (hard-copy) with respect to objectives, expenditure on various heads, along with photographs from field work, laboratory work, etc and soft copy by email.


Secretary,

State Council on Science & Technology, Odisha

Memo No. 4884/ST., dated 15.11.21

Copy along with Annexure-1 forwarded to P&B Section of S & T Department/ Guard file of State Council on Science & Technology for information & necessary action.


Secretary,

State Council on Science & Technology, Odisha

TERMS AND CONDITIONS OF THE GRANT

1. The financial assistance shall be exclusively spent on the specified purpose for which it has been sanctioned. Any unspent balance out of the amount released should be surrendered to the Secretary, State Council on Science & Technology, Science & Technology Department, Odisha in shape of Bank Draft/ Banker's Cheque.
2. The Institute/ Organization shall furnish a stamped money receipt for the amount of financial assistance being released immediately.
3. The grantee institution should maintain a register at **Annexure-III** (Copy enclosed) of the permanent and semi-permanent assets acquired wholly or substantially out of Government grants. The register should be maintained by the grantee institutions separately in respect of each sanctioning authority and a copy thereof furnished to the sanctioning authority annually.
4. Grantee organization shall submit an undertaking to the sanctioning authority to the effect that it (the Institution) agrees to be governed by the conditions of the grant which result in the creation or acquisition of permanent or semi-permanent assets.
5. The assets, if acquired, shall not, without prior sanction of Government be disposed of or encumbered or utilized for purpose other than those for which grants are sanctioned. Assets for the above purpose should mean (a) immovable property and (b) movable property of a capital nature where the value exceeds Rs. 50,000/-.
6. The Institution shall furnish Utilization Certificate in the format at **Annexure-VI** (Form of Utilization Certificate) countersigned by the Head of the Department and **Annexure-VII** (Performa for reporting Physical Target/ Achievement made as per Utilization Certificate against the Grants-in-Aid received) in duplicate separately as time-line fixed as per the Finance Department Office Memorandum No. 21241/F dated 17.7.2014 (Refer to Website; www.gov.in / finance / notifications / 2014 / 21241 pdf).
7. The amount shall be utilized fully during the financial year 2021-22. Any unspent balance of the grant/ financial assistance shall be surrendered to the Secretary, State Council on Science & Technology, Science & Technology Department by the end of the financial year.
8. Any purchase out of the above grant/ financial assistance shall be made following the procedures laid down in OGFR and orders and instructions issued by government in Science and Technology Department from time to time.
9. Progress Report of the work done should be submitted to the Secretary, State Council on Science & Technology, Science & Technology department, Government of Odisha through the Head of the institution.
10. The proceedings / reports/ brochures/ literatures etc. pertaining to the programme should clearly indicate that the State Council on Science & Technology, Odisha, Science & Technology Department is one of co-sponsors of the aforesaid programme.
11. The Grantee institution shall abide by the terms & conditions in this regard, if applicable, as laid down in the Finance Department Office Memorandum No. 21241/F dated 17.7.2014 (Refer to Website; www.gov.in / finance / notifications / 2014 / 21241.pdf).

FILE NO. STR/2021/000029
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 23-Dec-2021

ORDER

Subject: Financial Sanction of the research project titled "**Development of broad-spectrum peptide-based entry inhibitors to combat emerging and re-emerging viral infections**" under SERB Science and Technology Award for Research to **Dr. HIRAK CHAKRABORTY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla, Sambalpur, Odisha-768019**- Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned award at a total cost of **Rs. 38,50,000/- (Rs. Rupees Thirty Eight Lakh Fifty Thousand only Only)** for a duration of 36 months.

The items of expenditure for which the total allocation of **Rs. 38,50,000/-** has been approved are given below:

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 5,40,000 (@15,000/- per month)
2.	Research Grant	Rs. 10,00,000/- per annum
3.	Overheads	Rs. 1,00,000/- per annum
4.	Scientific Social Responsibility	Rs. 10000/-

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 12,90,000/- (Rupees Twelve Lakh Ninety Thousand only)** to **Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla** being the first installment of the grant for the year 2021-2022 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 SERB Science and Technology Award for Research (SERB-STAR). (Life Sciences)**

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/5799/2021-2022 dated 22 December, 2021**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (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. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

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

9. The release amount of **Rs. 12,90,000/- (Rupees Twelve Lakh Ninety Thousand only)** will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SUNIVFST
Account Name	COF SAMBALPUR UNIVERSITY DST GOI
Account Number	38620425020
Bank Name & Branch	STATE BANK OF INDIA JYOTI VIHAR BRANCHAT/PO JYOTI VIHARSAMBALPUR UNIVERSITY CAMPUSSAMBALPUR, ODISHA 768019
IFSC/RTGS Code	SBIN0006672
Email address of PI	hirakchakraborty@gmail.com
Email id of A/C Holder	cof@suniv.ac.in

Email address of concerned officer	pk.prasad@serb.gov.in
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10. The institute will furnish Utilization certificate(UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

11. The institute will maintain separate audited accounts for the fellowship. 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.


12. The File no. **STR/2021/000029** may also be mentioned in all research communications arising from the above project with due acknowledgement of **SERB**.

13. As this is the first grant for the fellowship, no previous U/C is required.

14. 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.

15. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.


16. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


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

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Hirak Chakraborty School of Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019 Email: hirakchakraborty@gmail.com Mobile: 918008716419 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla (Receipt of Grant may be intimated by name to the undersigned)


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

Dated: 25 December, 2021

ORDER

Subject: Financial Sanction of the research project titled **Exploring the interplay of viral fusion peptide with lipid membranes to unravel the mechanism underlying the cellular entry of enveloped viruses** under the guidance of Dr. Hirak Chakraborty, School of Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, Jyoti vihar, Burla, Sambalpur, Odisha-768019 - 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. 6178832/- (Rs. Sixty One Lakh Seventy Eight Thousand Eight Hundred and Thirty Two Only)** with break-up of **Rs. 3000000/- under Capital (Non-recurring) head and Rs. 3178832/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 6178832/-** has been approved are given below:

The following budget may be considered for **Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla**


S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> -20 °C Refrigerator -> Bath Sonicator (5 litre) -> Fluorescence spectrophotometer with polarizers, temperature-controlled sample chamber with stirrer -> Model Vesicle Prep Pro system for preparation of GUVs -> Temperature controlled water circulatory bath (10 °C to 80 °C)	3000000
A'	Total (Non-Recurring)	3000000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1257120 1300000 60000
2	Recurring - IV : (Overhead Charges)	561712
B'	Total (Recurring)	3178832
C	Total cost of the project (A + B')	6178832

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
3. 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.
4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.
6. 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.
7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
8. The institute will furnish to the SERB, 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.
9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
10. 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.
11. 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.

12. The project File no. CRG/2021/001515 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.


14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.


(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Hirak Chakraborty School of Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019 Email: hirakchakraborty@gmail.com Mobile: 918008716419 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in

Dated: 25 December, 2021

ORDER

Subject: Research project entitled **Exploring the interplay of viral fusion peptide with lipid membranes to unravel the mechanism underlying the cellular entry of enveloped viruses** under the guidance of Dr. Hirak Chakraborty, School of Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019.

1. In continuation of SERB's sanction order No. CRG/2021/001515 dated 25 December, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 1148900/-** under 'Grants-in-aid General' to Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla, Sambalpur, Odisha-768019 being the grant for the financial year 2021-2022 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 25 December, 2021.
3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**Interdisciplinary Biological Sciences**) (General).
5. The Sanction has been issued with the approval of the competent authority on **23 December, 2021** and vide Diary No. **SERB/F/6127/2021-2022** dated **25 December, 2021**.
6. The release amount of **Rs. 1148900/-** (Rupees Eleven Lakh Forty Eight Thousand Nine Hundred only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SUNIVFST
Account Name	COF SAMBALPUR UNIVERSITY DST GOI
Account Number	38620425020
Bank Name & Branch	STATE BANK OF INDIA AT/PO: JYOTI VIHARSAMBALPUR UNIVERSITY CAMPUSDISTRICT: SAMBALPUR ODISHA 768019
IFSC/RTGS Code	SBIN0006672
Email id of A/C Holder	cof@suniv.ac.in
Email id of PI	hirakchakraborty@gmail.com

(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Hirak Chakraborty School of Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019 Email: hirakchakraborty@gmail.com Mobile: 918008716419 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in

FILE NO. CRG/2021/001515-C
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 25 December, 2021

ORDER

Subject: Research project entitled **Exploring the interplay of viral fusion peptide with lipid membranes to unravel the mechanism underlying the cellular entry of enveloped viruses** under the guidance of Dr. Hirak Chakraborty, School of Chemistry, Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019.

- In continuation of SERB's sanction order No. CRG/2021/001515 dated 25 December, 2021, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 3000000/-** under 'Grants-in-aid Capital' to Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla, Sambalpur, Odisha-768019 being the grant for the financial year 2021-2022 for implementation of the above said project.
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in) and as mentioned in the sanction order of even number dated 25 December, 2021.
- As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant (**Interdisciplinary Biological Sciences**) (Capital).
- The Sanction has been issued with the approval of the competent authority on **23 December, 2021** and vide Diary No. **SERB/F/6126/2021-2022** dated **25 December, 2021**.
- The release amount of **Rs. 3000000/-** (Rupees Thirty Lakh only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SUNIVFST
Account Name	COF SAMBALPUR UNIVERSITY DST GOI
Account Number	38620425020
Bank Name & Branch	STATE BANK OF INDIA AT/PO: JYOTI VIHARSAMBALPUR UNIVERSITY CAMPUSDISTRICT: SAMBALPURODISHA 768019
IFSC/RTGS Code	SBIN0006672
Email id of A/C Holder	cof@suniv.ac.in
Email id of PI	hirakchakraborty@gmail.com

(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Hirak Chakraborty School of Chemistry Sambalpur University, Jyoti vihar, Sambalpur, Orissa 768019, jyoti vihar, burla, Sambalpur, Odisha-768019 Email: hirakchakraborty@gmail.com Mobile: 918008716419 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	REGISTRAR, SAMBALPUR UNIVERSITY, Sambalpur University, Jyoti Vihar, Sambalpur, Orissa 768019, Jyoti Vihar, Burla (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in



ODISHA STATE HIGHER EDUCATION COUNCIL

A-11, PustakBhawan (2nd floor) SukaVihar, Bhubaneswar-751022

No 392 /69/OSHEC

Dated- 25.06.2021

From,

Shri Sidhartha Dhal. OAS (SS)
Member Secretary, OSHEC

To,

Dr. Sibarama Panigrahi (32)
Sambalpur University Institute of Information Technology (SUITT), Burla

Ref: OURIIP Seed Fund - 2020/32-Computer Science & Technology

Sub: Sanction of Research Project: Design and Development of Large-Scale Time Series Forecasting Methods using Deep Learning Techniques.

Madam/Sir,

I am directed to say that the selection committee on Seed Fund under OURIIP – 2020 has recommended sum of Rs.4,50,000 /- only in support of the afore said research project for two years to carry out research activities as per the terms and conditions indicated at Annexure: I. The recommended budget is given below.

Budget						
Year- 1			Year-2			Grand Total(Rs.)
Non-Recurring	Recurring	Total (Rs.)	Non-Recurring	Recurring	Total (Rs.)	
Equipment: 2.0L	Man Power: 96000 Cons: 15000 Travel: 15000 Contin: 15000	341000	Nil	Man Power: 64000 Cons: 15000 Travel: 15000 Contin: 15000	109000	GT: 4.50L

Cons: CONSUMEABLES

Contin: CONTINGENCIES

Man Power: Project Assistant @ Rs.8000/- per month

Yours Faithfully

Member Secretary, OSHEC

Memo No- 393

Date- 25.06.2021

Copy with annexure-1 forwarded to Registrar, Sambalpur University Institute of Information Technology (SUITT), Burla for information & necessary action.

Member Secretary, OSHEC

FILE NO. CRG/2020/005162
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
 (A statutory body of the Department of Science & Technology, Government of India)

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

Dated: 23-Mar-2021

ORDER

Subject: Financial Sanction of the research project titled "**Design and Implementation of Low-Complexity Wavelet Encoder using Approximate Computations for Wireless Visual Sensor Network Applications**" under the guidance of Prof. BASANT KUMAR MOHANTY, Electronics and Telecommunication Engineering, NMIMS (Deemed to be University), Shirpur, Shirpur, Maharashtra-425405 and by Dr. Manish Mandloi, Assistant Professor, Electronics And Telecommunications Engineering, NMIMS (Deemed To Be University) - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2457400/- (Rs. Twenty Four Lakh Fifty Seven Thousand Four Hundred Only) with break-up of Rs. 620000/- under Capital (Non-recurring) head and Rs.1837400/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2457400/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Workstation -> EDA tools	620000
A'	Total (Non-Recurring)	620000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1164000 390000 60000
2	Recurring - IV : (Overhead Charges)	223400
B'	Total (Recurring)	1837400
C	Total cost of the project (A' + B')	2457400

2. Sanction of the SERB is also accorded to the payment of Rs. 620000/- (Rupees Six Lakh Twenty Thousand only) under 'Grants for creation of capital assets' and Rs. 680000/- (Rupees Six Lakh Eighty Thousand only) under 'Grants-in-aid General' to OFFICIATING DIRECTOR, ENGINEERING PROGRAMS, NMIMS (Deemed To Be University), Shirpur being the first installment of the grant for the year 2020-2021 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 Core Research Grant. (PAC Electrical Electronics & Computer Engineering)

4. The Sanction has been issued to NMIMS (Deemed To Be University), Shirpur with the approval of the competent authority under delegated powers on 22 March, 2021 and vide Diary No. SERB/F/8749/2020-2021 dated 22 March, 2021

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (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-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

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

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of Rs. 1300000/- (Rupees Thirteen Lakh only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	ININ00006076
Account Name	SVKM'S NMIMS
Account Number	71240200000538
Bank Name & Branch	BANK OF BORODA MUMBAI-56, JUHU VILE PARLE (W) MUMBAI 56
IFSC/RTGS Code	BARB0DBJHU
Email id of A/C Holder	narayan.chandak@nmims.edu
Email id of PI	bkmohanty67@yahoo.co.in

12. The institute will furnish to the SERB, 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.

13. 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.

14. The project File no. CRG/2020/005162 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

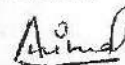
15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

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

17. 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.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.



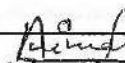
(Dr. Anima Johari)
Scientist D

anima.johari@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>Prof. BASANT KUMAR MOHANTY Electronics and Telecommunication Engineering NMIMS (Deemed to be University), Shirpur, Shirpur, Maharashtra-425405 Email: bkmohanty67@yahoo.co.in Mobile: 919425135311</p> <p>Dr. Manish Mandloi Electronics And Telecommunications Engineering NMIMS (Deemed To Be University) (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>OFFICIATING DIRECTOR, ENGINEERING PROGRAMS, NMIMS (Deemed To Be University), Shirpur</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



(Dr. Anima Johari)
Scientist D

anima.johari@serb.gov.in



ODISHA STATE HIGHER EDUCATION COUNCIL

A-11, PustakBhawan (2nd floor) SukaVihar, Bhubaneswar-751022

No 382 /69/OSHEC

Dated- 25.06.2024

From,

Shri Sidhartha Dhal. OAS (SS)
Member Secretary, OSHEC

To

Dr.Ajit Kumar Kullu (108)
Sambalpur University, Burla

Ref: OURIP Seed Fund - 2020/108-English

Sub: Sanction of Research Project: Duraang: Tribal Songs of Western Odisha.

Madam/Sir,

I am directed to say that the selection committee on Seed Fund under OURIP – 2020 has recommended sum of Rs.4,90,000 /- only in support of the afore said research project for two years to carry out research activities as per the terms and conditions indicated at Annexure: I. The recommended budget is given below.

Year- 1			Budget			Grand Total(Rs.)
Non-Recurring	Recurring	Total (Rs.)	Non-Recurring	Recurring	Total (Rs.)	
Equipment: 1.60L	Man Power: 96000 Cons: 25000 Travel: 37500 Contin: 42500	361000	Nil	Man Power: 24000 Cons: 25000 Travel: 37500 Contin: 42500	129000	GT: 4.90L

Cons: CONSUMEABLES

Contin: CONTINGENCIES

Man Power: Project Assistant @ Rs.8000/- per month

Yours Faithfully

Member Secretary, OSHEC

Memo No-... 383 ...

Date- 25.06.2024

Copy with annexure-1 forwarded to Registrar, Sambalpur University, Burla for information & necessary action.

Member Secretary, OSHEC

ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the approval of DBT supported Skill Vigyan Program for implementation by State Council for Science and Technology, Odisha at total cost of ₹ 273.80 lakhs (Rupees two crore seventy three lakhs and eighty thousand only) for three years period. The partnering institute wise budget details are given below:

2. Institute Wise Budget Allocation for three years period:

S.No.	Name of Partner Institutions and Training Program	Year Wise Budget Allocation			Total Budget
		First Year	Second Year	Third Year	
1.	<p>NRRI Cuttack</p> <p>(a) Student Training Program: Integration of in Vitro based Doubled Haploid technology, Marker Assisted Selection, transgenic and CRISPR-Case in rice improvement</p> <p>(20 students for one Training Program/Year)</p> <p>Eligibility: B.Sc. in Biology/Biotechnology</p> <p>Studentship as per eligibility: @ Rs. 5000/-p.m. for 3 months for 20 students</p> <p>(b) Faculty Training Program (Duration 21 Days): Integration of in Vitro based Doubled Haploid technology, Marker Assisted Selection, transgenic and CRISPR-Case in rice improvement.</p> <p>Minimum 20 Participants for one training/Year</p>	6.60	6.60	6.60	34.80
		5.00	5.00	5.00	
2.	<p>Institute of Life Sciences, Bhubaneswar</p> <p>(a) Technician Training Program (Duration 6 Months) Laboratory Technician Assistant</p> <p>20 Students for one training</p>	10.70	10.70	10.70	48.60

Continue...2/-

	<p>program/Year Eligibility: B.Sc. in Biology/Biotechnology Studentship as per eligibility: @ Rs. 5000/-p.m. for 6 months for 20 students (b) Faculty Training Program (Duration 21 Days) Life Sciences and Biotechnology Minimum 20 participates for one training Program/year</p>	5.50	5.50	5.50	
3.	<p>ICMR Regional Medical Research Centre, Bhubaneswar (a) Faculty Training Program (Duration 21 Days): Skill Vigyan in Biotechnology Minimum 20 Participants for one training Program / year</p>	5.50	5.50	5.50	16.50
4.	<p>Odisha University of Agriculture and Technology (a) Faculty Training Program (Duration 21 Days): Advances in Plant Tissue Culture Techniques "For Scientist/Faculty Members of ICAR Institute & State Agriculture Universities (SAUs)" Minimum 20 Participants for one training Program/Year</p>	5.50	5.50	5.50	16.50
5.	<p>Department of Biotechnology and Bioinformatics, Sambalpur Universities, Odisha Entrepreneurship Development Program (Duration 6 Months) (a) Entrepreneurship Development Program for Development of Value added food Products from Mahua Flowers and Maringa (20 Students for one training Program (Year) Studentship support to candidates for 6 months period @ Rs. 10,000/pm for 20 candidates</p>	31.50	31.50	31.50	94.50
6.	<p>Budget for Odisha State Council for coordination of activities with partner training institutes</p>	22.30	20.30	20.30	62.90
	Total:	92.60	90.60	90.60	273.80

Continue...3/-

(3) Budget Break-up (Program wise):

(A) Student Training Programme (Duration: 3 Months):

S. No.	Heads	Budget for 20 students for one training program /year (In Rs.)
	Recurring:	
1.	Consumables @ Rs. 10,000/ students	2,00,000
2.	Contingency @ Rs. 50000/year	50,000
3.	Travel Domestic for Experts Faculty and Students for Field Work (@ Rs. 20000/year)	20,000
4.	Visiting Faculty / Experts (@ Rs. 40000/year)	40,000
5.	Studentship as per eligibility: B.Sc. in Biology/Biotechnology @ Rs. 5000/-p.m. for 3 months for 20 students	3,00,000
6.	Maintenance Grant for equipment/Assets/Accessories (@ Rs. 50,000/year)	50,000
	Total:	6,60,000

(B) Faculty Training Program (Duration 21 days)

S. No.	Heads	Budget/Training (Rs. In lakhs)
1.	Minor laboratory Equipment	1.50
2.	Consumables for hands on training	1.75
3.	Advertisement	0.10
4.	TA/DA to Expert and Participants	1.25
5.	Technical Fee for Guest Faculty/Experts	0.40
6.	(a) Printing of Lab Manual (b) Stationary (c) Postage and Contingency	0.50
	Total:	5.50

(C) Technician Training Programme (Duration 6 months)

S. No.	Heads	Budget for 20 students for one training program /year (In Rs.)
	Recurring:	
1.	Consumables @ Rs. 15,000/ students	3,00,000
2.	Contingency @ Rs. 50,000/year	50,000
3.	Travel Domestic for Experts Faculty and Students for Field Work (@ Rs. 30000/year)	30,000
4.	Visiting Faculty / Experts (@ Rs. 40000/year)	40,000
5.	Studentship as per eligibility: B.Sc. in Biology/Biotechnology @ Rs. 5000/-p.m. for 6 months for 20 students	6,00,000
6.	Maintenance Grant for equipment/Assets/Accessories (@ Rs. 50,000/year)	50,000
	Total:	10,70,000

Continue...4/-

(D) Entrepreneurship Development Program (Duration 6 Months)

S. No.	Heads	Budget for 20 students for one training program /year (In Rs.)
1.	Advertisement	50,000
2.	Travel (TA/DA for participants and experts)	4,00,000
3.	Printing of course Material and Stationary	50,000
4.	Contingency	50,000
5.	Technical Fee for Experts/Faculty	2,00,000
6.	Detailed Project Report (DPR) preparation by potential candidates in consultation with industry expert / faculty (20 candidates/Year)	2,00,000
7.	Industrial training (3-6 months) for potential candidates (Rs. 50,000/candidates for 20 students) at Par with DBT-BITP	10,00,000
8.	Studentship support to candidates for 6 months period @ Rs. 10,000/pm for 20 candidates.	12,00,000
Total		31,50,000

(E) Budget Breakup of State Council for Coordination of Skill Vigyan Activities:

S. No.	Heads	(Rs. In lakhs)		
		Budget Allocation for Three Years		
		First Year	Second Year	Third Year
1.	Contingency	0.50	0.50	0.50
2.	Travel (Domestic Travel by State Nodal officer for coordination with DBT and Partner institutions in respective State)	1.00	1.00	1.00
3.	Training to Trainers (State level two workshop per year for duration of 3-5 days (A) Technical.Fee for Experts (B) TA/DA For Faculty and Experts (C) Contingency (D)Lodging/boarding for experts/facultyand Participants from partner institutions) (E) Printing of Training Manual	6.00	6.00	6.00
4.	Secretariat Peripheral support for Computer, Printer, Scanner, UPS (one time support)	2.00	0.00	0.00
5.	Consultant Rs. 75,000/month (Retired Eminent Scientist/Professor of State) Consolidated/As per GOI Norms	9.00	9.00	9.00
6.	Data Entry Operator Rs. 15000/month	1.80	1.80	1.80
7.	Expenses for skill certification and placement of skilled manpower. (a) State nodal officer will invite the concern sector skill council team for assessment of quality of manpower and conduct certification. State council shall organize the placement with potential identified industries/agencies for certified candidates	2.00	2.00	2.00
Total		22.30	20.30	20.30

Continue...5/-

(F) **Certification of Program:** Council will sign MoA/MoU with LSSSDC, New Delhi/Concerned Sector Skill Development Council established by Ministry of Skill Development and Entrepreneurship, Govt. of India and also with DBT, New Delhi for implementation of Skill Vigyan program.

(G) Name and address of Institution and course coordinator of Partnering Institutions are mentioned below in table.


S.No.	Name of Partner Institution	Name of Course Coordinator /Nodal Officer
1.	Odisha University of Agriculture and Technology	Dr. S Beura, Nodal Officer and Program Coordinator
2.	Department of Biotechnology and Bioinformatics, Sambalpur Universities, Odisha	Prof. Pradeep Kumar Naik
3.	NRRI, Cuttack	Dr. Sanghamitra Samantaray
4.	ICMR Regional Medical Research Centre, Bhubaneswar	Dr. R. K. Hazra, Scientist-'E'
5.	Institute of Life Sciences, Bhubaneswar	Dr. Tushar Kant Beuria Dr. Rajeeb K Swain

2. The State Nodal officer from Odisha State Council for Science & Technology, Odisha will be the full time course coordinator for Skill Vigyan Program and will submit utilization certificate and statement of expenditure duly signed by competent authorities in duplicate at the end of financial year.
3. The selection of students for under Skill Vigyan Program will be through Combined Common Entrance Test for Skill Vigyan Program at National Level conducted by Odisha State Council for Science & Technology, Odisha for selection and admission of students in DBT supported Skill Vigyan Program.
4. The State Nodal Officer from Odisha State Council for Science & Technology, Odisha is requested to furnish "Utilization Certificate" and an audited "Statement of Expenditure" to this Department in the enclosed formats, immediately in end of financial year and consolidated UC & SE after completion of the program, along with the refund of unspent balance, if any.
5. The accounts of the program to be maintained by the Odisha State Council for Science & Technology, Odisha shall be open to inspection by the sanctioning authority/ audit, whenever the agency is called upon to do so by the sanctioning authority.
6. 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 Utilization Certificate and Statement of Expenditure. The interest so earned will be treated as a credit to the Institute/Agency and shall be adjusted towards further installment of the grant and/or at the time of Final Settlement of Accounts.
7. The domestic travel by Air- India in refundable economy class is admissible under travel expenses as per GOI norms. There will be no international travel undertaken from the grant release under the program.

Continue...6/-

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. No Utilization Certificate pertaining to this program is pending with the Uttarakhand State Council for Science & Technology, Uttarakhand as it is a first time grant to the grantee Uttarakhand State Council for Science & Technology, Uttarakhand.
10. All payments to be transferred to all beneficiaries (including all vendor and students) by RTGS only & no payment will be made in cash.
11. The agency will enroll in EAT module for Transfer, Expenditure and Advances for management of grant sanctioned for this project by DBT, New Delhi.
12. MoA will be signed and accepted between (1) Odisha State Council for Science & Technology, Odisha and DBT, New Delhi before release of first year grant by DBT, New Delhi (2) Odisha State Council for Science & Technology, Odisha and Partnering Institute.
13. The agency is required to implement the program as per the terms and conditions given in Annexure-II.
14. The General Terms and Conditions of grant are enclosed as Annexure-III.
15. The expenditure involved is debitable to:

Demand No. 85	:	Department of Biotechnology,
3425	:	Other Scientific Research (Major Head)
60	:	Others (Sub Major Head)
60.200	:	Assistance to Other Scientific Bodies (Minor Head)
29	:	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	:	Assistance for Research and Development
29.17.31	:	Grants-in-Aid General for the year 2019-20 (Plan)
29.17.35	:	Grants for Creation of Capital Assets
16. This issues under powers delegated to this Department and with the concurrence of IFD vide their San. No. 102/IFD/SAN/ 572 /2019-20 dated: 31.05.2019
17. This sanction order has been noted at serial No..... in the register of grants.


(Dr. Manoj Singh Rohilla)
Scientist-'E'


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

Copy forwarded for information/necessary action to:-

1. The Principal Director of Audit (Scientific Dept.), AGCR Building, IP State, New Delhi-110 002.
2. Cash Section, DBT (2 copies).
3. IFD, DBT.
4. Dr. Puspasree Puan, Deputy Director (Technical) and State Nodal Officer, Odisha State Council for Science & Technology, Government of Odisha, Bhubaneshwar-751 001.

Continue...7/-

5. Prof. Pradeep Kumar Naik, Department of Biotechnology and Bioinformatics, Sambalpur Universities, Odisha
6. Dr. Sanghamitra Samantaray, ICAR-National Rice Research Institute, Cuttack - 753 006 Odisha
7. Dr. R. K. Hazra, Scientist-'E', ICMR - Regional Medical Research Centre, Chandrasekharpur Bhubaneswar - 751 023 Odisha.
8. Dr. Tushar Kant Beuria, Scientist-'E', Institute of Life Sciences, Bhubaneswar (ILS), NALCO Square, Bhubaneswar - 751 023 Odisha
9. Dr. Rajeeb K Swain, Scientist-'D', Institute of Life Sciences (ILS), NALCO Square, Bhubaneswar, 751 023 Odisha
10. Dr. S Beura, Odisha University of Agriculture and Technology, Bhubaneswar - 751 003 Odisha.
11. Sanction folder.



(Dr. Manoj Singh Rohilla)
Scientist-'E'

GST No.-21AAACB9760D122

SERVICE ORDER

CIN-U27100DL1999PLC108350

Vendor Code: 100016705 (Old Code:5) SAMBALPUR UNIVERSITY,BURLA P.G.ENVIRONMENTAL SCIENCES 768019 JYOTI VIHAR,SAMBALPUR 768019 Odisha India Mob.No:9668220609 Cont. Per: SAHU SANJAT KUMAR GSTN:21BBNS00270E1DS Email: sahusanjat@rediffmail.com	PO No: 1421002850 DATED 16.11.2021 PO Validity: 13.10.2021 TO 31.03.2022 Qtn No.: / Qtn Dt.: PO Raised By: ASHUTOSH PANI
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Dear Sir(s),

We are pleased to place our order on you for the following item(s) as per the price, terms & conditions mentioned below :-

Line Item	Item Details						
	Service Code	Service Description	Quantity	UOM	Rate (INR)	Disc % (INR)	Net Price (INR)
00010	/	STUDIES ON SOLID WASTE DISPOSAL SITE Make: N/A	1.000	AU	2105500.00	0.00	2105500.00

Specs :

1. Broad Scope of the Study:

- The condition of fly ash pond including the dumped fly ash which may result in leaching of pollutants to soil and underground water.
- Environmental degradation caused on account of any leaching from the ash dump site and also impact on flora and fauna etc.
- Preparation of remedial measures to be taken in the solid waste dump site for reclamation of the site.
- Detailed plantation studies with scope for three tire avenue plantation (This may be endorsed to the local forest department for acceptance).

Total Mound-1 to 7 and Total area=89 Acre

2. Details of Study

- Studies on i) Topographic ii) Soil profile iii) Geomorphic and iv) Hydrology for underground water flow direction.
- Studies on Chemical analysis of soils and solid waste (fly ash)

1. Leachability studies (TCLP and Comparison)

Environmental Conditioning monitoring on account of any leaching from ash dump.

PAGE 1 OF 6

Note: 1. For Standard Terms and Conditions, Please refer to annexure Documents, which forms a part of this order.
2. We Prefer Environment Friendly Material

3. Please ensure that the vehicle carrying our materials comply with the Pollution Norms and driver possesses a valid driving License.

Regd. Office : National Trust for Handicapped, 4th Floor, A-2, Shaheed Jeet Singh Marg, USO Road Qutab Institutional Area, New Delhi -110067

Handwritten signature

Bhushan Power And Steel Limited
Thelkoloi , Po : Lapanga - 768232
Rengali , Distt: Sambalpur (Odisha) India

Tel : +91(0) 663 - 2535000,2562026 TO 32
Fax : +91(0) 663 - 2562007/011
Web :
Pan : AAACB9760D

Bhushan
POWER & STEEL
PUR/ORI/001/000

GST No.-21AAACB9760D1Z2

SERVICE ORDER

CIN-U27100DL1999PLC108350

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	PO Validity:	13.10.2021 TO 31.03.2022
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- Environmental degradation caused on account of any leaching from the ash dump site and also impact on flora and fauna etc.

iii. Preparation of remedial measures to be taken in the solid waste dump site for reclamation of the site.

iv. Detailed plantation studies with scope for three tire avenue plantation (This may be endorsed to the local forest department for acceptance).

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i. Studies on i) Topographic ii) Soil profile iii) Geomorphic and iv) Hydrology for underground water flow direction.

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PO No.: 1421002850

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This would involve

- i) Collection of leachate and its chemical analysis
- ii) Experiments on leachate study

Mapping of surface geology and sub-surface geology, physiography and drainage pattern of the study area.

This would involve:

- i) Preparation of geological map
- ii) Preparation of Geological Cross section
- iii) Drainage map
- iv) Slope map

Collection and analysis of information on nature of the aquifers, occurrences, and movement of groundwater.

This would involve:

- i) Chemical analysis of water from tube wells
- # Preparation of groundwater contour map. This would involve:

- i) Measurement of piezometric levels in tube wells and preparation of water table map.

Prediction of existing ground water table and its mixing zone

Part of it is covered in the previous section. The mixing aspect would arise when we are nearer to ocean or a large reservoir.

Analysis of groundwater samples collected from study area and interpretation of results to establish the relation between surface and groundwater, using well known tools like piper trilinear diagram etc. This aspect involves: Suggestion for 03 tier plantation with species and plantation specification.

- i) Chemical analysis of ground and surface water.

- ii) Correlation between the two types of water.

- iii) Analysis using discriminant diagrams: The parameters to be analysed would be as per the requirement of the discriminant diagrams (for example Piper-trilinear diagram involves Ca, Mg, Na, K, Cl, SO₄, HCO₃ parameters)

Preparation of hydro-geochemical image contour illustrations to understand the spatial distribution of ionic constituents and their interrelation in the study area. This aspect involves:

- i) Preparation of element specific contour maps and their interpretation using ArcGIS Co-Kriging algorithm.

Groundwater samples exclusively from the study area and tested for the following parameters in addition to IS 2296 for detailed investigation:

Calcium

Magnesium

Sulphate

Chlorides

Total Dissolved Solids (TDS) and

Total Suspended Solids (TSS)

PAGE 2 OF 6

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SERVICE ORDER

This aspect involves:

- i) Analysis of all these parameters and comparison with ID 2296 standards.

Groundwater monitoring and installation of Piezometer: This aspect involves:

- i) Establishment of network of tube wells to monitor the piezometric level

2. Flora and Fauna Studies

To enlist the flora in the study area.

To enlist the fauna in the study area.

To conduct ecological enumeration of trees and herbaceous vegetation of forests in the study area (through measurement of frequency, density, dominance, and IVI).

To measure of the biodiversity indices of forests in the study area (through Index of diversity, Index of dominance, Index of richness). To measure the APTI (air pollution tolerance index) of tree species.

To enlist the species with different values.

To prepare the list of rare and endangered plant species.

To prepare the list of rare and endangered animal species.

5. Remedial measures to restore the area to its original characters.

Remedial measures for soil and groundwater contamination.

This aspect involves:

- i) Assessment of the possible areas of soil and groundwater contamination.
- ii) Providing site-specific management plan to abate soil and groundwater contamination if any.
- iii) Suggestion of measures to control the pollutants from the mounds affecting different entities of the environment.

Remedial measures through Afforestation (plantation) programme.

The aspect will involve:

- i) Rejuvenation of the area in terms of the forest cover.
- ii) Selection of suitable species for plantation on the basis of APTI.
- iii) Aspects for stabilization of vegetation cover on the solid waste surface.

PAGE 3 OF 6

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Activity/ SAC Number	Activity Code	Activity Description	Quantity	UOM	Rate	Net Amount
0000000010/998312	1011498	CONSULTANCY CHARGES	1.000	AU	2,105,500.00	2105500.00

Line Item Sub Total

2,105,500.00

Amount in Words:

Rupees Twenty One Lakh Five Thousand Five Hundred only

Grand Total(R/O):

2,105,500.00

DELIVERY :

Terms & Conditions:

1.Payment terms : WITHIN 30 DAYS AGAINST SUBMISSION OF R.A. BILL

2.Price Basis : OTH-SAMBALPUR SITE

3.Inspection :

4.Freight :

5.Guarantee :

6.Insurance :

7.Delay Cause :

8. Proposing Department : HOD ENVIORNMENT

9. Special Condition :-

Budget and Mode of Payment:

(i) Total Budget: Rs.21,05,500=00(Excluding Taxes and GSTIN)

(ii) Detailed Budget:

(i) Project Assistait (three nos) Rs. 3,60,000:00

(minimum qualification M.Sc./M.Tech in Environ. Sc.)

@ Rs. 20,000/- P.m. x 06 months X 3)

(ii) Field manpower Rs 18,000:00

(Daily wage labourer @ Rs. 300/- per day for 60 man days)

(ii) Purchase Chemicals and Glasswares Rs. 5,00,000.00 (for analysis✓
of soil, fly ash, water and Heavy metals)

(iii) Purchase of minor equipments. Rs. 5,00,000.00

(iv) Conveyance and DA during field work Rs. 1,57,500.00

(conveyance from University to site @ Rs. 5,000/-day

and DA @ Rs. 1,000/- day to scientists and @ RS. 500/- day

to Project Assistant for 15 field visit days.)

(v) Preparation Report. Rs. 50,000.00

(computation, typing, photographs, photo coping, binding)

(iv) Minor contingent expenditure Rs. 20,000.00

(including expenses for field, laboratory requirements)

(iiv) Honorarium to Scientists (Four nos.) Rs. 4,00,000.00 (@Rs.1,00

,000/- to each Scientist X 4- Amount is cover for entire job period that is 6 months)

(iiiv) Institutional (University) share Rs. 1,00,000.00 (@ Rs. 25% of
the honorarium of scientists)

Total Rs. 21,05,500/-

(Rs. Twenty one lakh five thousand five hundred only)

Mode of Payment:

PAGE 4 OF 6

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SERVICE ORDER

- i) 40% of advance with work order.
 - ii) 20% after completion of all field study within 02 months of service order issue.
 - iii) 20% after submission of draft report.
 - iv) 20% after submission of final report.
- Entire study to be completed within 6 months of work order issue.

University has to attend meetings with OSPCB if any meeting called by OSPCB on this subject for discussion or presentation. If there is any suggestions from OSPCB of incorporation in report, University has to do that.


Other Terms and condition:

1. Engagement of project staff will be made by the Department through advertisement in the University website and walk in interview.
2. Project details, map showing the locations and related data may be provided as per requirements.
3. A local guide from our organization for guiding the scientists, Project Assistant at the time of survey.
4. Since it is a Government Organization (ie. Sambalpur University and Educational Institute) no tax shall be levied and no GSTIN be insisted upon.
5. Food will be provided in our guest house to senior staffs during study period.

Note: Please send original Invoice by Post/Courier, and Duplicate copy for transport, along with the Consignment. Please mention our Order Reference No. in all communication and dispatch documents.

Subject to New Delhi Jurisdiction only

For Bhushan Power & Steel Ltd.


Authorized Signatory

PAGE 5 OF 6

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FILE NO. CRG/2021/006122
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 18 February, 2022

ORDER

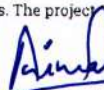
Subject: Financial Sanction of the research project titled **Studies on Deep Learning Models for Crude Oil Price Forecasting** under the guidance of Dr. Sibarama Panigrahi, Computer Science Engineering and Applications, Sambalpur University Institute of Information Technology, Behera colony, professors colony, cuttack, Sambalpur, Odisha-753007 - 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. 2207700/- (Rs. Twenty Two Lakh Seven Thousand Seven Hundred Only)** with break-up of **Rs. 518000/- under Capital (Non-recurring) head** and **Rs. 1689700/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 2207700/-** has been approved are given below:

The following budget may be considered for **Sambalpur University Institute Of Information Technology, Jyoti Vihar Burla, Sambalpur**

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Desktop -> UPS for Desktop	518000
A'	Total (Non-Recurring)	518000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1164000 265000 60000
2	Recurring - IV : (Overhead Charges)	200700
B'	Total (Recurring)	1689700
C	Total cost of the project (A' + B')	2207700


- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
- The institute will furnish to the SERB, 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.
- 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.
- 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
- 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.
- The project File no. CRG/2021/006122 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
- In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.
- Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.


(Dr. Anima Johari)

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Sibarama Panigrahi Computer Science Engineering and Applications Sambalpur University Institute of Information Technology, Behera colony, professors colony, cuttack, Sambalpur, Odisha-753007 Email: panigrahi.sibarama@gmail.com Mobile: 917377302566 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	DIRECTOR, Sambalpur University Institute Of Information Technology, Jyoti Vihar Burla, Sambalpur (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Anima Johari)
Scientist D
anima.johari@serb.gov.in