

Ref. No - 327

To, SRISTI BIRAC  
AES Boys Hostel Campus,  
Near Gujarat University Library & SBI Bank,  
Navrangapura  
Ahmedabad - 380 009  
Gujarat, India  
Phone: (91-79) 27912792, 27913293  
Fax: (91-79) 27913293, E-mail: info@sristi.org  
Web: http://www.sristi.org

Date: 25/04/2017

**Sub: Submission of project proposal (ALA)**

Dear Sir,

I, Dr. Ujjwal Sahoo, Associate Professor, Dr. B.C. Roy College of Pharmacy & Allied Health Sciences, West Bengal, India (Affiliated to: Maulana Abul Kalam Azad University of Technology, WB) submitting the ALA entitled: **To develop a formulation from PLANT 'X' extracts to Control Weevil in grain.** Name of Investigator: Jayita Das, Subham Saha, Sutirtha Das and Debajyoti Roy (Student). Name of Supervisor Dr. Ujjwal Sahoo, Associate Professor, Dr. B.C. Roy College of Pharmacy & Allied Health Sciences

We will be highly obliged if you kindly consider ALA for the project proposal and do the needful in this process.

Regards,  
Dr. Ujjwal Sahoo  
Associate Professor,  
Dr. B.C. Roy College of Pharmacy & Allied Health Sciences,  
Durgapur,  
WB, India

25/4/2017

## AWARD LETTER AGREEMENT

THIS AGREEMENT made on this 13<sup>th</sup> day of APRIL 2017, between SRISTI, **Society for Research and Initiatives for Sustainable Technologies and Institutions** (hereinafter called as SRISTI), a non-profit organization having its office at AES Boys Hostel Campus, Near Gujarat University Library & SBI, Navrangpura, Ahmedabad-380009, Gujarat, India; of the ONE PART and Dr. B. C. Roy College of Pharmacy & Allied Health Sciences, Dr. Meghnad Saha Sarani, Bidhan Nagar, Durgapur-713206, West Bengal; hereinafter called AWARDEE of the OTHER PART:

Whereas, SRISTI is an organization set up with the objective of strengthening the capacity of grassroots and student, inventors, innovators and ecopreneurs in the area of conserving biodiversity and developing eco-friendly solution to local problems; is engaged *inter alia* in the area search, documentation, experimentation, development, diffusion of sustainable technologies and Techpedia, a Sristi initiative aims at putting the problems of micro, small and medium enterprises, informal sector, grassroots innovators and other social sectors on the agenda of the young technology students across the country.

Whereas to promote the culture of innovation amongst the young minds of the country, SRISTI established three national awards for innovative student/faculty projects in engineering, pharmacy, science and applied technologies since 2012 in the name of Gandhian Young Technological Innovation Award (GYTI). Realising the need of the hour and looking at the innovation potential of awardees, Biotechnology Industry Research Assistance Council (BIRAC) a Government of India Enterprise of Department of Biotechnology (DBT), New Delhi has decided to give BIRAC-SRISTI GYTI Awards and BIRAC-SRISTI Appreciation Awards (hereinafter referred to as "Program" jointly or severally) administered through the Project Management Unit (PMU-BIRAC- SRISTI) at SRISTI.

WHEREAS Jayita Das, Subham Saha, Sutirtha Kumar Das and Debojyoti Roy R/o student investigator, studying/ working at Dr. B. C. Roy College of Pharmacy & Allied Health Sciences, Dr. Meghnad Saha Sarani, Bidhan Nagar, Durgapur-713206, West Bengal (Institute/ University) has been selected for BIRAC-SRISTI Appreciation Award for the Research Project titled "To develop a formulation from PLANT 'X' as per practice and evaluate its efficacy at different dose in weevil control", hereinafter referred to as PROJECT and Appended herein as Annexure-I WHEREAS all the Annexures to this Agreement shall be read as integral part of the Agreement.

AND WHEREAS both SRISTI and the Awardee together shall be referred to as Parties.

NOW THEREFORE the Parties on valid consideration and mutual covenants enter into this AWARD LETTER AGREEMENT, hereinafter referred to as "ALA" as provided hereunder:

- I. The Awardee will communicate with Coordinator, Project Management Unit (PMU-BIRAC-SRISTI) on [pmugyti@sristi.org](mailto:pmugyti@sristi.org)
- II. The Awardee shall undertake the activities as set out in the Project and shall conform to the detailed plan of work, specified objectives, outputs, milestones, and targets as detailed in *Annexure-I*.
- III. The sanction of the Award fund is subject to due submission of the expected time period of completion (months), details of expenses under suitable heads, with the bank account details for remitting instalments of grant money.
- IV. SRISTI will transfer the fund to the account details provided by the Awardee. To ensure proper utilisation of the fund, it will be necessary to send the utilisation certificate as and when required or yearly and after the completion of the project duly signed by the team member.
- V. The Awardee will maintain a logbook of activities based upon the standard good laboratory practice (GLP). A timeline of work plan will also have to be provided in the logbook.
- VI. The Awardee will be responsible for ensuring that the best ethical practices are followed during the project implementation.
- VII. The Awardee is allowed to take the help (*pro-bono* or on payment basis) of external agencies/ laboratories/ scientific experts during the course of their research / project support. However, complete outsourcing of work will not be allowed. This should be clearly mentioned in the details of expenses under the head 'Outsourcing'.
- VIII. There will be an online monitoring of the project progress; the awardee will be required to upload the progress on regular basis. However, the review of the progress will be on half yearly / yearly basis.
- IX. The Awardee will submit a brief final report about the achievements at the end of the Project period including the data generated.
- X. The Awardee should comply with the Institutional IP Policy if required by the institution concerned.
- XI. IPR will belong to the knowledge holders. Hence in publications, reviews due credit to contributors. The collaborators can be encouraged.

### **Settlement of disputes:**

Any difference or dispute between the parties or Awardee & Supervisor/Guide concerning the interpretation and/or implementation and/or application of any of the provisions of this agreement shall first be settled amicably through mutual consultation and/or negotiations between the parties; else President SRISTI/MD BIRAC / CIO-NIF may be invited as an arbitrator.

### **Revision, variation and amendment**

The awardee may request in writing a revision, variation or amendment of this agreement.


Any such revision, variation or amendment agreed to by the parties shall be in writing and shall form part of this agreement.

Such revision, variation or amendment shall come into force on such date as may be determined by the parties.

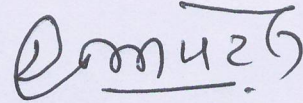
In witness whereof, the undersigned, being duly authorised by their respective organisations, to sign this agreement on the date as above written.

SEAL OF THE PARTIES


AWARDEE 

Name: Jayita Das, Subham Saha, Sutirtha Das and Debajyoti Roy 

SRISTI

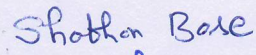
Name: 

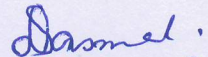
**Ramesh Patel**  
**Secretary**  
**SRISTI**  
**Ahmedabad**

Supervisor / Guide 

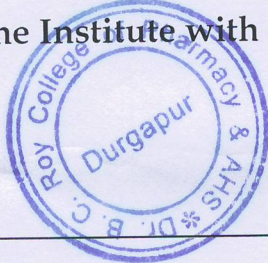
Name: Dr. Ujjwal Sahoo,  
Associate Professor  
Dr. B. C. Roy College of Pharmacy &  
Allied Health Sciences, Dr. Meghnad Saha  
Sarani, Bidhan Nagar, Durgapur-713206,  
West Bengal

In the presence of

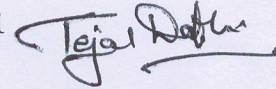
Witness 1   
Assistant professor.


Witness 2   
Prof. Dinakar Sasmel

Seal of the Institute with Name



In the presence of

Witness 1 

Witness 2 

Seal



*Annexure I*

1. **Title of the Innovation /Project:** To develop a formulation from PLANT 'X' as per practice and evaluate its efficacy at different dose in weevil control.
2. **Specific Objective of the activities to be supported by BIRAC-SRISTI Appreciation Grant:**
  - ❖ To conduct Extraction, Isolation and Identification of the PLANT 'X'.
  - ❖ To develop a formulation from PLANT 'X' as per practice and evaluate its efficacy at different dose in weevil control.
3. **Plan of Work: Activities, Time Periods & Milestones:**

Sr. No	Activities	Milestone				Remarks if any
		1-3 Months	4-6 Months	7-9 Months	10-12 Months	
1	Procurements of requirements, preparation of PLANT 'X' extracts	Aqueous and solvent extract will be prepared				
2	Phytochemical screening of PLANT 'X' extracts		Extracts containing various Phytoconstituents will determined			
3	Develop a formulation from PLANT 'X' as per practice			Development of formulation from of PLANT 'X' extracts		
4	Evaluate PLANT 'X' extracts efficacy at different dose in weevil control				Efficacy of extract at different dose in weevil control will be determined	

Sr. No.	Activities	Indicators of success	Risk involved in this step	Specific mentoring or contact or skill required	Infrastructure /Lab facility required
1	Procurements of requirements, preparation of PLANT 'X' extracts	High yield of aqueous and solvent extract	Deterioration of constituent may be occurred	---	Institute has its own facility to carry out work
2	Phytochemical screening of PLANT 'X' extracts	Confirmation of specific group of Phytoconstituents	False positive results in chemical identification	Performed under supervision of guide	Institute has its own facility to carry out work
3	Develop a formulation from PLANT 'X' as per practice	Significant develop a formulation	Insignificant formulation	Performed under the supervision of experts	Institute has its own facility to carry out work
4	Evaluate PLANT 'X' extracts efficacy at different dose in weevil control	Protection grains from weevil or Control of weevil in grains	Control of weevil in grains will not be induced	Innovator supervision is required	Work will be carried out under controlled lab condition

#### 4. Outputs:

In a current context, the use of PLANT 'X' extracts will be represents one of the best alternatives to chemicals for the development of environmental-friendly strategies for stored grain pest control and development of commercial formulation from PLANT 'X' as per practice and evaluate its efficacy at different dose in weevil control.

#### 5. Detail of Expenses:

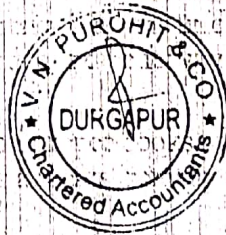
Head	Amount
1. Scholarship	25000/-
2. Consumable & Materials	45,000/-
3. Internal Travel	10,000/-
4. Laboratory Fee	20,000/-
5.	
7. Outsourcing	
<b>Total</b>	<b>1, 00, 000/-</b>

## AUDITORS REPORT

I/ We have certified the Receipts & Payment Account of SRISTY-BIRAC PROJECT, Dr.B.C.Roy College of Pharmacy & Allied Health Sciences, Durgapur as on 31<sup>st</sup> March 2018:-

- a. I/We have obtained all the information and explanation which to the best of my knowledge and belief were necessary for the purpose of my audit.
- b. In our opinion proper books of accounts as required have been kept by the concern as far appears from my examination of books of accounts.
- c. In our opinion and to the best of our information and according to explanation given to us, the said account gives a true and fair view.

Place: Durgapur  
Date: 07.06.2018



For V.N.Purohit & Co.  
Chartered Accountants

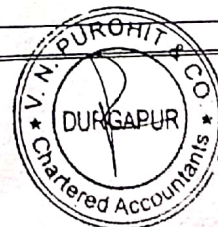
*Sugata Ganguly*  
(SUGATA GANGULY)  
PARTNER  
Membership No- 065153

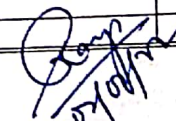
*Dr. B. C. Roy*  
Principal  
Dr. B. C. Roy College of Pharmacy & A.H.S.  
Bishannagar, Durgapur-713206, Burdwan

**SRISTY- BIRAC PROJECT**  
**DR.B.C.ROY COLLEGE OF PHARMACY & ALLIED HEALTH SCIENCES, DURGAPUR**

Receipts & Payment A/c  
for the year ended 31st March 2018

	Particulars	Amount (Rs.)	Amount (Rs.)		Particulars	Amount (Rs.)	Amount (Rs.)
To	Grant received from SRISTY-BIRAC		1,00,000.00	By	<b>Undergraduate Project Scholarship</b>		
					Jayita Das	6,250.00	
					Suturtha Kumar Das	6,250.00	
					Debojyoti Roy	6,250.00	
					Subham Saha	6,250.00	25,000.00
				By	<b>Consumable &amp; Materials</b>		
					Payment to Sigma Scientific	28,795.00	
					Payment to Classic Enterprise	26,203.00	
					Payment to JIMMY	490.00	
					Payment to Dipa General Stores	7,350.00	
					Payment to M/s New Sajghar	174.00	
					Consumable Others	328.00	63,340.00
				By	<b>Laboratory Fee</b>		5,310.00
					Payment to IICB Kolkata		
				By	Printing & Stationary (Aparna STD & Xerox Centre)		1,475.00
				By	Postage & Stamp		391.00
				By	Registartion Fees (for Paper Presentation)		600.00
					Payment to Forum of Scientists, Engg & Technologists (FOSET)		
				By	Travelling Expenses		340.00
				By	Accounts & Audit Exp. (FY: 2017-2018)		1,000.00
				By	SRISTI BIRAC PROJECT A/c (Refund the balance amount by NEFT)		2,544.00
			1,00,000.00				1,00,000.00



  
**Principal**  
 Dr. B. C. Roy College of Pharmacy & A.H.S.  
 Bidhannagar, Durgapur-713206, Burdwan