

**NO. SB/FT/LS-426/2012**  
**SCIENCE & ENGINEERING RESEARCH BOARD**

Technology Bhavan  
 New Mehrauli Road  
 New Delhi - 110 016.

Dated: 14 August, 2013

**ORDER**

Subject: Financial Sanction of the research project titled "Novel Quorum sensing modulators against biofilm forming *Cronobacter sakazakii*" under the guidance of Dr. Gunjan Goel, Deptt. of Biotechnology & Bioinformatics, Jaypee University of Information Technology, Wanknaghat, Solan-173215, Himachal Pradesh.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 23,50,000/- (Rs. Twenty Three Lakh Fifty Thousand Only) with break-up of Rs. 5,98,000/- under Capital head and Rs. 17,52,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 23,50,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.) for 3 years
<b>A</b>	<b>Non-recurring (Capital Items)</b>	
1	Equipment Microplate Spectrophotometer	5,98,000
A'	Total (Capital)	5,98,000
<b>B</b>	<b>Recurring Items (General)</b>	
1	General - A (Manpower, Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	14,52,000
2	General - B (Overhead Charges)	3,00,000
B'	Total (General)	17,52,000
<b>C</b>	<b>Total cost of the project (A' + B') for 3 years</b>	<b>23,50,000</b>

2. Sanction of the SERB is also accorded to the payment of Rs. 5,98,000/- (Rs. Five Lakh Ninety Eight Thousand Only) under 'Grants for creation of Capital assets' and Rs. 5,02,000/- (Rs. Five Lakh Two Thousand Only) under 'Grants-in-aid -General' to the REGISTRAR, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN being the grant for the year 2013-14 for implementation of the said research project.

3. The expenditure involved is debit to  
 Grant-in-aid for the year 2013-14 (Plan Expenditure- Capital) - Rs. 5,98,000/-  
 &  
 Grant-in-aid for the year 2013-14 (Plan Expenditure- General) - Rs. 5,02,000/-

This release is made under OYS Scheme.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/3089/2013-14 dated 14.08.2013.

6. Sanction of the grant is subject to the conditions as detailed in guidelines available at [www.serb.gov.in](http://www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

Contd...2/-

Accts

  
 Assistant Registrar (Academics)  
 Jaypee University of Information Technology  
 Wanknaghat, Distt. Solan (H.P.)



Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 2 / 12 / 13

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Development of a multicompartiment in vitro model of the human gastrointestinal tract (RGYI)**" for a period of 3 Year 0 Month at a total cost of Rs. **3096600** (Rupees Thirty Lakhs Ninety Six Thousand Six Hundred Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Development of a multicompartiment in vitro model of the human gastrointestinal tract (RGYI)"

**2.2 Project Investigator :**

**Dr. Gunjan Goel**

Senior Lecturer

Deptt. of Biotechnology and Bioinformatics

Jaypee Institute of Information Technology University,

Solan

Waknaghat, Solan -

173234, Himachal Pradesh

**CO-PI:**

**Mr. Vikas Beniwal**

Assistant Professor

Department of Biotechnology

Jaypee Institute of Information Technology

University, Solan

MMU, Mullaria, Ambala - 133207, Haryana

**Dr. Mamta Raghav**

DBT CioCARE Women Scientist

Department of Biotechnology And

Bioinformatics

Jaypee Institute of Information Technology

University, Solan

, Ambala - 135003, Haryana

**Dr. Udayabanu Malairaman**

Assistant Professor

Department of Pharmacy

Jaypee Institute of Information Technology

University, Solan

Waknaghat, Solan - 173234, Himachal Pradesh

**Dr. A K Puniya**

Principal Scientist

Dairy Microbiology Division

National Dairy Research Institute

NDRI, Karnal, Karnal - 132001, Haryana





**2.3 Objectives:**

1. Development of multi-compartment in vitro gut model of human intestine simulator.
2. Validation of in vitro model.

**2.4 Duration of the project:**

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

**2.5 Project Cost:**

The total cost of the project is Rs. **3096600/-** (Rupees Thirty Lakhs Ninety Six Thousand Six Hundred Only) as per details given below :

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	1215000.00			1215000.00
Manpower	158400.00	158400.00	184800.00	501600.00
Travel	10000.00	10000.00	10000.00	30000.00
Consumables	500000.00	400000.00	400000.00	1300000.00
Contingency	20000.00	15000.00	15000.00	50000.00
<b>Total (Rs.)</b>	<b>1903400.00</b>	<b>583400.00</b>	<b>609800.00</b>	<b>3096600.00</b>

**2.6 Equipment:**

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

**2.7 Manpower:**

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

**3. Head of Account:**

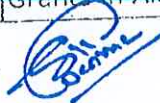
The Non-Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.02	Bioresource and Environmental Biotechnology
3425.60.200.29.02.35	Grants for creation of capital assets

The Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.02	Bioresource and Environmental Biotechnology
3425.60.200.29.02.31	Grants in Aid-General

**4. Terms & Conditions:**

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







भारतीय आयुर्विज्ञान अनुसंधान परिषद  
INDIAN COUNCIL OF MEDICAL RESEARCH

92  
31498

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

No. BIC/12(16)/2012

Dated: 13-4-2015

To

The Registrar,  
Jaypee University of Information Technology,  
Waknaghat, District - Solan - 173234(H.P.)

Subject:- Sanction of budget allotment for the new Research proposal entitled "Development of inhibitors to target glyoxylate and methylcitrate cycles essential for persistence of Mycobacterium tuberculosis".

Sir,

The DG, ICMR sanctions the above mentioned research scheme initially for the period of one year with effect from 1-03-2015 subject to extension up to the total duration specified in para 4 below:-

1. The DG, ICMR also sanctions the budget allotment of Rs. 18,62,300/- (Rupees eighteen lakh sixty two thousand three hundred only) as detailed in the attached statement for the period from 27-03-2015 to 26-3-2016 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 installment 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 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.

The receipt of this letter may please be acknowledged.

Yours faithfully,

*T. Ramani*

(T. Ramani)  
Sr. Administrative Officer  
For Director General

1. Dr. Chittaranjan Rout, Associate Professor, Department of Bioinformatics and Biotechnology, Jaypee University of Information Technology, Waknaghat, District - Solan - 173234 alongwith a copy of budget statement for information.
2. Accounts. V for information.
3. Budget Section [Finance Section]
4. IRIS Cell No. 2012-1700

Sr. Administrative Officer  
For Director General

*Accts*

*S. S. S.*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





## BUDGET STATEMENT

2014-2015

Subject: Research Project entitled "Development of inhibitors to target glyoxylate and methylcitrate cycle essential for persistence of Mycobacterium tuberculosis" under Dr. Chittaranjan Rout, Associate Professor Department of Bioinformatics and Biotechnology, Jaypee University of Information Technology, Waknaghat District – Solan(H.P.)

(27-03-2015 to 26-03-2016)


### STAFF:

Two JRF @ Rs. 25,000/- (p.m.) + 10% HRA	=	Rs. 6, 60,000/-
To upgraded to SRF in @Rs. 28,000/-p.m.+10%HRA		
Contingencies @ Rs. 2, 50,000/- (p.a.)	=	Rs. 2, 50,000/-
Equipment Rs. 9, 00, 0000/-	=	Rs. 9, 00,000/-
Travel	=	Rs. 25,000/-
Overhead Charges 3%	=	Rs. 27,300/-

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Total Rs. 18, 62,300/-  
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Total budget allotment of Rs. 18, 62,300/- (Rupees eighteen lakh sixty two thousand three hundred only)

RFC No. BIC/Adhoc/6/2014-15 dated 4-03-2015.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



INDIAN COUNCIL MEDICAL RESEARCH  
ANSARI NAGAR, NEW DELHI - 110029

No. BIC/12(16)/2012

13-11

Subject:- Payment of 1<sup>st</sup> installment of the 1<sup>st</sup> year grant-in-aid for the project entitled "Development of a rapid diagnostic assay to target glyoxylate and methylcitrate cycles essential for persistence of Mycobacterium tuberculosis".

Memorandum

The Director General, ICMR sanctions the grant of Rs. 79,310/- (Rupees seventy nine thousand three hundred ten only) being the 1<sup>st</sup> installment of the 1<sup>st</sup> year grant for the period from 27-3-2015 to 26-3-2016 for incurring expenditure in connection with the above-mentioned project.

The amount of Rs. 79,310/- may be debited out the provision of 18, 62,300/- on the above-mentioned project for the year 2014-15.

A formal bill for Rs. Rs. 79,310/- is sent herewith for release of payment by cheque/demand draft for Rs. 79,310/- in favour The Registrar, Jaypee University of Information Technology, Wagnaghat District Solan (H.P.) . This issues with the concurrence of the Finance Divn., Vide RFC No.BIC/Adhoc/6/2011 dated 04-03-2015.

Two JRF@ Rs.25, 000/- + 10% HRA = 55,000/-, Contingency@ Rs. 22,000/-, Overhead@3% Rs. 2,310/-  
Total = Rs. 79,310/-

(T.Ramani)  
Sr. Administrative Officer  
For Director General

Accounts V. ICMR

Copy to: The Registrar, Jaypee University of Information Technology, Wagnaghat, Distt. Solan (H.P.).

The grant has been sanctioned on the conditions laid down in out letter referred to above.

2. Dr. Chittaranjan Rout, Associate Professor, Department of Bioinformatics and Biotechnology, Jaypee University of Information Technology, Wagnaghat, District - Solan - 173234(H.P.).

3. IRIS Cell No. 2012 - 1700

T. Ramani  
Sr. Administrative Officer  
For Director General

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)





**COVERING LETTER FOR  
HP SPECIFIC RESEARCH & DEVELOPMENT PROJECTS  
(To be given on institution letter head)**

To

The Director,  
Department of Environment, Science & Technology (DEST),  
Paryavaran Bhawan, Near US Club,  
Shimla- 171001

Sir,

1. A research project entitled, "Extraction of keratin from poultry waste biomass of and its application in the production of value added products" is forwarded herewith.
2. It is certified that the same project or project with similar objectives has not been submitted to any other funding agency by the Investigator.
3. We have carefully read the terms and conditions of sanctioning the project and agree to abide by them.
4. The organization will provide all necessary infrastructural facilities (both laboratory and administrative) if the project is sanctioned.
5. The organization is fully responsible in regard to matters pertaining to the project.

  
Yours sincerely, (Principal Investigator)

Dr. Ashok Kumar, (Ph.D.)

Assistant Professor,


Department of Biotechnology and Bioinformatics, Jaypee University of Information  
Technology, Waknaghat, Solan - 173 234, 01792 - 239351-

Ext:354. | +919805806736 | [ashok.nadda@juit.ac.in](mailto:ashok.nadda@juit.ac.in)

(Signature of Registrar/ Director/ Head of the  
Institution with stamp)

Date; 09-11-2020.

Place: Solan

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Annexure-I

Registration No.: DEST(R&D)/2020-21:

**1. Project Title:** Extraction of keratin from poultry waste biomass of and its application in the production of value added products

**2. Thematic Areas (Tick one of the following):**

- 2.1 Application of Science and Technology for the upliftment of rural population in H.P.  
2.2 Impact of Hydro-Power Projects on Environment in H.P.  
2.3 Disaster Management especially w.r.t Earthquake resistant structures, landslides and flash floods in H.P.  
2.4 Urban solid waste management in H.P. ✓  
2.5 Health science especially public health and medicine specific to health issues in H.P.  
2.6 Renewable energy especially w.r.t Solar, Wind and Passive Solar Heating in H.P.  
2.7 Problems of environmental pollution in industrial areas of H.P.  
2.8 Geospatial technology and its applications in H.P.

**3. Duration in months** :24 months

**4. Total cost (in numbers and words)** : 7,60,000 ( Seven lacs sixty thousand rupees only)

**Nine lacsseventy-eight thousand only**

**5. Name of the Principal Investigator:** Dr. Ashok Kumar Nadda  
(Whether belongs to SC/ ST  
Attach certificate)

**6. Sex (Male/ Female)** : Male

**7. Designation and Official Address:** Dr. Assistant Professor  
Department of Biotechnology and Bionformatics,  
Jaypee University of Information Technology,  
Waknaghat, Himachal Pradesh India

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





8. Telephone

: +919805806736

Fax

:

E-mail

: ashok.nadda09@gmail.com

9. Co-Investigator

Dr. Poonam Sharma

(Whether belongs to SC/ ST Attach certificate)

10. Sex (Male/ Female)

Female

11. Designation and Official Address---

Associate Professor, Department of  
Biotechnology and Bionformatics, Jaypee  
University of Information Technology,  
Waknaghat, Himachal Pradesh India

12. Telephone

: 01792239402

Fax

:

E-mail

: poonam.sharma@juit.ac.in

Mob. No.

: 9418410165

12. Project Summary:

13. Title: Extraction of keratin from poultry waste biomass of Himachal Pradesh and its application in the production of value added products

Disposal of feathers from the poultry slaughterhouses industry in India is environmentally unacceptable. The feathers constitute up to 10% of total chicken weight, reaching more than  $7.7 \times 10^5$  metric ton/year as a by-product of the poultry industry. Chicken feathers have long been thought as a "waste". However, 90% of feathers structure constitutes of keratin, which is an important ingredient in cosmetics. The main objective of this work is the understanding the extraction mechanism of keratin protein from chicken feather using different reducing agents, ionic liquids. Finding suitable techniques for the separation of pure keratin protein and maintaining the functionality and structure of keratin. Currently there is an increasing interest in the development of materials that are environment friendly, obtained from renewable resources. The main renewable materials are obtained from polysaccharides, lipid and proteins. This excessive material is discarded in several cases, being a material of difficult degradation that may become an environmental problem. These hard keratins of chicken feather which are recognized as a solid waste generated from poultry processing industry are insoluble and resistant to degradation by common proteolytic enzymes, such as trypsin, pepsin and papain because of their high degree of cross-linking by disulfide bonds, hydrogen bonding and hydrophobic interactions. Bio-composites based on protein have promising potential applications in the various fields such as in coating industries, in food and nonfood packaging and in biomaterials. Due to excellent sensory properties, high nutritional quality edible films based on protein have excellent potential in food applications and they also have ability to protect food products from their nearby environment. These films have potential to improve the food products quality as they act as a carrier of antioxidant, bacteriostats and flavor. In recent years, these films have gained researchers attention due to their applications in edible and nonedible packaging materials. For the edible films production, the plant and animal proteins like have potential to be used as they possess above

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





### 17.1 Budgets for Consumables with Justification

S. No.	Item	Quantity/ No.	Budget		Total (In Rs.)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
1	Glasswares	As required	50,000		50,000
2	Plasticwares	As required	50,000		50,000
3	Chemical reagents		1,00,000	1,00,000	2,00,000
4	Mechanical Stirrer		40,000		40,000
Total budget required			2,40,000	1,00,000	3,40,000

### 17.2 Budget for Remuneration with Justification

S. No.	Designation of persons engaged in project	Number of persons engaged	Monthly Emoluments	Budget		Total (in Rs.)
				1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Project associate	1	15,000	1,80,000	1,80,000	3,60,000
Total						

### 17.3 Budgets for Travel with Justification

S. No.	Travel (Only inland travel)	Budget		Total (in Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Collection of chicken feather samples from different places of Himachal Pradesh	10,000	10,000	20,000
	To visit at instrumentation centers and Funding agency for project evaluation and progress report	10,000	10,000	20,000
		20,000	20,000	40,000

### 17.4 Budgets for Other Costs/ Contingencies With Justification

S. No.	Other costs/contingency costs	Budget		Total (in Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	
	Stationary for project work, Analysis and characterization of keratin and feather samples, characterization of keratin products	10,000	10,000	20,000
		10,000	10,000	20,000

S. No.	Item	Budget		
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total (Rs.)
1.	Remuneration (Salaries/ Wages)	1,80,000	1,80,000	3,60,000
2.	Consumables	2,00,000	1,40,000	3,40,000
3.	Travel	20,000	20,000	40,000
4.	Other Costs,	10,000	10,000	20,000
5.	G. Total	4,10,000	3,50,000	7,60,000

### 18. Availability of major Infrastructural Facilities & Equipments with the parent

institution(s) – Yes/ Centrifuge, Incubator shaker, water bath and weighing machine available at JUIT

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)  
P.O. Waknaghat, Teh. Kandaghat, Distt. Solan - 173234 (H.P.) INDIA  
Website : www.juit.ac.in  
Phone No. +91-01792-257999 (30 Lines)  
Fax : +91-01792-245362

081530

Ref: JUIT/REG/PA/2122/001

April 09, 2022

Ms. Megha Mourya  
D/o. Sh. Sontosh Kumar Mourya  
Tilak Ward no 12, Near Railway Station, Sohagpur  
Distt. Hoshangabad, M.P.  
Himachal Pradesh

Dear Megha,

1. The University is pleased to offer you the appointment of Project Associate (PA) under Research Project entitled "Extraction of keratin from poultry waste biomass and its application in the production of value added products" sanctioned by the DEST-funded project (env s&t 9f)/5-1/2022-2016), Government of Himachal Pradesh from April 21, 2022 to April 20, 2024 for the period of two year.
2. During the course of fellowship, the mutual separation or termination may be done by either party without assigning any reason through giving a notice equivalent to the period of one month or equal amount of fellowship thereof.
3. You will be paid consolidated fellowship amount of Rs. Rs. 15,000/-per month from the Project Grant.
4. You are required to join Jaypee University of Information Technology (JUIT), Waknaghat by April 25, 2022 and report to the PI of the Project, Dr. Ashok Kumar Nadda and Co-PI of the Project Dr. Poonam Sharma, Department of Biotechnology and Bioinformatics for further briefing and tasking.
5. Hard copy of the letter is being sent to you by post.

Thanking You.

Yours sincerely,

  
Registrar  
09/04/22

c.c.: Accounts & Finance  
Dr. Ashok Kumar Nadda (PI)  
Dr. Poonam Sharma (Co-PI)

For Information and needful please.  
1. For information and confirming joining of the PA on arrival.  
2. For further management and task assignment.

Prof. Sudhir Kumar (HoD-BT & BI)

For Information Please

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



31503

Tele/Fax : 01982-252096



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

118/6/JUIT-I/15 /DIHAR

27 Jan 2015

Director  
Jaypee University of Information Technology  
Waknaghat, Solan 173215  
Himachal Pradesh

**SANCTION OF CARS ENTITLED "TRANSCRIPTOME ANALYSIS OF SEABUCKTHORN MALE AND FEMALE FLOWER BUDS"**

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

Title of the CARS & No	Sanction cost (Rs in Lakh)	PDC
"TRANSCRIPTOME ANALYSIS OF SEABUCKTHORN MALE AND FEMALE FLOWER BUDS "(DIHAR /01/ CARS /2015)	9.996 Lakh	24 Months

2. Normal purchase and accounting procedure will be followed.
3. Based on this sanction budget provision of funds for actual expenditure will be made through periodical Budget Estimates under the relevant heads of accounts and expenditure will be debited to Major Head 2080 and Minor Head 110 of Defence Services Research and Development.
4. Dr. Tsering Stobdan, Scientist of DIHAR will be coordinator of the project.
5. The Principal Investigator (PI) will submit financial closure report of the CARS after PDC.
6. The PI will submit the Audited Detailed Statement of Expenditure, Utilization Certificate and Closure Report.
7. IPR issues viz Patent / Publication will be shared jointly with prior approval.

Auth: No. DRDO/DBFA/FA/83226/M/01/2031/D(R&D)dated 30 July 2010.

Encls : As above

(Dr. RB Srivastava)  
OS & Director

**Copy to :**

Director General (Life Sciences)  
DRDO Bhawan, Rajaji Marg  
New Delhi -110011 - for info and necessary action, please.

Director (PM)  
O/o Director General (Life Sciences)  
DRDO Bhawan, Rajaji Marg  
New Delhi -110011 - for info and necessary action, please.

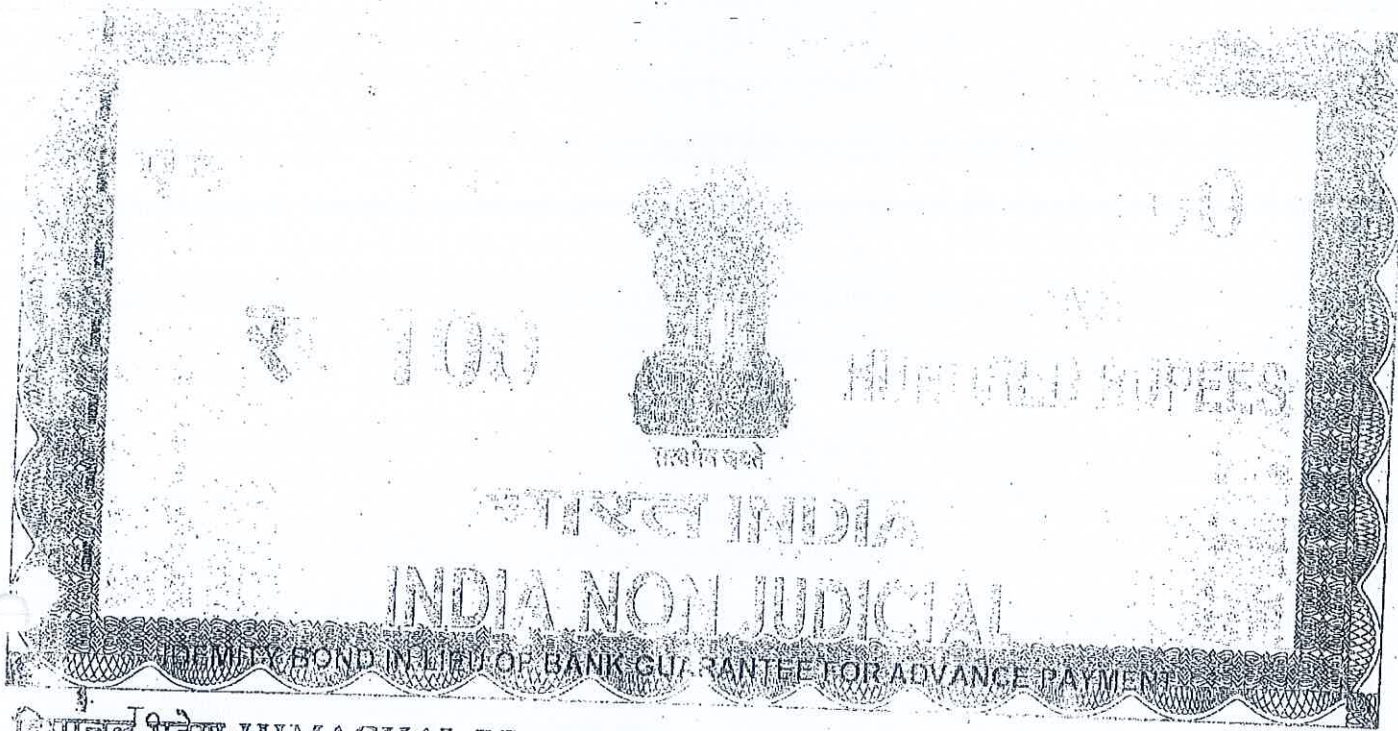
Accounts Officer (R&D)  
Himparisar, Sector 37-A  
Chandigarh - for info and necessary action, please.

Dr. Anil Kant  
Jaypee University of Information Technology - for info and necessary action, please.

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







हिमाचल प्रदेश HIMACHAL PRADESH

The President of India  
Through Director DIHAR  
C/o 56 APO, Pin: 901 205

864409

Whereas We, Jaypee University of Information Technology, Wagnaghat, Solan, HP, 173234 have entered into a contract with you in accordance with the terms and conditions of the agreement no 118/6/JUIT-I/15/DIHAR dated 27<sup>th</sup> Nov 2015 (herein after referred to as "the said Contract").

Whereas under the said contract you have agreed to make certain advance payment to us on our furnishing an Indemnity Bond.

We, Jaypee University of Information Technology, Wagnaghat, Solan, HP, 173234 hereby undertake as follows:

1. In consideration of your agreeing to pay the advance payment in accordance with the said contract on our furnishing Indemnity Bond, we hereby undertake to indemnify you keep you indemnified from-time to time to the extent of Rs. 673050 (Rs six lacs seventy three thousand fifty only) as first instalment, Rs. 326550 (Rs Three Lacs twenty six Thousand five hundred fifty only) as second instalment of the contract value Rs. 9.996 Lakhs (Rs Nine Lakh Ninety nine Thousand six hundred only) as advance payment granted to us in accordance with said contract against any loss or damage caused to or suffered by you by reason for a breach or breaches on our part, of any of the terms and conditions contained in the said contract and in the event we shall make any default or defaults in carrying our any of the work under the said contract, we shall forthwith on demand pay to you such sum of 9.996 Lakhs (Rs Rs Nine Lakh Ninety nine Thousand six hundred only) as may be claimed by you



Assistant Registrar  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)

Contd.....



2673050

CONTINGENT BILL

Amount of bill - Rs. 673050  
 Amount of bill - Rs. 673050  
 Amount for which bills have been submitted for payments  
 Balance of statement excluding the amount of bill Rs. 326550

Expenditure on account of purchase of stores incurred by the Principal Investigator, Jaypee University of Information Technology, Wanknaghat, Solan -173234 during the year 2010-11

- (a) Authority: DRDC/DBFA/FA/83226/M/01/2031/D/R&D dated 30 July 2010.
- (b) Month's account in which last charge on this account was preferred.

Date	Details of Expenditure	Qty	Amount in Lakhs
1	Ph.D student		180000
2	Expendables (Chemicals, contingencies and cost of analysis)	-	450000
3	Non recurring	-	0.00
4	Others (TA/DA and Miscellaneous)	-	5000
5	Contingency		6000
5	Overhead @ 5%	-	32050
Total (Rupees eight lakhs ninety one thousand only)			673050

Necessary copy of assignment, CARS and Bank guarantee duly signed by the Institute is also enclosed herewith.

The cheque may please be issued direct to the Registrar, Jaypee University of Information Technology, Wanknaghat, Solan, HP, 173 234 under intimation to the Principal Investigator.

- (a) Certified that the above charges have been new essentially incurred in the interest of the state, that the rate. that the rates charged are the lowest obtainable and that all receipt for of Rs. 25 and under, except as regards payment made in the MES to contractors on running accounts have been so destroyed, defaced or mutilated that they cannot be used again, are that I have personally checked the progressive total in the bill with the contingent registers and found it to agreed
- (b) Certified that telegram was sent on state service and that cash payment was unavoidable
- (c) Certified that the payment of subsistence allowance was in the interests of service and the rejected recruits for whom the allowance has been claimed were rejected either medically or by enrolling officers.

COUNTERSIGNED

RECEIVED PAYMENT

Station: Solan

Date: 18 Feb 2015

REGISTRAR,  
 Jaypee University of Information Technology  
 Wanknaghat, Distt. Solan (H.P.)


Assistant Registrar  
 Jaypee University of Information Technology  
 Wanknaghat, Distt. Solan (H.P.)







Advance Contingent Bill

S.No.	Item	Amount (in Rs.)
1.	Ph.D student	180000
1	Expendables (Chemicals, contingencies and cost of analysis)	450000
2	Non recurring (Hardware: Servers Software: Oracle Package)	0
3	Others (TA/DA and Miscellaneous)	5000
4	Contingency	6000
5	Overhead @ 5%	32050
	<b>TOTAL</b>	<b>673050</b>

  
REGISTRAR,  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Tele : 01982 252096  
Fax : 01982 252096  
Army : 2475  
E-mail : dihardrdo@gmail.com



Bharat Sarkar  
Raksha Mantralaya  
Anusandhan Tatha Vikas Sangthan  
Defence Institute of High Altitude  
Research  
PIN - 901205  
C/o 56 APO

DIHAR/01/CARS/2015

30 Jan, 2015

Director  
Jaypee University of Information Technology  
Waknaghat, PO: Waknaghat  
Solan-173215  
Himachal Pradesh

31503

**Sub: Sanction of CARS**

Dear Sir,

1. Refer your project proposal for financial assistance under Contract for Acquisition of Research Services (CARS) submitted by Dr. Anil Kant.
2. The competent authority has sanctioned the CARS entitled 'Transcriptome analysis of seabuckthorn male and female buds (DIHAR/01/CARS/2015). The cost of the CARS is Rs 9.996 Lakh and PDC is 26 Jan 2017 (sanction letter attached).
3. If you need any clarification, kindly contact us.

Yours sincerely,

(Dr Tsering Stobdan)  
OIC Tech Coord  
For Director

**Copy to:**

Dr. Anil Kant  
Biotechnology Department  
Jaypee University of Information Technology  
Waknaghat, PO: Waknaghat  
Solan-173215  
Himachal Pradesh

Acct

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





**Department of Environment, Science & Technology**

Paryavaran Bhawan, Near US Club, Shimla-171001

From: - **Director (Env. S&T) to the**  
Government of Himachal Pradesh, Shimla-1.

To

**Dr. Ashok Kumar,**  
Assistant Professor,  
Deptt. of Biotechnology and Bioinformatics,  
Jaypee University of Information Technology,  
Waknaghat, Distt. Solan- 173234, H.P.

Dated: Shimla-1. the 20<sup>th</sup> October, 2021.

**Subject: Research & Development Projects 2020-21 - PAEC Meeting reg.**

**Sir,**

This is in reference to your proposal for sanctioning of R&D Projects submitted to this office. Your proposal was placed before the PAEC on 22.09.2021 at the Department of Environment, Science & Technology, Shimla, Himachal Pradesh regarding the H.P. Specific Research and Development Projects. In this regard, we are pleased to inform that your project entitled **"Extraction of keratin from poultry waste biomass of and its application in the production of value added products"** has also been considered for sanction with a total budget outlay of Rs. **7,60,000** /- by the competent authority with certain additional conditions which have been specified in the minutes of meeting. The minutes of meeting are enclosed herewith for you kind information.

You are requested to submit a Stamp Paper of Rs. 100/- (Rs. One Hundred Only) with 5-6 extra non-judicial paper for signing the agreement between your institution/ university and the Department of Environment, Science & Technology, Shimla. The agreement would be required to be signed by PI, Co-PI and Head of your institution/ University and submit to this office for further necessary action please.

Yours sincerely,

(Sudesh Kumar Mokhta, IAS)

**Director**

Department of Environment, S&T  
Himachal Pradesh, Shimla-171001  
Ph. No. 0177-2656559,(dbt-hp@nic.in)

**Encl:** As above.

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





**NO. SR/FT/LS-117/2012**  
**SCIENCE & ENGINEERING RESEARCH BOARD**

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

**ORDER**

Subject: Financial Sanction of the research project titled "Identification of macrophage invasion protein(s) of atypical mycobacteria *M. fortuitum* as potential drug target and inhibitors thereof" under the guidance of Dr. Rahul Shrivastava, Dept. of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wakanagar, Solan-173234, Himachal Pradesh.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 16,45,000/- (Rs. Sixteen Lakh Forty Five Thousand Only) with break-up of Rs. 4,50,000/- under Capital head and Rs. 11,95,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 16,45,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
A	<b>Non-recurring (Capital Items)</b>	
1	Equipment CO <sub>2</sub> incubator	4,50,000
A'	Total (Capital)	4,50,000
B	<b>Recurring Items (General)</b>	
1	General - A (Consumables, Travel, Contingencies, Analytical/Biological Analysis Charges)	9,45,000
2	General - B (Overhead Charges)	2,50,000
B'	Total (General)	11,95,000
C	Total cost of the project (A' + B')	16,45,000

2. Sanction of the SERB is also accorded to the payment of Rs. 4,50,000/- (Rs. Four Lakh Fifty Thousand Only) under 'Grants for creation of Capital assets' and Rs. 50,000/- (Rs. Fifty Thousand Only) under 'Grants-in-aid -General' to the REGISTRAR, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN being the grant for the year 2012-13 for implementation of the said research project.

3. The expenditure involved is debitable to  
Grant-in-aid for the year 2012-13 (Plan Expenditure- Capital) - Rs. 4,50,000/-  
&  
Grant-in-aid for the year 2012-13 (Plan Expenditure- General) - Rs. 50,000/-

This release is made under OYS Scheme.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/5176/2012-13 dated 18.12.2012.

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

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

  
Assistant Registrar (Academics)  
Jaypee University of Information Techno  
Wakanaghat, Distt. Solan (H.P.)



Contd...2/-



7. While providing operational flexibility among various subheads under head General-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
8. The total release amount of **Rs. 5,00,000/- (Rs.Five Lakh Only)** will be drawn by the Drawing & Disbursing Officer of the SERB and will be disbursed by means of cheque/DD favoring **"REGISTRAR, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN"** and will be sent to Registrar, Jaypee University of Information Technology, Wakanaghat, Solan-173234, Himachal Pradesh.
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 institute will furnish to the SERB, New Delhi, Utilization certificate 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 project. It is found expedient to keep a part or whole of grant in a separate bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.
12. The sanctioned equipments would be procured as per GFR and its disposal would be done with prior approval of SERB.
13. The project File no. **SR/FT/LS-117/2012** may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.
14. As this is the first grant being released for the project, no previous U/C is required.

*Jacob V.V.*  
(Jacob V.V.)  
Scientist-D

**Copy forwarded for information and necessary action to:-**

1	The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002
2	Copy with two spare copies of the sanction to the Drawing and Disbursing Officer, SERB, New Delhi
3	Pay Accounts Officer, SERB, New Delhi
4	Sanction Folder, SERB, New Delhi.
5	File Copy
6	Dr. Rahul Shrivastava Dept. of Biotechnology and Bioinformatics Jaypee University of Information Technology, Wakanaghat Solan-173234, Himachal Pradesh  (Start date of the project may be intimated by name to the undersigned.)
7	Registrar, Jaypee University of Information Technology, Wakanaghat, Solan-173234, Himachal Pradesh  (Receipt of Cheque/DD may be intimated by name to the undersigned.)

*Bilal*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wakanaghat, Distt. Solan (H.P.)



*Jacob V.V.*  
(Jacob V.V.)  
Scientist-D



# Science & Engineering Research Board (SERB)

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

To

REGISTRAR

JAYPEE UNIVERSITY OF INFORMATION  
TECHNOLOGY,  
WAKNAGHAT,  
SOLAN - 173234  
HIMACHAL PRADESH

Subject: Forwarding of DD/Cheque – Reg.

Sir,

I am directed to refer to SERB sanction order no. SR/FT/LS-117/2012 dated 18/12/2012 on the subject cited above, and to forward herewith Cheque/Demand Draft no. 059398 dated 26/12/2012 for Rs 500000/- (RUPEES FIVE LAKH ONLY) through Bill no. GIA/4927 dated 20/12/2012.

2. A stamped receipt for above instrument and Utilization/Expenditure Statements etc. should be sent directly to the Sanctioning Authority by name as mentioned in the attached sanction order.

Yours faithfully,

Drawing & Disbursing Officer

This is computer generated communication and it does not required signature.

Discrepancies if any, may be communicated to Drawing & Disbursing Officer, SERB, 5 & 5A, Lower Ground Floor, Vasant Square Mall, Plot No.-A, Community Centre, Sector-5, Pocket-5, Vasant Kunj, New Delhi - 110070

*Deposit & send receipt*

*B. R. Sharma* 12/11  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





031496

Terms and conditions of ISRO Research Grants

1. The approved funds should be utilised solely for the purposes for which they have been granted unless ISRO agrees otherwise. A certification that the funds have been so used should be produced by the grantee institution after the end of each year of the support.
2. Due acknowledgement to ISRO should be made in all reports and publications arising out of the part of the work supported by ISRO. The grantee will take prior permission of ISRO before publishing any work based on the ISRO supported project.
3. Two copies of all the publications resulting from the research conducted with the aid of the grant should be submitted to ISRO.
4. No investigator receiving a grant from ISRO may make commercial use of the results of his work by patent or otherwise. ISRO reserves the exclusive right to determine whether any patent shall be taken out and what commercial use, if any, shall be made of any result of the investigations. The patents shall be in the name of ISRO and ISRO shall retain exclusive rights to commercially exploit them. The shares, if any, of the royalty to the investigator, the parent institution and ISRO, will be determined by ISRO.
5. The Principal Investigator is required to submit two copies of yearly reports indicating the progress of the work accomplished. He is also required to submit two copies of a detailed technical report on the results of the research/development after the completion of the project. The reports will become the property of ISRO.
6. In addition, ISRO may designate scientists/specialists to visit the institution periodically, for reviewing the progress of the work.
7. An inventory of items purchased from ISRO funds should be sent to ISRO, giving the description of equipment, cost in rupees, date of purchase and name of the supplier along with a purchase certificate from the Administration of the Institution. All items of equipment and unconsumable items costing more than Rs.5,000/- shall remain the property of ISRO and ISRO reserves the right to transfer them or dispose of them on the termination of the project as ISRO may deem fit.
8. The accounts of the expenses incurred out of ISRO funds should be properly maintained and should be authenticated by an approved auditor. The final accounts statement in duplicate duly audited should be sent to the Pay & Accounts Officer, DOS/Senior Accounts Officer, ISRO Headquarters, as the case may be, at the end of each financial year of support.
9. If the total amount sanctioned is not spent during the period of support, the remainder amount should be surrendered to the Pay & Accounts Officer, DOS/Senior Accounts Officer, ISRO Headquarters, as the case may be, within one month after the completion of the project.
10. The assets acquired wholly or substantially out of the ISRO grant should not, without its prior sanction, be disposed off, encumbered or utilised for purposes other than that for which the grant is sanctioned.
11. A register of Assets, permanent and semi-permanent, should be maintained by the grantee institution, which should be available for scrutiny by Audit.
12. The grantee institution should not divert the grants-in-aid for utilisation of the same for similar objects of another institution if it is not in a position to execute or complete the assignment. The entire amount of the grant should then be immediately refunded to ISRO by the institution.
13. The terms and conditions of ISRO research grants are subject to change from time to time, but the funding of any project will be governed by the terms and conditions existing on the date of starting of the project with ISRO funds.

\*\*\*\*\*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





No.B.19012/17/2015-II  
Government of India  
Department of Space  
\*\*\*

(2-3)

Antariksh Bhavan  
New BEL Road  
Bengaluru - 560 231

April 28, 2015

→ The Registrar,  
Jaypee University of Information Technology,  
Waknaghat District,  
Solan -173 215,  
Himachal Pradesh.

Sir,.

Sub: Grant-in-aid - RESPOND - Release of grant for the new project entitled "Mathematical Modeling of Spectrum Sharing Techniques in Cognitive Radio Network" - reg.

\*\*\*

I am directed to refer to Deputy Director, RESPOND, ISRO Hq letter No. ISRO/RES/4/619/14-15 dated 18.03.2015 on the above mentioned subject, and to convey the sanction of the President to a grant of ₹.6,40,000/- (Rupees Six lakhs forty thousand only) to meet the expenditure towards the new project entitled "**Mathematical Modeling of Spectrum Sharing Techniques in Cognitive Radio Network**" during the first year of the project.

2. The amount of ₹.6,40,000/- (Rupees Six lakhs forty thousand only) will be paid to you by the Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru - 560 231 on receipt of the bill.
3. The grant-in-aid sanctioned shall be subject to the terms and conditions mentioned in the Annexure enclosed.
4. A separate account for the grant-in-aid sanctioned will have to be maintained which are subject to the scrutiny by the Indian Audit and Accounts Department who will also have the right of access to the Book of Accounts.
5. Accounts of expenses incurred out of grant should be prepared, maintained and authenticated by approved auditors. The final accounts statement in duplicate duly audited should be sent to the Pay & Accounts Officer, Department of Space, Bengaluru-560 231 at the end of each financial year of support.

...2/-

  
Assistant Registrar (Academic)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





4

Sl. No	Item of Expenditure	I Yr	II Yr	Total
1	Manpower:1 JRF* @25,000 pm + 10% HRA for 1 <sup>st</sup> & 2 <sup>nd</sup> Yr	3.30	3.30	6.60
2	Equipment (Workstation)	1.00	-	1.00
3	Consumables and Supplies	0.50	0.80	1.30
4	Travel	0.60	0.60	1.20
	<b>Sub Total</b>	<b>5.40</b>	<b>4.70</b>	<b>10.10</b>
5	Institute Overheads (as sought by PI)	1.00	Nii	1.00
	<b>Total</b>	<b>6.40</b>	<b>4.70</b>	<b>11.10</b>



*Signature*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



031510



**State Council for Science, Technology & Environment (SCSTE), H.P.**

B-34, SDA Complex, Kasumpti, Shimla - 171009

Phone: 0177-2620998, 2621992 Fax: 0177-2620998

Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I 5587

Dated: - 19/10/2016

**SANCTION ORDER**

**Subject:** Financial Sanction of the research project titled "Microbial interventions for generating renewable bio-energy in H.P. using pine needle forest litter"-Reg.

**Principal Investigator (PI):**

Dr. Gunjan Goel  
Jaypee University  
Waknaghat, Shimla

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of Rs.5,80,000/- (Rupees five lakh & eighty thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs.5,80,000/- has been approved for a period of two years, are given below:

S.No.	Head	Total (in Rs.)
1.	Remuneration (Rs.) Project Associate - 1 No. @Rs.15000/- PM	3,60,000/-
2.	Consumables	2,00,000/-
3.	Travel	10,000/-
4.	Other Costs	10,000/-
Total Cost		5,80,000/-

**NOTE:**

- (a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the SCSTE within 15 days from today positively.

Assistant Registrar  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





- (b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2016-17' and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

### Terms & Conditions of the Grant

1. The expenditure involved is debitable to  
**Fund for 'HP Specific Research & Development Projects 2016-17'**  
**This release is being made under the specific category:**
  - (a) General Plan Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-I ~~5587~~ dated 19/10/16 for a total cost of Rs. 5,80,000/-.
3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website ([www.hpscste.gov.in](http://www.hpscste.gov.in)) and also stated in this Sanction Order.
4. The amount of Rs.5,80,000/- will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.

Assistant R.   
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla , Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 30<sup>th</sup> October,2017 and for 2<sup>nd</sup> instalment before 30<sup>th</sup> October 2018.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla . The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc. ) under this project besides mentioning the grants received by SCSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.

Assistant Registrar  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)

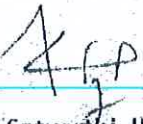




19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. In advance. In addition, the SCSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.
22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



  
Kunal Satyarthi, IFS  
Joint Member Secretary  
SCSTE, Shimla



Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) SCSTE, Shimla.
4. Accounts Sanction, SCSTE.
5. R&D Section.

*KSP*  
*7/18/10/16*  
Kunal Satyarthi, IFS  
Joint Member Secretary  
SCSTE, Shimla

*[Signature]*  
Assistant Registrar  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





FILE NO. EMR/2016/006287  
**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: 11-Oct-2017

**ORDER**

Subject. Financial Sanction of the research project titled "**Hydrogen storage using 2D chalcogenide and graphene layered materials**" under the guidance of Dr. Surajit Kumar Hazra, PHYSICS & MATERIALS SCIENCE, Jaypee University of Information Technology, Juit-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal Pradesh-173234 and by Dr. Partha Bir Barman, Professor & Head, PHYSICS & MATERIALS SCIENCE, Jaypee University 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. 3222560/- (Rs. Thirty Two Lakh Twenty Two Thousand Five Hundred and Sixty Only) with break-up of Rs. 1000000/- under Capital (Non-recurring) head and Rs. 2222560/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3222560/- has been approved are given below:

The following budget may be considered for Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Eurotherm Programmable Controller -> Storage chamber-gauge -> MFC-Series 946 Vacuum System Controller -> Storage chamber-Gas regulator -> Storage chamber-PUMP-1 -> Eurotherm 1 Phase SSR -> Storage Chamber Body -> GE50A Elastomer Sealed, MKS Digital Mass Flow Controller -> Storage chamber-electrical accessories -> GE50A Elastomer Sealed, MKS Digital Mass Flow Controller -> Storage chamber-Needle valves -> Storage chamber-additional mixing chamber -> Storage chamber-local heater -> Horizontal tube furnace temp. range ambient to 1450 degree -> Storage chamber-Stop valves -> Cable to Connect GE50A MFC to 946 Vacuum system Controller:	1000000
A'	<b>Total (Non-Recurring)</b>	<b>1000000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	1929600
2	Recurring - B : (Overhead Charges)	292960
B'	<b>Total (Recurring)</b>	<b>2222560</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>3222560</b>

- Sanction of the SERB is also accorded to the payment of
  - Rs. 1000000/- (Rupees Ten Lakh only) under 'Grants for creation of capital assets' and Rs. 300000/- (Rupees Three Lakh only) under 'Grants-in-aid General' to Vice Chancellor, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan with the approval of the competent authority under delegated powers on 04 October, 2017 and vide Diary No. SERB/F/6624/2017-2018 dated 09 October, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.





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

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

10. The release amount of Rs. 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:

Account Name	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
Account Number	0427032100000010
Bank Name & Branch	PUNJAB NATIONAL BANK WAKNAGHAT and P.O. WAKNAGHAT, TEH.: KANDAGHAT, DISTT. SOLAN, HIMACHAL PRADESH-173234
IFSC/RTGS Code	PUNB0637100
Email id of A/C Holder	registrar@juit.ac.in
Email id of PI	surajithazra@yahoo.co.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

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

13. The project File no. EMR/2016/006287 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

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

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

17. 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.

18. 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.

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)

MS  
nilotpal@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. Surajit Kumar Hazra PHYSICS &amp; MATERIALS SCIENCE Jaypee University of Information Technology, Juit-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal pradesh-173234 Email: surajithazra@yahoo.co.in Mobile: 918894818236</p> <p>Dr. Partha Bir Barman PHYSICS &amp; MATERIALS SCIENCE Jaypee University Of Information Technology (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>

*S. B. Barman*  
Assistant Registrar (Accounts)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





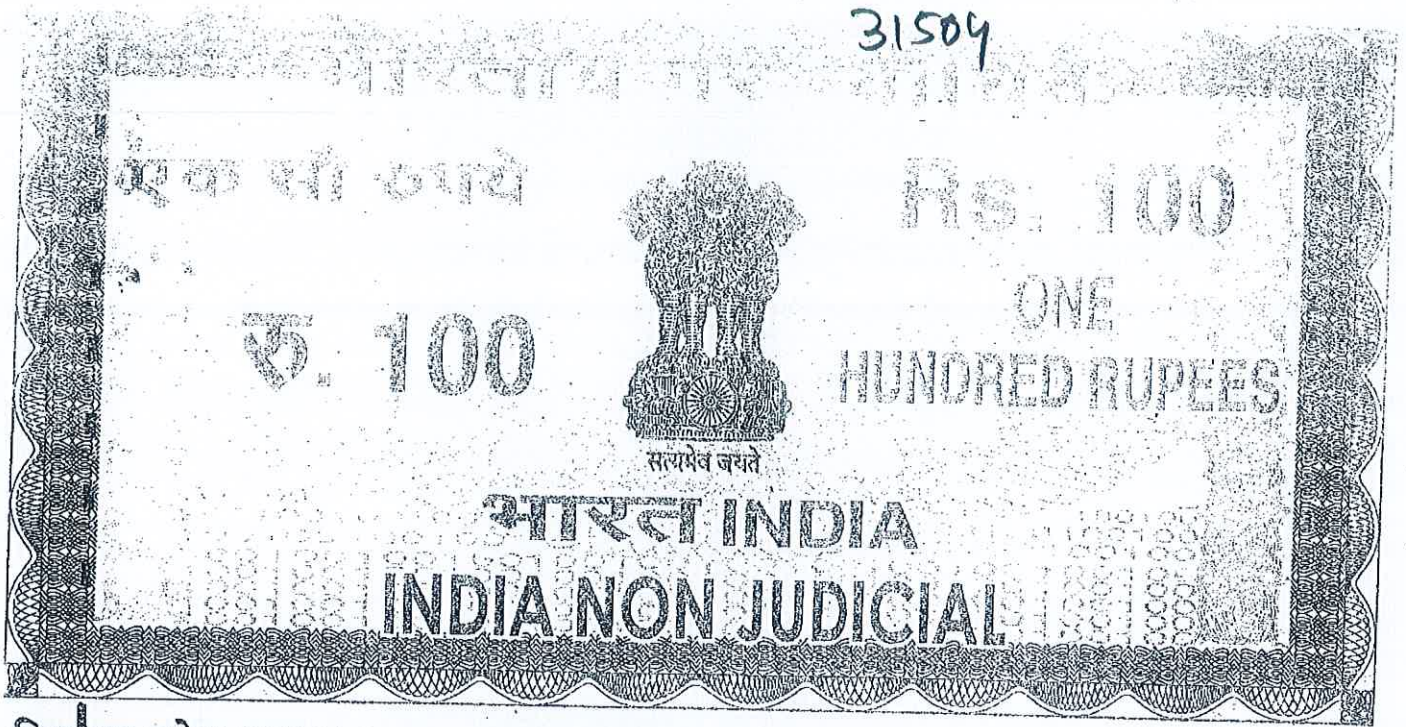
5.	Vice Chancellor, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan  (Receipt of Grant may be intimated by name to the undersigned)
----	---

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

*Dr. B. S. Mehta*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



31504



हिमाचल प्रदेश HIMACHAL PRADESH

864070

**INDEMNITY BOND IN LIEU OF BANK GUARANTEE FOR ADVANCE PAYMENT**

To  
The President of India  
Through Director DIHAR  
C/o 56 APO, Pin: 901 205

Whereas We, Jaypee University of Information Technology, Waknaghat, Solan, HP, 173234 have entered into a contract with you in accordance with the terms and conditions of the agreement no. 118/6/JUIT-15/DIHAR dated Feb. 13, 2015 (herein after referred to as "the said Contract").

Whereas under the said contract you have agreed to make certain advance payment to us on our furnishing an Indemnity Bond.

We, Jaypee University of Information Technology, Waknaghat, Solan, HP, 173234 hereby undertake as follows:

In consideration of your agreeing to pay the advance payment in accordance with the said contract on our furnishing Indemnity Bond, we hereby undertake to indemnify you keep you indemnified from time to time to the extent of Rs. 4,80,000 (Rs four lakh and eighty thousands only) as first installment, Rs. 4,80,000 (Rs Rs four lakh and eighty thousands only) as second installment of the contract value Rs. 9.80 Lakhs (Rs Nine lakh and eighty thousand only) as advance payment granted to us in accordance with said contract against any loss or damage caused to or

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Contd.....



suffered by you by reason for a breach or breaches on our part, of any of the terms and conditions contained in the said contract and in the event we shall make any default or defaults in carrying out any of the work under the said contract, we shall forthwith on demand pay to you such sum of 9.80 Lakhs (Rs Nine lakh and eighty thousand only) as may be claimed by you as your losses and damages, cost, charges or expenses by reason of such default or defaults on your part.

2. Notwithstanding any thing to the contrary in these presents or in the said contract your decision as to whether we have made any default or defaults or committed any breach of the contract or the amount or amounts to which you are entitled by reasons thereof will be binding on us for the purpose of this indemnity and we will pay the same on demand without demur. This will be without prejudice to our rights under the contract and /or this indemnity.

3. This indemnity shall be continue and hold good until the receipt of project closure report duly audit expenditure certificate progressively reduced and finally on completion of project, automatically cease to continue and the same shall be released to us.

4. You shall have the fullest liberty from time to time to enforce or forebear to enforce any of the terms and conditions of the said contract and we shall not be released from our liability under this indemnity by the exercise of your liberty with reference to the matter aforesaid or by reason of any time being given to us or any forbearer act of omission on your part or any indulgence by you to us or by any variations or modifications of the said contract or any other act, matter or thing whatsoever on your part.

5. This Indemnity Bond and the powers and provisions herein contained are in addition to and not any way of limitation or substitute for any other guarantees, indemnities hereto before given to you by us and this indemnity does revoke or limit such indemnities or guarantees.

Yours faithfully



Dr Hemant Sood  
Assistant Prof., JUIT, Solan  
Principal Investigator

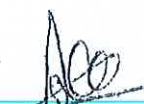
Witness

Countersigned



13/4/15

(Dr. P. S. Chohan)



REGISTRAR, JUIT  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)



Contd.....







Advance Contingent Bill

S.No.	Item	Amount (in Rs.)
1	Expendables (Chemicals, contingencies and cost of analysis)	4,00,000
2	Non recurring (Hardware: Servers Software: Oracle Package)	0
3	Others (TA/DA and Miscellaneous)	50,000
4	Contingency	30,000
	<b>TOTAL</b>	<b>4,80,00</b>




COUNTERSIGNED

RECEIVED PAYMENT

Station: Solan

Date: April 13, 2015

  
REGISTRAR,  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







118/6/JUIT-15 /DIHAR

13 Feb 2015

Director  
Japee University of Information Technology  
Waknaghat, Solan 173215  
HP

**SANCTION OF CARS ENTITLED "MOLECULAR DISSECTION OF BIOSYNTHESIS OF PHARMACOLOGICALLY IMPORTANT PHENOL GLYCOSIDES IN A HIGH VALUE MEDICINAL PLANT (RHODIOLA IMBRICATA) FROM TRANS - HIMALAYAN REGION OF LADAKH"**

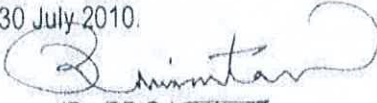
1. Sanction is hereby accorded for undertaking the following CARS within the estimated cost indicated below:-

Title of the CARS & No	Sanction cost (Rs in Lakh)	PDC
"MOLECULAR DISSECTION OF BIOSYNTHESIS OF PHARMACOLOGICALLY IMPORTANT PHENOL GLYCOSIDES IN A HIGH VALUE MEDICINAL PLANT (RHODIOLA IMBRICATA) FROM TRANS - HIMALAYAN REGION OF LADAKH" (DIHAR/14/CARS /2015)	9.80 Lakh	24 Months

2. Normal purchase and accounting procedure will be followed.
3. Based on this sanction budget provision of funds for actual expenditure will be made through periodical Budget Estimates under the relevant heads of accounts and expenditure will be debited to Major Head 2080 and Minor Head 110 of Defence Services Research and Development.
4. Dr. O P Chaurasia, Scientist of DIHAR will be coordinator of the project.
5. The Principal Investigator (PI) will submit financial closure report of the CARS after PDC.
6. The PI will submit the Audited Detailed Statement of Expenditure, Utilization Certificate and Closure Report.
7. IPR issues viz Patent / Publication will be shared jointly with prior approval.

Auth: No. DRDO/ DBFA/FA/83226/M/01/2031/D(R&D)dated 30 July 2010.

Encls : As above

  
(Dr. RB Srivastava)  
OS & Director

**Copy to :**

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


for info and necessary action, please.

Director (PM)  
O/o Director General (Life Sciences)  
DRDO Bhawan, Rajaji Marg  
New Delhi -110011

for info and necessary action, please.

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

for info and necessary action, please.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Tele : 01982 252096  
Fax : 01982 252096  
Army : 2475  
E-mail : dihardrdo@gmail.com



Bharat Sarkar  
Raksha Mantralaya  
Anusandhan Tatha Vikas Sangthan  
Defence Institute of High Altitude  
Research  
PIN - 901205  
C/o 56 APO

DIHAR/14/CARS/2015

27 Feb, 2015

Director  
Jaypee University of Information Technology  
Waknaghat, Solan-173 215  
Himachal Pradesh

**Sub: Sanction of CARS**

Sir,

1. Refer your project proposal for financial assistance under Contract for Acquisition of Research Services (CARS) submitted by Dr. Hemant Sood.
2. The competent authority has sanctioned the CARS entitled 'Molecular dissection of biosynthesis of pharmacologically important phenol glycosides in a high value medicinal plant (*Rhodiola imbricate*) from trans-Himalayan region of Ladakh (DIHAR/14/CARS/2015)'. The cost of the CARS is Rs 9.8 Lakh and PDC is 12 Feb 2017 (sanction letter attached).
3. If you need any clarification, kindly contact us.

Yours sincerely,

(Dr. Tsering Stobdan)  
OIC Tech Coord  
For Director

**Copy to:**

- ✓ Dr. Hemant Sood  
Biotechnology Department  
Jaypee University of Information Technology  
Waknaghat, Solan-173 215  
Himachal Pradesh

Assistant Engineer (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)





031501

No. SP/YO/017/2015  
Government of India  
Department of Science and Technology  
SEED Division

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110 016.

July 24, 2015

ORDER

**Sub:** Financial assistance for the project titled "Socio Economic upliftment of high altitude farmers of Himachal Pradesh through transfer of micro-propagation technologies for high value medicinal herbs", under the guidance of Dr Hemant Sood, Jaypee University of Information Technology, Wahnaghat, H.P.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **Rs.14,16,800/- (Rupees Fourteen Lakh Sixteen Thousand and Eight Hundred Only)** for a period of three years. The detailed break-up of the grant for General and Capital components are given below:

**BUDGET BREAK UP**

General Component: **Rs.14,16,800/-**  
Capital Assets: **Nil**  
Total: **Rs.14,16,800/-**

2. The items of expenditure for which total allocation of **Rs 14,16,800/-** has been approved are given below:

	Budget Head	1 <sup>st</sup> year (in Rs)	2 <sup>nd</sup> year (in Rs)	3rd Year (in Rs)	Total (in Rs)
<b>MAN POWER</b>					
1.	Project Assistant @Rs 8000/-pm	96,000	96,000	96,000	2,88,000
<b>CONSUMABLES</b>					
1.	Tissue culture media and glasswares, HPLC reagents etc	2,50,000	2,50,000/-	50,000/-	5,50,000
<b>TRAVEL</b>					
1.	Travel to farmers site and DST Review meeting	40,000	55,000	55,000	1,50,000
<b>FIELD TESTING/DEMONSTRATION</b>					
1	Training and transfer of tissue culture plants-	1,00,000	1,00,000	1,00,000	3,00,000
<b>SUBTOTAL</b>		<b>4,86,000/-</b>	<b>5,01,000</b>	<b>3,01,000</b>	<b>12,88,000</b>
<b>CONTINGENCY</b>					
1.	Contingencies	14,580	15,030	9,030	38,640
<b>OVERHEADS</b>					
1	Overheads	34,020	35,070	21,070	90,160
<b>TOTAL</b>		<b>5,34,600/-</b>	<b>5,51,100/-</b>	<b>3,31,100/-</b>	<b>14,16,800</b>

3. Sanction of the president is also accorded to release of **Rs.5,00,000/- (Rupees Five Lakh Only)** to The Registrar, Jaypee University of Information Technology, Wahnaghat, H.P. being the first installment of grant towards the "General Component" for implementation of the said project during 2015-16.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Dist. Solan (H.P.)



4. This is being a new project to this organization; there is no question of getting UCs/SEs for the earlier grant of the aforesaid project proposal.
5. The expenditure involved will be debit to Demand No.86
- |                 |   |   |
|-----------------|---|---|
| Major Head 3425 | - | Other Scientific Research                                     |
| 60              | - | Others  |
| 60.200          | - | Assistance to Other Scientific Bodies                         |
| 08              | - | Grant-in-aid for S&T Programme for Socio-Economic Development |
| 08.11           | - | Science and Society Programme                                 |
| 08.11.31        | - | Grant-in-aid General for the year 2015-2016 (Plan)            |

6. The amount of **Rs.5,00,000/- (Rupees Five Lakh Only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to The Registrar, Jaypee University of Information Technology, Wagnaghat, H.P. being through their bank account details given below:

Institute Name	Jaypee University of Information Technology
Saving Bank Account Number	0427032100000010
Name of Bank	Punjab National Bank
Branch	JUIT Branch, Wagnaghat-173234H.P.
RTGS/IFS Code	PUNB0637100
MICR Code	171024077

7. Sanction of grant will be subject to the condition as detailed in Annexure and also specifically on the following conditions:
- "All boards, banners, manuals, reports etc. will prominently display "Catalyzed & Supported by SEED Division, Department of Science & Technology, New Delhi".
  - SEED division will monitor the progress of the project vis-à-vis the deliverables and significant outcomes based on the objectives of the project from time to time.
8. The accounts of the grantee institution will be open to inspection by the Sanctioning Authority/Audit whenever the institute is called upon to do so.
9. The institute will furnish to the DST, Utilization Certificate and an audited Statement of Accounts pertaining to the grant immediately after the work is over.
10. The Institute will maintain separate audited accounts for the project and would keep whole of the grant in a bank account earning interest. The interest earned should be reported to the DST. The interest thus earned will be treated as a credit to the institute/agency to be adjusted towards further installment of the grant.
11. The grant sanctioned/ released is for the specific project sanctioned and portion of the grant, which the grantee fails to utilize for the purpose for which the grant is sanctioned will be recovered along with the penal interest of 10% per annum.
12. In the event of the grantee failing to comply with the conditions or committing breach of the conditions of the bond, the authorized signatories to the bond and all the members of the Executive Committee shall be jointly and severally liable to refund to the President of India, the whole or a part of the grant with interest at 10% per annum thereon or the sum specified in the bond.
13. The release of the grant is subject to proper implementation of the project and monitoring as per GFR guidelines.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)





14. The release of grant is in accordance with the OM No.7(1) E.Coord/2012 dated 14<sup>th</sup> November, 2012 issued by Ministry of Finance, Department of Expenditure and as declared by the Organization/Principal Investigator.
15. As per Rule 212 (4) in Form 39 of GFR, this sanction has been entered in the register maintained by the SEED Division (Science and Society Programme) for the Grants-in-aid sanctions and a serial number assigned in the register for this sanction is 185.
16. This issues with the concurrence of IFD vide their Concurrence Diary No. C/2158/IFD/2015-16/ July 23, 2015.

(DR. RASHMI SHARMA)  
SCIENTIST 'D'

To

The Pay and Accounts Officer  
Department of Science and Technology  
New Delhi.

**Copy for information and necessary order to:**

1. Cash Section (3 copies) for making the payment to the grantee.
2. Account Section.
3. Director of Audit, (Scientific Deptt), AGCR Building, New Delhi – 110 002.
4. Sanction Folder
5. Head (SEED)
6. Dr Hemant Sood, Jaypee University of Information Technology, Wagnaghat, H.P
7. The Registrar, Jaypee University of Information Technology, Wagnaghat, H.P.

(DR. RASHMI SHARMA)  
SCIENTIST 'D'



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)







031499

BUDGET STATEMENT  
2014-2015

Subject:-Research scheme entitled "Synthesis of novel poly-N substituted glycines (Peptoids) based on cell selective antimicrobial peptides for gram negative and gram positive bacterial infections" under Dr. Gopal Singh Bisht, Sr. Lecturer, Deptt. Of Pharmacy, Jaypee University of Information Technology, Wahnaghat, Solan 173254

[1 .3.2015 to 29.2.2016]

STAFF

1.	JRF @ Rs. 16000/- p.m. Plus HRA Rs. 3200 p.m.	Rs. 2,30,400
2.	Contingencies	Rs. 4,00,000
3.	Over Head charges 5%	Rs. 31,520
	Total	Rs. 6,61,920

Total budget of Rs. 6,61,920/- [Rupees six lakh sixty one thousand nine hundred twenty only]

RFC No. BMS/Adhoc/10/2014-2015 dated 16.2.2015

F.No. 52/4/2013-BMS

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Distt. Solan (H.P.)





भारतीय आयुर्विज्ञान अनुसंधान परिषद  
INDIAN COUNCIL OF MEDICAL RESEARCH

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

No. BIC/12(33)/2012

031497

Dated: 19-03-2015

To

The Director,  
Jaypee University of Information Technology,  
Waknaghat, Solan - 173234.

Subject:- Sanction of budget allotment for the new Research proposal entitled "A Bioinformatics and experimental approach to investigate the interaction between acetylcholinesterase (AChE) and angiotensin-converting - enzyme(ACE) along with Alzheimer's disease associated proteins".

Sir,

The DG ,ICMR sanctions the above mentioned research scheme initially for the period of one year with effect from 1-03-2015 subject to extension up to the total duration specified in para 4 below:-

1. The DG, ICMR also sanctions the budget allotment of Rs. 9, 64,000/- (Rupees nine lakh sixty four thousand only) as detailed in the attached statement for the period from 1-03-2015 to 29-2-2016 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 installment 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 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.

The receipt of this letter may please be acknowledged.

Yours faithfully,

*T. Ramani*  
(T. Ramani)

Sr. Administrative Officer  
For Director General

1. Dr. Tiratha Raj Singh, Assistant Professor, Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat, Solan - 173234 alongwith a copy of budget statement for information.

2. Accounts. V for information.
3. Budget Section [Finance Section]
4. IRIS Cell No. 2012-2606

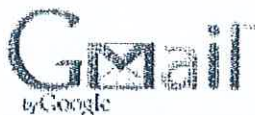
*Accts*  
*[Signature]*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Sr. Administrative Officer  
For Director General





Nutan Thakur &lt;nutanthakur11@gmail.com&gt;

**Fwd: SERB-Notification**

1 message

**Jitendraa Vashistt** <jvashist@gmail.com>  
To: Nutan Thakur <nutanthakur11@gmail.com>

Thu, Dec 17, 2015 at 2:09 PM

----- Forwarded message -----

From: <SERB\_Administrator@serbonline.in>  
Date: Mon, Dec 14, 2015 at 4:50 PM  
Subject: SERB-Notification  
To: "info@serbonline.in"@imsva02.cdacnoida.in

B.P.V.

FILE NO. YSS/2014/000548

**SCIENCE & ENGINEERING RESEARCH BOARD**

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

Dated: 02-Nov-2015

**ORDER**

Subject: Financial Sanction of the research project titled "**Identification of biofilm associated proteins of multidrug resistant Acinetobacter baumannii as potential drug target and inhibitors thereof**" under the guidance of Dr. JITENDRAA VASHISTT, Department of Biotechnology & Bioinformatics, Jaypee University of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan, HIMACHAL PRADESH, SOLAN-173234 - 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. 2330000/- (Rs. Twenty Three Lakh Thirty Thousand Only)** with break-up of **Rs. 400000/- under Capital (Non-recurring) head** and **Rs. 1930000/- under General (Recurring) head** for a duration of **three years**. The items of expenditure for which the total allocation of **Rs. 2330000/-** has been approved are given below:

The following budget may be considered for **Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan**

S. No	Head	Total (in Rs.)
A	Non-recurring	

<https://mail.google.com/mail/u/0/?ui=2&ik=51cdfb9255&view=pt&search=inbox&th=151af185e1d37ddd&siml=151af185e1d37ddd>

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



1	Equipment -> Autoclave -> Micropipettes set -> Laminar flow cabinete	400000
A'	Total (Non-Recurring)	400000
B	Recurring Items	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies) ↓ 800000 , 60000 , 50,000	1630000
2	Recurring - B : (Overhead Charges)	300000
B'	Total (Recurring)	1930000
C	Total cost of the project (A' + B')	2330000

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

- **Rs. 400000/-** (Rupees Four Lakh only) under 'Grants for creation of capital assets' and **Rs. 650000/-** (Rupees Six Lakh Fifty Thousand only) under 'Grants-in-aid General' to **Registrar, Jaypee University of Information Technology, Waknaghat, Solan, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan**

being the first installment of the grant for the year 2015-2016 for implementation of the said research project.

3. The expenditure involved is debitable to

**Fund for Science & Engineering Research (FSER)**

**This release is being made under Start Up Research Grant (Young Scientist). (Life Sciences)**

4. The Sanction has been issued to Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan with the approval of the competent authority under delegated powers on **14 October, 2015** and vide Diary No. **SERB/F/5162/2015-16** dated **24 October, 2015**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ( [www.serb.gov.in](http://www.serb.gov.in) ).



6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

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

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

10. The release amount of **Rs. 1050000/-** (Rupees Ten Lakh Fifty Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Registrar, Jaypee University of Information Technology, Wagnaghat, Solan
Account Number	0427032100000010
Bank Name & Branch	Punjab National Bank PNB, JUIT, Wagnaghat, Solan, Pin- 173234
IFSC/RTGS Code	PUNB0637100
Email id of A/C Holder	registrar@juit.ac.in
Email id of PI	jvashist@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

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

13. The project File no. YSS/2014/000548 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will

<https://mail.google.com/mail/u/0/?ui=2&ik=51cd1b9255&view=pt&search=inbox&th=151af185e1d37ddd&siml=151af185e1d37ddd>

Assistant Registrar (Accounts)  
Jaypee University of Information Technology  
Wagnaghat, Dist. Solan (H.P.)



have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

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

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

(Dr. Pramod Kumar Prasad)

Scientist C

pk.prasad@serb.gov.in

To,

Finance & Budget Officer

SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	<p><b>Dr. JITENDRAA VASHISTT</b>  <b>Department of Biotechnology &amp; Bioinformatics</b>  <b>Jaypee University of Information Technology , JUIT-Waknaghat Rd, Near Dumehar Bani,</b>  <b>Post Waknaghat, Solan, HIMACHAL PRADESH, SOLAN-173234</b>  <b>Email: jvashist@gmail.com</b>  <b>Mobile: 919999786001</b></p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p><b>Registrar, Jaypee University of Information Technology, Waknaghat, Solan,</b>  <b>Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani,</b>  <b>Post Waknaghat, Solan</b></p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>



Assistant Registrar (Academics)  
 Jaypee University of Information Technology  
 Waknaghat, Distt. Solan (H.P.)

(Dr. Pramod Kumar Prasad)

Scientist C





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\*\*\*\*\*

'SAVE PAPER - THINK BEFORE YOU PRINT!'  
Please do not reply to this mail

Jitendraa Vashistt

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



081521

No. Env. S&T (F)/R&D Project/2017/657  
**Department of Environment, Science & Technology**  
Paryavaran Bhawan, Near US Club, Shimla-171001

**From: - The Director -cum- Special Secretary (Env. S&T) to the Government of Himachal Pradesh, Shimla-1.**

**To**

✓ **Dr. Meenakshi Sood,**  
Assistant Professor (Senior Grade), Deptt. of ECE,  
Jaypee University of Information Technology, Wagnaghat,  
Solan, Himachal Pradesh, India.

Dated: Shimla-1. the <sup>14</sup>12 February, 2018.

**Subject: Research & Development Projects 2017-18 - PAEC Meeting reg.**

Madam,

This is in reference to the meeting held on 09.02.2018 at the Department of Environment, Science & Technology, Shimla, Himachal Pradesh regarding the H.P. specific research and development projects. In this regard, it is to inform that your project titled "Identification of diseases of tomato using image processing techniques for the farmers of Himachal Pradesh with feedback system using IOT and Android application" with a total budget outlay of Rs. 9,96,750/- has been approved by the Project Approval and Evaluation Committee (PAEC) with certain additional conditions which have been specified in the minutes of meeting. The minutes of meeting are also enclosed herewith for your kind perusal.

You are requested to go through the conditions specified in the minutes. If the conditions are accepted, you may appear in the office of the Director, Department of Environment, Science & Technology Paryavaran Bhawan, Near US Club, Shimla on dated: 27.02.2018 at 11:00 AM along with Rs. 100/- (Rs. One Hundred Only) Stamp Paper and three extra Judicial Paper for signing of MoU. It is requested that both PI and Co-PI may remain present during the MoU signing of the R&D project.

Yours sincerely,



**(D.C. Rana)**  
**Director**

Department of Environment, S&T  
Himachal Pradesh, Shimla-171001  
Phone No. 0177-2656559  
(dc.rana04@nic.in)

**Encl: As above.**

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)







**Government of Himachal Pradesh**  
**Department of Environment, Science & Technology**  
Paryavaran Bhawan, Near US Club, Shimla-1.

**Format for Submission of HP Specific Research & Development  
Projects 2017-18**

**1. Project Title:**

**“IDENTIFICATION OF COMMERCIAL CROP DISEASES USING IMAGE PROCESSING TECHNIQUES & ITS ENVIRONMENTAL EFFECTS FOR THE FARMERS OF HIMACHAL PRADESH WITH FEEDBACK SYSTEM USING IOT AND ANDROID APPLICATION”**

**2. Thematic Areas (Tick one of the following): 2.2**

- 2.1 Impact of Hydro-Power Projects on Environment in H.P. specifying minimum ecological flow of river streams.
- 2.2 Application of Science and Technology for the upliftment of rural population with special emphasis of rural women farmers/ population in H.P. [✓]
- 2.3 Solid Waste Management with special emphasis on disposal of polythene/ non-biodegradable waste management in H.P.
- 2.4 Impact of Environmental Pollution viz; Water, Air, Soil on Human Health and remedial measures.
- 2.5 Disaster Management especially w.r.t. earthquake resistant structures, landslides and flash floods in H.P.- Natural Hazards.
- 2.6 Climate Change and Health Impacts with special emphasis on adaptive measures in H.P.
- 2.7 Problems of Environmental Pollution in industrial areas of H.P.-remedial measures.
- 2.8 Livelihood promotion through biotechnology based enterprise in Rural Areas.
- 2.9 Development of crop varieties for disease resistance in Himachal Pradesh using biotechnology.
- 2.10 Strengthening of Institutional laboratories of academic institutions through calibration of equipments for accuracy in research.

**3. Duration in months**

**: 24 months**

**4. Total cost (in numbers and words)**

**: Rs 9,96,750/- (Rupees nine lacs  
Ninty six thousand seven  
hundred and fifty only)**

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)





### 13. Project Summary:

India is an agricultural country wherein about 70% of the population depends on agriculture. Farmers have wide range of diversity to select suitable Fruit and Vegetable crops. However, the cultivation of these crops for optimum yield and quality production can be improved by the aid of technological support. The management of crops requires close monitoring especially for the management of diseases that can affect production significantly and subsequently the post-harvest life. There are several diseases that affect plants with the potential to cause devastating economical, social and ecological losses.

**Use of ICT in agriculture is one of the leading areas of research worldwide. Recently, in India numbers of ICT applications for agriculture have proven tremendous growth.**


There are several ways to detect plant pathologies. Some diseases do not have any visible symptoms associated, or those appear only when it is too late to act. In this context, diagnosing diseases in an accurate and timely way is of the utmost importance. The existing method for plant disease detection is through naked eye observation by experts which is more laborious task and hiring professional agriculturists may not be affordable especially in remote isolated geographic regions.

Machine vision with Internet of Things (IoT) technologies can offer an alternative solution in plant monitoring; provide image based automatic process control, inspection, and guidance. The prime objective of the proposed scheme is to develop and design a complete solution for assisting farmers in identifying the diseases of commercial crops like tomato, capsicum, cauliflower, brinjal, peas etc in different districts of Himachal Pradesh. This solution will provide feedback to farmers from agriculture scientist/ agriculture experts to find the solution for different categories of diseases and advice on pesticides/sprays to be used for better production.

**Our primary focus is on commercial crop diseases, which may be identified from the proposed android based applications using normal smart phones having camera. Images of the diseased crop will be uploaded using the web application and IoT Services and a decision support system will help the farmers in selecting the right pesticides and post diseases steps to be followed. Later on same proposal may be extended for other category of visual diseases for different fruits and vegetables grown in the state of Himachal Pradesh.**

#### Role of PI and Co-PI:

Major Specialization of PI is Image Processing. It helps in image segmentation of various crop diseases using the different algorithms and same may be implemented in MATLAB Software. PI has already published number of research papers in same area and demonstrated her excellence. So, the role of PI is matching with the problem statement.

  
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Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)





processed using the Image Processing System and after identification of disease, expert system will assist the farmer by providing response through email, Whats App or Android Application.

**(b) Addressing priority of the State of H.P.:**

Over 93% of the population in Himachal depends directly upon agriculture which provides direct employment to 71% of its people and agriculture contributes over 45% to the net state domestic product. The farm economy of the State assumes a great significance in the context of raising the overall rate of growth of the economy on the one hand, and raising the incomes of the vast multitude of farmers.

Production and marketing of tomato in neighbouring / competing states of Haryana, Punjab, Uttar Pradesh and Rajasthan ends up in June. From first week of the July onwards Himachal Pradesh is a sole supplier of tomatoes till second week of October. Further, within the state in the month of July Solan district has advantage over other tomato producing districts of Himachal as it is sole producer at that time. During the months of August and September markets of Punjab, Haryana and Delhi tenninal markets get supplies of peas from these districts and fetch very high price. Capsicum produced in Himachal Pradesh does not face any competition from the other states. The capsicum main producing districts are Kullu, Shimla and Solan. The cabbage produced in Kullu, Lahul-Spiti, Shimla and Solan do not face any competition from other states from April to June

Against this background, the proposed project aims at strengthening extension facilities to educate the farmers about the variations in the normal crop agriculture and they will have exposure to knowledge database along with expert suggestive remedial measures. These support system findings will have outcomes that would affect the livelihood of the local population involved in this crop cultivation.

**(c) New Innovativeness expected in the Project:**

There are several ways to detect plant pathologies. Some diseases do not have any visible symptoms associated, or those appear only when it is too late to act. In such cases, sophisticated analysis, along with expert advice is necessary. In this approach digital image processing tools will be employed to achieve our goals and IoT technology will be adopted to use the created knowledge database that will benefit the farmers. The proposed decision support system will work in real time scenario not only to detect the disease but also provide the suggestive remedial measures after getting feedback from the farmers.

The novelty of the proposed approach is that it is low cost solution which requires very less human interventions. In addition to this, no specific instrument/device needs to be purchased at the end of farmers. The cost of implementation at the end of farmers will be negligible.



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Waknaghat, Distt. Solan (H.P.)





come in very cheaper price. The economic details for the project has been calculated and tabulated in tables under heading 17.

Concerning the hardware, the costs include the high resolution cameras to get the clear pictures, image analysis tools, LED modulators, Wi-Fi modules , and the design of the gateway to transmit data from the nodes to the Base Station. The software development includes analysis, adding security to the communication protocol custom programming in Android at the advances stages. However, proposed model operation expenditures and maintenance cost are meagre.

The best part of proposed solution is that once the proposed solution is ready, farmer may use it without investing any amount. It will be provided as a Software, which can be downloaded free of cost at the end of farmers.

**(g) How appropriately the expected output answers the questions being addressed in the specific subject matter/area?**


While a plethora of empirical studies are available in the literature on economic impact of the cultivation of tomato crop, there is no study on suggestive measures by feedback from farmers.

The proposed system would meet the following needs:

- Enhance farmer's perceptions about the health of the crop, nutrient management and the use of sprays/ equipments to enhance the production and quality of the crop.
- Detection of plant disease through automatic technique as it will reduce a large work of monitoring, and at very early stage itself it detects the symptoms of diseases.
- The information about the disease of the crop will be disseminated to the primary user i.e. farmer through the Internet of Things (IoT) technologies in real time, so that precautionary measure can be taken.
- The expert advice and support system with machine vision will provide image based inspection, and guidance.
- By developing Android App and giving access to the farmer a database with IoT technology will help the farmers to have continuous monitoring and evaluation.

**References:**

- [1] Sanjay B. Dhaygude, Nitin P.Kumbhar, "Agricultural plant Leaf Disease Detection Using Image Processing", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2(1), January 2013.
- [2] H.Al-Hiary *et al.*, "Fast and Accurate Detection and Classification of Plant Diseases", International Journal of Computer Applications, Vol. 17(1), March 2011.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





done and IoT technology will be used. This module will help in route the data generated by the data analysis module with certain parameters to the knowledge base. Further, an Android app will also be developed to support farmers to have access to wide database and benefit networking.

#### (iv) Decision Support System

This module will deal with the provision of suggestive measures and feedback to farmers from agriculture scientist/ agriculture experts to find the solution for different categories of diseases and advice on pesticides/sprays to be used for better production and quality of production. Lastly, testing will be done to improve the quality of results in term of better response time, accuracy of results and other Quality of Service (QoS) parameters.

#### (v) Algorithm of proposed model

Following algorithm illustrates the step by step approach for the proposed image segmentation and disease recognition processes:

- (1) Image acquisition is the very first step that requires capturing an image with the help of a digital camera.
- (2) Pre-processing of input image to improve the quality of image and to remove the undesired distortion from the image. (Involving clipping of the image is performed to get the interested image region, image smoothing and Image enhancement). Segmentation is done to get clear cut boundaries of the infected areas.
- (3) Analysis of the images in terms of parameters. Create database of all the possible diseases after consulting experts of the field.
- (4) Get real time data from farmers through pic or Android App, compare with the dataset developed of all the diseases pertaining to the crop. Provide suggestive measures after consulting the experts/ researchers/ scientists.

Tentative block diagram for the proposed approach is shown in Fig.1. In addition to this, Project Methodology for Early detection of diseased crop is presented in Fig.2.

Assistant Registrar (Academics)  
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Waknaghat, Distt. Solan (H.P.)



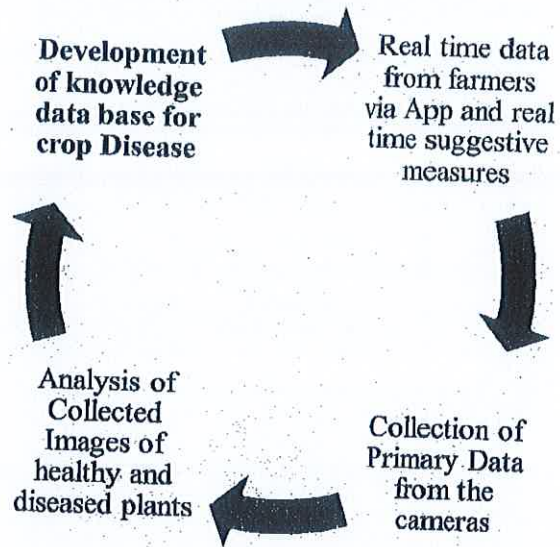


Fig.2 Project Methodology for Early detection of diseased crop

*(Handwritten Signature)*

Assistant Registrar (Academics)  
 Jaypee University of Information Technology  
 Wakanaghat, Distt. Solan (H.P.)





17. Budget Estimates: Summary

S. No.	Item	Budget		
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total (Rs.)
1.	Remuneration (Salaries/ Wages)-JRF @ Rs 15000/- PM and One Field Boy for One Year @ Rs 12000	1,80,000	3,24,000	5,04,000
2.	Consumables ( Cameras, Hubs, Gateways/ Routers, Supported s/w)	271750	81000	3,52,750
3.	Travel Cost to Set Up the Proposed System in various Crop Locations/ Visiting Agriculture Scientist for Feedback of Decision Support System/ Travel ( Visit for Deploying the Proposed Solution in form of App on Farmers Mobile, Other Institutions for Workshop, Conferences, Discussion, Publication Charges etc.)	40,000	40,000	80,000
4.	Workshop for Farmers to collect Feedback/ Miscellaneous Items/ Other Costs/Contingencies (Supported Hardware, Computer Peripherals, Pen drive, data card, Cloud Storage for Storing Images, Internet Expenses, Stationary, books, periodicals, other hardware etc.)	30,000	30,000	60,000
	<b>Grand Total</b>	<b>5,21,750</b>	<b>4,75,000</b>	<b>Rs. 9,96,750/-</b>

Total Grants Sanction = 9,96,750

① 1<sup>st</sup> installment received (40%) = 3,98,700

*[Signature]*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)



31502

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

Dated: 11-Sep-2015

**ORDER**

Subject: Financial Sanction of the research project titled "Semiconducting Chalcogenide Quantum Dots for Exploiting the Power of Solar Energy" under the guidance of Dr. Pankaj Sharma, Physics & Materials Science, Jaypee University of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan, HIMACHAL PRADESH, SOLAN-173234 - 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. 1699000/- (Rs. Sixteen Lakh Ninety Nine Thousand Only) with break-up of Rs. 0/- under Capital (Non-recurring) head and Rs.1699000/- under General (Recurring) head for a duration of three years. The items of expenditure for which the total allocation of Rs. 1699000/- has been approved are given below:

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment	0
A'	Total (Non-Recurring)	0
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : (Manpower, Consumables, Travel (Domestic), Other Cost, Contingencies)	1416000
2	Recurring - B : (Overhead Charges)	283000
B'	Total (Recurring)	1699000
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>1699000</b>

- Sanction of the SERB is also accorded to the payment of
  - and Rs. 550000/- (Rupees Five Lakh Fifty Thousand only) under 'Grants-in-aid General' to JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan being the first installment of the grant for the year 2016-2016 for implementation of the said research project.
- The expenditure involved is debitable to
 

Fund for Science & Engineering Research (FSER)

This release is being made under Extra Mural Research Funding (Individual Centric). (Condensed Matter Physics and Materials Science)
- The Sanction has been issued with the approval of the competent authority under delegated powers on 28 August, 2015 and vide Diary No. SERB/F/3944/2015-16 dated 09 September, 2015.
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 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 release amount of Rs. 550000/- (Rupees Five Lakh Fifty Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
Account	0427032100000010

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Sep 15 - Sept 16 - 1  
Sep 16 - Sept 17 - 1  
Sep 17 - Sept 18 - 1  
3



031518



**Himachal Pradesh Council for Science, Technology & Environment  
(HIMCOSTE)**

B-34, SDA Complex, Kasumpti, Shimla – 171009  
Phone: 0177-2620998, 2621992 Fax: 0177-2620998  
Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I

3819

Dated: - 12/10/17

**SANCTION ORDER**

**Subject:** "Catalytic nanoparticle based graphene devices for the selective detection of industrial gases"-Reg.

**Principal Investigator (PI):**

Dr. Partha Bir Barman,  
Department of Physics,  
Jaypee University of Information & Technology,  
Waknaghat, Solan-173234

Sanction of the Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) is hereby accorded to the above mentioned project at a total cost of Rs.7,98,000/- (Rupees Seven lakh and Ninety Eight Thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs.7,98,000/- has been approved for a period of two years, are given below:

S.No.	Head	1 <sup>st</sup> Year	Total (In Rs.)
1.	Remuneration (Rs.)	1,80,000/-	3,60,000/-
2.	Consumables	1,00,000/-	2,00,000/-
3.	Travel	30,000/-	60,000/-
4.	Other Costs	89,000/-	1,78,000/-
<b>Total Cost</b>		<b>Rs. 3,99,000/-</b>	<b>Rs. 7,98,000/-</b>

**NOTE:**

- (a) If the Institute/ Organisation or/and Principal Investigator (PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





- duly filled up; signed & stamped and approved by the Head of the Institution/organisation to the HIMCOSTE within 15 days from today positively.
- (b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2016-17' and other related instructions of the HIMCOSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

### Terms & Conditions of the Grant

- The expenditure involved is debitable to Fund for 'HP Specific Research & Development Projects 2016-17' This release is being made under the specific category: DST PRG Grant 2016-17
- The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-I 3819 dated 12.10.17 for a total cost of Rs.7,98,000/-.
- Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website ([www.hpscste.gov.in](http://www.hpscste.gov.in)) and also stated in this Sanction Order.
- The amount of Rs.7,98,000/- will be drawn by the Assistant Controller/AC (F&A) of the HIMCOSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal Instalments subject to certain conditions.
- While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ item wise should be spent at any time.



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





6. The entire project cost will be funded by HIMCOSTE, Shimla and the funds for execution of the project will be released in **TWO equal instalments**. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee (PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and HIMCOSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the HIMCOSTE, Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 31<sup>st</sup> March, 2018 and for 2<sup>nd</sup> instalment before 31<sup>st</sup> March, 2019.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the HIMCOSTE, Shimla. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by HIMCOSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of HIMCOSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by HIMCOSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)






19. Periodic review and inspection of the project will be done by HIMCOSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the HIMCOSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of HIMCOSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of HIMCOSTE Shimla and the PI or/ and the institute/ organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of HIMCOSTE Shimla.
22. The HIMCOSTE reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly-utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the HIMCOSTE and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the HIMCOSTE a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
25. Any un-spent balance out of the amount sanctioned must be surrendered to the HIMCOSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, HIMCOSTE.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



  
Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE, Shimla



Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF (F&A) HIMCOSTE, Shimla.
4. Accounts Sanction, HIMCOSTE.
5. R&D Section.

*AS*  
*7/17/16*

Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE, Shimla

*Bill*  
Assistant Professor (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





New project 031519



**Himachal Pradesh Council for Science, Technology & Environment  
(HIMCOSTE)**

B-34, SDA Complex, Kasumpti, Shimla – 171009  
Phone: 0177-2620998, 2621992 Fax: 0177-2620998  
Website: www.hpccste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I 3821

Dated: - 12/10/2017

**SANCTION ORDER**

**Subject:** "IoT enabled fencing system to control monkey menace In Shimla (Urban areas of H.P.)"-Reg.

**Principal Investigator (PI):**

**Co-PI:**

Dr. Pradeep Kumar Singh,  
Assistant Professor,  
Jaypee University of Information & Technology,  
Waknaghat, Solan-173234

Dr. Pankaj Sharma,  
Assistant Professor (Dept. of Physics),  
JUIT,  
Waknaghat, Solan-173234

Sanction of the Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) is hereby accorded to the above mentioned project at a total cost of Rs.7,50,000/- (Rupees Seven Lakh and Fifty Thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs.7,50,000/- has been approved for a period of two years, are given below:

S.No.	Head	1 <sup>st</sup> Year	Total (In Rs.)
1.	Remuneration	1,80,000/- (1PA @ 15,000/- pm) + 32,500/- (electrician charges)	3,60,000/- (1PA @ 15,000/- pm) + 65,000/- (electrician charges)
2.	Consumables	1,00,000/-	2,00,000/-
3.	Travel	45,000/-	90,000/-
4.	Other Costs	17,500/-	35,000/-
<b>Total Cost</b>		<b>Rs.3,75,000/-</b>	<b>Rs.7,50,000/-</b>

**NOTE:**

(a) If the Institute/ Organisation or/and Principal Investigator (PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal

Assistant Registrar  
Jaypee University of Information & Technology  
Waknaghat, Distt. Solan (H.P.)





6. The entire project cost will be funded by HIMCOSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee (PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and HIMCOSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms, notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of taxable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the Institute/organisation is called upon to do so.
12. The Institute/organisation will furnish to the HIMCOSTE, Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 31<sup>st</sup> March, 2018 and for 2<sup>nd</sup> instalment before 31<sup>st</sup> March, 2019.
13. The Institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the HIMCOSTE, Shimla. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by HIMCOSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of HIMCOSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by HIMCOSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.


  
Assistant Secretary (Academics)  
Jaya Prakash Institute of Information Technology  
Waknaghat, Distt. Solan (H.P.)






19. Periodic review and inspection of the project will be done by HIMCOSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. In advance. In addition, the HIMCOSTE may designate Scientist/Specialist or an expert panel to visit the Institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of HIMCOSTE. Technology, equipment, protocols, or innovations tool developed; if any would be in joint ownership of HIMCOSTE Shimla and the PI or/ and the Institute/ organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of HIMCOSTE Shimla.
22. The HIMCOSTE reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the HIMCOSTE and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the HIMCOSTE a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
25. Any un-spent balance out of the amount sanctioned must be surrendered to the HIMCOSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, HIMCOSTE.



  
Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE, Shimla

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)



Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. ACF (F&A) HIMCOSTE, Shimla.
4. Accounts Sanction, HIMCOSTE.
5. R&D Section.



Assistant Registrar (Accounts)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE, Shimla



Fund from SCSTE - H.P. - Pradeep kr Singh .  
03/509

State Council for Science, Technology & Environment (SCSTE), H.P.

B-34, SDA Complex, Kasumpti, Shimla - 171009  
Phone: 0177-2620998, 2621992 Fax: 0177-2620998  
Website: www.hpscste.gov.in & Email: ste-hp@nic.in

SCSTE/F(8)-1/2016-Vol-I -5591

Dated: - 19/10/2016

**SANCTION ORDER**

**Subject:** Financial Sanction of the research project titled "Early Forest Fire Detection System using Wireless Sensors and IOT for H.P Mountains"-Reg.

**Principal Investigator (PI):**  
Dr. Pradeep Kumar Singh  
Assistant Professor  
Department of CSE & IT  
Jaypee University of Information Tech  
Waknaghat, District-Solan 173234

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of Rs. 6,17,918/- (Rupees six lakh seventeen thousand nine hundred & eighteen only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of has been approved for a period of two years, are given below:

S.No.	Head	Total (in Rs.)
1.	Remuneration (Rs.) Project Associate - 1 No. @Rs.15,000/- PM	3,60,000/-
2.	Consumables	1,98,418/-
3.	Travel	38,500/-
4.	Other Costs	21,000/-
Total Cost		6,17,918/-

**NOTE:**

(a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up signed & stamped and approved by the Head of the institution/ organisation to the SCSTE within 15 days from today positively.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





(3) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the Institute or the CDO/Accounts Officer and of Principal Investigator through details as provided below where the grant is to be transferred.

Particulars	Head of the Institution	CDO/Accounts Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2016-17' and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

### Terms & Conditions of the Grant

1. The expenditure involved is debitable to  
Fund for 'HP Specific Research & Development Projects 2016-17'  
This release is being made under the specific category:  
(a) General Plan Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-15591 dated 19/10/16 for a total cost of Rs. 6,17,918/-.
3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website ([www.hpscste.gov.in](http://www.hpscste.gov.in)) and also stated in this Sanction Order.
4. The amount of Rs.6,17,918/- will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.

*(Signature)*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 30<sup>th</sup> October, 2017 and for 2<sup>nd</sup> instalment before 30<sup>th</sup> October 2018.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by SCSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.



Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, the visit etc. In advance. In addition, the SCSTE may designate Scientist/specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.
22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

Kunal Satyarthi, IFS  
Joint Member Secretary  
SCSTE, Shimla

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





**Science and Engineering Research Board**

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi – 110 016Dated **10.07.2014****ORDER**

Subject:- Financial assistance for the research project entitled "Development, characterization & processing of quantum dots for imaging in near infrared (NIR) range" by **Dr. Ragini Raj Singh**, Department of Physics & Materials Science, Jaypee University of Information Technology, Waknaghat, Solan - 173234, Himachal Pradesh.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 24,80,000/- (Rupees twenty four lakh eighty thousand only) with break-up of Rs. 12,00,000/- under Non-Recurring head and Rs. 12,80,000/- under Recurring head for a duration of three years. The items for which the total allocation of Rs. 24,80,000/- has been approved for a period of three years, are given below:

Sl. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-Recurring</b>	
1.	Minor Equipment fluorescence spectrophotometer	12,00,000/-
A'	Total Non-Recurring	12,00,000/-
<b>B</b>	<b>Recurring</b>	
B.1	Recurring A JRF (One), Consumables, Travel, Contingencies	9,80,000/-
B.2	Recurring B (Overhead Charges)	3,00,000/-
B'	Total Recurring (B.1 + B.2)	12,80,000/-
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>24,80,000/-</b>

2 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.

3 The sanction of the Board is also accorded to the payment of **Rs. 12,00,000/-** (Rupees twelve lakh only) under 'Non-Recurring' head and **Rs. 4,20,000/-** (Rupees four lakh twenty thousand only) under 'Recurring' head to the Registrar, Jaypee University of Information Technology, Waknaghat, Solan - 173234.0, Himachal Pradesh being the first installment of the grant for the year 2014-15 for implementation of the said research project.

4 Sanction of the grant is subject to the conditions as detailed in Annexure – I.

5 The expenditure involved is debitable to

**Fund for Science and Engineering Research (FSER)**

6 The sanction has been issued with the approval of the competent authority in SERB vide Dy. No. SERB/F/ **2569** /2014-15 dated 08.07.2014.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





7. The amount of **Rs. 16,20,000/- (Rupees sixteen lakh twenty thousand only)** meant for both 'Non-Recurring' head and 'Recurring' head will be drawn by the Finance & Budget Officer of the SERB and it will be disbursed to **The Registrar, Jaypee University of Information Technology, Wagnaghat, Solan - 173234, Himachal Pradesh** by means of RTGS transaction as per their details given below:

<b>Account Name</b>	<b>Registrar</b>
<b>Bank Name &amp; Branch</b>	<b>Punjab National Bank, JUIT Campus, Solan</b>
<b>Bank Account Number</b>	<b>0427032100000010</b>
<b>IFSC Code</b>	<b>PUNB0637100</b>
<b>e-mail ID of the grantee</b>	<b>balbir.singh@juit.ac.in</b>

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

9. While providing operational flexibility among various subheads under head Recurring -A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

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

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

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

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

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

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

  
(Praveen Kumar S)  
Scientist 'D'

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, III Floor, A.G.C.R Building, I.P Estate, New Delhi - 110 002.
2. The Finance & Budget Officer, SERB (2 copies).

3. **Dr. Ragini Raj Singh**  
**Department of Physics & Materials Science**  
Jaypee University of Information Technology  
Wagnaghat, Solan - 173234, Himachal Pradesh  
e-mail: raginirajsingh@gmail.com, ragini.rajsingh@juit.ac.in

4. **The Registrar**  
Jaypee University of Information Technology  
Wagnaghat, Solan - 173234, Himachal Pradesh

5. Sanction folder SERB
6. SERB Secretariat

Copy Recds

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)

  
(Praveen Kumar S)  
Scientist 'D'





Fund from  
Govt. of India  
Rajesh Kumar  
Indo-Germany  
Project.

031515

No. INT/FRG/DAAD/P-24/2017  
Government of India  
Ministry of Science and Technology  
Department of Science & Technology  
(International Bilateral Cooperation Division)

11/8/17

BRV-302

31/8/17

Technology Bhavan, New Mehrauli Road  
New Delhi-110016  
Date: 31/07/2017

**ORDER**

Subject: Implementation of Indo-Germany Joint project entitled: "Formation of Room Temperature Ferrite Thin Films for the Applications of Spintronic Devices" coordinated by Rajesh Kumar, with the Germany partner Joachim Wollschlager, - regarding.

Sanction of the President is hereby accorded for incurring an expenditure not exceeding Rs. 11,72,000/- (Rupees Eleven Lac Seventy Two Thousand Only) for implementation of the Indo-Germany joint project entitled "Formation of Room Temperature Ferrite Thin Films for the Applications of Spintronic Devices" coordinated by Rajesh Kumar, Assistant Professor, Department of Physics and Materials Science, Jaypee University of Information Technology Solan(H.P) India in collaboration with Joachim Wollschlager, Professor, Department of Physics, University of Osnabruck, Germany for a total duration of 2 years from the date of issue of the sanction order. The detailed breakup of the grant for General as well as Capital Components are given below:-

General Component : Rs. 11,72,000/-  
Capital Component : Rs. Nil.

2. As per the terms and conditions, agreed by both side, under the project the sending side will bear the cost related to the International air travel, medical insurance and visa charges whereas the receiving side shall bear the cost of accommodation, hospitality and local travels of the visiting scientist. The break-up of approved expenditure is as indicated below :

Headings	Estimated expenditure(s)		
	1 <sup>st</sup> year	2 <sup>nd</sup> year	Total
<b>1. Expenses for Indian scientists to visit Germany under the project</b>	(2 visits)	(2 visits)	4 visits
International air-fare (by IATA excursion/ economy class by shortest route) including surface travel from place of work in India to place of work in Germany & back; Visa charges,	15 & 25 days	15 & 25 days	80 days
Medical Insurance etc	3,06,000/-	3,06,000/-	6,12,000/-
	10,000/-	10,000/-	20,000/-
<b>2. Expenses for German scientists to visit India under the project</b>	(2 visits)	(2 visits)	4 visits
(i) Accommodation charges	(22 day each)	(22 day each)	88 days
(ii) Per-diem charges @ Rs. 2500/- per day	1,60,000/-	1,60,000/-	3,20,000/-
	1,10,000/-	1,10,000/-	2,20,000/-
<b>3. Total</b>	<b>5,86,000/-</b>	<b>5,86,000/-</b>	<b>11,72,000/-</b>

*[Handwritten Signature]*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





3. Sanction of the President is hereby accorded for release of 1<sup>st</sup> instalment amounting of Rs. 5,86,000/- (Rupees Five Lac Eighty Six Thousand Only) to the grantee institute. The amount of grant will drawn by the Drawing and Disbursing Officer, DST and will be disbursed to Department of Physics and Materials Science, Jaypee University of Information Technology Solan(H.P) India. The bank details for electronic transfer of funds through RTGS are given below:-

Account Holders name/ designation	Jaypee University of Information Technology
Name of Bank	Punjab National Bank, Waknaghat, Distt. Solan (H. P.)
Bank Account Number	0427032100000010
IFSC Code	PUNB0637100
E-Mail	rajesh.kumar@juit.ac.in
Darpan Portal Unique ID	HP/2016/0106622

**Condition for placing of grant amount :**

4. The institute will maintain separate audited account for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the (financial year wise) Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.

**Conditions for submission of SE/UC and Progress report.**

5. This sanction is subject to the condition that :

- the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
- While submitting Utilisation Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
- a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant;

6. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

7. In the event grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

**Conditions of Assets (if any) :**

8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

**Conditions for International Visits :**

9. All project related visits to be undertaken by the Scientists from either side in connection with the implementation of the project shall require prior approval from this Department separately on a case to case basis before any expenditure is incurred in this regard.

10. As per MoF instructions, it has been decided that in all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to their eventual destination, beyond which they may utilize the services of another airline which should also preferably be an alliance partner of Air India.

**Other Conditions:**

11. The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organisation is called upon to do so, as laid down under Rule 236(i) of General Financial Rules 2017.

12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13. In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.

14. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.


15. The expenditure involved is debit to Demand No 84, Department of Science & Technology for the year 2017-18:

3425	:	Other Scientific Research (Major Head)
60	:	Others
60 798	:	International Cooperation (Minor Head)
14	:	S & T Cooperation with Other countries
14.00.31	:	Grants-in-aid General for the year 2017-18 (Plan)
(Previous : ICD-3425.60.798.14.00.31)		

16. This sanction order being 1<sup>st</sup> instalment for implementation of this project, no SE/UC is due from the grantee institution against this project.

17. This issues with the concurrence of IFD vide their concurrence Dy. No. C/1735/IFD 2017-18 dated 24.07.2017.

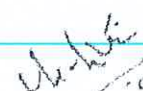
18. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. .... in the register of grants maintained in the Division for the scheme (Name of the Scheme).


  
(Dr. Chadaram Sivaji)  
Scientist-F / IBCD

To,  
The Pay & Accounts Officer,  
Department of Science & Technology,  
New Delhi-110016

Copy to:

1. Office of the Principal Director of Audit, AGCR Bldg., IP Estate, New Delhi-110002
2. Cash Section (3 copies), DST
3. I.F. Division/Accounts Section, DST
4. Sanction Folder
5. Project File.
6. Rajeev Kumar, Assistant Professor, Department of Physics and Materials Science, Jaypee University of Information Technology Solan(H.P.) India
7. Jaypee University of Information Technology

  
(Dr. Chadaram Sivaji)  
Scientist-F / IBCD

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





ORDER

Subject: Implementation of Indo-Polish joint Project entitled: "Reliability Modeling and Optimized Planning of Risk-based Resilient Networks." coordinated by Prof. Rajiv Kumar, Assistant Professor, Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wagnaghat, Solan-173234, Himachal Pradesh with his British counterpart Piotr Cholda, Assistant Professor, AGH University of Science and Technology Department of Telecommunications Al. Mickiewicza 30, 30-059 Krakow.

Sanction of the President is hereby accorded for DST- Polish joint Project entitled: "Reliability Modeling and Optimized Planning of Risk-based Resilient Networks." under the MoU with Polish at a total cost of Rs.9,04,000/- (Rupees nine lakh four thousand only) for a period of two years as under:-

Item of Expenditure	Amount		Total
	First year	Second year	
<b>1. Mobility of scientists</b> (Two visits from each side each year) <ul style="list-style-type: none"><li>For visit of Indian scientists to Polish</li><li>For visit of Polish Scientists to India</li></ul> (as calculated below in para 7 below)	Rs 1,88,000 Rs 1,44,000	Rs 1,88,000 Rs 1,44,000	Rs 3,76,000 Rs 2,88,000
<b>2. Consumables</b>	Rs 60,000	Rs 80,000	Rs 1,40,000
<b>3. Contingency</b>	Rs 50,000	Rs 50,000	Rs 100,000
<b>Year wise Cost</b>	Rs 4,42,000	Rs 4,62,000	
<b>Total cost</b>	Rs.9,04,000/-		

Sanction of the President is hereby accorded for release of 1<sup>st</sup> installment Rs.4,42,000/- (Rupees four lakh forty two thousand only) to Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wagnaghat, Solan-173234, Himachal Pradesh.


3. DDO DST shall draw an amount of Rs.4,42,000/- (Rupees four lakh forty two thousand only) from PAO DST and shall arrange to disburse the same by means of electronic transfer (E-transfer) in favour of the Vice Chancellor, Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wagnaghat, Solan-173234, Himachal Pradesh as details given below:-

Account Holders name/ designation	Jaypee University of Information Technology,
Name of Bank	Punjab National Bank,
Bank Branch	JUIT, Wagnaghat, Distt-Solan, HP-173234
Bank Account Number	0427032100000010
IFSC Code	PUNB0637100
MICR Code	171024077
E-Mail	rajiv.kumar@juit.ac.in

4. The expenditure involved is debitable to:-

- Demand No. 87-Department of Science and Technology
- Major Head-3425 B-Other Scientific Research
- 60 others - Minor Head 60.798 International Co-operation S&T Co-operation with other Countries
- 12.00.31 Grants-in-aid during the current financial year 2015-16(PLAN).

5. The Project will be coordinated by Prof. Rajiv Kumar, Assistant Professor, Jaypee University of Information technology, Department of Electronics and Communication Engineering, Wagnaghat, Solan-173234, Himachal Pradesh with his Polish counterpart Piotr Cholda, Assistant Professor, AGH University of Science and Technology Department of Telecommunications Al. Mickiewicza 30, 30-059 Krakow and will be presumed to commence from the date of issue of this sanction.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, Distt. Solan (H.P.)





6. Prof. Rajiv Kumar, Assistant Professor, Jaypee University of Information technology, Department of Electronics and Communication Engineering, Wahnaghat, Solan-173234, Himachal Pradesh is required to submit technical progress report periodically (at least once in six months) and a final report at the end of project.

7. As and when required, proposal for a visit under the project should be sent to DST at least six weeks prior to the initiation of the visit. The grant for exchange visit is to be operated subject to the condition that the prior approval of this Department would be obtained on all project related visits to be undertaken by the scientists from either side in connection with the implementation of the project on a case to case basis before any expenditure is incurred in this regard. Break up for proposed expenditure on each exchange visit will be calculated broadly as below:

a) Break up of expenditure on each visit of Indian Scientists visiting collaborative Institute is calculated broadly as below:

1) International Fare Sloan-Cracow-Solan By excursion/economy class (cheapest available fare)	Rs 80,000
2) Medical Insurance (Silver class)	Rs 4,000
3) Domestic Travel related to visit	Rs 2,000
4) Visa Fee (as per actuals)	Rs 8,000
Total:	Rs 94,000

b) Break up of expenditure on each visit of Polish scientists and project staff visiting the Indian collaborative Institute (for an average duration of two weeks):

a. Per diem @ Rs 2500 *14 days	Rs 35,000
b. Accommodation @ Rs 2500 *14 days	Rs 35,000
c. Local Transport	Rs 2,000
Total:	Rs 72,000

8. Local hospitality including cost for the stay of Indian scientists in Polish for the total duration is to be met by the receiving side as per the provision of MoU between Department of Science & Technology and Polish.

9. "The institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitted the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant".


10. It must be ensured that the final statement of expenditure, utilization certificate and project completion report is submitted within one year after the scheduled dated of completion of the project.

11. As per MoF instructions, it has been decided that in all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to their eventual destination, beyond which they may utilize the services of another airline which should also preferable be an alliance partner of Air India.

12. No re-appropriation will be allowed from one item/sub head of expenditure to another item sub head of expenditure and copies of claims may be called by DST if required. This sanction order has been issued in current financial year 2015-16 and is valid up to 31-03-16 only. For incurring any expenditure in next financial year (2016-17) PI should apply to DST for carry forward of unspent balance to 2016-17 during April 2016 for seeking carry forward approval/sanction order. Indian Project coordinator should furnish the requisite utilization certificate immediately at the end of the each financial year (ending 31<sup>st</sup> March) along with the audited statement of expenditure and progress report.

13. The account of the grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institution is called upon to do so, as laid down under Rule 211 (i) of General Financial Rules.

14. This issues under the power delegated to this Departments and with the concurrence of the Director IFD vide Dy No.C/130/IFD/2015-16 dated:08/04/2015.


  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Distt. Solan (H.P.)





15. This sanction order has been noted at Sl. No. 711 in Grant register.

16. No UC/SE is due from, Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wahnaghat, Solan-173234, Himachal Pradesh against this project


  
(S.K. Varshney)  
Scientist "G"

To,

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

Copy to:

1. Principal Director of Audit, AGCR Bldg, IP Estate, New Delhi-110002
2. Cash Section (3 copies), DST
3. I.P. Division/Accounts Section, DST
4. Sanction Folder
5. **Prof. Rajiv Kumar**, Assistant Professor, Jaypee University of Information technology, Department of Electronics and Communication Engineering, Wahnaghat, Solan-173234, Himachal Pradesh
6. **Vice Chancellor**, Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wahnaghat, Solan-173234, Himachal Pradesh
7. **Finance Officer**, Jaypee University of Information Technology, Department of Electronics and Communication Engineering, Wahnaghat, Solan-173234, Himachal Pradesh

  
(S.K. Varshney)  
Scientist "G"



Assistant Registrar (Academics)  
Jaypee University of Information Technology







**State Council for Science, Technology & Environment (SCSTE), H.P.**

B-34, SDA Complex, Kasumpti, Shimla – 171009  
Phone: 0177-2620998, 2621992 Fax: 0177-2620998  
Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol-I 5518

Dated: - 18-10-2016

**SANCTION ORDER**

**Subject:** Financial Sanction of the research project titled "Biogas production for sustainable energy generation in rural H.P. using one-stage portable digester"-Reg.

**Principal Investigator (PI):**

✓  
**Dr. Sudhir Kumar**  
Associate Professor

Department of Bio-technology  
& Bioinformatics, Jaypee University of Information & Technology,  
Waknaghat, Solan-173234

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of Rs.7,87,000/- (Rupees seven lakh eighty seven thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs.7,87,000/- has been approved for a period of two years, are given below:

S.No.	Head	Total (in Rs.)
1.	Remuneration (Rs.) Project Associate – 1 No. @Rs.8000/- PM	1,92,000/-
2.	Consumables	4,90,000/-
3.	Travel	55,000/-
4.	Other Costs	50,000/-
	<b>Total Cost</b>	<b>7,87,000/-</b>

**NOTE:**

(a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up, signed & stamped and approved by the Head of the Institution/

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





031511

031511

FILE NO. EMR/2016/004791  
**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: 21-Mar-2017

**ORDER**

Subject: Financial Sanction of the research project titled "**Physico-chemical Study of Flavonoid -Surfactant Interaction: Utilization in Neomycin Topical Formulatin**" under the guidance of Dr. Poonam Sharma, BT/BI/Pharm, Jaypee University of Information Technology, Juit-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal pradesh-173234 - 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. 2250600/- (Rs. Twenty Two Lakh Fifty Thousand Six Hundred Only) with break-up of Rs. 600000/- under Capital (Non-recurring) head and Rs.1650600/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 2250600/- has been approved are given below:

The following budget may be considered for Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan

S. No	Head	Total (in Rs.)
A	<b>Non-recurring</b>	
1	Equipment -> Water Thermostat -> Sonicator -> Echo pulse ultrasonic velocity interferometer -> Weighing Balance -> Digital Viscometer	600000
A'	<b>Total (Non-Recurring)</b>	<b>600000</b>
B	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1446000
2	Recurring - B : (Overhead Charges)	204600
B'	<b>Total (Recurring)</b>	<b>1650600</b>
C	<b>Total cost of the project (A + B')</b>	<b>2250600</b>

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

- Rs. 600000/- (Rupees Six Lakh only) under 'Grants for creation of capital assets' and Rs. 100000/- (Rupees One Lakh only) under 'Grants-in-aid General' to Registrar, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan

being the first installment of the grant for the year 2016-2017 for implementation of the said research project.  
3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)  
This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Inorganic Physical Chemistry)

4. The Sanction has been issued to Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan with the approval of the competent authority under delegated powers on 17 March, 2017 and vide Diary No. SERB/F/9602/2016-17 dated 20 March, 2017

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

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

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

10. The release amount of Rs. 700000/- (Rupees Seven Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
--------------	---

1100  
  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





Account Number	0427032100000010
Bank Name & Branch	PUNJAB NATIONAL BANK PUNJAB NATIONAL BANK, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, DISTT SOLAN
IFSC/RTGS Code	PUNB0637100
Email id of A/C Holder	kk.marwah@juit.ac.in
Email id of PI	drpoonamsharma@rediffmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

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

13. The project File no. EMR/2016/004791 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

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

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

17. 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.

18. 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.

*Arvind Chaudhary*  
(Dr. Arvind Chaudhary)  
Scientist C  
ms\_ipc@serbonline.in

To,  
Finance & Budget Officer  
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Poonam Sharma BT/BI/Pharm Jaypee University of Information Technology, Juit-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal Pradesh-173234 Email: drpoonamsharma@rediffmail.com Mobile: 919418410165 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	Registrar, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan  (Receipt of Grant may be intimated by name to the undersigned)

*Arvind Chaudhary*  
(Dr. Arvind Chaudhary)  
Scientist C  
ms\_ipc@serbonline.in

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



Rs. 7,00,000 Received BRV-198  
*[Signature]*  
3/13/17





**H.P. Council for Science, Technology & Environment (HIMCOSTE), Shimla**

B-34, SDA Complex, Kasumpti, Shimla -- 171009

Phone: 0177-2620998, 2621992 Fax: 0177-2620998

Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2017 5085 -86

Dated: - 28/12/17

**SANCTION ORDER**

**Subject:** Financial Sanction of the research project titled "Design and analysis of a Thermoelectric Generator for Energy Harvesting System from Waste Heat for the State of Himachal Pradesh"-Reg.

**Principal Investigator (PI):**

Dr. Shruti Jain (PI)

Jaypee University of Information Technology,

Waknaghat, Distt Solan

H.P-173234

**Co-PI:**

1. Dr. Meenakshi Sood

Sanction of the H.P. Council for Science, Technology & Environment (HIMCOSTE) is hereby accorded to the above mentioned project at a total cost of Rs. 5,24,000/- (Rupees Five Lakhs Twenty Four Thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs. 5,24,000/- has been approved for a period of two years, are given below:

S.No.	Head	First Year (in Rs.)	Total (in Rs.)-2 Yrs.
1.	Remuneration (Rs.) 1 Project Associate@Rs.15000/-PM	1,80,000/-	3,60,000/-
2.	Consumables	50,000/-	1,00,000/-
3.	Travel	20,000/-	40,000/-
4.	Other Costs	12,000/-	24,000/-
Total Cost		2,62,000/-	5,24,000/-

**NOTE:**

(a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/ organisation to the HIMCOSTE within 15 days from today positively.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







- (b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

(c) Scheduled Caste Areas:

- (i) Research & Development Project would be implemented in Scheduled Caste concentration areas which should wholly or partially benefit the SC families.
- (ii) Either the villages having 40% or more SC population or villages having 90 SC persons or more are to be selected. Identification of most appropriate villages have to be carved out of the latest Census data (2011-CENSUS by Directorate of SCs/OBCs & Minority Affairs, H.P.) published District/ Tehsil wise.
- (iii) Work Area would be the following villages/ panchayats under the Vigyan Gram scheme of HIMCOSTE:

Sr. No.	Name of the District	Name of the Panchayat	Name of the Block
1.	Shimla	Piplidhar (Bainsh)	Basantpur
2.	Sirmour	Matal Bakhog	Rajgarh

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2017-18' and other related instructions of the HIMCOSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

Terms & Conditions of the Grant

1. The expenditure involved is debit able to Fund for 'HP Specific Research & Development Projects 2017-18' This release is being made under the specific category:

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





(a) SCSP Scheme

2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/ F(8)-1/2017, dated 28/12/19 for a total cost of Rs. 5,24,000/-.
3. Sanction of the grant is subject to the conditions as contained in the Guidelines & Terms & Conditions as available at website ([www.hpscste.gov.in](http://www.hpscste.gov.in)) and also stated in this Sanction Order.
4. The amount of Rs.5,24,000/- will be drawn by the Assistant Controller/AC(F&A) of the HIMCOSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator in two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ item wise should be spent at any time.
6. The entire project cost will be funded by HIMCOSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee (PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and HIMCOSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the HIMCOSTE Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 31<sup>st</sup> January, 2019 and for 2<sup>nd</sup> instalment before 31<sup>st</sup> January 2020.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the HIMCOSTE Shimla. The interest thus earned

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





will be treated as a credit to the institute to be adjusted towards further instalment of the grant.

14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.
16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by HIMCOSTE Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of HIMCOSTE Shimla in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc.) under this project besides mentioning the grants received by HIMCOSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off with out obtaining prior approval of State Council.
19. Periodic review and inspection of the project will be done by HIMCOSTE Shimla team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. In advance. In addition, the HIMCOSTE Shimla may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of HIMCOSTE Shimla. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of HIMCOSTE Shimla and the PI or/and the institute/organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of HIMCOSTE Shimla.
22. The HIMCOSTE Shimla reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the HIMCOSTE Shimla and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 10,000/-. The Institute is required to send to the HIMCOSTE Shimla a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.

25. Any un-spent balance out of the amount sanctioned must be surrendered to the HIMCOSTE Shimla through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, HIMCOSTE Shimla.
26. The project would become operational from the date of receiving funds by the Institution.

OK

AS

Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE Shimla

Copy forwarded for information and necessary action to:

1. Head of the organisation/institute.
2. Principal Investigator
3. AC (F&A) HIMCOSTE Shimla.
4. Accounts Sanction, HIMCOSTE Shimla.
5. R&D Section.

OK

AS  
7/23/14

Kunal Satyarthi, IFS  
Joint Member Secretary  
HIMCOSTE Shimla

AS  
Section

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)







**State Council for Science, Technology & Environment (SCSTE), H.P.**

**B-34, SDA Complex, Kasumpti, Shimla – 171009**

Phone: 0177-2620998, 2621992 Fax: 0177-2620998

Website: www.hpscste.gov.in & Email: stc-hp@nic.in

SCSTE/F(8)-1/2016-Vol.-I 5518

Dated: - 18-10-2016

**SANCTION ORDER**

**Subject:** Financial Sanction of the research project titled "Biogas production for sustainable energy generation in rural H.P. using one-stage portable digester"-Reg.

**Principal Investigator (PI):**

✓ **Dr. Sudhir Kumar**

Associate Professor

Department of Bio-technology

& Bioinformatics, Jaypee University of Information & Technology,

Waknaghat, Solan-173234

Sanction of the State Council for Science, Technology & Environment (SCSTE) is hereby accorded to the above mentioned project at a total cost of Rs.7,87,000/- (Rupees seven lakh eighty seven thousand only) for a duration of two years from the date of sanction. The items of expenditure for which the total allocation of Rs.7,87,000/- has been approved for a period of two years, are given below:

S.No.	Head	Total (In Rs.)
1.	Remuneration (Rs.) Project Associate – 1 No. @Rs.8000/- PM	1,92,000/-
2.	Consumables	4,90,000/-
3.	Travel	55,000/-
4.	Other Costs	50,000/-
Total Cost		7,87,000/-

**NOTE:**

- (a) If the Institute/ Organisation or/and Principal Investigator(PI) agrees to execute the project as per the budget mentioned above and according to terms and conditions stated below, kindly send three (3) copies of the final project proposal duly filled up; signed & stamped and approved by the Head of the Institution/

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





organisation; along with review of literature to the SCSTE within 15 days from today positively.

- (b) You are also requested to send Bank Account Details, IFSC/RTGS Code & emails of Head of the institution or the DDO/Accounts Officer and of Principal Investigator through details as provided below wherever the grant is to be transferred:-

Particulars	Head of the Institution	DDO/Account Officer	Principal Investigator (PI)
Account Name			
Account Number			
Bank Name & Branch			
IFSC/RTGS Code			

(c) **Scheduled Caste Areas:**

- (i) Research & Development Project would be implemented in Scheduled Caste concentration areas which should wholly or partially benefit the SC families.
- (ii) Either the villages having 40% or more SC population or villages having 90 SC persons or more are to be selected. Identification of most appropriate villages have to be carved out of the latest Census data (2011-CENSUS by Directorate of SCs/OBCs & Minority Affairs, H.P.) published District/ Tehsil wise.

The grant will be regulated in accordance with the provisions contained in the guidelines, terms & conditions for 'HP Specific Research & Development Projects 2016-17' and other related instructions of the SCSTE. The Grant is also subject to the HP General Financial Rules, as amended from time to time and in particular to the following conditions after sanctioning of the project as under:

**Terms & Conditions of the Grant**

1. The expenditure involved is debitable to  
**Fund for 'HP Specific Research & Development Projects 2016-17'**

This release is being made under the specific category:

- (a) SCSP Scheme
2. The Sanction has been issued with the approval of the competent authority under delegated powers and vide diary no. SCSTE/F(8)-1/2016-Vol.-15518 dated 18.10.16 for a total cost of Rs.7,87,000/-.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





16. The expenditure should not exceed beyond the approved allocation of funds under any circumstances.
17. The financial support provided by SCSTE, Shimla should be duly acknowledged at all the forums, publications and proceedings whenever the research project is published or presented. The PI will place and highlight the role of SCSTE in each major activity/ programme (Logo, Pamphlets, Equipments in laboratories, Display in Field work etc. ) under this project besides mentioning the grants received by SCSTE, Shimla.
18. Assets acquired wholly or substantially through grants shall not be disposed off without obtaining prior approval of State Council.
19. Periodic review and inspection of the project will be done by SCSTE team and PI should intimate the Council beforehand about their important milestones activities proposed especially the field activities viz. trainings, site visit etc. in advance. In addition, the SCSTE may designate Scientist/Specialist or an expert panel to visit the institute/organisation periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the institute will provide all facilities to the visiting Scientist/specialist or the expert panel by way of travel, accommodation etc. at the time of their visit.
20. Patents, trademarks, copyrights etc. of any nature should acknowledge financial approval of SCSTE. Technology; equipment; protocols; or innovations tool developed; if any would be in joint ownership of SCSTE Shimla and the PI or/and the institute/organisation.
21. Commercialisation of technology OR transfer of technology or process of production would be done in association with/under intimation to and after obtaining prior approval of SCSTE Shimla.
22. The SCST&E reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
23. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the SCST&E and the CO-PI will ensure successful completion of the project, before relieving the PI.
24. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





3. Sanction of the grant is subject to the conditions as contained in the Guidelines Terms & Conditions as available at website ([www.hpscste.gov.in](http://www.hpscste.gov.in)) and also stated in this Sanction Order.
4. The amount of Rs. 7,87,000/- will be drawn by the Assistant Controller/AC(F&A) of the SCSTE and will be disbursed by means of RTGS transaction as per the Bank details to be provided by the Principal Investigator In two equal instalments subject to certain conditions.
5. While providing operational flexibility among various subheads, it should be ensured that not more than the approved specified amount sub head/ itemwise should be spent at any time.
6. The entire project cost will be funded by SCSTE, Shimla and the funds for execution of the project will be released in TWO equal instalments. 50% advance payment after allotment of project and providing of revised proposals, bank account details etc. and the remaining 50% after submission of Utilization Certificate for the first instalment and project deliverables and based on progress of the work to be reviewed by the Project Evaluation Committee(PEC).
7. The money would not be diverted for any other purpose under any circumstance; even for temporary periods.
8. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SCSTE Shimla will have no liability to meet the budget etc. beyond the duration of the project.
9. Payment towards wages/remuneration as well as other contractual obligations shall be made through bank accounts of recipients and strictly as per Govt. norms; notifications etc.
10. The Institute/Organisation should submit evidence of deposit of TDS/Service Tax and copy of PF and ESI contributions of employees in case of contract payments and CST in case of purchase of leviable goods.
11. The accounts of the project shall be open to inspection by sanctioning authority/ audit whenever the institute/organisation is called upon to do so.
12. The institute/organisation will furnish to the SCSTE, Shimla, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately after the end of one year/ after mid/half of the project duration but not later than 30<sup>th</sup> October, 2017 and for 2<sup>nd</sup> instalment before 30<sup>th</sup> October 2018.
13. The institute/organisation will maintain separate audited accounts for the project. It is expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SCSTE, Shimla. The interest thus earned will be treated as a credit to the institute to be adjusted towards further instalment of the grant.
14. As this is the first grant being released for the project, no previous UC is required.
15. The Institute/organisation is advised to adopt research ethics and corruption mitigation strategies while utilizing the funds.


  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





value exceeds Rs 10,000/-. The Institute is required to send to the SCST&E a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.


25. Any un-spent balance out of the amount sanctioned must be surrendered to the SCSTE through a crossed Chèque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, SCST&E.

  
Kunal Satyarthi, IFS  
Joint Member Secretary  
SCSTE, Shimla

**Copy forwarded for information and necessary action to:**

- ✓ 1. Head of the organisation/institute.
2. Principal Investigator
3. ACF(F&A) SCSTE, Shimla.
4. Accounts Sanction, SCSTE.
5. R&D Section.

  
Kunal Satyarthi, IFS  
Joint Member Secretary  
SCSTE, Shimla

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





File No: DDMA/MISC-2020-38473  
**OFFICE OF THE DEPUTY COMMISSIONER-CUM-CHAIRMAN, DISTRICT DISASTER  
MANAGEMENT AUTHORITY, SOLAN**

Dated: 24/02/2022

To

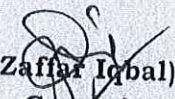
The HOD, Civil Engineering, JUIT,  
Waknaghat, Distt. Solan

**Sub: Request for declaration letter regarding the project "Geological hazards mitigation using stone concrete block retaining walls and helical soil nailing"**

Sir/Mam,

This in reference to your office letter no. JUIT/CED/2021-22/003/DC dated 10.02.2022, regarding the subject cited above. In view of the same, this is to certify that the mitigation project "Geological hazards mitigation using stone concrete block retaining walls and helical soil nailing" has been sanctioned by Distt. Disaster Management Authority, Solan, and is being implemented/monitored by the investigators, Dr. Tanmay Gupta (Prof. CED JUIT), Dr. Saurabh Rawat (Asst. Prof. CED JUIT) and Dr. Ashok Gupta (Prof. CED JUIT and Dean Academics, JUIT) since 26/03/2022, for a period of three years. An amount to the tune of Rs.25 Lakhs has been transferred to Dept. of Civil Engineering for implementation of the same.

Yours faithfully

  
(Zaffar Iqbal) IAS  
Addl. Deputy Commissioner  
-cum-Nodal Officer  
DDMA, District Solan (H.P.)

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







File No: DDMA/Project Proposal/2020 - 22555  
**OFFICE OF THE DEPUTY COMMISSIONER-CUM-CHAIRMAN DISTRICT  
DISASTER MANAGEMENT AUTHORITY, SOLAN**

Dated: 26-03-2021

To

The HOD, Civil Engineering, JUIT, Wagnaghat, Distt. Solan

**Sub: Release of funds against the project proposal "Geological Hazards mitigation using stone concrete block retaining walls"**

Sir,

Your attention is drawn to the discussions held in the coordination meeting held under the Chairmanship of the undersigned, at D.C Office on 23.03.21, and the project proposal submitted by your office on 26/07/20.

In view of the same, this is to inform you that funds have been released from this office for implementation of the project "Geological Hazards mitigation using stone concrete block retaining walls". You are hereby requested to begin the implementation of the project at the earliest and apprise this office about the same.

Yours faithfully

(K. C. Chaman, I.A.S.)  
Deputy Commissioner-cum-Chairman  
DDMA, District Solan (H.P)  
Email: - ddmasolan@gmail.com

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wagnaghat, District Solan (H.P.)





FILE NO. EMR/2016/006094

SCIENCE &amp; ENGINEERING RESEARCH BOARD(SERB)

(a statutory body of the Department of Science &amp; 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: 05-Oct-2017

**ORDER**

Subject: Financial Sanction of the research project titled "Enhancing the thermal stability of Chalcogenide Phase-change materials for switching and memory applications" under the guidance of Dr. Vineet Sharma, Physics and Materials Science, Jaypee University of Information Technology, JUIT-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal pradesh-173234 - 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. 2006950/- (Rs. Twenty Lakh Six Thousand Nine Hundred and Fifty Only) with break-up of Rs. 194900/- under Capital (Non-recurring) head and Rs.1812050/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2006950/- has been approved are given below:  
The following budget may be considered for Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Vacuum pump -> High Precision Laboratory Balance -> Digital Picoammeter -> Digital High Voltage Power Supply -> Digital Pirani vacuum gauge -> D.C. Microvoltmeter -> Manual Hydraulic Press with Die	194900
A'	Total (Non-Recurring)	194900
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - A : ( Manpower, Consumables, Travel, Contingencies)	1629600
2	Recurring - B : (Overhead Charges)	182450
B'	Total (Recurring)	1812050
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>2006950</b>

- Sanction of the SERB is also accorded to the payment of
  - Rs. 194900/- (Rupees One Lakh Ninety Four Thousand Nine Hundred only) under 'Grants for creation of capital assets' and Rs. 604016/- (Rupees Six Lakh Four Thousand and Sixteen only) under 'Grants-in-aid General' to Registrar, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)  
This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Physical Sciences)
- The Sanction has been issued to Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan with the approval of the competent authority under delegated powers on 25 September, 2017 and vide Diary No. SERB/F/6425/2017-2018 dated 03 October, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- 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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 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 release amount of Rs. 798916/- (Rupees Seven Lakh Ninety Eight Thousand Nine Hundred and Sixteen only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology,  
Waknaghat, Distt. Solan (H.P.)





per their Bank details given below:

Account Name	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
Account Number	0427032100000010
Bank Name & Branch	PUNJAB NATIONAL BANK PUNJAB NATIONAL BANK, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, DISTT SOLAN
IFSC/RTGS Code	PUNB0637100
Email id of A/C Holder	registrar@juit.ac.in
Email id of PI	vneetsharma@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

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

13. The project File no. EMR/2016/006094 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

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

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

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

17. 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.

18. 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.

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)  
MS  
nilotpal@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. Vineet Sharma Physics and Materials Science Jaypee University of Information Technology, Juit-waknaghat rd, near dumehar bani, post waknaghat, solan, Solan, Himachal pradesh-173234 Email: vneetsharma@gmail.com Mobile: 919418233083 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> )
5.	Registrar, Jaypee University Of Information Technology, JUIT-Waknaghat Rd, Near Dumehar Bani, Post Waknaghat, Solan  (Receipt of Grant may be intimated by name to the undersigned)

*Nilotpal Ghosh*  
(Dr. Nilotpal Ghosh)  
MS  
nilotpal@serb.gov.in

*Vineet Sharma*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





Directorate of Innovation, Research and Development  
(JUIT Noida, JUIT Waknaghat, JUET Guna & Jaypee University, Ahoopshahr)

DRID/Projects/2022

Dated : 05 April 2022

To,

Prof Sudhir Kumar  
Professor and Head of Dept  
Biotechnology and Bioinformatics, JUIT  
  
Prof Ashish Kumar  
Professor and Head, Dept of Civil Engineering, JU

SUB : SANCTION LETTER

1. As already informed by email, Hon Chancellor has approved your project (w.e.f 1.4.2022) as per the following details.

(a)	Title	:	Pine needles' conversion to biofuel for rural empowerment
(b)	Deliverable for 1st Yr	:	Pinebriquettes formation and characterization of the samples
(c)	Coordinator	:	Prof Sudhir Kumar, Professor and Head of Dept Biotechnology and Bioinformatics, JUIT.
(d)	Co-Coordinator	:	Prof Ashish Kumar Professor and Head, Dept of Civil Engineering, JU
(d)	Approved budget	:	Rs 4.50 Lakh (Equipment)
(e)	Equipments	:	Rs 2.50 Lakh (Manpower & Contingency)
			(i) Microprocessor based Bomb calorimeter
			(ii) Briquette machine, manually operated
			(iii) 20-tonne hydraulic piston press

2. You are requested to immediately take actions towards initiating research activities so that all the deliverable are achieved in time. The actions towards the purchase of equipment must be immediately started and the purchase should be finalized in the first 2 months. All the projects will be reviewed regularly (on completion of each 3 month period).

3. Coordinator are requested to ensure that only the equipment which is not available in the institute may only be purchased.

4. Coordinator may ensure that equipments purchased with these funds are also available for use to other faculty members.

Prof BR Mehta  
Director, DRID

Copy to :-

1. Pro Chancellor
2. VC (JUIT)
3. CFO (JUIT)



*[Handwritten Signature]*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)



**Directorate of Innovation, Research and Development**  
(JIIT Noida, JUIT Waknaghat, JUET Guna & Jaypee University, Anoopshahr)

DRID/Projects/2022

Dated : 05 April 2022

To,

**Prof Ashok Kumar Gupta**  
(Dean A&R), JUIT

**SUB : SANCTION LETTER**

1. As already informed by email, Hon Chancellor has approved your project (w.e.f 1.4.2022) as per the following details.

- (a) Title : Intelligent Evaluation and Rehabilitation of Structures.
- (b) Deliverable for 1st year : (i) Lab prototype of Early landslide detection system and lab - scale model development of stonecrete blocks and helical soil nailed slope.  
(ii). Development of android based GUI for real time information and warning on potential landslide threats.  
(iii) Lab testing of the developed early landslide detection system and landslide protection technique for all weathers.
- (c) Coordinators : Prof Ashok Kumar Gupta (Dean A&R), JUIT
- (d) Co-Coordinators : Prof Vivek Sehgal (HoD, CSE), JUIT
- (e) Approved budget : Rs 35 Lakh (Equipment)  
Rs 3.0 L (Manpower & Contingency)
- (f) Equipments : (i) Accelerometers, gyroscopes, dopple sensors, acoustic sensors, moisture sensors, saturation sensors, ultrasonic sensors, temperature-humidity sensors, programmable development boards, etc.  
(ii) Plaxis 3D, HeliCap, CSI Bundle, MIDAS software, and cloud storage for data synchronization  
(iv) Actuator, LVDTs, strain gauges, pressure cells, deflectometers, water jet etc.  
Stonecrete blocks, prototype helical soil nails.

*B. K. Gupta*



Stonecrete blocks, prototype helical soil nails.

*B. K. Gupta*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)

Contd...2/-



2. You are requested to immediately take actions towards initiating research activities so that all the deliverable are achieved in time. The actions towards the purchase of equipment must be immediately started and the purchase should be finalized in the first 2 months. All the projects will be reviewed regularly (on completion of each 3 month period).
3. Coordinator are requested to ensure that only the equipment which is not available in the institute may only be purchased.
4. Coordinator may ensure that equipments purchased with these funds are also available for use to other faculty members.

*BR Mehta*

**Prof BR Mehta**  
**Director, DRID**

**Copy to :-**

1. **Pro Chancellor**
2. **VC (JUIT)**
3. **CFO (JUIT)**



*S. P. Sharma*

Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Wahnaghat, Distt. Solan (H.P.)



Band



# Indian-Non Judicial Stamp Haryana Government



Date : 25/11/2021

Certificate No. GDY2021K379



Stamp Duty Paid ₹ 101

GRN No. 84459359



Penalty ₹ 0

## Deponent

Name Mitsubishi Electric India pvt ltd

H.No/Floor : Na

Sector/Ward : Na

Landmark : Na

City/Village : Gurugram

District : Gurugram

State : Haryana

Phone : 98\*\*\*\*\*62



Purpose : AGREEMENT OR AFFIDAVIT to be submitted at Concerned office

The authenticity of this document can be verified by scanning this QrCode Through smart phone or on the website <https://egrashry.nic.in>

## AGREEMENT

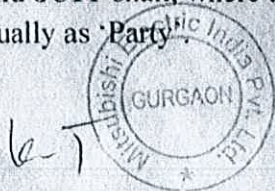
THIS AGREEMENT is made on \_\_\_\_\_, between

**Mitsubishi Electric India Private Limited**, a Company incorporated under companies act, 1956, having its Head Office at Global Gateway Tower A, 3rd Floor, MG Road, Near Guru Dronacharya Metro Station Gurgaon, Haryana, 122002 and Registered Office at B1/G3, 4<sup>th</sup> Floor, Mohan Cooperative Industrial Area, Mathura Road, New Delhi-110044.(hereinafter referred to as **MEI** which expression shall unless repugnant to the context and meaning thereof be deemed to mean and include its successors and assigns) of the one part.

AND

**Jaypee University of Information Technology** having its Office at P.O. - Wagnaghat Distt: Solan (H.P.) Pin - 173 234 and hereinafter referred to as "**JUIT**" (which expression unless repugnant to the context shall mean and include its successors and assigns) of the OTHER PART;

**MEI and JUIT** shall, where the context so requires, be referred to jointly as "Parties" or individually as "Party"



Wagnaghat, Distt. Solan (H.P.)

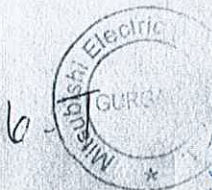


WHEREAS MEI has decided to initiate collaboration with educational institutes to spread awareness about automation amongst young Indian engineers and contribute to the Indian market through its products and technologies.

WHEREAS it is agreed between the parties that MEI will give Mitsubishi FA Training Equipment as per specifications and features given in **Annexure I** (hereinafter referred to as 'Equipment') to **JUIT** for demonstration, learning & training purposes under the following terms and conditions:

NOW THEREFORE THIS AGREEMENT WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. MEI will supply Equipment with all accessories/attachment amounting to Rs. **23,32,200.00** (Rs. Twenty Three Lacs Thirty Two Thousand Two Hundred only) without any consideration. The specification and scope of training equipment is given in **Annexure I**.
2. **MEI** will provide necessary programming software for simulation / programming of training equipment. It is agreed that the software will be strictly used only for student training, learning / demonstration within the premises of the **JUIT**. The institute is not allowed to make copy or circulate this software without written consent from **MEI**.
3. **Confidentiality**
  - 3.1 Any and all provisions of this AGREEMENT shall be treated by both parties as confidential and will be disclosed to students, **JUIT** designated staff and representatives of either party only on "need to know" basis and to the extent necessary for the performance of this AGREEMENT. **JUIT** shall not disclose any of the provisions of this AGREEMENT to any third party without the prior written consent of **MEI**.
  - 3.2 **JUIT** shall maintain confidential any and all business and technical information furnished to **MEI** under this AGREEMENT (hereinafter referred to as "Confidential Information"). **JUIT** shall not, without the prior written consent of, in any manner whatsoever disclose or communicate to any third party any Confidential Information, and **MEI** shall exert its reasonable efforts to prevent the unauthorized disclosure, communication, or use of such Confidential Information.



  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)

2



Waknaghat, Distt. Solan (H.P.)



3.3 In the event that the disclosure of Confidential Information is required by court order, **JUIT** shall promptly notify MEI of such court order in which disclosure is sought. In the event that it is unable to obtain a protective order, then **JUIT** shall disclose such portion of Confidential Information that is legally required to disclose, provided, however, that it shall use its best efforts to ensure that such Confidential Information will be treated as confidential.

3.4 **JUIT** shall use Confidential Information only for the purpose of this AGREEMENT. Upon the expiration of Term or termination of this AGREEMENT, or upon MEI request, whichever is sooner, **JUIT** shall immediately cease all use of Confidential Information and shall, within two (2) weeks thereafter, return to MEI or destroy all Confidential Information in its possession subject to MEI instruction.

4. **JUIT** will not make any payment to **MEI** for the training Equipment, it is understood that **MEI** has voluntarily come forward to place its Equipment at **JUIT** to facilitate the institute for conducting training to the students.

5. The Equipment will be placed at **JUIT** for duration mentioned in Cl. No. 16. The dedicated space / section for Equipment will be provided by the College and MEI contribution will be displayed at respective equipment /dedicated space.

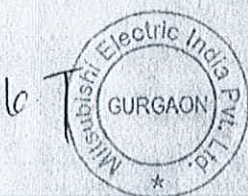
6. The Equipment will be delivered, installed and commissioned at **JUIT** by **MEI**.

7. **MEI** will continue to retain full title to the equipment while it is at premises at **JUIT**

8. The operation, maintenance and upkeep of the equipment in good condition will be the responsibility of **JUIT**

9. **JUIT** will designate qualified staff to operate the equipment for training and demonstration purposes.

10. **JUIT** will be responsible for the proper and safe operation of the equipment

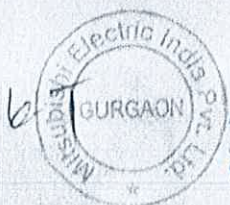



*[Signature]*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)





11. Any equipment failures/repairs/spare parts shall be set right or replaced free of cost, by MEI's Servicing Department. However if during servicing, it appears that such failure / damage occurred directly on account of wrong usage / mishandling by any Student / faculty member of **JUIT**. All cost shall be borne by **JUIT** **MEI shall report with reasons along with estimated cost to JUIT for further necessary instructions. The necessary parts / Equipment shall be provided by MEI only against payment of estimated cost from JUIT.** The College shall ensure that the equipment installed at the premises shall not be used for any unlawful or prohibited purpose.
12. **JUIT** shall take the comprehensive insurance coverage for the said equipment at its own costs to cover the accidental damage from fire, burglary, etc. if happened within the premises of **JUIT** and shall indemnify MEI the cost of such equipment's.
13. **JUIT** acknowledges that this Agreement does not grant any right or title of ownership to **JUIT** in MEI's intellectual property unless specifically provided in this Agreement. **JUIT** shall not use MEI's or its affiliates' or Group Companies' Corporate name, trade-marks, emblems, specification, designs, models or logo without MEI's prior written consent. All or any intellectual property rights in the Software, products, design and or campaign shall at all times remain the property of Mitsubishi Electric Group Companies and **JUIT** shall have no claims on the same under any circumstances whatsoever and vice a versa.
14. Logos of **MEI** will be included on all programs handouts / catalogues where in this equipment is directly / indirectly utilized, acknowledging **MEI's** sponsorship of the facility, by **JUIT** subject to **JUIT** shall before imprinting the Logo of MEI on any handouts / catalogues take prior approval, to comply with MEI corporate logo guidelines.
15. Contribution of the equipment will be acknowledged through display boards at the respective equipment by **JUIT**
16. This agreement is valid **From 1<sup>st</sup> Mar 2022 to 31<sup>st</sup> Mar 2023.** After completion of MoU duration or earlier termination of this agreement **JUIT** the equipment will be returned to **MEI** in good working condition considering the standard technical depreciation which may take place during the period due to usage. **MEI** may consider extending the period/replacing it with different equipment for a further period by mutual agreement



  
Assistant Registrar (Academics) 4  
Jaypee University of Information Technology  
Waknaghat, Distt. Sonbhadra (H.P.)





Upon breach of any of the terms and conditions by the **JUIT** or misuse of any confidential information / MEI logo with any external or third party, MEI may terminate this MOU with immediate effect by giving notice without giving any reasons. However, upon termination or earlier termination of MOU, clause 3 of said agreement shall continue to survive for a period of One year from the date of termination and **JUIT** requires to comply with the same.

17. All disputes, controversies or differences arising out of or relating to or in connection with this Agreement, or the breach thereof, shall be finally settled by arbitration in accordance with Arbitration and Conciliation Act, 1996 or any subsequent amendment made thereon the rules made thereunder. The award shall be final and binding upon both the parties and the language of the arbitration shall be in English. The award rendered by the arbitrators shall be final and binding upon the parties hereto.
18. This Agreement shall be construed in accordance with the laws in India, and shall be subject to the exclusive jurisdiction of the courts at **Delhi** in respect of any dispute or differences arising out of or in connection with the subject matter of this Agreement.

#### 19. FORCE MAJEURE:

Neither **JUIT** nor **MEI** shall be liable for any damage or loss suffered by the other on account of the happening of any event which the said parties are unable to avoid and over which they have no control and which prevents the said parties from executing their contractual obligations, such events being, but not limited to war, civil commotions, strikes, natural catastrophes, embargo, Acts of God, etc.

#### 20. Conflict of Interest

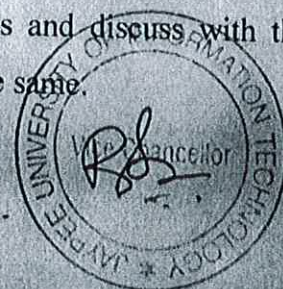
**JUIT** has not any relationship with any employee of Company or their family members or friend and not aware of any conflict of interest between its duties to the Company or between the **JUIT** and Company Interest. In the event that any conflict arises or in the event of any material change in the information, **JUIT** will notify in writing to the Company of such circumstances and discuss with the Company in the manner in which it proposes to address the same.



*Signature*

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Assistant Registrar (Academic)  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (Ct. H)

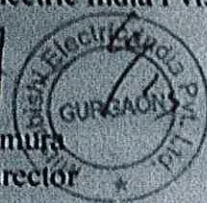




IN WITNESS WHEREOF, the parties hereto have caused these presents to be duly executed the day and the year first above written.

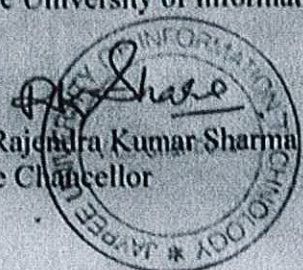
For  
Mitsubishi Electric India Pvt. Ltd.

  
Kazuhiko Tamura  
Managing Director



For  
Jaypee University of Information Technology

  
Dr. Rajendra Kumar Sharma  
Vice Chancellor




WITNESSES:

MEI Side

1.

JUIT Side

1.

  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)





**Annexure I** to the agreement between MEI and JUIT dated \_\_\_\_\_

**Specifications and features of iQ-R Training Setup:**

**A iQ-R Training Set up**

No.	Product name	Model	Quantity /set	Set Price (INR)
1	Base rack - 8 slots	R38B	1	11,16,600.00
2	Power supply for PLC	R61P	1	
3	PLC CPU with 40K Steps memory	R04CPU	1	
4	2 GB memory card	NZ1MEM-2GBSD	1	
5	Simple Motion Module for 4 axis	RD77MS4	1	
6	Dual network module: Ethernet & CC-Link IE	RJ71EN71	1	
7	Digital input module with 32 I/P, sink /source and high speed	RX41C4	1	
8	Digital output module, Transistor output Source type, 32 points	RY41PTIP	1	
9	4 channel Analog Output Module	R60DA4	1	
10	4 channel Analog Input, Module	R60AD4	1	
11	Servo amplifier for three axis, 400W each	MR-J4W3-444B	1	
12	Encoder cable for servo motor	MR-J3ENCBL2M-A2-H	3	
13	Power cable for servo motor	MR-PWS1CBL2M-A2-H	3	
14	Battery Case	MR-BT6VCASE	1	
15	Battery for servo amplifier	MR-BAT6V1	2	
16	Battery Cable	MR-BT6V1CBL03M	1	
17	SSCNET cable	MR-J3BUS1M	1	
18	Servo motor 400 W	HG-KR43	3	
19	A800 series inverter 400W	FR-A820-0.4K-1	1	
20	CC-Link IE Field Card for Inverter	FR-A8NCE	1	
21	8.4" Screen HMI - GT200 series	GT2308-VTBA	1	
22	Connector	A6CON1	3	
23	I/O simulator and X-Y table setup & Induction Motor setup	I/O simulator	1	

**B Total Cost of Offering**

No.	Item	Model	Quantity	Set Price	Total (INR)
1	iQR Training Set up - Part A		2	11,16,600.00	22,33,200.00
2	iQ Works Programming Software	SWIDNDIND-IQWK-E	1	99,000.00	99,000.00
<b>Grand Total of Offering</b>					<b>23,32,200.00</b>

(In words Rs. Twenty Three Lacs Thirty Two Thousand Two Hundred only)

For  
Mitsubishi Electric India Pvt. Ltd.

For  
Jaypee University of Information Technology

Kazuhiko Tamura  
Managing Director

Dr. Rajendra Kumar Sharma  
Vice Chancellor







**AYURVET  
LIMITED**

Village Katha, P.O. Baddi-173 205,  
Tehsil Nalagarh, Distt. Solan (H.P.), INDIA  
Tel : 01795 - 247746, 247998  
Telefax : 01795-247690 : www.ayurved.com



I-1-11

**TO WHOM SO EVER IT MAY CONCERN**

This is to acknowledge that we have sponsored a project titled "Development of technologies for bioconversion of lignocellulosic waste from herbal industries in to commercially viable products". Dr. Sudhir Kumar of Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology was the Principal Investigator of this project.

Dr. Sudhir Kumar and his team worked on development of suitable methods for bioconversion of herbal waste to value added products. Herbal waste could be used in production of biogas and optimization of parameters influencing the biogas generation are still ongoing in their campus and a prototype of biogas plant is also fabricated and installed in the Ayurved campus in Baddi.

Herbal waste was used for the production of commercial enzymes - cellulase and pectinase and a joint patent regarding this is in final stages of its draft. Research Scholar of the project also did studies on use of herbal waste for the production of bioethanol. Development of vermicompost using herbal waste was another aspect of the project and this technology was appreciated and published by a peer review international journal.

I wish success to the team of Dr. Sudhir Kumar for his future endeavors.

Regards,

(K. Das Kanth)  
Unit Head

Assistant Professor  
Jaypee University of Information Technology  
Waknaghat, Distt. Solan (H.P.)







**INTELLECTUAL  
PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

पेटेंट कार्यालय  
THE PATENT OFFICE

पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 74 Of The Patents Rules)

क्रमांक : 011109975  
SL No :



पेटेंट सं. / Patent No. : 304824  
आवेदन सं. / Application No. : 139/DEL/2011  
फाइल करने की तारीख / Date of Filing : 20/01/2011  
पेटेंटी / Patentee : 1.DEPTT OF BIOTECHNOLOGY AND BIOINFORMATICS,  
JAYPEE UNIVERSITY OF INFORMATION  
TECHNOLOGY, WAKNAGHAT 2.AYURVET LIMITED

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "PROCESS FOR PRODUCTION OF CELLULASE AND PECTINASE FROM HERBAL INDUSTRY RESIDUE" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 20th day of January 2011 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "PROCESS FOR PRODUCTION OF CELLULASE AND PECTINASE FROM HERBAL INDUSTRY RESIDUE" as disclosed in the above mentioned application for the term of 20 years from the 20th day of January 2011 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 21/12/2018  
Date of Grant :

*[Signature]*  
Assistant Registrar (Academics)  
Jaypee University of Information Technology  
Waknaghat, Dist. Solan (H.P.)



*[Signature]*  
पेटेंट नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 20th day of January 2013 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।  
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 20th day of January 2013 and on the same day in every year thereafter.