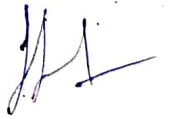


B2.6. Sponsored Research/Consultancy (2020-21, 2021-22, 2022,23)

(II) Details after evaluation (till the date of Compliance Report) (38,75,600=22,00,000 + 16,75,600)

Research Project by Mechanical Engineering Department

Name of the Faculty	Project Title	Project Type Research/Consultancy	Funding Agency	Amount	Duration
Dr. Rajesh Kumar	Development of Fault Identification System for Water Turbine Making Use of Vibration Signal and Artificial Intelligence	Research	AICTE New Delhi	17,00,000	2019-2022
Dr. Yogesh Verma	Semi-Analytical Scrutiny of Partially Submerged Rectangular Plate Mode Shapes Through Eigenvector with Experimental Validation	Research	GIA, SLIET	5,00,000/-	2022-2023
Total				22,00,000/-	




HEAD


Department of Mechanical Engineering
Sant Longowal Institute of Engineer & Technology
LONGOWAL-148106, Distt. Sangrur (Punjab)
(Established by Govt. of India, Deemed University)

B2.6. Sponsored Research/Consultancy (2017-2020)**(I) Details as provided in the SAR previously**

Name of the Faculty	Project Title	Project Type Research/Consultancy	Funding Agency	Amount (Rs.)	Duration
Dr. Rajesh Kumar	Development of Fault Identification System for Water Turbine Making Use of Vibration Signal and Artificial Intelligence	Research	AICTE New Delhi	17,00,000/-	2019-2022
Mr. Surinder Kumar	Tribological investigation of synthesized nanoparticles based composite lubricant	Research	TEQIP III	1,00,000/-	2019-20
Dr. Vivek Kumar	Development of smart system for monitoring of surface roughness in turning process	Research	TEQIP III	2,10,000/-	2019-20
Total				20,10,000/-	

HEAD


Department of Mechanical Engineering
Sant Longowal Institute of Engineering & Technology
LONGOWAL-148106, Distt. Longowal (Punjab)
(Established by Govt. of India, Deemed University)



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070,

Ref. No.: File No. 8-29 /RIFD/RPS-NDF/Polcy-1/2018-19

Date: 11 March 2019

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg,
Vasant Kunj, New Delhi-110070.

Sub: Release of a sum of Rs. 1680000/- being the 1st installment of the total grant of Rs. 1700000/- for conduct of Project under Research Promotion Scheme for Research Centres under National Doctoral Fellowship (RPS-NDF) during the financial year 2018-19.

Sir,

This is to convey the sanction of the Council for payment of Rs. 1680000/- (Rupees Sixteen Lakh Eighty Thousand Only) as 1st installment out of a total approved grant-in-aid of Rs. 1700000/- for conduct of a Project under the Research Promotion Scheme For Research Centres under National Doctoral Fellowship (RPS-NDF), as per details given below:-

- I Name and address of the Beneficiary : DIRECTOR / REGISTRAR / PRINCIPAL
Institution : SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY Longowal – 148106, Distt. Sangrur PUNJAB
(University / College / Institution)
- II Principal Investigator's Name & : DR. RAJESH KUMAR
Dept./Course : MECHANICAL ENGINEERING
- III Grant-in-aid Sanctioned : Rs. 1700000/- (Rs. 1500000/- for non-recurring and ,Rs. 200000/- for recurring expenditure)
- IV Grant-in-aid Released as 1st installment : Rs. 1680000/- [(Rs1500000/- Full amount of non-recurring) +
during the year 2018-19 (Rs. 180000/-90 % of recurring sanctioned)]
- V Duration : 3 Years
- VI Title of the Project : DEVELOPMENT OF FAULT IDENTIFICATION SYSTEM FOR WATER TURBINE MAKINGUSE OF VIBRATION SIGNAL AND ARTIFICIAL INTELLIGENCE

Terms and conditions

I. General:

- 1) The sanctioned grant-in-aid is debitible to the major "601.1(a) (RPS)" Gen. and is valid for payment during the financial year 2018-19.
- 2) The grant-in-aid shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar/Director/Principal of SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, Longowal – 148106, Distt. Sangrur, PUNJAB through RTGS/PMFS.
- 3) The grantee Institution shall open a separate account in a Bank to keep and maintain grant-in-aid released under Research Promotion Scheme. This would enable to keep a track of funds received, drawn by the Institute, interest earned.
- 4) The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
- 5) The Principal and PI of the institute are requested to verify the correctness of the under mentioned bank account/RTGS/PFMS details submitted by them along with the Proposal, in which the grant is being released. In case of any omission/deletion, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute No.	PAN	Bank Name	Bank Branch	Bank Address	Branch	Account Holder Name	Account Type	Account Number	IFSC Code
AAAAL6685R		Central Bank of India	SLIET Campus Longowal (3105)	SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, Longowal, Sangrur Pin-148106		Director, SLIET, Longowal	Saving/ Current	1688335346	CBIN0283105

Contd.pg 2/-

II. Disbursement of grant-in-aid to the Institute

- 6) First installment comprising 100% of the non-recurring grant with 90% of sanctioned recurring grant is being released with this letter. The remaining 10% of the recurring grant shall be reimbursed to the beneficiary Institute only after Institute has submitted all the mandatory documents for each financial year (details given below) and submitted Project Completion Report in AICTE prescribed formats and other documents and on verification of utilization of grant Head-wise.

III. Utilization of grant-in-aid

- 7) The date of receipt of the grant by Institute shall be taken as the date of commencement of the project. The Registrar/Director/Principal of the Institute shall intimate receipt of the grant to AICTE. If the Institute/ PI do not take-up the project work within 6 months of the receipt of the grant, approval shall *ipso facto* lapse and the Institute shall become liable to refund the entire grant to AICTE along with interest.
- 8) Any Expenditure, incurred prior to issuance of this Sanction Order, is not allowed to be adjusted. The institute/University shall not charge any overheads on this Project and will provide all the administrative support and timely release of grant to PI for completion of the Project.
- 9) The grantee shall utilize grants strictly for the purpose as specified and only on approved items as mentioned in the Sanction letter and maintain proper accounts of expenditure as per norms / procedures of AICTE / Government of India.
- 10) Grantee institution must follow GFR guidelines and rules in procuring sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets by the Institute in the prescribed form i.e. GFR-19. GOI GFR rules are at <https://doe.gov.in/order-circular/general-financial-rules2017-18>).
- 11) Re-appropriation of funds from one Head to another i.e. from Non-recurring to recurring and vice versa is strictly not permitted.
- 12) The equipment(s)/item(s) purchased from out of non-recurring should be as per the specifications and individual item-wise costs sanctioned by AICTE. Item-wise purchase cost shall be matched with the sanctioned cost while settling the accounts. The purchase cost below the sanction cost shall be restricted to actual cost, and in vice versa restricted to sanctioned cost and over and above cost shall be met by the Institute from its own resources.
- 13) Similarly, the recurring grant shall be utilized for the items sanctioned by the AICTE. This should not be used for travel abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference within the country, the travel expenses may be met from the recurring grant. Further, expenditure incurred towards hiring of staff on contract basis shall be considered only if the same was recommended by the Experts and approved by AICTE. No budget be utilized for hiring permanent staff.
- 14) Interest accrued on the sanctioned grant-in-aid will be reported and refunded back to AICTE and not adjusted against the subsequent second installment. Similarly, unspent amount should also be refunded. Both should be refunded to AICTE through a demand draft in favour of 'Member Secretary AICTE' payable at New Delhi.

IV. Submission of mandatory documents by the Institute / PI:

- 15) The following documents, in the prescribed format, are required to be submitted to AICTE by the PI/Institute, as per time schedule given below: -

- i) **Acknowledgement of receipt of grant and letter of acceptance of terms and conditions.**
- ii) **Documents to be submitted within one month of completion of each financial year.**
 - a) Annual Progress Report, indicating there in the number of patents, publications or any other achievement.
 - b) Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
 - c) Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
 - d) Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
 - e) Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of Institution.
- iii) **Documents to be submitted within two month of completion of the Project.**
 - a) Consolidated Utilization Certificate (UC), duly audited.
 - b) Duly audited statement of expenditure mentioning Head-wise break up of expenditure made from the grant-in-aid provided by the Council.
 - c) Project Completion Report duly signed & stamped by PI & Head of the institution with PEC recommendation.
 - d) Feedback form in AICTE format.

*Prescribed formats of mandatory documents may be downloaded from www.aicte-india.org/schemes/research-innovations-development-schemes.

Contd. pg3/-

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj
New Delhi-110070

Ref. No.: 8-29/RIFD/RPS-NDF/POLICY-1/2018-19


Name of the Principal Investigator & Dept./Course : DR. RAJESH KUMAR
MECHANICAL ENGINEERING

Name of the Institution : SANT LONGOWAL INSTITUTE OF ENGINEERING
AND TECHNOLOGY
Longowal – 148106, Distt. Sangrur PUNJAB

Title of the Project : DEVELOPMENT OF FAULT IDENTIFICATION
SYSTEM FOR WATER TURBINE MAKING USE OF
VIBRATION SIGNAL AND ARTIFICIAL
INTELLIGENCE

Approved Items of Expenditure (Non-Recurring)

Sl. No.	Approved Items (As per recommendation of Expert Committee)	No. of Units	Amt. Recommended
1	Test rig of Francis turbine	1	1500000
2	Test rig of pelton turbine	1	
3	Centrifugal pump test rig	1	
4	Uni-axial accelerometer	1	
5	Tri-axial accelerometer	1	
6	Acoustic transducer	2	
7	DAQ system	1	
8	Tachometer	1	
9	Portable particle counter	1	
10	LabVIEW	3	
11	Pressure sensor	1	
12	Torque sensor	1	
		Total	1500000


(Dileep N Malkhede)
Advisor (RIFD)

19 MAR 2019

V. Request for Recast / Additional grant

- 16) No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
- 17) In case the grantee wishes to recast the Project, approval of Council must be obtained for the revise item of expenditure. The revise proposal should be within the total grant sanctioned by AICTE and duly supported with reasons and recommendations of the Project Evaluation Committee.

VI. Constitution of Project Evaluation Committee

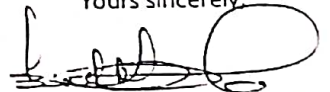
- 18) a) The Institute must constitute a Project Evaluation Committee in the manner and for the purpose as defined in the RPS guidelines. PEC must regularly vouch progress of RPS-NDF project as also make recommendation etc. in APRs and PCR furnished by the Institute / PI.
b) Mid-term review of project will be done by AICTE.

VII. Others:

- 19) The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
- 20) RPS-NDF project must be completed within the sanctioned time-limit. No extension shall be granted otherwise recommended by the PEC and approved by AICTE. Expenditure incurred beyond the project period shall not be entertained and claims shall accordingly be settled.
- 21) For all other issues including issues concerning change of PI or Institute etc., the grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.
- 22) The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
- 23) The institute should strictly observe all the terms & conditions contained in the Scheme details under RPS-NDF 2017-18.

VIII. List of approved equipment: As per Annexure-1

Yours sincerely,


(Dileep N. Malkhede)
Advisor (RIFD)

18 MAR 2019

Copy forwarded for information and necessary action to:

1. Registrar / Director / Principal,
SANT LONGOWAL INSTITUTE OF ENGINEERING
AND TECHNOLOGY, Longowal – 148106, Distt.
Sangrur PUNJAB
2. DR. RAJESH KUMAR,
MECHANICAL ENGINEERING
SANT LONGOWAL INSTITUTE OF ENGINEERING
AND TECHNOLOGY, Longowal – 148106, Distt.
Sangrur PUNJAB
3. OFFICE OF DIRECTOR GENERAL OF AUDIT
GENERAL REVENUES, AGCR BUILDING
I.P. ESTATE, NEW DELHI-110002.
4. Guard File



Sant Longowal Institute of Engineering & Technology
(Deemed to be University, Established by Government of India)
Longowal, District- Sangrur, Punjab- 148 106
Office of Dean (Research & Consultancy)

Ref. No. SLIET/Dean/(R&C)/2023/104

Dated: 25/05/2023

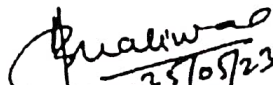
OFFICE ORDER

Subject: Sanction of Research Promotion grant as seed money to the newly recruited faculty members.

As per terms and conditions contained in Office order bearing Ref. No. SLIET/Admn/4371-4374 dated: 12/10/2022, sanction of Competent Authority for Research Promotion Grant (RPG) as seed money is hereby communicated to the following newly recruited faculty members,

S. No.	Name of Faculty/ PI	Deptt.	Title of Project	Duration
1.	Dr. Jagdeep Singh	CSE	Design a machine learning- based framework for detecting malicious traffic in wireless networks	2- Year
2.	Dr. Tajinder Singh	CSE	TDA-Deep Learning for Threat, Derogation, and Animosity Detection in Social Media	2- Year
3.	Dr. Amar Nath	CSE	IoT and Artificial Intelligence Enabled Solution for Precision Agriculture	2- Year
4.	Dr. Utkarsh	CSE	Identifying Ethnically and Racially Discriminating Content on Social Network	2- Year
5.	Dr. Rishabh Verma	EIE	Campus Energy Surveillance and Data Acquisition System	2- Year
6.	Dr. Jaspreet Singh	EIE	Development of Low-Cost Thermal Imaging Framework for Biomedical Applications	2- Year
7.	Dr. Kundan Kumar	ECE	Design and Fabrication of Self-Multiplexing Circularly Polarized Antenna using Substrate Integrated Waveguide Technology for 5G and IoT Wireless Systems	2- Year
8.	Dr. Yogesh Verma	ME	Semi-Analytical Scrutiny of Partially Submerged Rectangular Plate Mode Shapes Through Eigenvector with Experimental Validation	2- Year
9.	Dr. Sudhir Kumar	Maths	B-Spline Based Algorithms for Hyperbolic Partial Differential Equations	2- Year
10.	Er. Ashwani Kumar	FET	Development and Characterization of Oleogel Based Functional Fat Spread	2- Year

1. Sanction of the grant is subject to the terms and conditions as contained in Office order bearing Ref. No. SLIET/Admn/4371-4374 dated: 12/10/2022.
2. The total sanction amount to an individual faculty may not exceed Rs. 5.00 Lac under head OH- 35 and OH- 31, in view of the requirement of individual faculty members for carrying out the research and further subject to a maximum sanction of Rs. 40.00 Lac under head OH- 35 and Rs. 10.00 Lac under head OH- 31 as seed money to all these 10 newly recruited faculty members.
3. PIs of above said research projects are responsible for maintaining of original files for their sanctioned projects.
4. Stock entry of materials/ items purchased for the sanctioned project (s) be recorded at the level of department as well as in the Central Store.


(Prof. A.S. Dhaliwal)
Dean (R&C)

Copy to

1. Director
2. Registrar
3. Concerned HODs
4. Concerned PIs
5. DR (A&A)
6. FI (ACSS)
7. File copy

Progress



Sant Longowal Institute of Engineering & Technology
(Deemed to be University, Established by Government of India)
Longowal, District- Sangrur, Punjab- 148 106
Office of Dean (Research & Consultancy)

Ref. No. SLIET/Dean/(R&C)/2023/382


Dated: 31/10/2023

Through Email

NOTICE

As per Office Order bearing Ref. No. SLIET/Dean (R&C)/2023/104 dated: 25/05/2023, Research Promotion granted as seed money was sanctioned to 10 No. newly recruited faculty members. Further, follow-up meeting about progress of their research projects was conducted on 26/10/2023 in the Office of Dean (R&C). It is requested to all the concerned faculty members to immediately procure the equipments under granted seed money as per already submitted project proposals.

Concerned, HODs are also requested to motivate the concerned faculty members to procure/submit the requirement of equipments up to 6th November, 2023 positively.


(Prof. Surinder Singh)
Dean (R&C)

Copy to:

1. Director Cell for kind information.
2. Dean (P&D) for kind information.
3. Concerned HODs (CSE, EIE, ECE, Mech.Engg., Maths & FET) for information and circulation pl.
4. File copy.