



**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)  
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)

**MODROB - Sanction Letter**

F.No.9-196/IDC/MODROB/Policy-1/2019-20

Date: 20.07.2020

To

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.434980/- (Rupees Four Lakh ThirtyFour Thousand Nine Hundred Eighty Only)** being the 1<sup>st</sup> installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2020-21**- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.543725/- (Rupees Five Lakh FourtyThree Thousand Seven Hundred TwentyFive Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, <b>KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY, THOLURPATTI, THOTTIAM</b>		
2.	Title of Project:	MODERNIZATION OF EMBEDDED SYSTEM LABORATORY BASED ON INTERNET OF THINGS IN REAL TIME APPLICATIONS		
3.	Name of Coordinator:	Dr. ASOKAN R		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	<b>Total:</b> Rs.543725/-	Non-Recurring (85%): Rs.462166/-	Recurring (15%): Rs.81558/-
5.	Amount to be released during the year 2020-21:	<b>1<sup>st</sup> Installment</b> Rs.434980/-	Non-Recurring (85%): Rs.369733/-	Recurring (15%): Rs.65247/-
6.	Sanctioned grant-in-aid is debatable to:	<b>Major Head 601.18(a) Gen. (Plan Head)</b>		

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

**The instructions/guidelines to be followed by University/Institution**

**1. Release of funds**

- a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

F.No.9-196/IDC/MODROB/Policy-1/2019-20

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AABTK2646K	INDIAN BANK	INDIAN BANK MEIKKALNAICKENPATTI	MEIKKALNAICK ENPATTI ,THALAMALAIPATTI POST,MUSIRI TALUK,TRICHY DISTRICT,TAMIL NADU	THE PRINCIPAL	Saving Account	6098615995	IDIB00M120

In case of any omission the same should be reported to AICTE immediately.

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

## II. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-196/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- d. The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

## III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- a. If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.

- d. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.
- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

#### IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
  - (i) Principal/Director/Registrar of the Institution(Chairperson)
  - (ii) Coordinator of the project (Member Secretary),
  - (iii) Two HODs and one subject expert(Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

#### V. General instructions

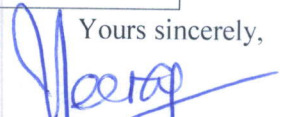
- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.

- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- e. The assets acquired wholly or substantially out of 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 AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

**List of Equipment's approved:**


Name of Equipments
IoT Enabled Development Board
Grove Starter Kit for Particle Mesh
CrossWorks Software for ARM MCUs
Robotics Systems Learning Kit
Educational BoosterPack
Audio Signal Processing BoosterPack
GSM + GPS location tracker
IoT Sensors Modules
Mobile App
TIVA C LaunchPad
MSP432
SimpleLink
SimpleLink Wi-Fi BoosterPack
Mesh Wi-Fi Bundle
Boron 2G/3G Kit
SenSor Hub BoosterPack
BoosterPack
Particle Maker Kit

Yours sincerely,

  
**Dr. Neeraj Saxena**  
 Advisor - II (IDC)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator,**  
 Dr. ASOKAN R  
 KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY,  
 THOLURPATTI, THOTTIAM
2. **The Registrar / Director / Principal,**  
**Name and Address of the Coordinator,**  
 Dr. ASOKAN R  
 KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY,  
 THOLURPATTI, THOTTIAM
3. **Guard File**

  
**Dr. Neeraj Saxena**  
 Advisor - II (IDC)



Ref. No. NB.TNRO/FSDD /2063 /FSPF.021/2020/ 2019-20

30 December 2019

The Director  
Kongunadu College of Engineering and Technology  
Tholurpatti (P.O.), Thottiam – T.K.  
**Tiruchirappalli – 621 215.**

Dear Sir,

**Grant under Farm Sector Promotion Fund - Sanction for “Intelligent Farm Security System to avoid the Crop Damage from the Wild Animals using Animal Sound” in Tiruchirappalli district**

Please refer to your application No.KNCET/EEE/Engg./2019-2020/RD-01 dated 04 June 2019 for sanction of grant assistance from NABARD, out of Farm Sector Promotion Fund (FSPF) for “Intelligent Farm Security System to avoid the Crop Damage from the Wild Animals using Animal Sound” in Tiruchirappalli district.

We are pleased to inform you that NABARD has sanctioned Grant assistance for implementing the above programme as indicated hereunder:

Sl.No.	Particulars	Details
i	Programme	<b>Intelligent Farm Security System to avoid the Crop Damage from the Wild Animals using Animal Sound”</b>
ii	Geographical location /spread Location of Project/Programme	6 Puliyancholai Villages in Thuraiyur Block of Trichy District
iii	Total Financial Outlay (TFO) (Revised)	₹ 9,08,500/- (₹ Nine Lakh Eight Thousand Five Hundred Only)
iv	Grant from NABARD	₹ 3,01,500/- (₹ Three Lakh One Thousand Five Hundred Only)
v	Contribution by the Agency / Institute/Beneficiary /Others	₹ 6,07,000/- (₹ Six Lakh Seven Thousand Only)
vi	Disbursement of Grant	The assistance will be released in suitable instalments, viz. 20% on constitution and submission of minutes of the first Project Monitoring Committee (PMC) Meeting and its recommendations before commencement of the project/ programme, 60% during the course of implementation (in suitable instalments as per needs) and 20% on completion of the project/ programme.

राष्ट्रीय कृषि और ग्रामीण विकास बैंक

National Bank for Agriculture and Rural Development

तमिल नाडु क्षेत्रीय कार्यालय

48, महात्मा गाँधी रोड, पोस्ट बॉक्स संख्या.6074, नुंगम्बाक्कम, चेन्नई-600034. • टेली: +91 44 28304444 • फ़ैक्स: +91 44 28275732 • ई-मेल: chennai@nabard.org

Tamil Nadu Regional Office

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2. The sanction is subject to the acceptance of :-
  - a) the Programme/ project deliverables as set out in **Annexure I** to this letter;
  - b) General Terms and Conditions (GTC) applicable to grants out of Farm Sector Promotion Fund (FSPF) as set out in **Annexure II** to this letter;
  - c) All the covenants as contained in Grant Agreement(s) and other documents; and
  - d) Such other terms and conditions as may be stipulated by NABARD (FSPF guidelines) from time to time.
3. As a token of acceptance of the above Terms and Conditions, the Agency shall return to NABARD duplicate copy of this Sanction Letter along with **Annexures I to VIII** enclosed thereto, signed by the Authorized Signatory of the PIA and countersigned by the Key person of the PIA.
4. All the Banking transactions, payments made and received in respect of Programme sanctioned for Grant Assistance, including grants released by NABARD, shall be carried out by the Agency in the Savings Bank / current account / Trust and Retention account opened in a bank as acceptable to NABARD.
5. This communication shall not be construed as giving rise to any binding obligation on the part of NABARD unless the Agency communicates in writing its acceptance of terms and conditions of sanction of this Grant to NABARD in the manner stated in the clauses (2) and (3) of this Sanction Letter, within a week / before commencement of the programme from the date of receipt of this letter or such further time as may be allowed by NABARD in its absolute discretion.
6. Please acknowledge receipt of this letter.

Yours faithfully

**(Dr. Bangaru Giri)**

Assistant General Manager

**ENCLOSURES:**

- |                  |   |
|------------------|---|
| 1. Annexure -I   | Project/Programme Deliverables (Part I to V)  |
| 2. Annexure- II  | Terms and Conditions of Sanction  |
| 3. Annexure-III  | Letter of Undertaking<br>(to be executed by the agency in Non-Judicial Stamp Paper) |
| 4. Annexure-IV   | Memorandum of Agreement ( Non-Judicial Stamp Paper)                                 |
| 5. Annexure-V    | Delivery Letter to DPN (to be submitted in Agency's Letter Head)                    |
| 6. Annexure-VI   | Demand Promissory Note - Format   |
| 7. Annexure-VII  | Financial details of the Project  |
| 8. Annexure VIII | Activities & Timelines  |



**KONGUNADU COLLEGE OF ENGINEERING & TECHNOLOGY  
THOTTIYAM, TRICHY- 621 125**

**Minutes of the meeting for the project presentation on  
“Intelligent Farm Security System to Avoid Crop Damage from the Wild  
Animals using Animal Sound”**

**Venue: COE Room, KNCET, Trichy**

**Date : 15<sup>th</sup> February, 2021**

An appraisal meeting was organized at Kongunadu College of Engineering and Technology, Trichy for the NABARD sponsored project presentation by Mr. T. Rajamanikandan, on **“Intelligent Farm Security System to Avoid Crop Damage from the Wild Animals using Animal Sound”**.

Following members were present during the meeting.

- Dr. R. Asokan, Prof & Principal, KNCET, Thottiyam
- Mr. M. Karthick Kumar, District Development Manager, NABARD, Trichy
- Mr. S.A. Sukumar, President, TNBGF, Thottiyam
- Dr. P. Arul, Prof & COE, KNCET, Thottiyam
- Dr. R. Shankar, Prof & HOD/EEE KNCET, Thottiyam
- Mr. P. Varatharajan, Secretary, Cooperative society, Pachaperumal Patti, Thuraiyur
- Mrs.A.Dhanalakshmi, Kattukottagai, Nettavelampatti, Thuraiyur
- Mr.G.Jagadeesh, Branch Manager, IOB, Pachaperumalpatti, Thuraiyur

Mr. T. Rajamanikandan presented the project objectives, progress and development of software analysis and timeline to carry out the activities to the house. He elaborated that the project will focus on laser and thermal image camera usage of making wild animal project. He requested for releasing Rs. 1,20,600/- (40% of total cost) as second installment for the implementation of the project.

Dr. R. Asokan, Prof & Principal, KNCET, Thottiyam appreciated the efforts of the team for bringing the technology within a short frame of time. However, he asked the team to divide their major and minor objectives with more focus to complete the practical field testing of any one animal first then proceed with other animals one by one. He insisted to utilize the thermal image camera for identifying the wild animals during night.

Mr. M. Karthick Kumar, DDM, NABARD, Trichy insisted that the project at the end should be up-scaled and could have commercial application with the adoption by small scale entrepreneurs in low cost. He insisted to start field implementation as early as possible.

Dr. P. Arul, KNCET, assured the team that focus will be given more on the engineering aspects and product development to make the project a successful one.

The activity plan and the request for the release of 40% project cost as a second installment was approved by the house.

Dr. R. Shankar, Prof & HOD, KNCET, Thottiyam finally thanked the team with special thanks to Dr. R. Asokan, Prof & Principal, KNCET, Thottiyam for his constant support and encouragement in bringing out new technologies. He thanked Mr. M. Karthick Kumar, DDM, NABARD, Trichy for funding this kind of project which has direct benefit to the society. He also thanked Mr. T. Rajamanikandan, PI of the project.

T.Rajamanikandan, Principal Investigator



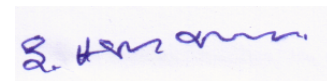
Dr. R. Asokan, Prof & Principal, KNCET, Thottiyam



Mr. M. Karthick Kumar, District Development Manager,  
NABARD, Trichy



Mr. S.A. Sukumar, President, TNBGF, Thottiyam



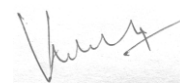
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