

paymen  
Govern



UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

FD Diary No. - 221  
Dated - 22.07.201

3

Dated :- Sep, 201

F. No. - 43-266/2014(SR)

MRP-MAJOR-CIVI-2013-39052  
(OBC)

11 SEP 2015

The Under Secretary (FDIII),  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi-110002.

Sub.- Release of Grants-in-aid to Thiagarajar College of Engineering, Madurai - 625015 for the year 2015-16 under Plan in respect of Major Research Project entitled "Study on Influence of Industrial By- Products on of Modified Reactive Powder Concrete(MRPC) " awarded to Dr.K.Arunachalam , Department of Civil Engineering , Tenure of project for year(s) w.e.f. 01/07/2015 .

Sir/Madam,

I am directed to convey the approval sanction of the University Grants Commission for payment of grant of Rs. 10,15,000/- (Rupees: TEN LAKHS FIFTEEN THOUSAND ONLY ) as 1st instalment for the years 2015-16 towards Major Research Project to the PRINCIPAL Thiagarajar College of Engineering, Madurai - 625015 for the Plan expenditure to be incurred during 2015-16 .

S. No.	Items	Head of Account	Amount Approved(Rs.)	Grant being Released as 1st Installment(Rs.)	Grant Already Released(Rs.)	Total Grant(Rs.)
A.	Non-Recurring					
1.	Books & Journals	3(A).49(a).35	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	Equipment		Rs. 9,85,000/-	Rs. 9,85,000/-	-	Rs. 9,85,000/-
B.	Recurring					
1.	Honorium to Retd. Teacher @ Rs. 18,000/- p.m.	3(A).49(a).31	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
2.	a. Project Fellow (Non-Gate/Non NET) @ Rs. 14,000/- p.m. b. Project Fellow (Gate/NET/GPAT) @ Rs. 16,000/- p.m. Tenure - 3 year(s)		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
3.	Chemical/Glassware/Consumable (Raw Material & Packaging Material etc.)		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
4.	Contingency		Rs. 50,000/-	Rs. 25,000/-	-	Rs. 25,000/-
5.	Hiring Services		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
6.	Travel / Field Work		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
7.	Any Other		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
8.	Overhead Charges 10% of approved recurring Grant (Except Travel & Field Work)		Rs. 5,000/-	Rs. 5,000/-	-	Rs. 5,000/-
	Total (A + B)		Rs. 10,40,000/-	Rs. 10,15,000/-		Rs. 10,15,000/-



1. The sanctioned amount is debitable to the Major Head 3(A).49(a).31 Rs. 30,000/- & Head 3(A).49(a).32 Rs. 9,85,000/- and is valid for payment during financial year 2015-16.
2. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Distributing Officer), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the PRINCIPAL, Thiagarajar College of Engineering, Madurai - 625015 through Electronic mode as per the following details.

	Payment Details	
(a)	Bank Name & Address of Branch	ICICI Bank Ltd, Thiagarajar College of Engg Branch, Thiruparakundram, Madurai-625015
(b)	Account No.	601301905856
(c)	Type of Account (SB/Current/Cash Credit)	Saving
(d)	IFSC Code	ICIC0000563
(e)	MICR Code of Branch	625229014
(f)	Whether Bank Branch is RTGS or NEFT enabled? :	Yes (RTGS/NEFT/Both)
(g)	Name & Address of Account Holder	The Principal, Thiagarajar College of Engg, Thiruparakundram, Madurai-625015

3. The Grant is subject to the adjustment of the basis of Utilization Certificate in the prescribed performa submitted by the University/Colleges/Institution.
4. The University/College/Institution shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The University/Institution may follow the General Financial Rules, 2005 and take Urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFR's 2005 and instructions/guideline there under from time to time.
6. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
7. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased function such assets shall revert to the University Grants Commission.
8. A register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed proforma.
9. The grantee institution shall ensure the utilization of grant-in-aid for which it is being **sanction/paid**. In case non-utilization/part utilization, thereof simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
10. The University/College/Institute shall follow strictly the Government of India / University Grants Commission guidelines regarding implementation of the reservation policy [both vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.)] in teaching and non-teaching posts.
11. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1976 etc.
12. The sanction is issued in exercise of the delegation of powers vide University Grants Commission Office Order No. 69/2014 F.No.10-11/12 (Admn. IA & B) dated 26/03/2014 .
13. The University/Institution shall strictly follow the University Grants Commission Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009.
14. The University/Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).
15. The accounts of the University/Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
16. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and



payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.

It is certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No. 977P. No. 47

The funds to the extent of Rs. \_\_\_\_\_ Crores are available under the scheme or BE/RE of the year 2015-16.

This issue with the concurrence of IFD Vide No. Diary No. 10946 Dated, 10.03.2015.

This issue with the approval of the Chairman, (UGC) Vide Diary No. 28731 Dated 30.04.2015.

Yours faithfully,

(G.S AULAKH)  
Under Secretary

Copy forwarded for information and necessary action to :-

*Registrar*

1. The **PRINCIPAL**, Anna University. Guindy, Chennai - 600 025 (TN) *As*
2. Office of the Director General of Audit, Central Revenues, A.G.C.R. Building, I.P. Estate, New Delhi.
3. Accountant General, Govt. of State, Tamil Nadu.
4. *u* **Dr. K. Arunachalam**, Principal Investigator, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai - 625015.
5. The Principal, Thiagarajar College of Engineering, Madurai - 625015

*K. Arun Kumar Sinha*  
(ARUN KUMAR SINHA)  
SECTION OFFICER



16  
**DARE**  
DEFENCE AVIONICS RESEARCH ESTABLISHMENT



7  
By Regd post. 16a

D.S.R. / D. Deshpande  
18

फैक्स/FAX : 080 - 25047500  
दूरभाष/TEL : 080 - 25347717

भारत सरकार, रक्षा मंत्रालय  
रक्षा अनुसंधान एवं विकास संगठन  
रक्षा उड़्डयानिकी अनुसंधान संस्थापन

GOVT. OF INDIA, MINISTRY OF DEFENCE  
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION  
**DEFENCE AVIONICS RESEARCH  
ESTABLISHMENT**  
P.B.NO.9366, CV RAMAN NAGAR,  
BANGALORE - 560 093.

NO: 5303/DARE/CARS/BUILD UP - 01/2013-14

DATED: 28 OCT 2013

✓ TO  
M/S. Thiagarajar College of Engineering  
RF System Lab, Department of ECE,  
Madurai - 625 015



Dear Sir

Reference your Summary offer of Provision of Research Services & Contract for Acquisition of Research Services (CARS) for "Design and Development of 1GHz-6GHz Ultra Wide Band Vivaldi Antenna for Airborne Applications".

With reference to the above letter, it is intimated that your proposal for Summary Offer of Provision of Research Services for "Design and Development of 1GHz-6GHz Ultra Wide Band Vivaldi Antenna for Airborne Applications" in connection with "BUILD UP" has been accepted by the Director DARE on behalf of President of India in accordance with Contract For Acquisition of Research Services (CARS) at the total value of Rs.17,59,120/- (Rupees Seventeen Lakhs Fifty Nine Thousand One Hundred and Twenty Only) plus service tax @ 12.36% as per the enclosed contract No. 5303/DARE/CARS/BUILD UP-01/13-14 dated 23 Oct 2013.

Please acknowledge receipt of this contract and in future please quote this contract number and date for all future correspondence for our reference. Also you may forward your invoice for arranging payment as per contract.

Yours Faithfully

(KS MANJUNAHTA) SSO-I  
For DIRECTOR





Government of India  
Ministry of Defence  
Defence R & D Organization  
**RESEARCH CENTRE IMARAT**  
VIGNYANAKANCH A P.O.  
HYDERABAD-500 069

Tel: 040-24306124  
Fax: 040-24306626

RCI/DCMM/LPD/CARS-0319

Dated: 02 Dec 2013

To  
The Principal  
RF Systems Lab, Department of ECE  
Thiagarajar College of Engineering  
Madurai-625 015

Sir, (Kind Attn: Dr.S.Raju (RSP))

**SUB: Contract for Acquisition of Research Services (CARS) on " Design and Development of a Conformal Wrap Around Antenna for Navigation Application".**  
**REF: Contract No-RCI/DCMM/LPD/CARS-0319 dated 28.11.2013**

Please find enclosed herewith a copy of CARS contract No.RCI/DCMM/LPD/CARS-0319 dated 28/11/2013 duly signed by the Director, RCI for your ready reference. As per the agreed terms, initial advance of Rs.4.00 Lakhs is to be released. In this context you have to submit the following documents.

- a) Contingent Bill duly signed (Copy enclosed- duly filled in)
- b) Invoice
- c) I.T.exemption certificate
- d) ECS details
- e) Indemnity Bond
- f) Annexure-I(in original)

Submission of the above documents is mandatory as per rules in vogue. As such, please forward the documents at an early date to enable us to clear the advance payment.

Kindly refer to contract number in all future correspondence for linking and speedy action at this end.

(M.KANNAN)

Sc 'F'

HEAD INSD, DNEC-RCI

Copy to

Shri S.Deepak Ram Prasath  
Thiagarajar Telekom Solutions Limited,  
Kappalur, Madurai-625 008

Internal:

DCMM....for information please.



Email : erip\_er@hqr.drdo.in  
Tele : 011- 23017661  
Fax : 011- 23017582



No. ERIP/ER/1204707 /M/01/ 1478  
Directorate of Extramural Research & Intellectual Property Rights (ER&IPR)  
Defence Res & Dev Orgn (DRDO)  
DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Dated: 20 June, 2013

To

Dr. (Mrs.) B. Manimegalai  
Asst. Professor  
Dept. of ECE  
Thiagarajar College of Engineering  
Madurai - 625 015

Sub: Grants-in-Aid for research project titled "Design and Development of Conformal Antenna Array for Avionics Applications"

Approval is hereby accorded for a grant of Rs. 17.5272 Lakh (Rupees Seventeen Lakh Fifty two Thousand Seven Hundred Twenty only) to Thiagarajar College of Engineering, Madurai, Chennai for pursuing the research on the subject titled project by Dr. (Mrs.) B. Manimegalai, Asst. Professor, Dept. of ECE, Thiagarajar College of Engineering, Madurai as Principal Investigator (PI).

2. The grant shall be spent as follows:

Expenditure on ↓	(Rs in lakh) during →	Year 1	Year 2	Year 3	Line Total
a) Staff : SRF - 01 @ Rs. 18000/- p.m. + 10 % HRA		2.376	2.376	-	4.752
b) Equipment (including spares thereof)		7.00	-	-	7.00
c) Operation and maintenance		-	-	-	-
d) Expendables		1.50	1.00	-	2.50
e) Travel (Domestic)		0.80	0.80	-	1.60
f) Contingencies		0.60	0.60	-	1.20
g) Visiting faculty or Research Consultant		-	-	-	-
h) Procured services (other than (g)) and metered utilities		-	-	-	-
i) Institutional Overheads Charges @ 10 % of (a)		0.2376	0.2376	-	0.4752
Column Totals		12.5136	5.0136	-	17.5272

Grand Total Rs. 17.5272 Lakhs (Rs. Seventeen Lakh Fifty Two Thousand Seven Hundred Twenty Only).

- The project will last for Two Year from the date of receipt of the first installment by the grantee institute and it will be governed by the terms and conditions given overleaf.
- This sanction issues in exercise of powers conferred on the competent authority by Ministry of Defence letter No. DRDO/DBFA/FA/83226/M/01/2031/D (R&D) dated 30<sup>th</sup> July 2010.
- The release of funds will be authorized by Accounts Officer of the Directorate of ER&IPR.
- The expenditure is debitable to Major Head 2080 - Defence Services - Research & Development, Minor Head 004 - Research/Research & Development, Sub-Head (C)- Extramural Research (EMR) Code Head 852/06.
- This is issued with the concurrence of IFA vide their U.O. No. IFA/R&D/1183/0313 dt. 28.5.2013

(Dr. D. Akhtar)  
Director

Copy to:-

- The Principal, Thiagarajar College of Engineering, Madurai - 625 015. The Cheque will be issued by PCDA in his favour.
- The Director, DEAL, DRDO, Raipur Road, Dehradun - 248 001. (Ref. DEAL/PMRA/2117/PPA dated 12<sup>th</sup> Nov 2012)
- The Director, DARE, DRDO, Post Box No - 9366, CV Raman Nagar, Bengaluru - 560 093. (Ref. DARE/DS/01/CORR/PERS dated 8-11-12)
- Sh. Mahakar Singh, Sc -'G', DEAL, DRDO, Raipur Road, Dehradun - 248 001 - Domain Expert
- Mr. R. Thangaraj, Sc -'F', DARE, DRDO, Post Box No - 9366, CV Raman Nagar, Bengaluru - 560 093 - Domain Expert
- PCDA (R&D, DRDO CELL), West Block -V, Sector 1, R.K. Puram, New Delhi - 110 066 - one ink signed copy.
- IFA (R&D), DRDO, HQrs, Rajaji Marg, New Delhi - 110011 - One ink signed copy.
- DGADS, L-2 Block, New Delhi - 110 001





motorola solutions  
foundation

1303 E. Algonquin Rd.  
Schaumburg, IL 60196 USA

The Northern Trust Company  
Chicago, IL 60610  
Payable Through  
Northern Trust Bank, DuPage  
Oakbrook Terrace, IL  
70-2382-719

5199

PAY

Fifteen thousand and xx/100 Dollars

DOLLARS

TO THE  
ORDER  
OF

THIAGARAJAR COLLEGE OF ENGINEERING

I.D. NO.

DATE

AMOUNT

16371399

01/27/2014

\$15,000.00

*Michael W. [Signature]*

TWO SIGNATURES REQUIRED FOR AMOUNTS OVER \$10,000

FOR:

Enterprise Mobility Lab

⑈051995⑈ ⑆071923828⑆ 0000023957⑈

**MOTOROLA SOLUTIONS FOUNDATION**

5199

PAYEE NAME: THIAGARAJAR COLLEGE OF ENGINEERING

PROJECT TITLE: Enterprise Mobility Lab

REQUEST ID: 9459637

PAYMENT ID: 16371399

CHECK DATE: 01/27/2014

CHECK AMOUNT: \$15,000.00

**MOTOROLA SOLUTIONS FOUNDATION**

5199

PAYEE NAME: THIAGARAJAR COLLEGE OF ENGINEERING

PROJECT TITLE: Enterprise Mobility Lab

REQUEST ID: 9459637

PAYMENT ID: 16371399

CHECK DATE: 01/27/2014

CHECK AMOUNT: \$15,000.00



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-II)64/2012-13

January 31, 2013

**The Drawing and Disbursing Officer**  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.**

Sir,

This is to convey the sanction of the Council for payment of **Rs. 1864334 (Rupees Eighteen Lakh SixtyFour Thousand Three Hundred ThirtyFour Only)** during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

1. Name of the Beneficiary Institution : **THIAGARAJAR COLLEGE OF ENGINEERING**  
(University / College / Institution) **TIRUPARANKUNDRAM, MADURAI-625015**  
**Tamil Nadu**
2. Principal Investigator's Name & : **Dr. ARUNACHALAM K.**  
Deptt. **CIVIL ENGINEERING**
3. Grant-in-aid Sanctioned : **Rs. 2291000/-**
4. Amount to be Released during the : **Non Recurring : Rs. 1651000 /-**  
year 2012-13 **Recurring (1<sup>st</sup> Year): Rs. 213334/-**  
(100% of non-recurring and recurring **Total : Rs. 1864334/-**  
of year 1 remaining recurring in year  
2 and 3)
5. Approved Duration : **3 Years (Three Years)**
6. Title of the Project : **USE OF AGRO RESIDUAL AND INDUSTRIAL**  
**WATES IN THE DEVELOPMENT OF ULTRA HIGH**  
**PERFORMANCE CONCRETE**

1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
2. The grant-in-aid of the grant 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 account of **Director/Registrar/ Principal, THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu** through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

Contd...2/-



23236551, 23237791, 23237721, 23234116  
23238733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 42-116/2013 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled, "Victims identification in forensic odontology using dental images"

Sir,

I am to refer to your letter forwarding the application of Dr. A. Banumathi of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 5,42,800/- (Rupees: five lakh forty two thousand eight hundred only) to the Principal, Thingarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. A. Banumathi, Department of Electronics for the period of 3 years w.e.f. 1.4.2013 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	Non - Recurring		2,10,000/-	GEN
1.	Books & Journals	10,000/-		
2.	Equipment (as per proposal including computer)	2,00,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	nil		
5.	Contingency	10,000/-		
6.	Travel/Field Work	20,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	53,800/-		
	Total (A + B)	8,21,800/-	5,42,800/-	

The acceptance Certificate in prescribed format (Annexure-1 available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-IV)36/2012-13

March 18, 2013

The Drawing and Disbursing Officer  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.


Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 2333334/- (Rupees TwentyThree Lakh ThirtyThree Thousand Three Hundred ThirtyFour Only)** during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

1. Name of the Beneficiary Institution (University / College / Institution) : **THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM MADURAI 625015 Tamil Nadu**
2. Principal Investigator's Name & Deptt : **Dr. MANOHARAN P.S.**
3. Grant-in-aid Sanctioned : **ELECTRICAL AND ELECTRONICS ENGINEERING Rs. 2400000/-**
4. Amount to be Released during the year 2012-13 (100% of non-recurring and recurring of year 1 remaining recurring in year 2 and 3) : **Non Recurring : Rs. 2300000/-  
Recurring (1<sup>st</sup> Year): Rs. 33334/-  
Total: Rs. 2333334/-**
5. Approved Duration : **3 Years (Three Years)**
6. Title of the Project : **INVESTIGATION ON PHOTOMETRIC CHARACTERISTICS OF LED AND OLEDs USING INTEGRATING SPHERE**

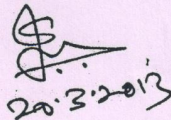
1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13.
2. The grant-in-aid for the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of **Director/Registrar/ Principal, THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM MADURAI, 625015 Tamil Nadu** through RTGS.
3. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. **Director/Registrar** shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior the issuance of the approval letter is not allowed to be adjusted in the grant. If the University/Institution do not take the project work within 6 months of the receipt of the grant, the approval shall ipso facto lapse.

  
20.3.2013

Contd...2/-



4. Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.
  5. The accounts of the grantee will be open for test check by the Council or Comptroller & Audited General of India or by any Officer designated by them.
  6. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
  7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
  8. The assets acquired wholly or substantially out of all India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the all India Council for Technical Education.
  9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register or assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
  10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
  11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
  12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
  13. 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 All India Council for Technical Education as early as possible 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.
- The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

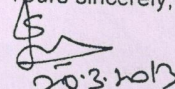
  
20.3.2013

Contd...3/-



15. The Grantee shall fully implement to the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
16. The funds to the extent are available under the scheme.
17. 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.
18. The Council does not provide permanent staff. However, Technical Project staff may be engaged only on contract basis after taking a formal approval from AICTE. The remuneration for such personnel may be fixed as per prevailing rules of the Institution.
19. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during 2011-12 & 2012-13 before utilizing this amount and the matter be brought to the notice of this Council immediately.

Yours sincerely,



(Shashikant P. Borkar)  
Advisor (RIFD)

Note: The prescribed formats and Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. The Director/Registrar/ Principal  
THIAGARAJAR COLLEGE OF  
ENGINEERING  
TIRUPARANKUNDRAM MADURAI  
625015 Tamil Nadu
2. Dr. MANOHARAN P.S.  
THIAGARAJAR COLLEGE OF  
ENGINEERING  
TIRUPARANKUNDRAM MADURAI  
625015 Tamil Nadu
3. Office of Director General of Audit  
GENERAL REVENUES,  
AGCR BUILDING  
I.P. STATE, NEW DELHI-110 002.
4. Guard File



File No. SR/S5/GC-05/2012  
**SCIENCE & ENGINEERING RESEARCH BOARD**  
(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-5, Pocket-5  
Vasant Kunj  
New Delhi-110070

Date: - 25.01.2017

**ORDER**

Subject: Research project titled “Recovery of waste plastics from e-waste component and waste rubber from used tires – Characterization and its utilization in a greener method; Studies to evaluate complete combustion of waste plastics – An eco friendly process” under the guidance of Prof. R. Vasudevan, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu- Release of Final grant & Settlement of Accounts.

Sanction of the Science & Engineering Research Board (SERB) is accorded to the payment of a sum of Rs. 6,22,000/- ( Rs. Six Lakh twenty Two Thousand Only) to The Principal, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu as the final grant for the above mentioned project.

2. Sanction of the grant is subject to the condition as detailed in Annexure-1 of SERB sanction order no. File No. SR/S5/GC-05/2012 dated 18.05.2015.
3. It is certified that provision of 212 relating to the UCs for the fund released earlier to this project have been satisfied and the UC/s is/are enclosed.
4. The expenditure involved is debitable to

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

Release under Green Chemistry

5. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/7674/2016-17 dated: 25.01.2017.

6. The amount Rs. 6,22,000/- ( Rs. Six Lakh twenty Two Thousand Only) in question under ‘Recurring ‘ will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per Bank details given below:

Account Name	TCE-DRDL Project A/C
Account Number	601301905856
Bank Name & Branch	ICICI Bank Ltd. , Thiagarajar College of Engg. Branch: Madurai
IFSC/RTGS Code	ICIC0000563



7. 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.

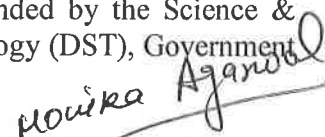
8. The institute will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9. 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. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

10. 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.

11. 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.


12. 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 the Department of Science & Technology (DST), Government of India.

  
Dr. Monika Agarwal  
(Scientist-E)

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, III <sup>rd</sup> Floor I.P. Estate, Delhi-110002
2	Sanction Folder, SERB, New Delhi.
3	File Copy
4	Prof. R. Vasudevan, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu  vasudesikan@yahoo.com
5.	The Principal, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu

  
(Dr. Monika Agarwal)  
(Scientist-E)





UNIVERSITY GRANTS COMMISSION  
..SOUTH EASTERN REGIONAL OFFICE

A.P.S.F.C. Building (4<sup>th</sup> Floor), 5-9-194, P.B. No.152, Chirag-Ali-Lane  
HYDERABAD- 500 001 - Ph: 040-23204735 Fax : 23204734

No.F.1-12/2012 (MRP-NEW/SERO-UGC)

Date : 21.01.2013

PNO.491.

The Principal  
THIAGARAJAR COLLEGE OF ENGG  
MADURAI - 625015.

Sir/Madam

Subject: ACCEPTANCE LETTER REQUIRED - REGARDING MINOR RESEARCH PROJECT.

This has reference to the Minor Research Project entitled "SECURITY METRICS FOR BUSINESS INFORMATION -N SYSTEMS USING BUSINESS ANALYTICS .

Submitted by Prof/Dr/Shri. CHANDRAKUMAR.T, Dept. of COMPUTER SCIENCE.

In this connection you are requested to submit the enclosed acceptance letter duly filled in by the Principal Investigator and countersigned by the Principal of the College.

On receipt of the above letter this office will take further necessary action.

In case if the above information is not received within 10days the above proposal will not be considered for financial assistance.

Yours faithfully,

(G.K.Pasrija)

Under Secretary





(For UGC use Only)

P.No:

**UNIVERSITY GRANTS COMMISSION-SOUTH EASTERN REGIONAL OFFICE**

5-9-194, CHIRAG ALI LANE, IV FLOOR, A.P.S.F.C. BUILDING, HYDERABAD -500 001

Phones: 040 - 23204735, 23200208 FAX: 040 - 23204734,

Website: www.ugc.ac.in, email: srinivasugc@yahoo.com

**Acceptance Certificate for Minor Research Projects**

**T. CHANDRAKUMAR**

Reg: NO. F.1-12/2012(MRP-NEW/SERO-UGC) dated 21.01.2013

Name of the Principal Investigator: **+91 9865108814**  
(With Mobile No. & Email Id.)

**t.chandrakumar@gmail.com**

Department:

**Department of Computer Applications**

College Address:

**Thiagarajar College of Engineering, Madurai - 625 015**

(With Phone No. & Email id)

**0452-2462240 & Principal @ tce.edu**

Title of the Project: **"Security metrics for Business Information systems using Business Analytics"**

Category of P.I. (Gen / OBC / SC / ST/Minority/Womens): **Gen**

Date of Birth of P.I. **03.03.1985** Date of Retirement: **03.03.2043**

We are certifying that

1. The College is fit to receive the Financial Assistance from UGC and is included under Section 2(f) & 12 B of UGC Act.
2. The Principal Investigator is **NOT WORKING AGAINST** Self Financing / Un-Aided Post.
3. The above Research Project is not being supported by any other funding Agency.
4. At present the Principal Investigator is not having any Research Project / and Not under Faculty Development Programme approved by UGC and Other agencies and the Principal Investigator has settled all the accounts of all the previous Programmes related to Minor Research Project. The File No(s) of MRP Projects taken earlier ..... & Date on which the last Minor Project was settled on.....
5. The Equipment will be purchased by the Principal Investigator as per the request made in the proposal only.
6. The Terms & Conditions of the Scheme are acceptable as UGC guidelines under Minor Research Project to both Principal and Principal Investigator of the Project.
7. **We Shall complete the above Project within the stipulated period laid down by UGC. If we fail to do so and if the UGC is not satisfied with the progress of the Research Project, the Commission may terminate the project immediately and ask for the refund of the entire amount received by me along with interest.**

We are certifying that the College & Principal Investigator will abide the above rules and regulations laid down by UGC. We further certify that the information furnished above are verified & found correct.

**T. Chandrakumar**

(Principal Investigator)

(with stamp)

**(T. CHANDRAKUMAR)**

Date & Place: **Madurai**

**15-02-2013**

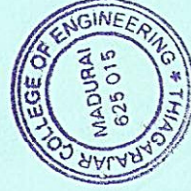
**V. Jeyaraj**  
(Principal)

(With stamp & college seal)

**PRINCIPAL**

**Thiagarajar College of Engineering**

**Madurai - 625 015**





Consulting Services

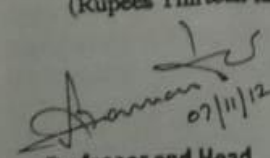
Letter of agreement for small assignments carried out by consultants

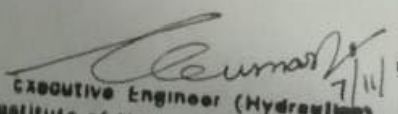
Name of Assignment : Research study for the Re-use of waste water (Industry and Domestic) for Irrigation, Tirunelveli Corporation

Name of Consultant : The Department of Civil Engineering,  
Thiyagarajar College of Engineering, Madurai - 625 015

Name of the Client: The Executive Engineer/Deputy Director, Hydraulics  
Division, Pondicherry - 605 023

1. Set out below the terms and conditions under which the Consultant has agreed to carry out for the Client the above-mentioned assignment specified in the attached Terms and Reference.
2. For administrative purposes the Client has been assigned to administer the assignment and the Consultant will collect all relevant information needed to carry out the assignment. The services will be required in the Project for the period of 330 days (11 months) viz the period from 12.10.2012 to 06.09.2013.
3. The Client may find it necessary to postpone or cancel the assignment and/or shorten or extend its duration. However, every effort will be made to give the consultant, as early as possible, notice of any changes. In the event of termination, the consultant will be paid for the services rendered for carrying out the assignment to the date of termination and the Consultant will provide the Client with any reports or parts thereof, or any other information and documentation gathered under this agreement prior to the date of termination.
4. The services to be performed, the estimated time to be spent, and the reports to be submitted will be in accordance with the attached Terms of Reference.
5. This agreement, its meaning and interpretation and the relations between the parties shall be governed by the Laws of Union of India.
6. This agreement will become effective upon confirmation of this letter on behalf of Consultant and will terminate on 10.09.2013 or such other date as mutually agreed between the Client and the Consultant.
7. Payments for the Services will not exceed a total value of Rs.13,00,000.00 (Rupees Thirteen lakhs only). (Herein after called contract value).

  
07/11/12  
Professor and Head  
Department of Civil Engineering  
Thiyagarajar College of Engineering  
Madurai - 625 015

  
7/11/12  
Executive Engineer (Hydraulics)  
Institute of Hydraulics and Hydrology  
Pondicherry - 605 023.





F. No. 42-897/2013 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

31 MAY 2013

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled, “Non destructive testing (NDT) of composite materials using texture and morphology based scanned electron microscope (SEM) image analysis”

Sir,

I am to refer to your letter forwarding the application of **Dr. S. Karthikeyan** of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of **Rs. 7,36,800/- (Rupees: seven lakh thirty six thousand eight hundred only)** to the Principal, **Thiagarajar College of Engineering, Madurai-625015, Tn** in r/o Major Research Project of **Dr. S. Karthikeyan**, Department of Industrial Engg for the period of 3 years w.e.f. 1.4.2013 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS Ist INSTALMENT	Category
A.	Non - Recurring		3,00,000/-	SC
1.	Books & Journals	nil		
2.	Equipment (as per proposal)	3,00,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	nil		
5.	Contingency	2,00,000/-		
6.	Travel/Field Work	nil		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	72,800/-		
	Total (A + B)	11,00,800/-	7,36,800/-	

The acceptance Certificate in prescribed format (Annexure-1 available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non –Recurring including Over Head Charges, and 50% of the total Recurring grant.



24  
120  
to  
13

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-II)63/2012-13

January 31, 2013

The Drawing and Disbursing Officer  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.

Sir,

This is to convey the sanction of the Council for payment of Rs. 896667 (Rupees Eight Lakh NinetySix Thousand Six Hundred SixtySeven Only) during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

1. Name of the Beneficiary Institution (University / College / Institution) : **THIAGARAJAR COLLEGE OF ENGINEERING / TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu**
2. Principal Investigator's Name & Deptt. : **Dr. BALAMURUGAN N.B. DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**
3. Grant-in-aid Sanctioned : **Rs. 1030000/-**
4. Amount to be Released during the year 2012-13 (100% of non-recurring and recurring of year 1 remaining recurring in year 2 and 3) : **Non Recurring : Rs. 830000 /-  
Recurring (1<sup>st</sup> Year): Rs. 66667/-  
Total : Rs. 896667/-**
5. Approved Duration : **3 Years (Three Years)**
6. Title of the Project : **MODELLING AND SIMULATION OF MULTI-GATE NANOWIRE TRANSISTORS FOR LOW POER CMOS APPLICATIONS**

1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
2. The grant-in-aid of the grant 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 account of Director/Registrar/ Principal, **THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu** through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

04/2/2013

Contd...2/-



17

13a

12

15

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-II)67/2012-13

January 31, 2013

The Drawing and Disbursing Officer  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.**

Sir,

This is to convey the sanction of the Council for payment of **Rs. 1066667 (Rupees Ten Lakh SixtySix Thousand Six Hundred SixtySeven Only)** during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

1. Name of the Beneficiary Institution (University / College / Institution) : **THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu**
2. Principal Investigator's Name & Deptt. : **Dr. MANIKANDAN M S K ELECTRONICS AND COMMUNICATION ENGINEERING**
3. Grant-in-aid Sanctioned : **Rs. 1200000/-**
4. Amount to be Released during the year 2012-13 (100% of non-recurring and recurring of year 1 remaining recurring in year 2 and 3) : **Non Recurring : Rs. 1000000 /-  
Recurring (1<sup>st</sup> Year): Rs. 66667/-  
Total : Rs. 1066667/-**
5. Approved Duration : **3 Years (Three Years)**
6. Title of the Project : **PERFORMANCE ANALYSIS OF MOBILE AD-HOC NETWORK SECURITY**

1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
2. The grant-in-aid of the grant 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 account of Director/Registrar/ Principal, **THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu** through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

*[Signature]*  
05/2/2013

Contd...2/-





UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

Name of the Sanction : 43-284/2014(SR)

GRANT-IN-AID-BILL

30 OCT 2015

1.	NAME OF THE BENEFICIARY INSTT. / UNIVERSITY / COLLEGE	Thiagarajar College of Engineering, Thirupparankundram, Madurai, Tamil Nadu, India - 625015
2.	SANCTION NO. DATED	F. No.- 43-284/2014(SR) Dated:- Oct, 2015 F.D. Diary No.- 3920 Dated:- 23.09.2015
3.	AMOUNT SANCTIONED	(a) Sanctioned :Rs. 8,52,000/- (Rupees: EIGHT LAKHS FIFTY TWO THOUSAND ONLY ) (b) Adjusted : Nil (c) Net Release : Rs. 8,52,000/- (Rupees: EIGHT LAKHS FIFTY TWO THOUSAND ONLY )
4.	PURPOSE OF GRANT IN AID	MRP - to Dr. V. PRAKASH Electrical and Electronics Engineering Department
5.	HEAD OF ACCOUNT	Head 3(A).49(a).35 Rs. 8,00,000/- Head 3(A).49(a).31 Rs. 52,000/-
6.	DESIGNATION AND ADDRESS OF THE AUTHORIZED OFFICER	The PRINCIPAL , Thiagarajar College of Engineering, Thirupparankundram, Madurai, Tamil Nadu, India - 625015
7.	PAYMENT DETAILS	
(a)	Bank Name & Address of Branch	ICICI Bank Ltd., Thiagarajar College of Engg. Branch, Thiruparakundram, Madurai-625015
(b)	Account No.	601301905856
(c)	Type of Account (SB/Current/Cash Credit)	Saving
(d)	IFSC Code	ICIC0000563
(e)	MICR Code of Branch	625229014
(f)	Whether Bank Branch is RTGS of NEFT enabled: RTGS/NEFT/Both	Yes
(g)	Name & Address of Account Holder	The Principal, Thiagarajar College of Engg, Thiruparakundram, Madurai-625015

RECEIVED A SUM OF RS. Rs. 8,52,000/- (Rupees: EIGHT LAKHS FIFTY TWO THOUSAND ONLY ) BEING THE AMOUNT SANCTIONED VIDE SANCTION NO. 43-284/2014(SR) DATED Oct, 2015 (COPY ENCLOSED) FOR DISBURSEMENT TO THE PRINCIPAL , Thiagarajar College of Engineering, Thirupparankundram, Madurai, Tamil Nadu, India - 625015, CERTIFIED THAT THE CONDITION OF THE GRANT HAS BEEN ACCEPTED BY THE GRANTEE INSTITUTION. NECESSARY ENTRIES IN GIA/BUDGET CONTROL REGISTER HAVE BEEN MADE.

(G.S. AULAKH)  
Under Secretary

जी. एस. अलख  
G. S. AULAKH

अवर सचिव/Under Secretary  
विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
मानव संसाधन विकास विभाग  
Min. of Human Resource Development  
नई दिल्ली / New Delhi-110002

6090  
2011/11

CNRBR 520151130006077



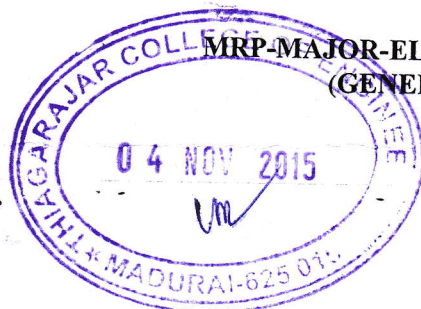


UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110002

F. No. - 43-284/2014(SR)

Dated :- Oct, 2015

30 OCT 2015



MRP-MAJOR-ELEC-2013-43083  
(GENERAL)

The Under Secretary (FDIII),  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi-110002.

Sub.- Release of Grants-in-aid to **Thiagarajar College of Engineering, Thirupparankundram, Madurai, Tamil Nadu, India - 625015** for the year **2015-16** under Plan in respect of Major Research Project entitled "**Achieving Energy Efficiency in Three Phase Induction Motors: Non-destructive winding Quality Assurance Approach** " awarded to **Dr. V. PRAKASH**, Electrical and Electronics Engineering Department, Tenure of project for 3 year(s) w.e.f. 01/07/2015.

Sr/Madam,

I am directed to convey the approval sanction of the University Grants Commission for payment of grant of **Rs. 8,52,000/-** (Rupees: **EIGHT LAKHS FIFTY TWO THOUSAND ONLY**) as **1st instalment** for the years **2015-16** towards Major Research Project to the **PRINCIPAL, Thiagarajar College of Engineering, Thirupparankundram, Madurai, Tamil Nadu, India - 625015** for the Plan expenditure to be incurred during **2015-16**.

S. No.	Items	Head of Account	Amount Approved(Rs.)	Grant being Released as 1st Installment(Rs.)	Grant Already Released(Rs.)	Total Grant(Rs.)
A.	<b>Non-Recurring</b>					
1.	Books & Journals	3(A).49(a).35	Rs. 50,000/-	Rs. 50,000/-	-	Rs. 50,000/-
2.	Equipment		Rs. 7,50,000/-	Rs. 7,50,000/-	-	Rs. 7,50,000/-
B.	<b>Recurring</b>					
1.	Honorium to Retd. Teacher @ Rs. 18,000/- p.m.	3(A).49(a).31	Rs. 0/-	Rs. 0/-	-	Rs. 0/-
	a. Project Fellow (Non-Gate/Non NET) @ Rs. 14,000/- p.m. b. Project Fellow (Gate/NET/GPAT) @ Rs. 16,000/- p.m. Tenure - 3 year(s)		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
3.	Chemical/Glassware/Consumable (Raw Material & Packaging Material etc.)		Rs. 10,000/-	Rs. 5,000/-	-	Rs. 5,000/-
4.	Contingency		Rs. 25,000/-	Rs. 12,500/-	-	Rs. 12,500/-
5.	Hiring Services		Rs. 10,000/-	Rs. 5,000/-	-	Rs. 5,000/-
6.	Travel / Field Work		Rs. 50,000/-	Rs. 25,000/-	-	Rs. 25,000/-
7.	Any Other		Rs. 0/-	Rs. 0/-	-	Rs. 0/-
8.	Overhead Charges 10% of approved recurring Grant (Except Travel & Field Work)		Rs. 4,500/-	Rs. 4,500/-	-	Rs. 4,500/-
	<b>Total (A + B)</b>		<b>Rs. 8,99,500/-</b>	<b>Rs. 8,52,000/-</b>		<b>Rs. 8,52,000/-</b>

22500  
15000  
47500  
47500  
852000  
47500  
899500





विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 42-130/2013 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

31 MAR 2013

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled,

“Scheduling algorithm to miniize the worst case execution time of safety critical applications on multicore processors”

Sir,

I am to refer to your letter forwarding the application of Dr. P. Chitra of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 4,93,500/- (Rupees: four lakh ninety three thousand five hundred only) to the Principal, Thiagarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. P. Chitra, Department of Computer Science for the period of 3 years w.e.f. 1.4.2013 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Categ ory
A.	Non - Recurring		3,50,000/-	GEN
1.	Books & Journals	50,000/- ✓		
2.	Equipment (as per proposal)	3,00,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	nil		
3.	Chemical/ Glassware / Consumable	1,00,000/-		
4.	Hiring Services	75,000/- ✓		
5.	Contingency	35,000/- ✓		
6.	Travel/Field Work	35,000/- ✓		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	21,000/-		
	Total (A + B)	6,16,000/-	4,93,500/-	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.



1. The sanctioned amount is debitable to the Major Head 4. (i) a (31) Rs. 1,43,500/- & 4. (i) a (35) Rs. 3,50,000/- and is valid for payment during financial year 2012-13.
2. The amount of the Grant shall be drawn by the Under Secretary (drawing and Disbursing Office), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the University/College, **Thiagarajar College of Engineering, Madurai-625015, TN** through Cheque/Demand Draft/ Mail Transfer.
3. The Grants is subject to the adjustment of the basis of Utilization Certificate in the prescribed performance submitted by the University/Colleges/institution.
4. The University/College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The Utilization Certificate of the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased in function such assets shall revert to the University Grant Commission.
7. ~~A Register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.~~
8. The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case of non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on the unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the Utilization Certificate/Statement of expenditure to be furnished by grantee institution.
10. The University/College/Institute shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts for Scheduled Castes/Scheduled Tribes/OBC/PH etc.
11. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1978 etc.
12. The sanction issues in exercise of the delegation of powers vide Commission Office Order No. 25/92 dated May 01, 1992.
13. An amount of Rs. ----- out of the grant of Rs. ----- sanctioned vide letter No. F. 42-130/2013 (SR) dated ----- has been utilized by University/College/Institution for the purpose for which it was sanctioned. Utilization Certificate for Rs. ----- has already been entered at S. No. ----- now we may enter Utilization Certificate for Rs. ----- S. No. ----- and in the U. C. Registrar at page No. -----.
14. It is also certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No. ----- The above grant is sanctioned against the budget provision of Rs. ----- during the current financial year leaving a balance of Rs. ----- under the head of Account 4. (i) a (31) Rs. 1,43,500/- & 4. (i) a (35) Rs. 3,50,000/-
15. The funds to the extent are available under the Scheme.
16. The University/Institution/College is strictly following the UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009.

31  
(Dr. (Mrs.) Urmila Devi)  
Joint Secretary

Copy forwarded for information and necessary action for:-

1. The Principal, **Thiagarajar College of Engineering, Madurai-625015, TN**, Acknowledgement for the receipt of DD / Cheque / Mail Transfer for Rs. 4,93,500/- may be sent to the Under Secretary, Finance Division III, UGC,
2. **Dr. P. Chitra**, Principal Investigator, Department of CSE  
**Thiagarajar College of Engineering, Madurai, 625015, TN**
3. office of the Director General of Audit, Central Revenues, A. G. C. R. Building, I. P. Estate, New Delhi.
4. The Registrar, Anna University, Chennai

(Pranod Sharma)  
Section Officer



UNIVERSITY GRANTS COMMISSION

BAHADUR SHAH ZAFAR MARG

NEW DELHI - 110 002

Utilization certificate

Certified that the grant of Rs. 4,93,500 (Rupees Four lakh ninety three thousand and five hundred only) received from the University Grants Commission under the scheme of support for Major Research Project entitled Scheduling algorithm to minimize the worst case execution time of safety critical applications on multicore processors vide UGC letter No. F. 42-130/2013(SR) dated 31.03.2013 an amount of Rs. 4,98,466/- has been fully utilized for the purpose for which it was sanctioned with the terms and conditions laid down by the Commission.

*P. chkr*

SIGNATURE OF THE  
PRINCIPAL INVESTIGATOR

*V. Jeyaraj*

REGISTRAR/PRINCIPAL

(Seal)

PRINCIPAL  
Thiagarajar College of Engineering  
MADURAI - 625 015

*M. Vijayan*

STATUTORY AUDITOR

M. VIJAYAN, B.Com., F.C.A.,  
Chartered Accountant  
Membership No : 200/26972  
9, Venkataharam Road, Kamala 2nd St.,  
Chinna Chokkikulam, Madurai-625 002





**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-II)66/2012-13

January 31, 2013

**The Drawing and Disbursing Officer**  
All India Council for Technical Education  
7<sup>TH</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.**

Sir,

This is to convey the sanction of the Council for payment of **Rs. 521334 (Rupees Five Lakh TwentyOne Thousand Three Hundred ThirtyFour Only)** during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

- |    |   |   |  |
|----|---|---|--|
| 1. | Name of the Beneficiary Institution<br>(University / College / Institution)   | : | THIAGARAJAR COLLEGE OF ENGINEERING<br>TIRUPARANKUNDRAM, MADURAI-625015<br>Tamil Nadu                   |
| 2. | Principal Investigator's Name &<br>Deptt.   | : | Dr. DEISY C<br>COMPUTER SCIENCE ENGINEERING &<br>APPLICATION   |
| 3. | Grant-in-aid Sanctioned   | : | Rs. 564000/-   |
| 4. | Amount to be Released during the<br>year 2012-13<br>(100% of non-recurring and recurring<br>of year 1 remaining recurring in year<br>2 and 3) | : | Non Recurring : Rs. 500000 /-<br>Recurring (1 <sup>st</sup> Year): Rs. 21334/-<br>Total : Rs. 521334/- |
| 5. | Approved Duration   | : | 3 Years (Three Years)  |
| 6. | Title of the Project  | : | MOBILE BASED CARDIOVASCULAR DISEASE<br>DIANOSIS SYSTEM FOR LRURAL INDIA                                |

1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
2. The grant-in-aid of the grant 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 account of **Director/Registrar/ Principal, THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu** through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.


  
05/2/2013

Contd...2/-



:: 2 ::

4. Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller & Audited General of India or by any Officer designated by them.
6. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
8. The assets acquired wholly or substantially out of all India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the all India Council for Technical Education.
9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register or assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
13. 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 All India Council for Technical Education as early as possible 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.
14. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

  
05/12/2013

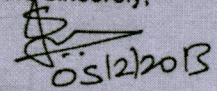
Contd...3/-



:: 3 ::

15. The Grantee shall fully implement to the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
16. The funds to the extent are available under the scheme.
17. 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.
18. The Council does not provide permanent staff. However, Technical Project staff may be engaged only on contract basis after taking a formal approval from AICTE. The remuneration for such personnel may be fixed as per prevailing rules of the Institution.
19. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during 2011-12 & 2012-13 before utilizing this amount and the matter be brought to the notice of this Council immediately.

Yours sincerely,

  
(Shashikant P. Borkar)  
Advisor (RIFD)

Note: The prescribed formats and Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. The Director/Registrar/ Principal  
THIAGARAJAR COLLEGE OF  
ENGINEERING  
TIRUPARANKUNDRAM, MADURAI-  
625015  
Tamil Nadu
2. Dr. DEISY C THIAGARAJAR  
COLLEGE OF ENGINEERING  
TIRUPARANKUNDRAM, MADURAI-  
625015  
Tamil Nadu
3. Office of Director General of Audit  
GENERAL REVENUES,  
AGCR BUILDING  
I.P. STATE, NEW DELHI-110 002.
4. Guard File



### UTILISATION CERTIFICATE

Certified that out of Rs 5,64,000/- of grants-in-aid sanctioned during 1<sup>st</sup> Apr 2013 to 31<sup>st</sup> March 2014 in favour of Principal, Thiagarajar College of Engineering, Madurai-625015, TN this Ministry/ Department letter/ order No. 20/AICTE/RIFD/RPS(POLICY-II)66/2012-13 dated 31.01.2013 and Rs -NA- on account of unspent balance of the previous year, a sum of Rs. 2,40,670/- has been utilized for the purpose of Project for which it was sanctioned and that the balance of Rs. 2,80,664/- remaining unutilized at the end of the year will be adjusted towards the grants-in-aid payable during the next year i.e. 01.04.2014 to 31.03.2015.

Signature of PI

Date 28.10.14.

Signature of Registrar/  
Signature of Head  
Principal  
Thiagarajar College of Engineering  
Madurai 625 015

Date

Accounts Officer of  
the Institute

Date

(To be filled in by DST)

Certified that I have satisfied that the conditions on which the grants-in-aid was sanctioned have been fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned:-

Kinds of checks exercised.

1. Cash Book
2. Bank Book
3. Ledgers, Vouchers
4. Sanction letter
- 5.



Signature: \_\_\_\_\_

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

**M. VIJAYAN, B.Com., F.C.A.,**  
Chartered Accountant  
Membership No : 200/26972  
'Thiruvavur', Natham Road,  
Thirupalai, Madurai - 625 014.

*Full  
fund  
received  
in 2012-13  
itself.*



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
4<sup>th</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No.: 20/AICTE/RIFD/RPS(POLICY-II)68/2012-13

February 1, 2013

**The Drawing and Disbursing Officer**  
All India Council for Technical Education  
7<sup>th</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.**

Sir,

This is to convey the sanction of the Council for payment of Rs. 321667 (Rupees Three Lakh TwentyOne Thousand Six Hundred SixtySeven Only) during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below:

- |    |   |  |
|----|---|--|
| 1. | Name of the Beneficiary Institution<br>(University / College / Institution)   | : THIAGARAJAR COLLEGE OF ENGINEERING<br>TIRUPARANKUNDRAM, MADURAI-625015<br>Tamil Nadu                   |
| 2. | Principal Investigator's Name &<br>Deptt.   | : Dr. CHITRA P<br>COMPUTER SCIENCE ENGINEERING   |
| 3. | Grant-in-aid Sanctioned   | : Rs. 365000/-   |
| 4. | Amount to be Released during the<br>year 2012-13<br>(100% of non-recurring and recurring<br>of year 1 remaining recurring in year<br>2 and 3) | : Non Recurring : Rs. 300000 /-<br>Recurring (1 <sup>st</sup> Year): Rs. 21667/-<br>Total : Rs. 321667/- |
| 5. | Approved Duration   | : 3 Years (Three Years)  |
| 6. | Title of the Project  | : DETERMINISTIC EXECUTION TIME ANALYSIS OF<br>REAL TIME APPLICATIONS ON MULTICORE<br>ARCHITECTURES.      |

1. The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
2. The grant-in-aid of the grant 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 account of Director/Registrar/ Principal, THIAGARAJAR COLLEGE OF ENGINEERING TIRUPARANKUNDRAM, MADURAI-625015 Tamil Nadu through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

Contd...2/-

*OS 12/02/13*



:: 2 ::

4. Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller & Audited General of India or by any Officer designated by them.
6. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
8. The assets acquired wholly or substantially out of all India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the all India Council for Technical Education.
9. 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.
10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
13. 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 All India Council for Technical Education as early as possible 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.
14. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

AS/26013

Contd...3/-



## ANNEXURE – VII

**FORMAT**  
**For**  
**UTILIZATION CERTIFICATE**

Sanction Letter No. 20/AICTE/RIFD/RPS(POLICY-II)68/2012-13

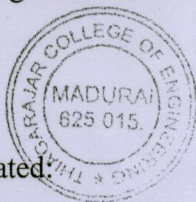
Date: 01/02/2013

**A. NON-RECURRING**

S.NO.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Itemwise)	Unspent Balance
1.	Intel SSJ999LSGE01 Intel System Studio	3,00,000/-	54,860/-	
2.	Corei5 Sony Vaio		50,750/-	
3.	HP Elite 8300 CI5/8/500/DVD/3Y		1,07,970/-	
4.	HP 280 G1MT/I54590s/4/500 and Raspberry Pi model		86,400/-	
	Total	3,00,000/-	2,99,980/-	20/- (Spent in the Recurring expenditure)

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

*[Signature]*  
Finance Officer  
(Signature & Seal)



Dated:

*[Signature]*  
Registrar/Principal/Director  
(Signature & Seal)

**Thiragarajar College of Engineering**  
**MADURAI - 625 015**

Name and Address of  
University/Institution

Note: The Utilization Certificate(UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

\*This is to be submitted every financial year.

*Chitra  
Mam  
2012-13  
financial yr  
full amt  
received.*





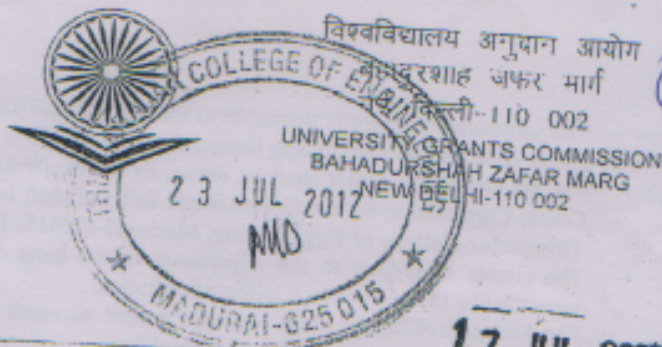
## Amendment to CARS

By signature of authority identified at (12) below, DRDO hereby amends extant CARS on the Research Service Provider at (3).

<b>1. Short title of CARS</b> <b>Development of Electro-Chemical Machining (ECM) process for Titanium alloy(Ti6Al4V) diaphragm</b>				<b>CARS Number:</b> 13C.R0007/TRD/12-13/ LP dt 11/02/13			
<b>2. Amended RSQR Ref no:</b>	<b>Date of issue</b>		<b>Issuing DRDO Lab/ Estt/ Project:</b> CVRDE, AVADI, Chennai		<b>4. CARS Amendment No</b>		
	YY	MM	DD				
	2011	12	20				
<b>3. Name and address of Research Service Provider(RSP)s:</b> <b>The Principal,</b> <b>Thiagarajar College of Engineering, Madurai – 625015</b>							
<b>5. RSP is authorized to substitute/change/add key professionals/research consultants as follows :</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Dr.S. Balaji</b>            Department of chemistry,            Thiagarajar College of Engineering,            Madurai – 625015,            Email: <a href="mailto:sbalaji@tce.edu">sbalaji@tce.edu</a> </td> <td style="width: 50%; vertical-align: top;"> <b>Dr.M. Palaninatharaja,</b>            Department of Mechanical Engineering,            Thiagarajar College of Engineering,            Madurai – 625015,            Email: <a href="mailto:pnatharaja@tce.edu">pnatharaja@tce.edu</a> </td> </tr> </table>						<b>Dr.S. Balaji</b> Department of chemistry, Thiagarajar College of Engineering, Madurai – 625015, Email: <a href="mailto:sbalaji@tce.edu">sbalaji@tce.edu</a>	<b>Dr.M. Palaninatharaja,</b> Department of Mechanical Engineering, Thiagarajar College of Engineering, Madurai – 625015, Email: <a href="mailto:pnatharaja@tce.edu">pnatharaja@tce.edu</a>
<b>Dr.S. Balaji</b> Department of chemistry, Thiagarajar College of Engineering, Madurai – 625015, Email: <a href="mailto:sbalaji@tce.edu">sbalaji@tce.edu</a>	<b>Dr.M. Palaninatharaja,</b> Department of Mechanical Engineering, Thiagarajar College of Engineering, Madurai – 625015, Email: <a href="mailto:pnatharaja@tce.edu">pnatharaja@tce.edu</a>						
<b>Principal technical features of research service provided by RSP are amended to read: - Nil</b>							
<b>7. List of DRDO-owned equipment provided by RSP are amended to read : - Nil</b>							
<b>8. Date of submission of final report is amended to read:</b> 56 months from the date of issues of work order alone with advance <span style="float: right;">22/11/2017</span>							
<b>9.1 Expenditure on items below shall not exceed amended sums shown against each</b>					<b>Rs.</b>		
a) Personnel Project fellow (Rs.10,000 x 14 months x 2 Persons)					2,80,000.00		
b) Equipment					3,00,000.00		
c) Others					13,68,654.00		
<b>Total:</b>					<b>19,48,654.00</b>		
<b>9.2 Amended Schedule of payments (Rs.)</b>							
				<b>Date</b>	<b>Payment</b>		
a) Initial advance (30% of project cost exclusive of service tax)				Paid at the beginning of the project(22/03/2013)	5,67,150.00		
b) After establishing machining (20% of project cost exclusive of service tax)				3 months	3,78,100.00		
c) At performance milestone I of RSQR (20% of project cost exclusive of service tax)				9 months	3,78,100.00		
d) At performance milestone II of RSQR (20% of project cost exclusive of service tax)				53 months (22/08/2017)	3,78,100.00		
e) On submission of final report (10% of project cost exclusive of service tax+ service tax)				56 months (22/11/2017)	2,47,204.00		
<b>Total:</b>					<b>19,48,654.00</b>		
@payments will be made within 45 days of receipt by L/E/P of contingent bill							
<b>10. General conditions of CARS remain unchanged other specific conditions in CARS are amended to read: Nil</b>							
<b>11. RSP's Signatory to original contract: (sign and seal)</b> <div style="text-align: center;"> <b>Dr. V. ABHAIKUMAR</b>            PRINCIPAL            Thiagarajar College of Engineering            Madurai - 625 015         </div> <div style="margin-top: 10px;"> <b>[ Sign over seal]</b>  <b>Name:</b>    <b>Designation:</b> </div>			<b>12. Signature of L/E/P contract administrator:</b> <div style="text-align: center;"> <b>DIRECTOR, CVRDE</b>  <b>डा. पी. शिवकुमार / Dr. P. SIVAKUMAR</b>            विशिष्ट वैज्ञानिक / Distinguished Scientist            निदेशक / Director         </div> <div style="margin-top: 10px;"> <b>Name</b>  <b>Designation:</b> </div>				







P. No. 41-592/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

17 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers -- Project entitled, "Intelligent surveillance system for Human action analysis"

Sir,

I am to refer to your letter forwarding the application of Dr. B. Yogameena of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction on an account grant of Rs. 7,41,800/- (Rupees: seven lakh forty one thousand eight hundred only) to the Principal, Thiagarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. B. Yogameena, Department of Electronics for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Cate gory
A.	Non - Recurring			
1.	Books & Journals		4,00,000/-	GEN
2.	Equipment (as per proposal)	nil 4,00,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil	3,41,800/-	
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	nil		
5.	Contingency	nil		
6.	Travel/Field Work	50,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	52,800/-		
	Total (A + B)	10,30,800/-	7,41,800/-	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.





विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-602/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

17 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers - Project entitled, "Nano transmission line analysis for interconnect applications"

Sir,

I am to refer to your letter forwarding the application of Dr. (Mrs.) S. Kanthamani of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an account grant of Rs. 11,03,800/- (Rupees: eleven lakh three thousand eight hundred only) to the Principal, Tniagar College of Engineering, Madurai-625006, TN in r/o Major Research Project of Dr. (Mrs.) S. Kanthamani, Department of Electronics for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	Non - Recurring			
1.	Books & Journals		7,20,000/-	OBC
2.	Equipment (Software, computer & printer)	20,000/- 7,00,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12,000/- p.m.	nil	3,83,800/-	
2.	Project Fellow @ Rs. 14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	60,000/-		
5.	Contingency	10,000/-		
6.	Travel/Field Work	50,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	59,800/-		
	Total (A + B)	14,27,800/-	11,03,800/-	

The acceptance Certificate in prescribed format (Annexure-I) available on the UGC web-site may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring, including Over-Head Charges, and 50% of the total Recurring grant.





विश्वविद्यालय अनुदान आयोग  
बहादुरशाह ज़फर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-601/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

18 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers - Project entitled, "Efficient channel navigation in internet protocol television (IPTV) using a novel frequency interleaved ordering scheme"

Sir,

I am to refer to your letter forwarding the application of Dr. MSK Manikandan of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 7,41,800/- (Rupees: seven lakh forty one thousand eight hundred only) to the Principal, Thiagarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. MSK Manikandan, Department of Electronics for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Categ ory
A.	Non - Recurring		4,00,000/-	OBC
1.	Books & Journals	nil		
2.	Equipment (as per proposal)	4,00,000/-		
B.	Recurring		3,41,800/-	
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	nil		
5.	Contingency	nil		
6.	Travel/Field Work	50,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	52,800/-		
	Total (A + B)	10,30,800/-	7,41,800/-	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.





विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-605/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

17 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled, "Synthesis of Dual band bandpass filter using particle swarm optimization techniques for wireless applicatoins"

Sir,

I am to refer to your letter forwarding the application of Dr. A. Thenmozhi of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 5,27,800/- (Rupees: five lakh twenty seven thousand eight hundred only) to the Principal, Thiagarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. A. Thenmozhi, Department of Electronics for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	Non - Recurring		75,000/-	GEN
1.	Books & Journals	25,000/-		
2.	Equipment (Computer)	50,000/-		
B.	Recurring			
1.	Honorarium to Retd. Teacher @ Rs. 12,000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	5,28,000/-		
3.	Chemical/ Glassware / Consumable	2,00,000/-		
4.	Hiring Services	nil		
5.	Contingency	10,000/-		
6.	Travel/Field Work	20,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	73,800/-		
	Total (A + B)	9,06,800/-	5,27,800/-	

The acceptance Certificate in prescribed format (Annexure-1 available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.



UNIVERSITY GRANT COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

FD Diary No. 354

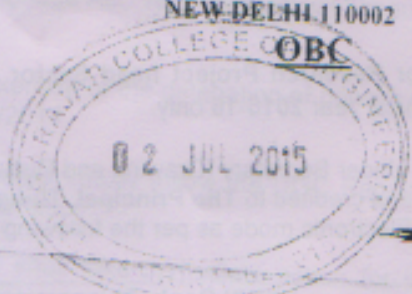
Dated : 05/05/2015

F.No.41-589/2012/(SR)

The Under Secretary (FD-III)  
University Grants Commission  
Bahadur Shah Zafar Marg  
New Delhi - 110002

Dated: June, 2015

**18 JUN 2015**



Sub: Release of Grant-in aid to, **Thiagarajar College of Engineering, Madurai- 625015, (TN)** for the year 2015-16 under plan in respect of Major Research Project entitled "Vibration..... environment" awarded to **Dr. L.R. KarlMarx, Deptt. of Electronics**, tenure of project from 1.7.2012 to 31.12.2015.

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs 8,000/-(Rupees Eight thousand only) as 2<sup>nd</sup> installment for the year 2015-16 towards Major Research Project to **The Principal, Thiagarajar College of Engineering, Madurai- 625015, (TN)** for the plan expenditure to be incurred during 2015-16.

I am also directed to say that the tenure of the above project has been extended by the UGC for six months from 30.06.2015 to 31.12.2015 without any financial assistance for the extended period.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Books & Journal	30,000/-	3(A)2202.03.102.10.01.35	.....	30,000/-	30,000/-
Equipment	10,50,000/-		.....	10,50,000/-	10,50,000/-
Honorarium	.....	3(A)2202.03.102.10.01.31 (49/A)	.....	.....	.....
Project Fellow	.....		.....	.....	.....
HRA	.....		.....	.....	.....
Chemical	80,000/-		.....	40,000/-	40,000/-
Contingency	20,000/-		8,000/-	10,000/-	18,000/-
Hiring Services	.....		.....	.....	.....
Travel/field work	20,000/-		.....	10,000/-	10,000/-
Overhead Charges	10,000/-		.....	10,000/-	10,000/-
Additional grant	.....		.....	.....	.....
<b>Total</b>	<b>12,10,000/-</b>		<b>8,000/-</b>	<b>11,50,000/-</b>	<b>11,58,000/-</b>

Surya 1.50 1.71

9847 7020

1.24453

9.25547

6051386  
47,486



22  
1101  
11  
11

No. SR/FTP/ETA-49/2012  
Science and Engineering Research Board  
(SERB)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110016  
21.12.2012

ORDER

**Subject:** Financial assistance for research project under FAST TRACK SCHEME FOR YOUNG SCIENTIST entitled "*Intelligent Video surveillance system for crowd density estimation and human abnormal action analysis.*" by Dr. B. Yogameena, Asstt. Prof., Dept. of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai - 625015, Tamilnadu-Release of 1<sup>st</sup> installment.

Sanction of the SERB is hereby accorded to the above mentioned project at a total cost of Rs. 10,70,000/- (Rupees ten lakhs seventy thousand only) with the break-up of Rs. 7,45,000/- under Capital head and Rs. 3,25,000/- under General head for a duration of 3 years. The items of expenditure for which the total allocation of Rs. 10,70,000/- has been approved for 3 years are given as below :-

		(Amount in Rs)
Sl No	Head	Total
A	Non-recurring (Capital Items)	
I	Pmt Equipment: PTZ camera, Network Video Recorder, LCD Monitor, Video Analytics, Surge Protector, Power Supply, Server.	7,45,000/-
A'	Total (Capital)	7,45,000/-
B	Recurring (General Items)	
I	Consumables	50,000/-
II	Contingency	40,000/-
III	Travel (attending GMW meetings)	50,000/-
IV	Over Heads	1,85,000/-
B'	Total (General)	3,25,000/-
C	Grand Total (A'+B')	10,70,000/-

2. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
3. Sanction of the SERB is also accorded to the payment of Rs. 7,95,000/- (Rupees seven lakhs ninety five thousand only) with the break-up of Rs. 7,45,000/- (Rupees seven lakhs forty five thousand only) under head 'Grants for creation of capital assets' (46.01.35) and Rs. 50,000/- (Rupees fifty thousand only) under head 'Grants-in-aid General (46.01.31)' to the Principal, Thiagarajar College of Engineering, Madurai-625015, Tamilnadu being the first installment of grant for the year 2012-13 for implementation of the above said project.
4. Sanction of the grant is subject to the conditions as detailed in Annexure-I.
5. The amount of Rs. 7,95,000/- (Rupees seven lakhs ninety five thousand only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Principal, Thiagarajar College of Engineering, Madurai - 625015, Tamilnadu by means of an A/C payee cheque.
6. The Institute will furnish to the SERB Utilization Certificate (U/C) and audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
7. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.
8. 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.

.....2/-



23236351, 23232701, 23237721, 23234116  
23235733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-800/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

18 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers - Project entitled, "Semi Graph structure in DNA computing"

Sir,

I am to refer to your letter forwarding the application of Dr. S. Jeya Bharathi of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 6,10,000/- (Rupees: six lakh ten thousand only) to the Principal, Thiagarajar College of Engineering, Madurai-625015, TN in r/o Major Research Project of Dr. S. Jeya Bharathi, Department of Maths for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
<b>A.</b>	<b>Non - Recurring</b>			
1.	Books & Journals		4,90,000/-	OBC
2.	Equipment (computer, software)	60,000/- 4,30,000/-		
<b>B.</b>	<b>Recurring</b>			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil	1,20,000/-	
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	nil		
3.	Chemical/ Glassware / Consumable	nil		
4.	Hiring Services	50,000/-		
5.	Contingency	1,00,000/-		
6.	Travel/Field Work	60,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	15,000/-		
	<b>Total (A + B)</b>	<b>7,15,000/-</b>	<b>6,10,000/-</b>	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.


If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The first instalment of the grant shall comprise of 100% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.




1. The sanctioned amount is debitable to the Major Head 4.(i).a (31) Rs. 1,20,000/- & 4.(i).a (35) Rs. 4,90,000/- and is valid for payment during financial year 2012-13.
2. The amount of the Grant shall be drawn by the Under Secretary (drawing and Disbursing Office), University Grants Commission on the Grants-in-aid Bill and shall be disbursed to and credited to the University/College, Thiagarajar College of Engineering, Madurai-625015, TN through Cheque/Demand Draft/ Mail Transfer.
3. The Grants is subject to the adjustment of the basis of Utilization Certificate in the prescribed performa submitted by the University/Colleges/institution.
4. The University/College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure.
5. The Utilization Certificate of the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of University Grant Commission's grant shall not be disposed or encumbered of utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the College/University ceased in function such assets shall revert to the University Grant Commission.
7. A Register of assets acquired wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
8. The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the Utilization Certificate/Statement of expenditure to be furnished by grantee institution.
10. The University/College/Institute shall follow strictly all the instructions issued by the Government of India from time to time with regard to reservation of posts for Scheduled Castes/Scheduled Tribes/OBC/PH etc.
11. The University/College shall fully implement to Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Languages (Use for Official purposes of the Union) Rules, 1978 etc.
12. The sanction issues in exercise of the delegation of powers vide Commission Office Order No. 25/92 dated May 01, 1992.
13. An amount of Rs. ----- out of the grant of Rs. ----- sanctioned vide letter No. F. 41-800/2012 (SR) dated ----- has been utilized by University/College/Institution for the purpose for which it was sanctioned. Utilization Certificate for Rs. ----- has already been entered at S. No. ----- now we may enter Utilization Certificate for Rs. ----- S. No. ----- and in the U. C. Registrar at page No. -----.
14. It is also certified from the B.C.R. that the funds are available under the scheme. Entered in BCR at S.No. 1263. The above grant is sanctioned against the budget provision of Rs. ----- during the current financial year leaving a balance of Rs. ----- under the head of Account 4.(i).a (31) Rs. 1,20,000/- & 4.(i).a (35) Rs. 4,90,000/-.
15. The funds to the extent are available under the Scheme.
16. The University/Institution/College is strictly following the UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009.

  
 (Kanta Batra)  
 Deputy Secretary

Copy forwarded for information and necessary action for:-

1. The Principal, Thiagarajar College of Engineering, Madurai-625015, TN, Acknowledgement for the receipt of DD / Cheque / Mail Transfer for Rs. 6,10,000/- may be sent to the Under Secretary, Finance Division III, UGC,
2. Dr. S. Jeya Bharathi, Principal Investigator, Department of Mathematics Thiagarajar College of Engineering, Madurai, 625015, TN
3. office of the Director General of Audit, Central Revenues, A. G. C. R. Building, I. P. Estate, New Delhi.
4. The Registrar, Anna University, Chennai, TN

  
 (Pramod Sharma)  
 Section Officer

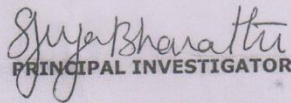


Annexure - V

UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI - 110 002

Utilization certificate

Certified that the amount of Rs.6,94,000/- (Rupees Six Lakhs and ninety-four thousand only) received from the University Grants Commission under the scheme of support for Major Research Project entitled "Semi Graph structure in DNA Computing" which was sanctioned to the Principal, Thiagarajar College of Engineering, Madurai in r/o Major Research Project of Dr.S.Jeya Bharathi by the University Grants Commission vide their letter No.F.41-800/2012 (SR) dated 18.07.2012 an amount of Rs.6,79,905/- (Rupees Six Lakh and seventy nine thousand nine hundred and five only) was utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions as laid down by the University Grants Commission and the balance unutilized amount Rs.14095/-(Rupees fourteen thousand and ninety five only) has been refunded/returned to UGC vide DD No."008948" (ICICI Bank) dated 15-07-2016.

  
PRINCIPAL INVESTIGATOR

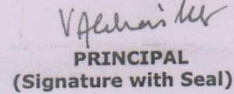
Dr. (Mrs.) S. JEYA BHARATHI  
Asst. Professor of Mathematics  
Thiagarajar College of Engineering  
Madurai - 625 015  
E-mail: sjbmat@tce.edu



M. Vijayan  
STATUTORY AUDITOR  
(Signature with Seal)

2/4

M. VIJAYAN, B.Com., F.C.A.,  
Chartered Accountant  
Membership No : 200/26972  
9,Venkataraman Road, Kamala 2nd St.,  
Chinna Chokkikulam, Madurai-625 002

  
PRINCIPAL  
(Signature with Seal)

2/4  
PRINCIPAL  
Thiagarajar College of Engineering  
Madurai - 625 015



23236351, 23232701, 23237721, 23234116  
23235733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 41-904/2012 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

23 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled,

**“Development of encapsulated phosphor materials for phosphor converted white light emitting diode (pc WLEDs) for energy saving lighting systems”**

Sir,

I am to refer to your letter forwarding the application of **Dr. M. Kottaisamy** of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of **Rs. 9,76,600/- (Rupees: nine lakh seventy six thousand six hundred only)** to the Principal, **Thiagarajar College of Engineering, Madurai-625015, TN** in r/o Major Research Project of **Dr. M. Kottaisamy**, Department of Physics for the period of 2 years w.e.f. 1.7.2012 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT	Category
A.	<b>Non - Recurring</b>		7,00,000/-	B.C
1.	Books & Journals	nil		
2.	Equipment (As per proposal)	7,00,000/-		
B.	<b>Recurring</b>			
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards.	3,36,000/-		
3.	Chemical/ Glassware / Consumable	50,000/-		
4.	Hiring Services	nil		
5.	Contingency	50,000/-		
6.	Travel/Field Work	30,000/-		
7.	Special Need	nil		
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	43,600/-		
	<b>Total (A + B)</b>	<b>12,09,600/-</b>	<b>9,76,600/-</b>	

The acceptance Certificate in prescribed format (Annexure-I available on the UGC web-site) may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

Principal Investigators should ensure that the statement of expenditure & utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

**The first instalment of the grant shall comprise of 100% of the Non –Recurring including Over Head Charges, and 50% of the total Recurring grant.**





HoDIT  
PI. duxens  
urgent  
var

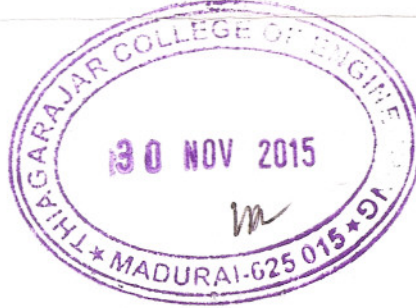
**अखिल भारतीय तकनीकी शिक्षा परिषद्**  
**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

Dr. Shiv Kumar Dubey  
Dy. Director (RIFD)

F.No.20/AICTE/RIFD/RPS(Policy-II)65/2012-13  
Dated: 18.11.2015

To

The Principal,  
Thiagarajar College of Engineering,  
Tiruparankundram, Madurai,  
Tamil Nadu – 625015.



**Sub: Change of Principal Investigator - RPS project entitled "Design and Development of Stego ..... using Multicore Environment".**

Sir,

This is with reference to your Letter no. TCE/IT/AICTE/RPS dated 02.07.2015 on the subject cited above.

On the basis of the re-evaluation and recommendation of an Expert Committee, the approval of AICTE is hereby conveyed for change of Principal Investigator for the project entitled **"Design and Development of Stego ..... using Multicore Environment"** to Dr. S. Muthuramalingam, Associate Professor to engage as the project P.I. and Mr. M. Thangavel, Assistant Professor as Co-PI **subject to submission Consent letter of P.I. (Dr. Geetha S.).** Change of PI will come into effect on submission of this document.

You are also requested to submit Annual Progress Report, Utilisation Certificate, Audited U.C., Form GFR-19, Receipt & Payment A/c showing interest, attested copies of equipment purchase bill along with copy of stock entry registrar at the earliest. All the documents should be attested by the Head of the Institute.

Sincerely yours,

18/11/15  
(Shiv Kumar Dubey)



From

Dr. S. Geetha,  
Professor,  
School of Computer Science and Engineering,  
VIT University,  
Chennai Campus,  
Vandalur - Kelambakkam Road,  
Chennai - 600 127.

To

Dr. Shiv Kumar Dubey,  
Dy. Director (RIFD),  
All India Council for Technical Education,  
NBCC Place, East Tower, 4th Floor,  
Bhisham Pitamaha Marg, Pragati Vihar,  
New Delhi-110 003.

**Sub:** Consent Letter - Change of Principal Investigator - RPS Project - Reg.

**Ref.:** F.No.20/AICTE/RIFD/RPS(Policy-II)65/2012-2013 dated: 18.11.2015

The project titled "Design and development of Stego Intrusion Detection System (STEGOIDS) for Image Convers using Multicore Environment" has been sanctioned under AICTE Research Promotion Scheme (RPS) during 2012 - 2013 with Grant-in-Aid of Rs.4,17,500/- for Dr.S.Geetha, Department of Information Technology, Thiagarajar College of Engineering, Madurai.


Due to some personal reasons, I have resigned the job from Thiagarajar College of Engineering, Madurai during 2013 - 2014. With reference to the AQIS Guidelines and Handbook (Pg.No 57, Clause 8.1.7 (f)), I would consent the following staff members to carry out the project and complete in time.

1. Dr. S. Muthuramalingam, - Principal Investigator  
Associate Professor & Head i/c,  
Department of Information Technology,  
Thiagarajar College of Engineering, Madurai.
2. Mr. M. Thangavel, - Co-Investigator  
Assistant Professor,  
Department of Information Technology,  
Thiagarajar College of Engineering, Madurai.

I would request the committee to notify the Change the Principal Investigator for above mentioned project and grant permission to the above mentioned staff members, for submitting the Annual Progress Report, Utilisation Certificate, Auditd U.C., Form GFR-19, Receipt & Payment A/c showing interest, Purchase bills and Entries of Stock Register.

Thanking You

yours truly,

  
(Dr. S. Geetha)



SR/FTP/PS-105/2010

## Science and Engineering Research Board

(A Statutory Body under Department of Science and Technology)

Technology Bhavan  
New Mehrauli Road  
New Delhi – 110 016.

Dated **20.03.2012**

### ORDER

Subject:- Financial assistance for the research project entitled "Development of  $\text{LiFePO}_4/\text{C}$ ,  $\text{Li}_2\text{FeSiO}_4/\text{C}$  based composite positive electrodes and  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  based negative electrode for high power lithium ion battery applications" by Dr. S Balaji, Department of Chemistry, Thiagarajar College of Engineering, Madurai – 625 015, Tamil Nadu.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above-mentioned project at a total cost of Rs. 7,44,000/- (Rupees seven lakh forty four thousand only) with break-up of Rs. 2,40,000/- under Capital head and Rs. 5,04,000/- under General head for a duration of three years. The items of expenditure for which the total allocation of Rs. 7,44,000/- has been approved for a period of three years, are given below:

(Amount in Rs.)

Sl. No	Head	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
<b>A</b>	<b>Non-recurring (Capital Items)</b>			
1.	Minor Equipment Annealing furnace	2,40,000/-	Nil	2,40,000/-
<b>A'</b>	<b>Total (Capital)</b>	<b>2,40,000/-</b>	<b>Nil</b>	<b>2,40,000/-</b>
<b>B</b>	<b>Recurring Items (General)</b>			
1.	Consumables	1,50,000/-	1,50,000/-	3,00,000/-
2.	Travel	20,000/-	20,000/-	40,000/-
3.	Contingencies	20,000/-	20,000/-	40,000/-
4.	Overhead Charges	60,000/-	64,000/-	1,24,000/-
<b>B'</b>	<b>Total (General)</b>	<b>2,50,000/-</b>	<b>2,54,000/-</b>	<b>5,04,000/-</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>			<b>7,44,000/-</b>

2 Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities in the project etc.

3' The sanction of the Board is also accorded to the payment of Rs. 2,40,000/- (Rupees two lakh forty thousand only) under 'Grants for creation of capital assets' and Rs. 2,50,000/- (Rupees two lakh fifty thousand only) under 'Grants-in-aid General' to the Principal, Thiagarajar College of Engineering, Madurai – 625 015, Tamil Nadu being the first installment of the grant for the year 2011-12 for implementation of the said research project.

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

5 The amount of Rs. 4,90,000/- (Rupees four lakh ninety thousand only) meant for both 'Grants-in-aid General' and 'Grants for creation of capital assets' will be drawn by the Drawing and Disbursing Officer of the SERB will be disbursed to the Principal, Thiagarajar College of Engineering, Madurai – 625 015, Tamil Nadu.





F. No. 40-3/2011 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers - Project entitled, "GSM Based ECG Tele-alert system"

I am to refer to your letter forwarding the application of Dr. (Mrs.) R. Sukanesh of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 3,97,800/- (Rupees: Three lakh ninety seven thousand eight hundred only) to the Principal, Thingaraja College of Engineering, Madurai in r/o Major Research Project of Dr. (Mrs.) R. Sukanesh, Department of Electronics for the period of 3 years w.e.f. 1.7.2011 as detailed below:-

S.No.	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT
<b>A.</b>	<b>Non - Recurring</b>		
1.	Books & Journals	nil	2,00,000/-
2.	Equipment (As per proposal)	2,00,000/-	
<b>B.</b>	<b>Recurring</b>		
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil	1,97,800/-
2.	Project Fellow @ 8, 000/- p.m.	2,88,000/-	
3.	Chemical/ Glassware / Consumable	25,000/-	
	Hiring Services	nil	
	Contingency	nil	
6.	Travel/Field Work	20,000/-	
7.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	31,300/-	
	<b>Total (A + B)</b>	<b>5,64,300/-</b>	<b>3,97,800/-</b>

The acceptance Certificate in prescribed format attached Annexure I may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained.

Otherwise the same may be returned in original to the commission by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque.

Principal Investigators should ensure that the utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The final report of the project may be submitted in typed form as well as electronically i.e. in floppy/CD



Res: i/Deepak  
Balaji  
Pl. discuss  
I will present it

Email: erip\_er@hqr.drdo.in  
Tele : 011- 23007348, 23017661  
Telefax : 011- 23017582



Defence Res & Dev Organ(UKDU) HQ  
Directorate of Extramural Research &  
Intellectual Property Rights (ER&IPR)  
'B' Wing, DRDO Bhawan, DHQ PO  
Rajaji Marg, New Delhi - 110011

Dated: 28 Sep, 2011

To

Dr. V. Abhaikumar, Principal  
Thiagarajar College of Engineering  
Thiruparankundram  
Madurai- 625015  
T.N.

Sub: Grants-in-Aid for research project titled "Synthesis & Characterization of Magneto Dielectric Substrates for Microwave Antenna Applications".

Approval of the Competent Authority is hereby accorded for a grant of Rs. 20.86 Lakh (Rupees Twenty Lakh Eighty Six Thousand Only) to Thiagarajar College of Engineering, Thiruparankundram, Madurai for pursuing the research on the subject titled project by Dr. V. Abhaikumar, Thiagarajar College of Engineering, Thiruparankundram, Madurai- 625015, as Principal investigator and Prof. S. Raju, Dept of ECE and Dr. S. Balaji, Dept. of Chemistry of same institute as Co-Investigators.

2. The grant shall be spent as follows:

Expenditure on ↓ (Rs in lakh) during →	Year 1	Year 2	Line Total
a) Staff : SRF - 01 @ Rs. 18,000/- p.m. + 15% HRA	2.484	2.484	4.968
b) Equipment (including spares thereof)	9.00	-	9.00
c) Operation and maintenance	-	-	-
d) Expendables	1.50	1.00	2.50
e) Travel (Domestic)	0.75	0.75	1.50
f) Contingencies	0.50	0.50	1.00
g) Visiting faculty or Research Consultant	-	-	-
h) Procured services (other than - (g)) and metered utilities	-	-	-
i) Institutional Overheads Charges 10% on (a) only	1.416	0.476	1.892
Column Totals	15.65	5.21	20.86

(Grand total : Rs 20.86 Lakh (Rupees Twenty Lakh Eighty Six Thousand Only).

- The project will last for Two years from the date of receipt of the first Cheque by the grantee institute.
- The grantee institution may use savings in expenditure on any head (a) to (f) above to augment another upto 10% from one component to another with a provision that increase against any component does not exceed 10% of original cost. Prior approval of DRDO shall be required to augment by more than ten per cent. Any extra payment without the prior approval of DRDO will be borne by the Grantee Institute.
- DRDO reserve the right to terminate the grant at any stage, if convinced that the grant has not been properly utilized or appropriate progress has not been made/achieved.
- The PI will submit closure reports (05 copies) to DRDO within 60 days of completion/ closure/termination of Project. The report must be attached with all necessary certificates and financial information.
- In case of an PI leaving the Institution or going abroad etc, the Executive authority of the grantee institution whom the Project has been sanctioned will ensure that the PI submits detailed technical and financial report of the work done before his/her relieve.
- The grantee institution may publicize this grant only with the prior approval of DRDO.

(Dr. D. Akhtar)  
Director

22/24



23236351, 23232701, 23237721, 23234116  
23235733, 23232317, 23236735, 23239437



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 40-265/2011 (SR)

The Under Secretary (FD-III)  
University Grants Commission  
New Delhi-110002

29 JUN 2011

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths, Medical, Agricultural Sciences and Engineering & Chemistry to University/College Teachers – Project entitled, “Critical components identification and verification for real time complex systems using artificial bee colony based approach”

Sir,

I am to refer to your letter forwarding the application of Dr. D. Jeya Mala of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 5,83,800/- (Rupees: five lakh eighty three thousand eight hundred only) to the Principal, Thiagarajar College of Engineering, Madurai in r/o Major Research Project of Dr. D. Jeya Mala, Department of Computer Science for the period of 3 years w.e.f. 1.7.2011 as detailed below:-

S.No.	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS 1st INSTALMENT
A.	Non - Recurring		
1.	Books & Journals	58,000/-	3,14,000/-
2.	Equipment (As per proposal)	2,56,000/-	
B.	Recurring		
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil	2,69,800/-
2.	Project Fellow @ 8, 000/- p.m.	2,88,000/-	
3.	Chemical/ Glassware / Consumable	nil	
4.	Hiring Services	nil	
5.	Contingency	1,20,000/-	
6.	Travel/Field Work	50,000/-	
7.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	40,800/-	
	Total (A + B)	8,12,800/-	5,83,800/-

The acceptance Certificate in prescribed format attached Annexure 1 may be sent to the undersigned within one month from the issue of the award letter failing which the project may be treated as cancelled.

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site [www.ugc.ac.in](http://www.ugc.ac.in) the Demand Draft/ Cheque being sent may be retained. Otherwise the same may be returned in original to the commission by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque.

Principal Investigators should ensure that the utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission in time.

The final report of the project may be submitted in typed form as well as electronically i.e. in floppy/CD





FD Diary No. 8813

Dated : 22/12/2014

UNIVERSITY GRANT COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

6 JAN 2015

F.No. 40-265/2011(SR)

Dated: December 2014

The Under Secretary (FD-III)  
University Grants Commission  
Bahadur Shah Zafar Marg  
New Delhi – 110002

Sub: Release of Grant-in aid to **Thiagarajar College of Engineering, Thiruparakundram, Madurai-625 015, Tamil Nadu** for the year 2014-15 under plan in respect of Major Research Project entitled "**Critical.....approach**" awarded to **Dr. D. Jeya Mala, Dept. of Computer Science** tenure of project from **1.07.2011 to 31.12.2014**.

Sir,

I am directed to convey the sanction of the University Grants Commission for payment of grant of **Rs. 3,60,320/- (Rupees Three lakh sixty thousand three hundred twenty only)** as **Second installment** for the year 2014-15 towards Major Research Project to **The Principal, Thiagarajar College of Engineering, Thiruparakundram, Madurai-625 015, Tamil Nadu** for the plan expenditure to be incurred during 2014-15.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Book & Journal	58,000/-	3(A)2202.03.102.10.01.35	.....	58,000/-	58,000/-
Equipment	2,56,000/-	3(A)2202.03.102.10.01.31	.....	2,56,000/-	2,56,000/-
Project Fellow	4,84,800/-		2,92,320/-	1,44,000/-	4,36,320/-
Chemical	.....		.....	.....	.....
Contingency	1,20,000/-		48,000/-	60,000/-	1,08,000/-
Travel/field work	50,000/-		20,000/-	25,000/-	45,000/-
Overhead Charges	40,800/-		.....	40,800/-	40,800/-
Total	10,09,600/-		3,60,320/-	5,83,800/-	9,44,120/-





ज्ञान-विज्ञान विमुक्तये

UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI - 110 002.

Annexure - IV

**Utilization certificate**

Certified that an amount of Rs. 9,44,120 /- (Rupees Nine lakh forty four thousand one hundred and twenty only) out of Rs. 10,09,600/- (Rupees Ten lakh nine thousand and six hundred only) sanctioned to "The Principal, Thiagarajar College of Engineering, Madurai" for Major Research Project of Dr.D.Jeya Mala by the University Grants Commission vide letter number F.40-265/2011(SR) dated 29/06/2011, an amount of Rs.9,33,648/- (Rupees Nine lakh thirty three thousand six hundred and forty eight only ) has been utilized for the purpose for which it was sanctioned with the terms and conditions laid down by the Commission and the balance unutilized amount of Rs.10,472/- (Rupees Ten Thousand four hundred and seventy two only) has been refunded to UGC, New Delhi, vide DD No. 008219 Dated 08/05/2015. The University has also utilized the amount of Rs.Nil as interest earned on the University Grants Commission grants.

If as a result of check or audit objection, some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the objected amount.

Signature-----  
(Principal Investigator)

Signature-----  
(Statutory Auditor)

Signature-----  
(Registrar/Principal)



Seal/Stamp

M. VIJAYAN, B.Com., F.C.A.,  
Chartered Accountant  
Membership No : 200/26972  
'Thiruvurul', Natham Road,  
Thirupalai, Madurai - 625 014.

PRINCIPAL  
Thiagarajar College of Engineering  
Madurai 625 015

Seal/Stamp





विश्वविद्यालय अनुदान आयोग

बहादुरशाह जफर मार्ग

नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION

BAHADURSHAH ZAFAR MARG

NEW DELHI-110 002

May, 2016

F.No. 40-265/2011 (SR)

The Principal,  
Thiagarajar College of Engineering,  
Madurai-625015, Tamil Nadu.

24 MAY 16

Sub: - Major Research Project entitled "Critical.....approach" awarded to  
Dr. D. Jeya Mala, Department of Computer Science.

Sir,/ Madam,

With reference to your letter dated 21.04.2016 an amount of Rs. 10,472/- has been received in the UGC account. I am directed to say that as per the Final settlement of the account nothing is due against the University. The account has been treated as settled or finalized.

Yours faithfully,

(G. S. Aulakh)  
Under Secretary

Copy to:-  
Dr. D. Jeya Mala,  
Department of Computer Science,  
Thiagarajar College of Engineering,  
Madurai-625015, Tamil Nadu.

(Arun Kumar Sinha)  
Section Officer



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
4<sup>TH</sup> Floor, East Tower, N.B.C.C. Place, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110003

Ref. No: 8023/RID/RPS-992011-12

December 26, 2011

The Drawing and Disbursing Officer  
All India Council for Technical Education  
7<sup>TH</sup> Floor, Chandralok Building,  
Connaught Place, New Delhi - 110 001.

**Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2011-12.**

Sir,

This is to convey the sanction of the Council for payment of **Rs. 500000/- (Rupees Five Lakh Only)** during 2011-12 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme as per details given below:

1.	Name of the Beneficiary Institution (University / College / Institution)	: Thiagarajar college of Engineering Thirupparankudram Madurai-625015 Tamilnadu
2.	Principal Investigator's Name & Deptt.	: Dr. S. Jeya Bharathi Mathematics
3.	Grant-in-aid Sanctioned	: Rs. 500000/-
4.	Amount to be released	: Rs. 500000/-
5.	Approved Duration	: 2 Years (Two Years)
6.	Title of the Project	: Parameter Estimation for Parallel Communication Context Free Graph Grammer

1. The sanctioned grant-in-aid is debitable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2011-12
2. The grant-in-aid of the grant 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 account of **Principal, Thiagarajar college of Engineering, Thirupparankudram, Madurai-625015, Tamilnadu** through RTGS.
3. 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 the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

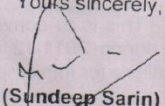
Contd...2/-



Ref. No. 8023/RID/RPS-992011-12

15. The Grantee shall fully implement to the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
16. The funds to the extent are available under the scheme.
17. 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.

Yours sincerely,

  
 (Sundeep Sarin)  
 Advisor (RIFD)

Note: The prescribed formats & Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. The Principal  
**Thiagarajar college of Engineering**  
**Thirupparankudram**  
**Madurai-625015**  
**Tamilnadu**
2. Dr. S. Jeya Bharathi  
**Mathematics**  
**Thiagarajar college of Engineering**  
**Thirupparankudram**  
**Madurai-625015**  
**Tamilnadu**
3. Office of Director General of Audit  
**GENERAL REVENUES,**  
**AGCR BUILDING**  
**I.P. STATE, NEW DELHI-110 002.**
4. Guard File



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
4<sup>th</sup> Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road,  
Pragati Vihar, New Delhi-110003

Ref. No.: 8023/RIFD/RPS/992011-12

Name of the Principal : Dr. S. Jeya Bharathi  
Mathematics

Name of the Institution : Thiagarajar college of Engineering  
Thirupparankudram

Title of the Project : Madurai-625015  
Tamilnadu  
Parameter Estimation for Parallel Communication Context Free Graph Grammer

Approved Items of Expenditure (Non-Recurring)

Sl. No.	Approved Items (As per proposal)
1.	High-End Desktop Computer, Laptop Computer and Accessories
2.	Automata Simulator/COMPGRAPH Software
3.	Maple12 <i>software</i>

Total Approved Amount Rs. 500000/- (Rupees Five Lakh Only)

(Sundeep Sarin)  
Advisor (RIFD)



# All India Council for Technical Education

7<sup>th</sup> floor, Chanderlok Building, Janpath,

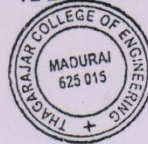
New Delhi -110 001

## Utilization Certificate

Certified that the grant of Rs.5,00,000/- (Rupees five lakhs only) received from All India Council for Technical Education under the scheme of support for Research Promotion Scheme project entitled Parameter Estimation for Parallel Communication Context free Graph Grammar vide AICTE letter No8023/RID/RPS-992011-12 Dated December 26, 2011 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the All India Council for Technical Education.

*S. Jayabharathi*  
SIGNATURE OF THE  
PRINCIPAL  
INVESTIGATOR

*V. Jeyaraj*  
REGISTRAR  
/PRINCIPAL



*M. Vijayan*  
AUDITOR

*1/3*  
M. VIJAYAN, B.Com., F.C.A.,  
Chartered Accountant  
Membership No : 200/26972  
Trul, Natham Road,  
Murupatal, Madurai - 625 014.

Place Madurai  
Dated 11/10/14



12

No. SR/FTP/ETA-120/2010  
Science and Engineering Research Board  
(SERB)

4a

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110016  
15.05.2012

ORDER

**Subject:** Financial assistance for research project under FAST TRACK SCHEME FOR YOUNG SCIENTIST entitled "*Design and Development of Capacitive RF MEMS Shunt Switch as high speed digital interconnects for Space applications*" by Dr.(Mrs.) S. Kanthamani, Senior Lecturer, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu—Release of 1<sup>st</sup> installment.

Sanction of the SERB is hereby accorded to the above mentioned project at a total cost of Rs. 23,20,000/- (Rupees twenty three lakhs twenty thousand only) with the break-up of Rs. 18,50,000/- under Capital head and Rs. 4,70,000/- under General head for a duration of 3 years. The items of expenditure for which the total allocation of Rs. 23,20,000/- has been approved for 3 years are given as below :-

		(Amount in Rs)
Sl No	Head	Total
A	Non-recurring (Capital Items)	
I	Pmt Equipment: Hand held spectrum analyser, probe GS 100 angle connectors, mobile workstation-HP, RF MEMS Switch fabrication (including necessary components with fabrication charges as per IISc. Nanofab.)	18,50,000/-
A'	Total (Capital)	18,50,000/-
B	Recurring (General Items)	
I	Consumables	60,000/-
II	Contingency	50,000/-
III	Travel (attending DST meetings)	60,000/-
IV	Over Heads	3,00,000/-
B'	Total (General)	4,70,000/-
C	Grand Total (A'+B')	23,20,000/-

S. Sankaranarayanan

- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project, etc.
- Sanction of the SERB is also accorded to the payment of Rs. 20,20,000/- (Rupees twenty lakhs twenty thousand only) with the break-up of Rs. 18,50,000/- (Rupees eighteen lakhs fifty thousand only) under head 'Grants for creation of capital assets' (46.01.35) and Rs. 1,70,000/- (Rupees one lakh seventy thousand only) under head 'Grants-in-aid General (46.01.31)' to the Principal, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu being the first installment of grant for the year 2012-13 for implementation of the above said project.
- Sanction of the grant is subject to the conditions as detailed in Annexure-I.
- The amount of Rs. 20,20,000/- (Rupees twenty lakhs twenty thousand only) will be drawn by the Drawing and Disbursing Officer, SERB and will be disbursed to the Principal, Thiagarajar College of Engineering, Madurai-625015, Tamil Nadu by means of an A/C payee cheque.
- The Institute will furnish to the SERB Utilization Certificate (U/C) and audited Statement of Expenditure pertaining to the grant immediately after the end of each financial year.
- All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of SERB.
- 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.

.....2/-



**ADA****NATIONAL PROGRAMME ON  
MICRO AND SMART SYSTEMS****NPMASS**

Dr K Vijayaraju  
Project Director(NP-MASS)

ADA : NP-MASS: ProjSanc:1.11

29<sup>th</sup> April 2010**PROJECT SANCTION LETTER**

Reference is made to the project proposal submitted by Thaigarajar college of Engineering, Madhurai. The sanction of the Board for Smart Materials Research and Technology is conveyed as below:

- (a) Title of the Project Varactor based RFMEMS Phase Shifter for Ku Band Applications
- (b) Project Institution and address Department of ECE  
Thaigarajar College of Engineering  
Madurai, Tamilnadu - 625 015
- (c) Principal Investigator Dr. (Mrs) S. Raju  
Dept. of ECE
- (d) Other participating Organizations SCL - Chandigarh
- (e) Sanctioned Cost Rs. 134.30 Lakhs
- (f) Duration of the project 2 years
- (g) Deliverables
- RF Varactor for Phase shifter at Ku band
  - Technical reports giving the details on design, fabrication and testing.
- (h) Controlling PARC PARC #1
- (i) Project Ref No. Project # 1:11
- (j) Budget Head- wise split up of the NPMASS grant

(Rs. in lakhs)

Budget Head	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
Manpower	2.25	2.25	4.50
Equipment / Facilities	30.00	0.00	30.00
Consumables	1.50	1.50	3.00
Fabrication cost (to be paid to SCL Chandigarh)	43.00	43.00	86.00
Contingencies	0.75	0.75	1.50
TADA	1.50	1.50	3.00
Overheads	5.00	1.30	6.30
Total	84.00	51.30	134.30
Total Project Cost in words	Rupees One Crore Thirty Four Lakhs and Thirty Thousand Only.		

...2

**Programme Cell - NPMASS**

Aeronautical Development Agency, P.B. No. 1718, Vimanapura Post, Bangalore - 560 017, India  
Tel: +91-80-25087385, Telefax: +91-80- 25236146, Email: vijay@jetmail.ada.gov.in / npmass@jetmail.ada.gov.in



NIRP - Jan 2014 - Dec 2014

m - Learning

Financial year  
APR - Mar

**PROFORMA FOR SUBMITTING SIX-MONTHLY FINANCIAL  
& TECHNICAL PROGRESS REPORT**

**1. General**

- A. Name of the Project : Content Generation, Adaptation and Distribution in M-Learning Environment using Mobile Phone Applications
- A.1 Our Reference Letter No. : 11(13)/2010 – IG Dt: 07.03.2011
- A.2 Executing Agency : Thiagarajar College of Engineering, Madurai
- A.3 Chief Investigator with Designation : Dr.(Mrs)S. Raju, (Prof & Head, ECE)  
Dr.S. Mercy Shalinie, (Asso.Prof & Head, CSE)
- A.4 Total Cost of the Project as approved by DIT : Rs. 99,29,000.00  
i) Original  
ii) Revised if any
- A.5 Date of starting (date of first sanction) : 07.03.2011
- A.6 Date of completion : 06.09.2013  
i) Original Expected date of completion : Mar 2012  
ii) Revised, if any No. 11(13)/2010-ELG (Vol.II) : Jun 2012  
No. 11(13)/2010-ELG (Vol.II): Dec 2012  
No. 11(13)/2010-ELG (Vol.II): Mar 2013  
: Sep 2013
- A.7 Date on which last progress report was submitted : 02.08.2013

**B. Financial**

- a) Funds released by DIT upto Mar 2012 : Rs. 34,76,000.00
- b) Funds released by DIT last financial year : Rs. 37,78,945.00
- c) Funds released during the current financial year : Rs. 21,01,987.00
- d) Total funds released so far by DIT (a+b+c) : Rs. 93,56,932.00
- e) Total funds released so far by other agencies : Nil
- f) Interest earned upto 31.03.2012 : Rs. 9,575.00  
Interest earned 01.04.2012 to 31.03.2013 : Nil
- B.2 Amount spent  
a) upto 31.03.2012 : Rs. 35,17,348.00



- b) Previous financial year  
(01.04.2012 to 31.03.2013) : Rs. 38,69,471.00
- c) During current financial year  
(01.04.2013 to 06.09.2013) : Rs. 25,42,181.00
- d) Total amount spent so far from DIT funds upto  
06.09.2013 : Rs. 99,29,000.00
- e) Amount spent so far:  
from funds from other agencies : Nil
- B.3 Balance available as on 06.09.2013 : Rs. -5,62,493.00
- B.4 Funds likely to spent : -
- B.5 Funds actually required : Rs. 5,62,493.00
- B.6 Funds required from DIT : Rs. 5,62,493.00
- B.7 Budgetary Estimate for next Financial Year : -
- B.8 Item-wise break up of expenditure  
As given in Table - 1. :
- B.9 Total list of the capital equipment :  
Purchased out of the funds as given in Table - 2 & 2A :
- B.10 Utilization Certificate and copy of asset Register :  
As per enclosed GFR 19A\* and Form GFR 19 :

**C. Technical**

- C.1 Details of the manpower associated  
with the project as per Table-3.  
Specify Technical assignments of each  
Project personnel. : Annexure - I
- C.2 Suggestions of Steering Committee  
And follow-up action taken thereafter : Nil
- C.3 Works completed w.r.t. the proposed  
works as per Annual Plan ( 2013-2014 )  
and specific intermediate milestones,  
reasons for any shortcomings, in  
achieving the goals (give details on  
a separate sheet) : Annexure - II



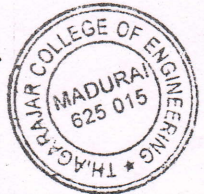
- C.4 Proposed plan-of-work in the next Six months highlighting the proposed Action to be taken to achieve the Originally proposed targets. : Annexure - III
- C.5 Any additional comments : Nil

*S. S. S. S. S.*

Name and Signature of  
Chief Investigator

*S. S. S. S. S.*

Signature of  
Finance Officer



*V. S. S. S. S.*

Signature of Head of  
Institution/ Organization

Thiagarajar College of Engineering  
Madurai - 625 015

Date:

\*(Two times in a financial year – i) April – September & ii) October – March



**TABLE 4: List of Assets Acquired  
(Rs.)**

<b>No.</b>	<b>Description</b>	<b>Total Cost</b>
1.	Workstation Machines	4,98,000.00
2.	Video Camera & Accessories	2,11,600.00
3.	Data Video Switcher & Accessories	3,79,000.00
4.	Data Video Equipment	2,22,400.00
5.	Mackie Audio Equipment	91,600.00
6.	Lighting Equipment	1,33,000.00
7.	Video Streaming Servers	4,89,300.00
8.	Blade Enclosure	4,93,500.00
9.	SAN Storage Array	4,67,200.00
10.	Wavion & Ruckus Science Block and Gents Hostel	3,00,500.00
11.	Wavion & Ruckus Auditorium and Main Block	3,07,000.00
12.	Wavion & Ruckus Ladies Hostel and Canteen	2,98,000.00
13.	Storage & Backup Device	3,76,950.00
14.	Printer CLX 6220 FX	1,04,000.00
15.	Presentation Recorder and Streamer	3,24,264.00
16.	Mobile Phones	1,02,500.00
17.	ipad	50,900.00
18.	LCD TV	52,190.00
19.	HP Storage Encl.	4,85,100.00
20.	HP Storage Disk	1,44,900.00
21.	Numeric UPS	4,82,338.00
22.	DC Power Pack	2,35,758.00
	<b>Total</b>	<b>62,50,000.00</b>



# Form GFR 19-A

## Form of Utilization Certificate

Project: Content Generation, Adaptation and Distribution in M-Learning Environment using Mobile Phone Applications

Period: 07.03.2011 to 06.09.2013

Sl. No.	Letter No. and Date	Amount	Amount certified that out of Rs. 93,56,932.00 of Grants - in - aid Received during the years 2011-2012, 2012-2013 and 2013-2014 in favor of <b>Thiagarajar college of Engineering</b> under this Ministry/Department Letter No. 11(13)/2010 - IG Dt: : 07.03.2011, Fund Transfer Dt: 03.02.2012, 02.07.2012, 11.02.2013, 29.04.2013, 04.09.2013 Interest amount received a sum of Rs. 9,575.00 and Nil on account of unspent balance of the year, a sum of Rs. 99,29,000.00 lakhs has been utilized for the purpose of for which it was sanctioned and that the balance of Rs. remaining unutilized at the end of the year will be carried forward towards the grants-in-aid payable during the next year 2012-2013
1.	11(13)/2010 - IG Dt: 07.03.2011	Rs. 17,38,000.00	
2.	Fund Transfer Dt: 03.02.2012	Rs. 17,38,000.00	
3.	Interest Received	Rs. 9,575.00	
4.	Fund Transfer Dt: 02.07.2012	Rs. 34,64,725.00	
5.	Fund Transfer Dt: 11.02.2013	Rs. 3,14,220.00	
6.	Fund Transfer Dt: 29.04.2013	Rs. 1,01,987.00	
7.	Fund Transfer Dt: 04.09.2013	Rs. 20,00,000.00	

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised.

1. Vouchers
2. Cash Book
3. Bank Book
4. Ledgers

Finance Officer

Chief Investigator

Competent Authority

Thiagarajar College of Engineering  
Madurai - 625 015



Thiagarajar College of Engineering, Madurai

Department of Civil Engineering

Submitted to the Chairman and Correspondent

05-05-2015 / 1478

Respected Sir,

SUB: IAMWARM Project - Overhead charges to college and Honorarium for staff involved - Approval requested - regarding.

Department of Civil Engineering has undertaken projects sanctioned by Public Works Department, Madurai under IAMWARM scheme. The total cost of the completed IAMWARM project for nine sub-basins are Rs.49,97,300/=(Rupees fortynine lakhs ninetyseven thousand and three hundred only). As per the existing norms of the college, it is proposed to transfer 15% of the project cost as Overhead charges to the college and 5% as honorarium to the staff members involved in the projects. The Overhead project cost of 15% works out to Rs.7,49,600/= and honorarium of 5% works out to Rs.2,49,900/=.

Hence, we kindly request you to grant approval to transfer 15% of project cost of Rs.7,49,600/= from IAMWARM project to college account and 5% of project cost of Rs.2,49,900/= as honorarium for the staff members.

Thanking you,

yer  
M  
7/2

Yours faithfully,

V. Jeyaraj

PRINCIPAL

by  
S. Jeyaraj  
7/2



Email: erip\_er@hqr.drdo.in  
Tele : 011-23007348, 23017661  
Telefax : 011-23017582



No.ERIP/ER/0904508/M/01/ 125  
Govt of India, Min of Defence  
Defence Res & Dev Organ(DRDO)  
Directorate of Extramural Research &  
Intellectual Property Rights (ER&IPR)  
'B' Wing, DRDO Bhawan, DHQ PO  
Rajaji Marg, New Delhi - 110105

Dated: 12<sup>th</sup> Oct, 2010

To

Dr. (Mrs.) B. Manimegalai  
Assistant Professor  
Dept. of ECE  
Thiagarajar College of Engg.  
Madurai - 625 015

Sub: Grants-in-Aid for research project titled "Development of Miniaturized Fractal Antenna for Multiband Wireless Applications"

A grant of Rs 11.00 Lakh (Rupees Eleven Lakh only) has been approved by DRDO to Thiagarajar College of Engg., Madurai for pursuing the research on the subject titled project by Dr. (Mrs.) B. Manimegalai, Assistant Professor, Dept. of ECE, Thiagarajar College of Engg., Madurai - 620 015 as Principal Investigator

The grant shall be spent as follows:

Expenditure on ↓ (Rs in lakh) during →	Year 1	6 months	Line Total
a) Staff - SRF - 01 @Rs. 14,000/- pm. + 10 % HRA	1.848	0.924	2.772
b) Equipment (including spares thereof)	6.35	-	6.35
c) Operation and maintenance	-	-	-
d) Expendables	-	-	-
e) Travel (Domestic)	0.35	-	0.35
f) Contingencies	0.30	-	0.30
g) Visiting faculty or Research	-	-	-
h) Procured services (other than (g)) and metered utilities	-	-	-
i) Institutional Overheads Charges	1.082	.146	1.228
Column Totals	9.93	1.07	11.00

(Grand total : Rs 11.00 Lakh (Rupees Eleven Lakh Thousand only))

- The project will last for One and Half Years from the date of receipt of the first cheque by the grantee institute.
- The grantee institution may use savings in expenditure on any head (a) to (f) above to augment another upto 10% from one component to another with a provision that increase against any component does not exceed 10% of its original cost. Prior approval of DRDO shall be required to augment by more than ten per cent. Any excess payment without the prior approval of DRDO will be borne by the Grantee Institute.
  - DRDO reserve the right to terminate the grant at any stage, if convinced that the grant has not been properly utilized or appropriate progress has not been made/achieved.
  - The PI will submit closure reports (05 copies) to DRDO within 60 days of completion, closure/termination of Project. The report must attached with all necessary certificates and financial informations.
  - In case of an PI leaving the Institution or going abroad etc, the Executive authority of the grantee institute to whom the Project has been sanctioned will ensure that the PI submits detailed technical and financial report of the work done before his/her relieve.
  - The grantee institution may publicise this grant only with the prior approval of DRDO.

(Dr. S. Sankaran)  
Director