

G/CET/013/2018-19, Dt. 10/08/2018

Tele: 011-23007335

No ERIP/ER/1504754/M/01/1719

Telefax: 011-23017582



Government of India, Ministry of Defence  
Defence Research & Development Orgn.  
Directorate of Extramural Research and  
Intellectual Property Rights (ER&IPR)  
DRDO Bhawan, Rajaji Marg, DHQ PO  
New Delhi - 110 011

26 Jul 2018

To

Principal  
Geethanjali College of Engineering & Technology, Cheeryl (V)  
Keesara (M), RR District, Telangana - 501301

Sub : **RELEASE OF 1st INSTALLMENT OF GRANTS-IN-AID FOR DRDO SPONSORED PROJECT TITLED "Development of Novel Carbon Nanotube/polymer Nanocomposite Materials for EMI Applications".**

1. Please refer our Sanction letter No ERIP/ER/1504754/M/01/1719 dated 2 Apr 2018.
2. An amount of ₹3039000/- (Rupees Thirty Lakh Thirty Nine Thousand only) has been transferred to your account through **NEFT** mode towards the payment of **1st installment of the Grants-In-Aid**. Photo copy of cheque slip is enclosed herewith. An official receipt of the payment may please be sent immediately for our records and confirmation.

➤ Interest earned from DRDO released funds must be included in the expenditure account & UC. The amount of interest portion should be refunded through issuance of demand draft in favour of CDA (R&D), New Delhi. The release of further grant is subject to refund of interest earned from previous release.

➤ Equipments funds amounting to ₹ 2252000/- have been sanctioned & released for 1<sup>st</sup> year duration to procure earmarked equipments (copy attached). It is advised to utilize the equipments grant in the 1<sup>st</sup> year duration for creation of assets.

➤ Appointment of staff shall be as per rules and regulation of the grantee institution and selection proceeding, joining report and qualification of selected candidates be sent to this office. Govt regulation be followed, as applicable.

**The Project duration for the subject project is - 20.7.18 to 19.7.21**

3. The grant shall be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that expenditure should not be exceeded the limit of sanctioned amount under any head. **Expenditure over & above sanctioned level under any expenditure heads without prior approval of DRDO will have to be borne by the grantee institute.**

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*Gre*

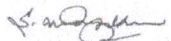
**PRINCIPAL**  
Geethanjali College of Engg. and Tech.  
Cheeryl (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

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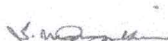
**UTILIZATION CERTIFICATE**

**FY 2018-2019 (From 20-7-2018 to 31-3-2019 )**

Certified that sum of Rs.30.39 lakh was sanctioned as grants-in-aid during the Year 2018-2019 in favour of Geethanjali College of Engineering and Technology, Instt) vide DRDO letter No. ERIP/ER/1504754/M/01/1719 dated 2-4-2018. A sum of Rs.30.39 lakh released vide Letter No. ERIP/ER/1504754/M/01/1719 dated 26-7-2018, an amount of Rs.44,794/- accrued as interest (if any) during the year and Nil on account of unspent balance of the previous year, a sum of Rs.16,23,988/- has been utilized for the purpose for which it was sanctioned and that the balance of Rs.14,59,806/- remaining unutilized at the end of the year will be adjusted toward the grants-in-aid payable during the next year i.e. 2019-20

  
Principal Investigator

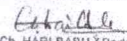
  
Accounts/Finance Officer

  
Administrative Authority

(with official seal)  
PRINCIPAL  
Geethanjali College of Engg. and Tech.  
(Cheeryl (V), Keesara (M), Medchal Dist.(T.S.)-501 301)

2. Certified that I have satisfied myself 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.

For HARI BABU & ASSOCIATES  
CHARTERED ACCOUNTANTS  
Firm Regn. No. 001054S

  
(Ch. HARI BABU) Partner  
M. No. 022361

Signature of Audit Authority of  
Grantee Institution

1



**PRINCIPAL**  
Geethanjali College of Engg. and Tech.  
Cheeryl (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

**Statement of Expenditure**  
(Period: 1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019)

Sr. No.	Sanctioned Heads	Total Funds Allocated (indicate sanctioned or revised)	Total Funds Released (Including interest)	Expenditure Incurred				Total Expenditure till 31 <sup>st</sup> March 2019 VIII= IV+V+VI+VII	Balance as on 31 <sup>st</sup> March 2019 IX= III - VIII
				1 <sup>st</sup> Year (23 <sup>rd</sup> Sep. 2015 to 31 <sup>st</sup> March 2016)	2 <sup>nd</sup> Year (1 <sup>st</sup> April 2016 to 31 <sup>st</sup> March 2017)	3 <sup>rd</sup> Year 1 <sup>st</sup> April 2017 to 31 <sup>st</sup> Mar. 2018)	4 <sup>th</sup> Year (1 <sup>st</sup> April 2018 to 31 <sup>st</sup> Mar. 2019)		
(I)	(II)		(III)	(IV)	(V)	(VI)	(VII)	(VIII)	(IX)
1.	<b>Non-recurring (Capital Items)</b> Equipments [GNSS Receiver, Work Station and Printer]	<b>Rs.15,00,000/-</b>	<b>15,00,000/-</b>	Rs.7,48,860/-	Rs.7,48,859/-	-Nil-	-Nil-	Rs.14,97,719/-	-Nil- (Balance Rs.2,281/- returned to SERB DST)
2.	<b>Recurring Items (General)</b> General-A: (Consumables, Contingencies & Travel-domestic) General-B: (Overhead Charges)	<b>Rs.3,50,000/-</b>  <b>Rs.3,00,000/-</b>	<b>3,38,605/-</b> <b>(*includes interest)</b> <b>3,00,000/-</b>	Rs.40,679/-  Rs.58,500/-	Rs.36,962/-  -Nil-	Rs.78,672/-  Rs.2,41,500/	Rs.1,83,051/-  -Nil-	Rs.3,39,364/-  Rs.3,00,000/-	Rs.-759/-  -Nil-
	<b>Total</b>	<b>Rs.21,50,000/-</b>	<b>Rs.21,38,605/-</b>	<b>Rs.8,48,039/-</b>	<b>Rs.7,85,821/-</b>	<b>Rs.3,20,172/-</b>	<b>Rs.1,83,051/-</b>	<b>Rs.21,37,083/-</b>	<b>Rs.-759/-</b>

*Principals*  
(Dr. V. Satya Srinivas)  
Signature of PI  
Date: 29/4/2019

*S. Udaya Kumar*  
(Dr. S. Udaya Kumar)  
Signature of Head of the Institute (with seal)  
Date: 29/4/2019

*B. Manesham*  
(B. Manesham)  
Accounts Officer of the Institute  
Date: 29/4/2019

*C. Hari Babu*  
(C. HARI BABU) Partner  
M. No. 0223061  
Auditor  
Date: 30/4/19



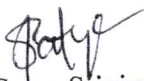
**UTILISATION CERTIFICATE**  
**[FOR THE FINANCIAL YEAR - 2018-19 (1<sup>st</sup> April 2018 to 31<sup>st</sup> MARCH 2019)]**  
**(Recurring head)**

1. Title of the Project/ Scheme: "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath" under start up grant for young scientist scheme.
2. Name of the Institution: Geethanjali College of Engineering and Technology (GCET)
3. Name of the Principal Investigator: Dr. V. Satya Srinivas
4. Science & Engineering Research Board (SERB)  
Sanction order No & date sanctioning the project: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> Sept. 2015  
(First financial sanction order)
5. Head of account as given in the original sanction order: B. Recurring Items (General):
  1. General A (Consumables, Contingencies, Travel-domestic).
  2. General B (Overhead Charges).
6. Amount brought forward from the previous Financial year quoting SERB letter no and date in which the authority to carry forward the said amount was given : i. Amount: **Rs.28,733/-**  
ii. Letter No.: SR/FTP/ES-156/2014  
iii. Date: 4<sup>th</sup> Sept. 2015
7. Amount received during the financial year (Please give SERB Sanction order no and date) : i. Amount: **1,50,000/-**  
ii. Order No: SR/FTP/ES-156/2014  
iii. Date: 27<sup>th</sup> June 2018
8. Interest earned : **Rs.3,559/-**
9. Total amount that was available for expenditure (excluding commitments) during the financial year (Sr. No. 6+7+8) : **Rs.1,82,292/-**
9. Actual Expenditure (excluding commitments) Incurred during the financial year (upto 31<sup>st</sup> March) : **Rs.1,83,051/-**
10. Balance amount available at the end of the financial year: -Nil-
11. Unspent balance refunded, if any (please give details of cheque no etc.): -Nil-
12. Amount to be carried forward to the next financial year (if applicable): -Nil-

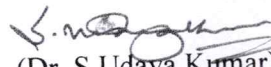
  
**PRINCIPAL**  
 Geethanjali College of Engg. and Tech.  
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

**UTILISATION CERTIFICATE**  
**(Recurring head)**

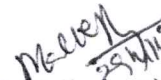
Certified that out of **Rs.1,50,000/- (Rupees One Lakh Fifty Thousand)** of grants-in-aid sanctioned during the year **2018-19** in favour of Geethanjali College of Engg. & Tech., vide SERB order No. **SR/FTP/ES-156/2014**, dated: **27<sup>th</sup> September 2018** and **Rs.28,733/- (Rupees Twenty Eight Thousand Seven Hundred and Thirty Three)** on account of unspent balance of the previous year, **Rs.3,559/- (Rupees Five Hundred and Fifty Nine)** earned as interest during FY.2018-19, and out of total available balance of **Rs. 1,82,292/- (Rupees One Lakh Eighty Two Thousand Two Hundred and Ninety Two)**, a sum of **Rs.1,83,051/- (Rupees One Lakh Eighty Three Thousand Fifty One)** has been utilised for the purpose of execution of the project entitled "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath" for which it was sanctioned and that the balance of **Rs.-Nil-** (remaining unutilized at the end of the year will be adjusted towards the grants-in-aid payable during the next year i.e. 2019-20.

  
(Dr. V. Satya Srinivas)  
Signature of PI

Date: 29/4/19


  
(Dr. S. Udaya Kumar)  
Signature of Head of the  
Institute

Geethanjali College of Engg. and Tech.  
Cheeryal (V), Keesara (M), Medchal Dist.(H.S.)-501 301.  
Date: 29/4/19

  
(B. Mallesham)  
Accounts Officer  
of the Institute

Date:

HARI BABU & ASSOCIATES  
CHARTERED ACCOUNTANTS  
Firm Regn. No. 022301

  
(Ch. HARI BABU) Partner  
Auditor  
M. No. 022301

Date: 30/4/19

UDIN No :-  
19022361AAAAAD2782

(Countersigned in SERB)

Signature:

Designation:

Date:

  
**PRINCIPAL**  
Geethanjali College of Engg. and Tech.  
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

No.GCET/ECE/R&D/SERB/2019

Date:11<sup>th</sup> June 2019

To  
Dr. Umesh Kumar Sharma  
Scientist-E  
Earth and Atmospheric Sciences,  
Science and Engineering Research Board (SERB),  
5&5A, Lower Ground floor,  
Vasant Square Mall, Sector-B, Pocket-5,  
Vasant Kunj, New Delhi - 110070

**Sub:-**Submission of Project completion report, statement of expenditure and fund utilization certificate – DST sponsored project entitled “Investigation of Linear Combinations of GNSS Data to Mitigate the Effect of Ionosphere and Multipath” - Reg.

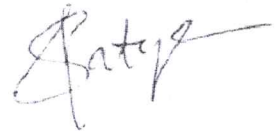
Ref: DST Sanction Order No: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

Dear Sir,


This is with reference to the subject cited above. I herewith enclose the statement of expenditure and fund utilization certificates for the period **1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019** duly endorsed by the head of the institute along with five copies (05 No's) of Project completion report for your kind perusal.

Thanking you,

Sincerely,



Dr. V. Satya Srinivas  
(Principal Investigator)

  
PRINCIPAL  
Geethanjali College of Engg. and Tech.  
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Speed Post

RCET/101/2019-2020, DT. 20-02-2020



## सूक्ष्मतरंग नलिका अनुसंधान तथा विकास केन्द्र

बी.ई.एल. कांप्लेक्स, जालहल्ली, बेंगलूरु -560013

Microwave Tube Research and Development Centre

BEL Complex, Jalahalli, Bangalore-560013, Karnataka

EPABX: 28380388/28382402 Fax: 28381750/28386804/28386809 e-mail: mmg@mtrdc.drdo.in

रक्षा अनुसंधान तथा विकास संगठन, रक्षा मंत्रालय, भारत सरकार - Defence Research & Development Organization, Ministry of Defence, Government of India

संख्या/No. MTRDC/MMG/17111/LPO/134/18-19/BUP,

दिनांक/Date: 13 फरवरी/Feb.2020


सेवा में/To,

M/s Geethanjali College of Engineering and Technology  
Sy. No. 33 & 34, Cheeryal (V), Keesara (M),  
Medchal District - 501 301 (Telangana)

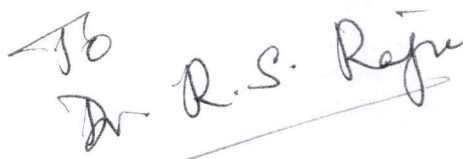
**विषय/SUBJECT: FORWARDING OF AMENDMENT-I TO CARS IN R/o "DESIGN AND SOLENOID MAGNET SYSTEMS FOR BACKWARD WAVE OSCILLATOR"**


Reference: Our CARS contract of even No. dated 29.11.2018

1. Please find enclosed Amendment-I to CARS contract of even No. dated 29.11.2018 for the subject item.
2. Kindly, acknowledge on receipt.

  
एस. विजय महेंद्रा/S. VIJAY MAHENDRA  
भंडार अधिकारी/STORES OFFICER  
वृत्ते निदेशक/FOR DIRECTOR

Encl: a/a.

  
Dr. R.S. Raju

  
9/2/2020



PRINCIPAL  
Geethanjali College of Engg. and Tech.  
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

# GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

Date: February 06, 2020

GCET ref. : GCET/MTRDC/2018

MTRDC ref.: MTRDC/MMG/1711/LPO/134/18-19/BUP/; CARS project titled "design and development of solenoid magnet for BWO"

Subject : Request for: (a) sanction of Rs 90,000 to procure equipment/materials to fabricate and test scale-down lab model of solenoid and (b) formation purchase committee to procure these items.

There is a provision in our MTRDC project to procure equipment and also materials necessary to build a lab model to validate our simulated results of solenoid magnet. The present costs of these items are:

1. Gauss meter with two Hall probes	Rs 20,000
2. Miscellaneous times: Multi-meter+Thermocouples+LC meter	Rs 10, 000
3. Insulate copper wire and aluminum frame and other materials	Rs 15,000
4. Power supply (50V/100A) to energize solenoid	Rs 45,000

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Total Rs 90,000  
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Principal is requested to approve advance of Rs 90,000 from college funds to procure the above items. The amount will be returned soon after the payment is received from MTRDC. It is informed that we spent only Rs 80,000 out of an allocated amount of Rs 1,90,000.

A purchase committee comprising of the following members may be approved to procure the above items.

- Dr RS Raju, Dean, R&D and PI
- Mr B Mallesham, Accounts officer
- Dr Narasimhulu, Professor, ECE
- Mr Naresh Kumar, Asst. Professor, ECE

*RS Raju*  
15/2/2020  
(RS Raju)

Principal Investigator

Encl.: Copy of contract attached for immediate information.

Principal

*AD*  
*as per quotation attached*  
*pose pay clear*  
*M*

*Submitted to Secretary for approval.*

*SR*  
*9/06/02/20*

*Secretary*



TEJA EDUCATIONAL SOCIETY(GCET)

Sub-Ledger DRDO Sponsored Project-MTRDC(CARS) 01-04-2018 To 31-03-2019

Date Voucher Cheq. No Branc Account Debit Credit Balance Narration

Number R.no Amount Amount

DRDO Sponsored Project-MTRDC(CARS)

Date	Voucher Number	Cheq. R.no	Branc Account	Amount	Amount	Debit	Credit	Balance	Narration
02-28-2019	Jrn:1062		Journal Entries Control A/C		31,000.00			31000.00	Dr Towards Staff Salaries payable for the Month of FEBRUARY'19
03-18-2019	Jrn:1240		S.V.Electronics Ltd		73,400.00			104400.00	Dr Twds.cost of DELL Vostro System & Printer (Brother) B:5789
03-30-2019	Jrn:1148		Journal Entries Control A/C		31,000.00			135400.00	Dr Towards Staff Salaries payable for the Month of MARCH'19
			Total (Rup)		135,400.00				



*Sne*

PRINCIPAL  
Geethanjali College of Engg. and Tech.  
Cheeryl (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

**Project Title: Alternate Energy using Stored Water**  
(Inhouse project)

Service Provider : Mr Lolla Srinivasa Murthy  
Bio Electrical and Energy Systems (BEES)  
76 Prashant Nagar, Malakpet, Hyderabad – 500 036  
Mobile: 98498-57173  
E-mail <lolla@ieee.org>, <ismurthy32@hotmail.com >

Principal Investigator: Dr. R.S. Raju

Objective : To design and develop alternate energy system using stored water.

Sanctioned amount : Rs 7.00 Lakhs

Project period : 1-1/2 years (starting 10-02-2018)

Work done : An alternate energy system has been developed to generate electrical power using stored water. The functionality of the system has been demonstrated. The project has been completed in January 2020; however, improvements are being made to enhance the efficiency.

Outcome : The functionality of system is demonstrated. This was aimed to generate electricity by passing part of the college water line through the system so that electricity is generated. The outgoing water will be used for wetting college lawns and plants.

Benefit to college : The design methodology is established which would be useful in developing a similar type of clean **energy systems** to the nearby villages for generating electricity as per their needs.

S.N.	Contents
01	MoU dated 06-02-2015
02	Scheme of implementation of project
03	Minutes of meetings
04	Completion certificate
05	Benefit to college
06	Financial statement

*Signature*

**PRINCIPAL**  
Geethanjali College of Engg. and Tech.  
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

R.S. Raju  
30/7/2024