

**3.2.1.1 Grants from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years**

*Enclosed copies of grant award letters/ project completion letter/ expenditure statements and utilization certificates*

*Funding agency:*

**SERB-DST, New Delhi**

*Title of the project:*

**Investigation of Linear combinations of GNSS measurements to mitigate the effect of Ionosphere and Multipath**

G CET/45/2015-16, Dt. 29-09-15

No. SR/FTP/ES-156/2014  
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)  
(A Statutory Body of the Department of Science & Technology, Government of India)

Technology Bhavan  
New Mehrauli Road  
New Delhi - 110016

Dated: 4<sup>th</sup> September, 2015

**ORDER**

**Subject:** Financial assistance for the Research Project under START UP GRANT FOR YOUNG SCIENTISTS entitled "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath".

**PI:** Dr. V. Satya Srinivas, Associate Professor/Principal Investigator, Dept. of Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost Rs. 21,50,000/- only (Rupees Twenty One Lakh and Fifty Thousand only) with a break up of non-recurring (Capital Budget Head) grant of Rs. 15,00,000/- only (Rupees Fifteen Lakh only) and recurring (General) grant of Rs. 6,50,000/- only (Rupees Six Lakh and Fifty Thousand only) for a period of three years to Principal, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503 towards implementation of the above said project as per the following breakup of funds:

Sl. No.	Head	Total (in Rs.)
A	Non-recurring (Capital Items)	
1	Equipments [GNSS receiver, Work station, Printer]	15,00,000
A'	Total (Capital)	15,00,000
B	Recurring Items (General)	
1	General - A [Consumables, Contingency, Travel-domestic]	3,50,000
2	General - B (Overhead Charges)	3,00,000
B'	Total (General)	6,50,000
C	Total cost of the project (A'+B')	21,50,000

2. Sanction of the SERB is also accorded to the payment of Rs. 17.00 Lakh only with a break up of Rs. 15.00 Lakh only under Non-Recurring and Rs. 2.00 Lakh only under Recurring to the Principal, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503 being the grant for the year 2015-16 for implementation of the said research project.

3. 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.

4. The sanctioned equipments would be procured as per GFR 2005 and its disposal would be done with prior approval of SERB.

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

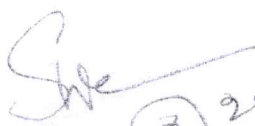
6. The expenditure involved is debitable to  
Fund for Science & Engineering Research (FSER)

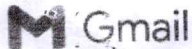
7. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/1252/2015-16 dated 13.06.2015.

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

Contd....2-

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

  
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**RTGS/NEFT UTR/ TRANS No. - File No. SR/FTP/ES-156/2014**

29 September 2015 at 12

Finance Wing, SERB <finance@serb.gov.in>  
 To: sathyavemuri@gmail.com  
 Cc: DR. UMESH KUMAR SHARMA, SCIENTIST 'E' <uk.sharma@nic.in>

Mr/Ms/Prof/Dr.

**V SATYA SRINIVAS**

D/o ELECTRONICS AND COMMUNICATION ENGINEERING,  
 GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
 CHEERYAL, KEESARA - 501503  
 TELANGANA

Subject: RTGS/NEFT UTR/ TRANS No. - File No. SR/FTP/ES-156/2014

Sir/Madam,

I am directed to refer to Science & Engineering Research Board (SERB) sanction order no. SR/FTP/ES-156/2014 dated 04-09-2015 and forward herewith the following for information and necessary action:

RTGS/NEFT UTR/Transaction no.: UBINH15266199369 / SAA157356413 dated 23-09-2015.

₹1700000/- (RUPEES SEVENTEEN LAKH ONLY)

Bill no. GIA/3254 dated 16-09-2015

SERB/F/1252/2015-16

CONFIRMATION OF RECEIPT OF GRANTS MAY KINDLY BE SENT BY EMAIL ONLY.

**SEPARATE Utilization Certificates (UCs) for Recurring and Non-Recurring Grants (even if DISBURSED BY SERB THROUGH ONE SANCTION ORDER for your project) should be sent directly to the grant Sanctioning Authority by name (signatory of the sanction order) within twelve months of the closure of the financial year in which the grants were released irrespective of whether the subsequent instalment of grant is due for release or not.**

However, if any unspent balance is to be refunded, kindly ensure that the unutilized amount may be refunded immediately by way of an a/c payable cheque/DD drawn in favour of "Fund for Science & Engineering Research", payable at New Delhi and forwarded to the undersigned at the address given below:

The Finance & Budget Officer  
 Science & Engineering Research Board (SERB)  
 5 & 5A, Lower Ground Floor, Vasant Square Mall,  
 Vasant Kunj, New Delhi 110070

USE LESS PAPER, PLANT MORE TREES, SAVE PLANET EARTH

for  
 Finance & Budget Officer  
 Science & Engineering Research Board (SERB)  
 (A statutory body under the Government of India's Department of Science & Technology)  
 5 & 5-A, Lower Ground Floor, Vasant Square Mall  
 Vasant Kunj, New Delhi 110070  
 INDIA  
 +91-11-40000328-9  
 +91-9818223293  
 +91-9818223294

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

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विज्ञान और इंजीनियरी अनुसंधान बोर्ड  
(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार का एक सांविधिक निकाय)  
**SCIENCE & ENGINEERING RESEARCH BOARD**  
(A Statutory body of Department of Science and Technology, Govt. of India)

**Dr. Prahlad Ram**  
Scientist-C,  
Phone: 011-40000343  
E-mail: prahlad@serb.gov.in

**Dated: 21.10.2016**

**File No.: SR/FTP/ES-156/2014**

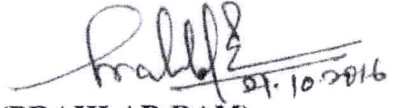
**Subject:** Permission for leave from July 2016 to March 2017 (9 months) to attend the research work at UEC, Japan.

Dear Dr. Srinivas,

This is in response to your letter dated 4.07.2016 for seeking approval to visit University of Electro-Communications (UEC), Japan for nine months from July 2016 to March 2017. Considering your request, the Science and Engineering Research Board permit you to avail this opportunity.

With regards,

Yours sincerely,

  
(PRAHLAD RAM)

To,

Dr. V.Satya Srinivas, Associate professor,  
Department of Electronics & Communication Engineering,  
Geethanjali College of Engineering and Technology,  
Cheeryal(V), Keesara (M), RR District,  
Telengana-501301



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

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No. SR/FTP/ES-156/2014  
**SCIENCE & ENGINEERING RESEARCH BOARD (SERB)**  
(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,  
Vasant Square Mall, Sector-B,  
Pocket-5, Vasant Kunj,  
New Delhi – 110070.  
**Dated: 23.10.2017**

**ORDER**

**Subject:** Financial assistance for the Research Project entitled “*Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath*”.

**PI:** Dr. V. Satya Srinivas, Associate Professor, Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503, Hyderabad.

In continuation to the sanction order of even number dated 04.09.2015, Sanction of the SERB is accorded to the payment of **Rs. 2,50,000/- Only (Rupees Two Lakh Fifty Thousand Only)** under the recurring grant head to the **Principal, Geethanjali College of Engineering and Technology, Hyderabad** being the grant for the year 2017-18 for implementation of the said research project.

2. Sanction of the SERB is also accorded to the carry forward of the unspent balance of **Rs. 8,74,696/- (Rs. 7,51,140/- under non-recurring head and Rs. 1,23,556/- under recurring head)** under recurring head from the year 2015-16 to the current financial year 2016-17 (ex-post facto) for the same purpose for which it was sanctioned.

3. Sanction of the SERB is also accorded to the carry forward of the unspent balance of **Rs. 97,689/- under recurring head** from the year 2016-17 to the current financial year 2017-18 for the same purpose for which it was sanctioned.

4. The expenditure involved is debitable to

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

This release is being made under **YSS- Earth and Atmospheric Sciences.**

5. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/6971/2017-18 dated **20.10.2017**.

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

7. The total release amount of **Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand Only)** will be drawn by the Under Secretary of the SERB and will be disbursed to the “**Principal, Geethanjali College of Engineering and Technology, Hyderabad**” by means of RTGS transaction as per their Bank details given below:

Name of the Institute	Geethanjali College of Engineering and Technology (SERB)
Account Number	0606101558960
Bank Name, Branch	Canara Bank, Hyderabad ABID Road, Hyderabad, Telangana-500001
IFSC Code	CNRB0000606
PI's Email Address	sathyavemuri@gmail.com
Dr. Prahlad Ram, Scientist C	prahlad@serb.gov.in

Contd...-2-

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



No. SR/FTP/ES-156/2014  
**SCIENCE & ENGINEERING RESEARCH BOARD (SERB)**  
(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,  
Vasant Square Mall, Sector-B,  
Pocket-5, Vasant Kunj,  
New Delhi - 110070  
**Dated: 15.11.2018**

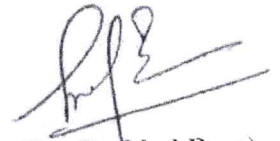
**ORDER**

**Sub:** Research Project entitled "*Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath*"

**PI:** Dr. V. Satya Srinivas, Associate Professor, Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503, Hyderabad.

In continuation to the order of even number dated 29.05.2018, sanction of the Science and Engineering Research Board is accorded to extend the project duration for six months i.e. from 23.09.2018 to 22.03.2019 (ex-post facto) without any additional grant.

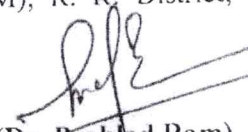
2. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the SERB, a statutory body of the DST, Government of India should invariably be highlighted / acknowledged in their media release as well as in bold letters in the opening paragraphs of their Annual Report.
3. 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/programme funded by the SERB, a statutory body of the DST, Government of India.
4. This order has been issued with the approval of the competent authority.

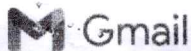
  
(Dr. Prahlad Ram)  
Scientist-C

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

1. The Under Secretary, SERB, New Delhi.
2. Sanction Folder, SERB, New Delhi.
3. File Copy
4. Dr. V. Satya Srinivas, Associate Professor, Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503, Hyderabad.
5. Principal, Geethanjali College of Engineering and Technology, Cheeryal (V) Keesara (M), R. R. District, Telangana-501503, Hyderabad.

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

  
(Dr. Prahlad Ram)  
Scientist-C


**RTGS/NEFT UTR/ TRANS No. - File No.- SR/FTP/ES-156/2014**

Finance Wing, SERB <finance@serb.gov.in>  
 To: sathyavemuri@gmail.com, info@gcet.edu.in  
 Cc: "DR. PRAHLAD RAM,SCIENTIST-'C'" <prahlad@serb.gov.in>

9 February 2018 at 10:

Madam/Sir,

The below details are for Science & Engineering Research Board (SERB)Sanction Order (attached to this mail).

Sanction Order No	-	SR/FTP/ES-156/2014
Sanction Date	-	23-10-2017
PI Name	-	V SATYA SRINIVAS
Institute/University	-	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
City Name	-	VALDLAMUDI
Account Number	-	0606101558960
Bank Name	-	Canara Bank
Branch Name	-	HYDERABAD ABID ROAD
Amount	-	₹250000
UTR No	-	UBINH18038229880 / SAA331151845
Transaction Date	-	07-02-2018

**SERB Reference Number:**

Bill No	-	GIA/7527
Diary No/Finance No	-	SERB/F/ 6971 /2017-2018

Confirmation of receipt of funds may be sent by email only.

**IMPORTANT:**

- SEPARATE Utilization Certificates (UCs)** for Recurring and Non-Recurring Grants (even if **DISBURSED BY SERB THROUGH ONE SANCTION ORDER** for your project) should be **sent directly** to the grant Sanctioning Authority by name (*signatory of the sanction order*) **within twelve months of the closure of the financial year in which the grants were released irrespective of whether the subsequent instalment of grant is due for release or not.**
- However, if any unspent balance is to be **refunded**, kindly ensure that the unutilized amount may be refunded immediately by way of an **a/c payee cheque/DD** drawn in favour of "**Fund for Science & Engineering Research**", payable at New Delhi and **forwarded to the undersigned at the address given below:**

**Under Secretary**

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)  
 (Established through an Act of Parliament: SERB ACT 2008  
 Department of Science & Technology, Government of India)  
 5&5A LGF,  
 Vasant Square Mall,  
 Vasant Kunj, New Delhi 110 070  
 INDIA  
 +91-9818223293-94  
 +91-11-40000328, 352, 319, 349  
 +91-11-40000329 Telefax

SERB: Making Good Ideas Work . . .

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

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Geethanjali

Phone : 040-32519687  
Fax : +91-40-24220320  
Website : www.geethanjaliinstitutions.com

## Geethanjali College of Engineering and Technology

(Accredited by NBA, Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District. - 501 301.

No.GCET/ECE/R&D/DST/ <sup>SERB</sup> 594 /2016

Date:25<sup>th</sup> May 2016

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 Statement of expenditure, fund utilization certificate and Progress Report – 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

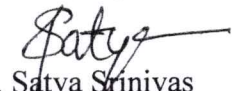
Dear Sir,

This is with reference to the subject cited above. I herewith enclose the statement of expenditure and fund utilization certificate in duplicate for the period **23<sup>rd</sup> September 2015 to 31<sup>st</sup> March 2016** along with Ten copies of Project report (10 No's) for your kind perusal.

Kindly do the needful for releasing of the second installment of grant.

Thanking you,

Sincerely,

  
Dr. V. Satya Srinivas  
(Principal Investigator)

- Encls: 1. Project report (10 Nos.)  
2. Expenditure statement (2 Nos.)  
3. Utilization certificate (2 Nos.)

Dr.V.SATYA SRINIVAS,M.E.,Ph.D  
Associate Professor  
Dept. of Electronics & Communication Engg.  
Geethanjali College of Engg and Tech.  
Cheeryal (V), Keesara (M), R.R. Dist.  
Telangana, India - 501301

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

Sponsored by **TEJA EDUCATIONAL SOCIETY, HYDERABAD**

Office : Sy. No. 33 & 34, Cheeryal (V), Keesara (M), R.R. Dist. - 501 301.

Phones : 040 - 31001617, 31001618, 32935969

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**UTILISATION CERTIFICATE**  
**[FOR THE FINANCIAL YEAR - 2015-16 (23<sup>rd</sup> SEPTEMBER 2015 to 31<sup>st</sup> MARCH 2016)]**

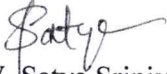
1. Title of the Project/ Scheme : "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath" under start up grant for young scientist scheme.
2. Name of the Institution : Geethanjali College of Engineering and Technology (GCET)
3. Name of the Principal 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:
  - A. Non-Recurring (Capital Items)
    1. GNSS Receiver
    2. Work station
    3. Printer
  - 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: -Nil-
  - ii. Letter No.: -Nil-
  - iii. Date:-Nil-
7. Amount received during the financial year (Please give SERB Sanction order no and date) :
  - i. Amount : **Rs.17 Lakhs**
  - ii. Order No : SR/FTP/ES-156/2014
  - iii. Date : 4<sup>th</sup> Sept. 2015
8. Total amount that was available for expenditure : **Rs.17,00,000/-**  
(excluding commitments) during the financial year (Sr. No. 6+7)
9. Actual Expenditure (excluding commitments) : **Rs. 8,48,039/-**  
Incurred during the financial year (upto 31<sup>st</sup> March)
10. Balance amount available at the end of the financial year: **Rs.8,74,696/-**
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): **Rs.8,74,696/-**



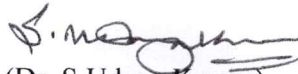
**PRINCIPAL**  
**Geethanjali College of Engg. and Tech.**  
 Cheeryal (V), Keesara (R), Medchal Dist.(T.S.)-501 301.

## UTILISATION CERTIFICATE


Certified that out of **Rs. 17,00,000/-** of grants-in-aid sanctioned during the year **2015-16** in favour of Geethanjali College of Engg. & Tech., vide SERB order No. SR/FTP/ES-156/2014, dated: 4<sup>th</sup> September 2015 and Rs.-Nil- on account of unspent balance of the previous year, a sum of **Rs. 8,48,039/-** 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.8,74,696/-** remaining unutilised at the end of the year will be adjusted towards the grants-in-aid payable during the next year i.e. 2016-17.

  
(Dr. V. Satya Srinivas)  
Signature of PI

Date: 9/5/2016

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

Date: 11/5/16

  
(B. Malleshham)  
Accounts Officer  
of the Institute

Date: 11/5/2016

For HARI BABU & ASSOCIATES  
CHARTERED ACCOUNTANTS  
Firm Regn. No. 0010049

Auditor

  
Date: n. HARI BABU ) Partner  
M. No. 022361

**PRINCIPAL**  
Geethanjali College of Engg. and Tech.  
Cheeryai (V), Keesara (M), R.R. Dist. (A.P.)-501 301.

(Countersigned in SERB)

Signature:

Designation:

Date:

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

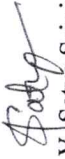



**Statement of Expenditure**  
(Period: 23<sup>rd</sup> September 2015 to 31<sup>st</sup> March 2016)


Sr. No.	Sanctioned Heads	Total Funds Allocated (indicate sanctioned or revised)	Expenditure Incurred			Total Expenditure till 31 <sup>st</sup> March 2016 VII= IV+V+VI	Balance as on 31 <sup>st</sup> March 2016 VIII = III - VII	Requirement of Funds upto 31 <sup>st</sup> March 2017	Remarks (if any)
			1 <sup>st</sup> Year (23 <sup>rd</sup> September 2015 to 31 <sup>st</sup> March 2016)	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year				
(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)		
1.	<b>Non-recurring (Capital Items)</b> Equipments [GNSS Receiver, Work Station and Printer]	Rs.15,00,000/-	Rs. 7,48,860/-	-NA-	-NA-	Rs. 7,48,860/-	Rs. 7,51,140/-*	Rs.7,51,140/-	Purchase order were placed for GNSS Receiver & Work station and printer. Received the items and successfully installed in March 2016. As per payment terms 50% of the amounts were paid at time of PO and the balance amount was paid in April 2016.
2.	<b>Recurring Items (General)</b> General-A: (Consumables, Contingencies & Travel-domestic) General-B: (Overhead Charges)	Rs.3,50,000/- Rs.3,00,000/-	Rs.40,679/- Rs.58,500/-	-NA- -NA-	-NA- -NA-	Rs.40,679/- Rs.58,500/-	Rs.3,09,321/- Rs.2,41,500/-	Rs.1,50,000/- Rs.1,00,000/-	-Nil- -Nil-
3.	<b>Total</b>	<b>Rs.21,50,000/-</b>	<b>Rs. 8,48,039/-</b>	<b>-NA-</b>	<b>NA</b>	<b>Rs. 8,48,039/-</b>	<b>Rs.13,01,961/-</b>	<b>Rs.10,01,140/-</b>	<b>-Nil-</b>

\*Note: 1. The PolaRxs Pro GNSS receiver of make: Septentrio, NV Belgium was received and installed on 23<sup>rd</sup> March 2016. The details of PO and invoice are as follows: PO No. GCET/ECE/R&D/DST/518/2015-16, dt: 12 Jan. 2016 (Total Cost: Rs.13,87,784/-), Proforma Invoice No.1401, dt:14<sup>th</sup> Jan. 2016, Invoice No.150278, dt: 24<sup>th</sup> March 2016, (copies are enclosed with expenditure statement). As per payment terms 50% of the total amount i.e. Rs.6,93,892/- was paid as advance on 18 Jan.2016. Balance amount of Rs.6,93,892/- was paid on 20<sup>th</sup> April 2016 after successful installation and testing.

2. The HP work station (Model:Z230) and Printer (model: M1136 MFP) were procured and installed on 26<sup>th</sup> March 2016. The details of PO and invoice are as follows: PO No.GCET/ECE/R&D/DST/557/2015-16, dt:10<sup>th</sup> March 2016 (Total Cost: Rs. 1,09,935/-), Invoice No. 150103367, dt:26<sup>th</sup> March 2016 (copies are enclosed with expenditure statement). As per payment terms, 50% of the total amount i.e. Rs.54,968/- was paid as advance on 15<sup>th</sup> March 2016. Balance amount of Rs.54,967/- was paid on 11<sup>th</sup> April 2016 after successful

  
(Dr. V. Satya Srinivas)  
Signature of PI  
Date: 9/5/2016

  
(Dr. S. Udaya Kumar)  
Signature of Head of the Institute (with seal)  
Date: 11/5/2016

  
(B. Malleshham)  
Accounts Officer of the Institute  
Date: 11/5/2016

For HARI ACHARYA ASSOCIATES  
REGISTERED ACCOUNTANTS  
Firm Regn. No. 001064S  
Date: 11/5/2016

**Geethanjali College of Engg. and Tech.**  
Cheerayal (V), Keesara (M), R.R. Dist. (A.P.)-501 301

**REQUEST FOR ANNUAL INSTALMENT WITH UP-TO-DATE STATEMENT OF EXPENDITURE**

Geethanjali College of Engineering and Technology (GCET), Cheeryal (V), Keesara (M), R.R. District, Hyderabad -501301

**Project Title:** Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath1. SERB Sanction Order No and date: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

2. Name of the PI : Dr. V. Satya Srinivas

3. Total Project Cost : Rs.21,50,000/-

4. Revised Project Cost (if applicable): -Nil-

5. Date of Commencement : 23<sup>rd</sup> September 2015

6. Statement of Expenditure :

(month wise expenditure incurred during current financial year)

Month and Year	Expenditure incurred / committed
September, 2015	-Nil-
October, 2015	Rs.77,141/-
November, 2015	Rs.7,044/-
December, 2015	-Nil-
January, 2016	Rs.6,93,892/- (PO advance 50% to AArjay International Pvt. Ltd., Bangalore for GNSS Receiver)
Februaury, 2016	Rs.10,000/-
March, 2016	Rs.54,968/- (PO advance 50% to Microcare Computers Pvt. Ltd. for workstation and printer) + Rs.4,931/- (conference travel) + Rs.63/- (Bank charges) + Rs.6,93,892/-* (Committed in FY-2015-16 and paid on 20 <sup>th</sup> April 2016 to AArjay International Pvt. Ltd. for GNSS receiver) + Rs.54,967/-* (Committed in FY-2015-16 and paid on 11 <sup>th</sup> April 2016 to Microcare Computers Pvt. Ltd. for workstation and printer) = Rs.8,08,821/-
<b>Total</b>	<b>Rs.15,96,898/-</b>

\* Vendors due bill amount paid in April 2016.

**Grant received in each year:**

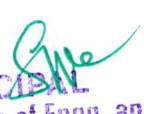
a. 1st Year : 17 lakhs

b. 2nd Year: -Nil-

c. 3rd Year: -Nil-

d. Interest, if any: Rs.22,735/-

e. Total (a+b+c+d): **Rs.17,22,735/-**

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



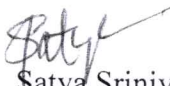
**UTILISATION CERTIFICATE**  
**[FOR THE FINANCIAL YEAR - 2017-18 (1<sup>st</sup> April 2017 to 31<sup>st</sup> MARCH 2018)]**  
**(Recurring head)**

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.97,689/-**  
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: **Rs.2,50,000/-**  
ii. Order No: SR/FTP/ES-156/2014  
iii. Date: 23.10.2017
8. Interest earned : **Rs.1,216/-**
9. Total amount that was available for expenditure (excluding commitments) during the financial year (Sr. No. 6+7+8) : **Rs.3,48,905/-**
9. Actual Expenditure (excluding commitments) Incurred during the financial year (upto 31<sup>st</sup> March) : **Rs.3,20,172/-**
10. Balance amount available at the end of the financial year: **Rs.28,733/-**
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): **Rs.28,733/-**

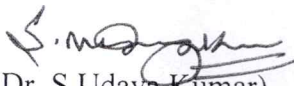
  
**PRINCIPAL**  
 Geethanjali College of Engg. and Tech.  
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

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


Certified that out of **Rs.2,50,000/- (Rupees Two Lakhs Fifty Thousand)** of grants-in-aid sanctioned during the year **2017-18** in favour of Geethanjali College of Engg. & Tech., vide SERB order No. **SR/FTP/ES-156/2014**, dated: 23rd October 2017 and **Rs.97,689/- (Rupees Ninety Seven Thousand Six Hundred and Eighty Nine)** on account of unspent balance of the previous year, **Rs.1,216/-** (Rupees One Thousand Two Hundred and Sixteen) earned as interest during FY.2017-18, and out of total available balance of **Rs.3,48,905/- (Rupees Three Lakhs Forty Eight Thousand Nine Hundred and Five)**, a sum of **Rs.3,20,172/- (Rupees Three Lakhs Twenty Thousand One Hundred and Seventy Two)** 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.28,733/- (Twenty Eight Thousand Seven Hundred and Thirty Three)** remaining unutilised at the end of the year will be adjusted towards the grants-in-aid payable during the next year i.e. 2018-19.

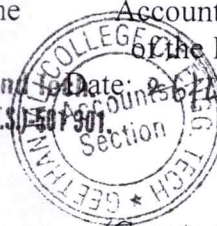
  
(Dr. V. Satya Srinivas)  
Signature of PI

Date: 26/4/2018

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

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

  
(B. Mallešham)  
Accounts Officer  
of the Institute



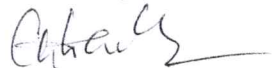
Date: 26/4/2018

(Countersigned in SERB)

Signature:  
Designation:  
Date:

Auditor

For HARI BABU & ASSOCIATES  
CHARTERED ACCOUNTANTS  
Regn. No. 001064S

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

**HARI BABU & ASSOCIATES**  
Chartered Accountants  
Plot No. 10, Flat No: 20, AR. Residency,  
Ravi Co-op Housing Society  
Trimulgherry, Secunderabad - 500 015.  
PH: 040 - 27741549

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



UP-TO-DATE STATEMENT OF EXPENDITURE

Geethanjali College of Engineering and Technology (GCET), Cheeryal (V), Keesara (M), R.R. District, Hyderabad -501301

**Project Title:** Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath

1. SERB Sanction Order No and date: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

2. Name of the PI : Dr. V. Satya Srinivas

3. Total Project Cost : Rs.21,50,000/-

4. Revised Project Cost (if applicable): -Nil-

5. Date of Commencement : 23<sup>rd</sup> September 2015

6. Statement of Expenditure :

(month wise expenditure incurred during current financial year)

Month and Year	Expenditure incurred / committed
April, 2017	Rs.85,000/-
May, 2017	Rs.196/-
June, 2017	-Nil-
July, 2017	-Nil-
August, 2017	-Nil-
September, 2017	-Nil-
October, 2017	-Nil-
November, 2017	-Nil-
December, 2017	Rs.177/-
January, 2018	-Nil-
February, 2018	Rs.1,98,216/-
March, 2018	Rs.36,583/-
<b>Total</b>	<b>Rs.3,20,172/-</b>

**Grant received in each year:**

a. 1st Year : Rs.17 lakhs

b. 2nd Year: -Nil-

c. 3rd Year: Rs.2,50,000/-

d. Interest, if any: **Rs.35,046/-** (Interest: **Rs.22,735/-** (Fy.2015-16), **Rs.11,095/-** (Fy.2016-17), **Rs.1,216/-** (Fy.2016-17))

e. Total (a+b+c+d): **Rs.19,850,46/-**

**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>3,38,605/-</b> (*includes interest)	Rs.40,679/-	Rs.36,962/-	Rs.78,672/-	Rs.1,83,051/-	Rs.3,39,364/-	Rs.-759/-
	<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

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

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

Auditor  
Date: 30/4/19



LOKESH BABU & ASSOCIATES  
CHARTERED ACCOUNTANTS  
Firm Regn. No. 0219043

*C. Hari Babu*  
(C. HARI BABU) Partner  
M. No. 0223061



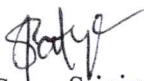
**UTILISATION CERTIFICATE**  
**[FOR THE FINANCIAL YEAR - 2018-19 (1<sup>st</sup> April 2018 to 31<sup>st</sup> MARCH 2019)]**  
**(Recurring head)**

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-

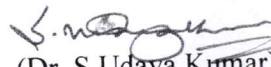
  
**PRINCIPAL**  
 Geethanjali College of Engg. and Tech.  
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

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

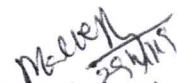
Certified that out of **Rs.1,50,000/- (Rupees One Lakh Fifty Thousand)** of grants-in-aid sanctioned during the year **2018-19** in favour of Geethanjali College of Engg. & Tech., vide SERB order No. **SR/FTP/ES-156/2014**, dated: **27<sup>th</sup> September 2018** and **Rs.28,733/- (Rupees Twenty Eight 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.(T.S.)-501 301.  
Date: 29/4/19

  
(B. Mallesham)  
Accounts Officer  
of the Institute

Date: 29/4/19

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.





Geethanjali

Phone : 9533791618  
Fax : +91-40-24220320  
Website : www.geethanjalinstitutions.com  
info@gcet.edu.in

# Geethanjali College of Engineering and Technology

## AUTONOMOUS

(Accredited by NBA, Approved by AICTE, New Delhi)

Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal District. - 501 301.

No.GCET/ECE/R&D/SERB/2017

Date: 6<sup>th</sup> September 2017

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:-** Request for release of 2<sup>nd</sup> installment of grant-Reg.

**Ref1:** DST Sanction Order No: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

**Ref2:** GCET/ECE/R&D/SERB/2017, dt: 20<sup>th</sup> May 2017

Dear Sir,

With reference to the subject cited above, I enclosed herewith revised/corrected utilization certificate (Recurring Head) for your kind perusal. I request you to kindly release the second installment of grant. Kindly do the needful.

Thanking you,

Yours Sincerely,

  
Dr. V. Satya Srinivas

(Principal Investigator)



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

Sponsored by TEJA EDUCATIONAL SOCIETY, HYDERABAD

Office : Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Medchal Dist. - 501 301.

Phones : 9533791618, 7306295152


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## Statement of Expenditure

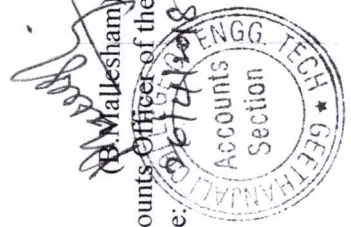
(Period: 1<sup>st</sup> April 2017 to 31<sup>st</sup> March 2018)

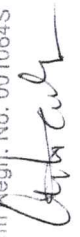
Sr. No.	Sanctioned Heads	Total Funds Allocated (indicate sanctioned or revised)	Expenditure Incurred			Total Expenditure till 31 <sup>st</sup> March 2018	Balance as on 31 <sup>st</sup> March 2017	Requirement of Funds upto 31 <sup>st</sup> March 2018	Remarks (if any)
			1 <sup>st</sup> Year (23 <sup>rd</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> March 2018)				
(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)	(VIII)		
1.	<b>Non-recurring (Capital Items)</b> Equipments [GNSS Receiver, Work Station and Printer]	<b>Rs.15,00,000/-</b>	Rs.7,48,860/-	Rs.7,48,859/-	-NA-	Rs.14,97,719/-	-Nil-*	-Nil-	* Balance amount (Rs.2,281/-) return to SEB DST
2.	<b>Recurring Items (General)</b> General-A: (Consumables, Contingencies & Travel-domestic) General-B: (Overhead Charges) <b>Total</b>	<b>Rs.3,50,000/-</b> <b>Rs.3,00,000/-</b> <b>Rs.21,50,000/-</b>	Rs.40,679/-	Rs.36,962/-	Rs.78,672/-	Rs.1,56,313/-	<b>Rs.1,93,687/-</b>	<b>Rs.1,93,687/-</b>	-Nil- -Nil- -Nil-

\* Balance amount of Rs.2,281/- under head non-recurring has been returned to SERB DST (Canara Bank DD no.071504, dt:12/12/2017)

  
 (Dr. V. Satya Srinivas)  
 Signature of PI  
 Date: 26/4/2018

  
 (Dr. S. Udaya Kumar)  
 Signature of Head of the Institute (with seal)  
 Date: 26/4/2018  
 Geethanjali College of Engg. and Tech.  
 Cheerlaj (V), Keesara (M), Medchal Dist.(T.S.)-501 301.



Accounts Officer of the Institute  
 For HARI BABU & ASSOCIATES  
 CHARTERED ACCOUNTANTS  
 Firm Regn. No. 001066/S  
 Auditor  
 Date: 26/4/2018  
  
 (Ch. HARI BABU) Partner  
 M. No. 022301



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.

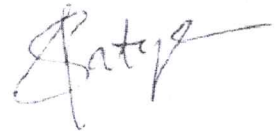
Ref: DST Sanction Order No: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

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.

**ANNUAL INSTALMENT WITH UP-TO-DATE STATEMENT OF EXPENDITURE**

Geethanjali College of Engineering and Technology (GCET), Cheeryal (V), Keesara (M), R.R. District, Hyderabad -501301

**Project Title:** Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath1. SERB Sanction Order No and date: SR/FTP/ES-156/2014, dt: 4<sup>th</sup> September 2015

2. Name of the PI: Dr. V. Satya Srinivas

3. Total Project Cost: Rs.21,50,000/-

4. Revised Project Cost (if applicable): -Nil-

5. Date of Commencement: 23<sup>rd</sup> September 2015

6. Statement of Expenditure: (month wise expenditure incurred during current financial year)

Month and Year	Expenditure incurred / committed
April, 2018	-Nil-
May, 2018	-Nil-
June, 2018	-Nil-
July, 2018	-Nil-
August, 2018	Rs.10,830/-
September, 2018	Rs.31,749/-
October, 2018	Rs.9,603/-
November, 2018	Rs.4,500/-
December, 2018	Rs.31,917/-
January, 2019	Rs.67,557/-
February, 2019	Rs.15,996/-
March, 2019	Rs.10,899/-
<b>Total</b>	<b>Rs.1,83,051/-</b>

**Grant received in each year:**

a. 1st Year: Rs.17 lakhs

b. 2nd Year: -Nil-

c. 3rd Year: Rs.2,50,000/-

d. 4<sup>th</sup> Year: Rs.1,50,000/-e. Interest, if any: **Rs.38,605/-** (Interest: **Rs.22,735/-** (Ay.2015-16), Rs.11,095/- (Ay.2016-17), **Rs.1,216/-**(2017-18), **Rs.3,559/-** (2018-19) )f. Total (a+b+c+d+e): **Rs. 21,38,605/-**