

5. The faculty/resource persons for the technical sessions of the Seminar will be arranged by Patent Information Centre (PIC), KSCSTE so as to ensure the quality of the Seminar. The organizers should provide a 30 minutes time slot for KSCSTE for a presentation on the activities of PIC -Kerala.
6. As per the Terms and Conditions, 50% of the sanctioned amount may be released as an advance amount. Hence, sanction is accorded to release **Rs.18,000/- (Rupees eighteen thousand only)** being 50% of the sanctioned amount for the conduct of the above mentioned Seminar. The balance amount will be released only after the successful conduct of the Seminar and subject to the submission of satisfactory report along with Audited Utilization Certificate and Statement of Expenditure (in the standard format), Photographs (in CD also), List of Participants and Press Clippings (if any). These documents should be submitted within two months after the conduct of the Seminar, so as to settle the accounts in this regard. The Organizers may have to forward the certified copy of the bills and vouchers in connection with the expenses made while organizing the above mentioned Seminar, when requested by the Patent Information Centre – Kerala, KSCSTE.
7. An amount of **Rs.18,000/- (Rupees eighteen thousand only)** will be disbursed to the **Principal, MEA Engineering College, Perinthalmanna, Malappuram** through net banking in the following bank account.

Account No:	15980200001093
Account Name:	MEA Engineering College
Name of Bank & Branch:	Federal Bank, Melattur
IFS Code:	FDRL0001598
Name of Programme Co-ordinator & Contact No	Dr. G. Ramesh, Professor Mob: 9841022371

8. The expenditure in this regard will be met from the Council budget under the Head of Accounts **III Schemes and Programmes of KSCSTE E (1) Patent Information Centre.**

The above sanction has been issued under the delegated powers of the Council, with the approval of the Director, KSCSTE, vide Sanction No.319/DIR/2018-19/KSCSTE, dated 04/09/2018.


Dr. Ajit Prabhakaran

Chief Scientist (Scientist G) &
Head (TDPMD) &
Nodal Officer, PIC-Kerala

To

✓ The Principal, MEA Engineering College, Perinthalmanna, Malappuram - 679 325

Copy to:

Dr. G. Ramesh, Professor & Head, Dept. of Mechanical Engineering, MEA Engineering College,
Perinthalmanna, Malappuram - 679 325

Cash Section/Stock File/Office Copy.

Ment
59
13/09/18

KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT
An Autonomous body of the Government of Kerala

KSCSTE – Patent Information Centre (PIC) – One day Seminar on 'Current perspectives of Intellectual Property Rights in Economic growth - An indication' by MEA Engineering College, Perinthalmanna - sanctioned - orders issued.

Council (P) Order No 382/2018/KSCSTE

Dated: Thiruvananthapuram 04.09.2018

Read: - (1) Application from the Principal, MEA Engineering College, Perinthalmanna
(2) File No. KSCSTE/1656/2018-FA-PIC

ORDER

The Principal, MEA Engineering College, Perinthalmanna had forwarded a proposal as read (1) above, seeking financial assistance for the conduct of one day Seminar on 'Current perspectives of Intellectual Property Rights in Economic growth - An indication'. Kerala State Council for Science, Technology & Environment (KSCSTE) examined the proposal and sanction is accorded to organize the Seminar which is scheduled on 25th September, 2018 and to provide financial support of Rs. 36,000/- under the following heads for the Seminar.

Sl No	Head	Amount (Rs)
1	Honorarium, Accommodation & Travel Expense of Resource Persons	14,000 /-
2	Stationery & Publicity materials	7,000 /-
3	Refreshment	10,000 /-
4	Contingencies (Including local conveyance of Resource Persons and other organizing expenses)	5,000 /-
	Total	Rs.36,000/-

Any expenses other than the above may be met by the Institution or from other sources.

- The financial assistance may be utilized exclusively to cover the expenditure on the approved heads. Utilization of grant for any other purpose other than the approved heads shall not be entertained. Request for change of date and re-appropriation/change of sanctioned heads will not be entertained.
- The Programme Co-ordinator and the Head of the Institution executed an agreement of the Terms & Conditions stipulated under this programme. The Organizers should ensure that the Terms and Conditions are strictly followed in the conduct of the Seminar. The Seminar shall be organized within one month from the date of issue of this order.
- KSCSTE should be properly acknowledged as 'jointly organized by PIC-Kerala/ KSCSTE' in all publicity materials, brochures, banners and other proceedings of the Seminar. The brochure programme notices, invitation card or programme details including the date, schedule and list of resource persons, etc., should be submitted to KSCSTE in sufficient numbers, well in advance.

To
HOD/ME
13/9/18



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00425 /SPS 64/2019/KSCSTE

Dear Dr. Abdul Salam V H,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Use of pulp black liquor as an effective and cheap admixture in concrete" submitted by Dr. Abdul Salam V H as PI and Shamsudheen Kp,Shibila K.K,Shibla Jebeen K.K,Ehthisam C.K as student investigator(s) has been approved. An amount of ₹9500/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	4000
2	Minor equipments	500
3	Travel	2000
4	Research Literature & Documentation	2500
5	Others (for analysis)	500
	Total	9500

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Abdul Salam V H, Director Of College, Dept. of Civil Engineering, Mea Engineering College,
Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

✓ The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Shamsudheen Kp,Shibila K.K,Shibla Jebeen K.K,Ehthisam C.K, Student(s), Bachelor of Technology (BTech),
Civil Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

1.2.2020



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00665 /SPS 64/2019/KSCSTE

Dear Dr. Hema Nalini A V,

Sub:- Financial assistance for Student Project scheme of KSCSTE reg.
Ref:- Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Sisal Fiber Reinforced Gypsum Panels (SFRGP) as partition walls" submitted by Dr. Hema Nalini A V as PI and Fadi Anfas P, Ubais P, Shibili Sabir Kk as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	4000
2	Minor equipments	3000
3	Travel	1000
4	Research Literature & Documentation	1000
5	Others (for analysis)	1000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in) audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Hema Nalini A V, Professor, Dept. of Civil Engineering, Mea Engineering College, Perinthalmanna,
Malappuram, Pin Code: 679325

Copy to:

The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Fadi Anfas P, Ubais P, Shibili Sabir Kk, Student(s), Bachelor of Technology (BTech), Civil Engineering, Mea
Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No 01498 /SPS 64/2019/KSCSTE

Dear Dr. Raji CG,

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Re:- Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Railway Track Tracer System for Creature Detection" submitted by Dr. Raji CG as PI and Azra Afzal Pvc, Ashla Ajina V A, Susanna George as student investigator(s) has been approved. An amount of ₹9899/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

S.L.NO.	ITEMS	AMOUNT(₹)
1	Consumables	6999
2	Minor equipments	2000
3	Travel	100
4	Research Literature & Documentation	500
5	Others (for analysis)	0
	Total	9899

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization, Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Raji CG, Professor And Head, Dept. of Information Technology, Mea Engineering College,
Perinthalmanna, Malappuram, Pin Code: 679325

Copy to

The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Azra Afzal Pvc, Ashla Ajina V A, Susanna George, Student(s), Bachelor of Technology (BTech), Information
Technology, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 01579 /SPS 64/2019/KSCSTE

Dear Dr. Raji C G,

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "**Human Friendly Smart Trolley with Automatic Billing System**" submitted by Dr. Raji C G as PI and Jamsheer Koniyyath, Mohammed Noufal M, Muhammed Ameen V.K as student investigator(s) has been approved. An amount of ₹9200/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	7000
2	Minor equipments	1000
3	Travel	500
4	Research Literature & Documentation	200
5	Others (for analysis)	500
	Total	9200

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Raji C G, Professor And Head, Dept. of Information Technology, Mea Engineering College,
Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Jamsheer Koniyyath, Mohammed Noufal M, Muhammed Ameen V.K, Student(s), Bachelor of Technology
(BTech), Information Technology, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00030 /SPS 64/2019/KSCSTE

Dear Dr. Abdul Majeed K K,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "TEMPORAL ANALYSIS AND CLASSIFICATION OF LUNG CANCER USING CONVOLUTIONAL NEURAL NETWORK" submitted by Dr. Abdul Majeed K K as PI and Sumayya P as student investigator(s) has been approved. An amount of ₹9000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	1500
2	Minor equipments	1000
3	Travel	2000
4	Research Literature & Documentation	2500
5	Others (for analysis)	2000
	Total	9000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Abdul Majeed K K, Associate Professor And Head, Dept. of Electronics & Communication, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

✓ The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Sumayya P, Student(s), Master of Technology (MTech), Electronics & Communication, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00026 /SPS 64/2019/KSCSTE

Dear Mr. Abdul Rahim V C,

Sub:- Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Cooperative jamming for secure communications in tiered 5G wireless networks" submitted by Mr. Abdul Rahim V C as PI and Fathima Hanan as student investigator(s) has been approved. An amount of ₹8500/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	1000
2	Minor equipments	1000
3	Travel	2500
4	Research Literature & Documentation	2500
5	Others (for analysis)	1500
	Total	8500

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Mr. Abdul Rahim V C, Assistant Professor, Dept. of Electronics & Communication, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

✓ The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Fathima Hanan, Student(s), Master of Technology (MTech), Electronics & Communication, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00475 /SPS 64/2019/KSCSTE

Dear Dr. Renjith V Ravi,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Encryption-then-compression System For Secure Transmission For Colour Images Over Social Network Channel" submitted by Dr. Renjith V Ravi as PI and Sreelakshmi K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	500
2	Minor equipments	0
3	Travel	2500
4	Research Literature & Documentation	7000
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Renjith V Ravi, Associate Professor And Academic Coordinator, Dept. of Electronics & Communication,
Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

✓ The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Sreelakshmi K, Student(s), Master of Technology (MTech), Electronics & Communication, Mea Engineering
College, Perinthalmanna, Malappuram, Pin Code: 679325

1. התאמה בין המבצע להמטרה (למשל, התאמה בין המבצע להמטרה).

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Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00041 /SPS 64/2019/KSCSTE

Dear Dr. Mubarak M,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "DESIGN AND DEVELOPMENT OF AMPHIBIOUS ELECTRIC VEHICLE" submitted by Dr. Mubarak M as PI and Mohammad Azhar, Mohamed Shahid, Mohammed Afnas P, Mohammed Shameej P as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	9500
2	Minor equipments	500
3	Travel	0
4	Research Literature & Documentation	0
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Mubarak M, Associate Professor And Head, Dept. of Mechanical Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

✓ The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Mohammad Azhar, Mohamed Shahid, Mohammed Afnas P, Mohammed Shameej P, Student(s), Bachelor of Technology (BTech), Mechanical Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 01721 /SPS 64/2019/KSCSTE

Dear Dr. Mubarak M,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "USE OF BIOMIX AS FUEL IN DIESEL ENGINES" submitted by Dr. Mubarak M as PI and Mohammed Ali Munavir, Mohammed Fazal J, Safvan C, Shamil C K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	2000
2	Minor equipments	1000
3	Travel	0
4	Research Literature & Documentation	0
5	Others (for analysis)	7000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

Dr. Muharak M, Associate Professor And Head, Dept. of Mechanical Engineering, Mea Engineering College,
Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Mohammed Ali Munavir, Mohammed Fazal J, Safvan C, Shamil C K, Student(s), Bachelor of Technology (BTech),
Mechanical Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

AGREEMENT

THIS AGREEMENT is made at _____ on this day of _____ 2019

BETWEEN

The **International Centre for Free and Open Source Software (ICFOSS)**, a society registered under the Travancore Cochin Literary, Scientific and Charitable Society Registration Act, 1955 having its administrative office at Swatantra, Sports Hub, Karyavattom, Thiruvananthapuram - 695 581 represented by its Secretary and Registrar Mr Sreekumar.B hereinafter referred to as "**ICFOSS**", which expression shall include its successors and assignees on the FIRST PART

AND

_____ an Educational Institution incorporated under the _____ having its registered office at _____ PIN _____ represented by its _____, hereinafter referred to as "**INSTITUTION**", which expression shall include its successors and assignees on the SECOND PART.

WHEREAS the **INSTITUTION** has expressed interest with **ICFOSS** for establishing a "LoRa WAN based Open IoT ecosystem" including the hardware and software as developed by **ICFOSS** , hereinafter referred to as the "**ECOSYSTEM**", in their premises _____ hereinafter referred as "**PREMISES**" is agreeable for the same on terms and conditions hereinafter mentioned as mutually agreed upon between **ICFOSS** and the **INSTITUTION**.



Kerala State Council for Science, Technology and Environment

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

16.01.2020

Letter No. 00046 /SPS 64/2019/KSCSTE

Dear Mr. Muhammed Swalih N U,

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Self Aligning Chair" submitted by Mr. Muhammed Swalih N U as PI and Akhil Suresh, Abdul Hadi A, Afsal Roshan P, Amjad Shajahan P P as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	8000
2	Minor equipments	2000
3	Travel	0
4	Research literature & Documentation	0
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To:

Mr. Muhammed Swalih N U, Assistant Professor, Dept. of Mechanical Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Copy to:

The Principal, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

Akhil Suresh, Abdul Hadi A, Afsal Roshan P, Amjad Shajahan P P, Student(s), Bachelor of Technology (BTech), Mechanical Engineering, Mea Engineering College, Perinthalmanna, Malappuram, Pin Code: 679325

KSCSTE - NATIONAL TRANSPORTATION PLANNING AND RESEARCH CENTRE



(An Institution of Kerala State Council for Science, Technology & Environment)
K. Karunakaran Transpark, Akkulam, Thiruvikkal P.O, Thiruvananthapuram-695011, Kerala
E-mail: contactus.natpac@kerala.gov.in, info.natpac@kerala.gov.in
Phone: 0471 - 2551282/2554467/2553701, Website: www.natpac.kerala.gov.in



No.10/NATPAC/191/2021/DIR

15.09.2021

The Principal,
MEA Engineering College, Perinthalmanna,
Malappuram.

Sir,

Sub: Detailed Project Report (DPR) for integrated development of coastal highway with cycle track in Thiruvananthapuram, Kollam and Alappuzha districts - Acceptance of Expression of Interest for the Traffic Surveys and its work order

- Ref:*
- 1. Your EOI for the traffic surveys dated 04.09.2021*
 - 2. TOR for conducting traffic surveys*

Greetings from KSCSTE-NATPAC!

Thank you for your interest in associating with NATPAC. We would like to inform you that the following Link Volume and Turning Movement Count locations are assigned to your college in response to the Expression of Interest received for the Traffic surveys.

SL No	District	Major Stretch	Minor Stretch	Location	Chainage	Incentives (INR)
Link Volume (LV) Surveys Assigned (3 days 24 hrs on weekdays)						
1	ALP	Alappuzha Bypass SH crossing- South	Thumboli - Arthungal	Maraikulam	57+000	19150/-
2	TVM	Perumathura - Poothura		Thazhampally	55+000	19150/-
3	TVM	Poothura - Onnampalam		St. Joseph HS	57+000	19150/-
Turning Movement Count (TMC) Surveys Assigned (16 hrs - 6 am to 10 pm on weekdays)						
1	ALP	Alappuzha Bypass SH crossing- South	Thumboli - Arthungal	Thumboli road jn	48+700	12750/-

The incentives given in the above table against each location are inclusive of the contingencies and honorarium payable to the persons involved. In addition to this, professional charges amounting to a consolidated sum of INR 5,000/- will be paid to the faculty point of contact. The payments shall be made only if deliverables are submitted on agreed timelines and based on the quality of deliverables. The college should submit all the data and extracted documents on or before **8th October 2021** and shall adhere to all conditions mentioned in TOR vide ref 2. Surveys should be conducted after intimating NATPAC and the point of contact is Sri Arun Chandran, Scientist, NATPAC (Mobile no 9895573047).

An orientation program for the faculty regarding the same is scheduled at **12 noon on 17th September 2021**. The link for the same will be intimated separately.

Thanking You,

Yours truly,

(Dr. Samson Mathew)

Director

MEA ENGINEERING COLLEGE-PERINTHALMANNA

(ISO 9001 : 2015 CERTIFIED AND NAAC ACCREDITED INSTITUTION)

VENGOOR P.O., PATTIKKAD VIA., MALAPPURAM DIST., KERALA, PIN - 679 325

(Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University)

The Director

KSCSTE - National Transportation Planning and Research Centre.

Sir,

Sub: Disbursement of Professional Charges for Conducting Traffic Survey of KSCSTE-NATPAC

Ref: Work order issued by KSCSTE-NATPAC dated 15.09.2021

This is to certify that Dr. Suresh P.S., Professor, Department Civil Engineering, MEA Engineering College, Vengoor, Perinthalmanna was the point of contact for conducting traffic surveys at (Thazhampally, St. Joseph H.S, Mararikulam Midblock locations and Thumpoli Junction) as part of the project "Preparation of DPR for Integrated Development of Coastal Highway with Cycle Track in Thiruvananthapuram, Kollam and Alappuzha Districts" of KSCSTE- National Transportation Planning and Research Centre (NATPAC) under the Industry Projects Single Window Facilitation Scheme of APEAKIT during September- October, 2021. The account details are as follows.

Account No: 15986100130596

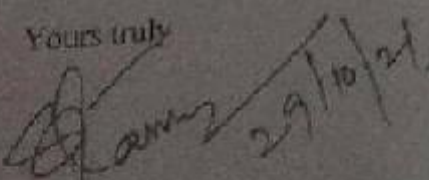
IFSC: FDRL0001598

Bank and Branch: Federal Bank, Melattur Branch, Malappuram Dist.

An amount of INR 5,000/- from KSCSTE -NATPAC may be paid to him/her as the professional charge.

Thanking You

Yours truly


Principal

(MEA Engineering College)

Tel : 04933 - 277 558 , 277558, email: info@meaec.edu.in, Website: www.meaec.edu.in

Managed by : The Muslim Educational Association

www.klingstation

MEA ENGINEERING COLLEGE-PERINTHALMANNA

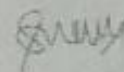
(ISO 9001 : 2015 CERTIFIED AND NAAC ACCREDITED INSTITUTION)

VENGOOR P.O., PATTIKKAD VIA., MALAPPURAM DIST., KERALA, PIN - 679 325

(Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University)

RECEIPT

Received a sum of Rs 5000/- (Rupees Five Thousand only) as professional charge for carrying out traffic survey at (locations) as part of the project "Preparation of DPR for Integrated Development of Coastal Highway with Cycle Track in Thiruvananthapuram, Kollam and Alappuzha Districts" for KSCSTE-National Transportation Planning and Research Centre (NATPAC) under the Industry Projects Single Window Facilitation Scheme of APJAKTU during September- October, 2021.



30/10/2021

Dr. Suresh P.S.

Professor, Department of Civil Engineering
MEA Engineering Colloege, Vengoor, Perinthalmanna

MEA ENGINEERING COLLEGE-PERINTHALMANNA

(ISO 9001 : 2015 CERTIFIED AND NAAC ACCREDITED INSTITUTION)

VENGOOR P.O., PATTIKKAD VIA., MALAPPURAM DIST., KERALA, PIN - 679 325

(Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University)

TAX INVOICE

Invoice No: MEA/CE/Inv. 01/2021

Date 29.10.2021

Category of service	Consultancy
Value of service	Rs. 70,200
CGST 9%	Rs.
SGST 9%	Rs
GSTIN	
GSTIN	
SAC Code	
PAN No.	AACAM0213A
Bank Account No.	15980200001093
IFSC Code.	FDRL0001598

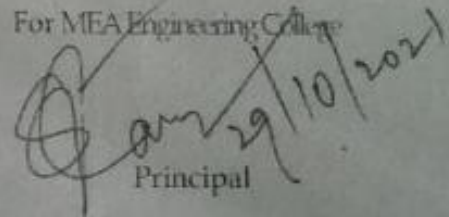
Sub: - KSCSTE-NATPAC-- reg:-

Ref:- No10/NATPAC/191/2021/DIR dated 15.09.2021

	Particulars	Amount	
		Rs.	Ps.
1	Thazhampally Mid block location-Rs. 19150 St. Joseph HS Mid block location.-Rs.19150 Mararikulam Mid block location-r. 19.150 and Thumpoly road junction TMC-12750	70,200	00
	CGST		
	SGST		
	Total	70,200	00

(Rupees Seventy thousand and two hundred only in words)

For MEA Engineering College


Principal

Tel : 04933 - 277 556 , 277558, email: info@meaec.edu.in, Website: www.meaec.edu.in

Managed by : The Muslim Educational Association



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00356/SPS 65/2021/KSCSTE

Dear Dr.Suresh P S

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Feasibility study of Wayanad Tunnel Road Project from Meppadi to Anakkampoyil." submitted by Dr.Suresh P S as PI and Salman bin usman,Shakeeb KM,Vishnupriya CK,Thamanna KP as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	1500
2	Minor equipments	1500
3	Travel	2500
4	Research Literature & Documentation	2500
5	Others (for analysis)	2000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for release of amount. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in

Thanking you,

Prof (Dr) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.Suresh P S, Professor,Civil Engineering, MEA Engineering College, Perinthalmanna-679325

Salman bin usman,Shakeeb KM,Vishnupriya CK,Thamanna KP student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00717/SPS 65/2021/KSCSTE

Dear Dr.Hema Nalini A.V

Subj:-Financial assistance for Student Project scheme of KSCSTE reg-
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "STUDY ON CONCRETE WITH PARTIAL REPLACEMENT OF COARSE AGGREGATE BY OVERBURNT BRICK BATS AND FINE AGGREGATE BY MICRO SILICA." submitted by Dr.Hema Nalini A.V as PI and Shibina P,Nasia K P,Sarath V K,Mohammed Rashid N K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	2000
2	Minor equipments	2000
3	Travel	3000
4	Research Literature & Documentation	3000
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.HemaNalini A.V, Professor and Head of Civil Engg Department,Civil Engineering, MEA Engineering College, Perinthalmanna-679325

Shibina P,Nasia K P,Sarath V K,Mohammed Rashid N Kstudent(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00356/SPS 65/2021/KSCSTE

Dear Dr.Suresh P S

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Feasibility study of Wayanad Tunnel Road Project from Meppadi to Anakkampoyil." submitted by Dr.Suresh P S as PI and Salman bin usman,Shakeeb KM,Vishnupriya CK,Thamanna KP as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SLNO.	ITEMS	AMOUNT(₹)
1	Consumables	1500
2	Minor equipments	1500
3	Travel	2500
4	Research literature & Documentation	2500
5	Others (for analysis)	2000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate number signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.Suresh P S, Professor,Civil Engineering, MEA Engineering College, Perinthalmanna-679325

Salman bin usman,Shakeeb KM,Vishnupriya CK,Thamanna KPstudent(s), MEA Engineering College,
Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00717/SPS 65/2021/KSCSTE

Dear Dr.Hema Nalini A.V

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "STUDY ON CONCRETE WITH PARTIAL REPLACEMENT OF COARSE AGGREGATE BY OVERBURNT BRICK BATS AND FINE AGGREGATE BY MICRO SILICA." submitted by Dr.Hema Nalini A.V as PI and Shihina P.Nasir K.P,Sarath V K,Mohammed Rashid N K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	2000
2	Minor equipments	2000
3	Travel	3000
4	Research Literature & Documentation	3000
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate countersigned by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.Hema Nalini A.V, Professor and Head of Civil Engg. Department,Civil Engineering, MEA Engineering College,
Perinthalmanna-679325

Shihina P.Nasir K.P,Sarath V K,Mohammed Rashid N K student(s), MEA Engineering College, Perinthalmanna-
679325



अखिल भारतीय तकनीकी शिक्षा परिषद
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 (A Statutory Body of the Govt. of India)
 CEF Complex, SURET
 New Delhi-110016



AICTE TRAINING AND LEARNING (ATAL) ACADEMY
 CEF Complex, Hyderabad-500016
 Phone: 0471-2592323, 4343, 0471, 2004
 email: atal@aicte-india.org
 Website: www.aicte-india.org/atal

F.No. 1170/AICTE/KERALA/2021-22/19
 FDP No: 1619922575

20.08.2021

To
**The Principal,
 MEA Engineering College, Malappuram - 675325**

Sub: **Release of a sum of Rs 93,000/- for AICTE Training and Learning (ATAL) Academy Online FDP.**

Sir,

This is to convey the sanction of the Council for payment of Rs. 93,000/- (Rupees Ninety-Three Thousand Only) for conduct of online AICTE Training And Learning (ATAL) Academy FDP on "Novel perspectives in the Application of Nano and Molecular Manufacturing" to MEA Engineering College, Malappuram, Scheduled on 20-08-2021 under AICTE Training And Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts

- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

- Honorarium to Coordinator: Rs 10,000/-
 - Honorarium for computer operator: Rs 2,000/-
 - Honorarium for experts (Rs 5000/session for 14 sessions): Rs 70,000/-
 - Provision for payment to Lab Attendant: Rs 1,000/-
 - Miscellaneous charges (petty expenses not covered above): Rs 10,000/-
- TOTAL = Rs.93,000/-**

Programmes having permission to change amounts under different heads with overall ceiling of Rs.0.93 lakh being intor.

- The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open to last check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. Disbursement of funds to institutions

The full amount of the grant sanctioned will be released as an advance to the University/Institute through electronic transfer on the account of the University/Institute after submission of mandate form

III. Conduct of test and issuance of certificate



सूचना का अधिकार

- A test shall be conducted by coordinator at the end of the program.
- The certificates shall be issued to those participants who have been approved by coordinator, attended the program with minimum 80% of attendance and scored minimum 60% marks in the test.

IV. Submission of documents by university/institution

- The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program: -
 - List of candidates who have successfully completed the program on the basis of the test conducted by Program Coordinator.
 - A program completion report along with photographs, videos, media report to send after the completion of workshop along with the list of participants and Utilization Certificate, Expenditure Statement, etc. within one month of conduct of AICTE Training and Learning (ATAL) Academy programme.
- The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be adjust.

V. General Instructions

- Maximum 200 participants may be allowed to attend online FDP. Coordinators are free to admit a smaller number of participants depending on the feasibility.
- A test has to be conducted (may be online) on the last day and those who score more than 60% will be termed as successful candidates. Those who have attendance 80% or more and also score more than 60% in the test will be issued a digital certificate.
- These online sessions are to be recorded as the facility is available on the software which is being used for online delivery of FDP. You are also requested to upload recording on youtube of google drive share recording link of sessions with AICTE.
- Eligibility for Participants:**
 - The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Executives/Technicians/Participants from Industry etc.) School Teachers and staff of host institutions.
 - Not more than 30% from Host Institution
- If programme is not conducted in the financial year year 2021 only, the released amount has to be returned back to AICTE.
- Any extra money required to complete the programme must be borne by the institute from their own resources but the quality of the activities should not be compromised.
- FDP title name, name of coordinator, institute name is not allowed to change without permission however schedule dates may be changed with information ATAL Academy cell and Regional Office.

This Sanction Order may be treated as Offer Letter for all purposes.



Yours sincerely,

[Handwritten Signature]

Regional Officer

Copy forwarded for information and necessary action to:-

- ATAL Coordinator, MEA Engineering College, Malappuram
- ATAL Academy Cell AICTE HQ
- Guard File





Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00106/SPS 65/2021/KSCSTE

Dear Mr. Abdul Latheef PV

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Ref: your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "MANUFACTURING OF CLUTCH LINER USING EPOXY MATRIX COMPOSITE FILLED WITH ALUMINIUM POWDER," submitted by Mr. Abdul Latheef PV as PI and Muhammed Jimshad vp, Mohammed Burhan u. Sayooj, N. Mohammed anas .G as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below:

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	3000
2	Minor equipments	2000
3	Travel	1000
4	Research literature & Documentation	1000
5	Others (for analysts)	3000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to

Mr. Abdul Latheef PV, ASSISTANT PROFESSOR, Mechanical Engineering, MEA Engineering College, Perinthalmanna-679325

Muhammed Jimshad vp, Mohammed Burhan u. Sayooj, N. Mohammed anas .G student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

20.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00024/SPS 65/2021/KSCSTE

Dear Dr.] Hussain

Sub-financial assistance for Student Project scheme of KSCSTE reg.
Re:- Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "EFFECT OF NANO ADDITIVE (CeO₂) ON THE PERFORMANCE AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE FUELLED WITH DIESEL EMULSION." submitted by Dr.] Hussain as PI and Habeeb Rahman MF, Mohamed Midlej MC, Arun K Unnikrishnan, Jithin Kumar K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	4500
2	Minor equipments	7500
3	Travel	1500
4	Research literature & Documentation	1000
5	Others (for analysis)	500
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec@kscste.kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

10

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.] Hussain, Professor, Mechanical Engineering, MEA Engineering College, Perinthalmanna-679325
Habeeb Rahman MF, Mohamed Midlej MC, Arun K Unnikrishnan, Jithin Kumar K student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 01027/SPS 65/2021/KSCSTE

Dear Dr FEBINA BEEVI

Sub:- Financial assistance for Student Project scheme of KSCSTE reg.
Re:- your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Thermal Screening Drone for Solar Panels & Electric Towers." submitted by Dr FEBINA BEEVI P as PI and MUHAMMED JUNAID A,WASIM TS,MUHAMMED SHIBILI UT,MUHAMMED SAMEEN as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	6500
2	Minor equipments	0
3	Travel	500
4	Research Literature & Documentation	3000
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sd@kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr FEBINA BEEVI P, ASSISTANT PROFESSOR & HEAD, Electrical & Electronics Engineering, MEA Engineering College, Perinthalmanna-679325

MUHAMMED JUNAID A,WASIM TS,MUHAMMED SHIBILI UT,MUHAMMED SAMEEN student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00548/SPS 55/2021/KSCSTE

Dear Dr.Renjith V Ravi

Sub-**Financial** assistance for Student Project scheme of KSCSTE reg.
Re:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Secure Colour Image Transmission Using DNA Based Encryption and Quantum Encoding with Chaos Theory," submitted by Dr.Renjith V Ravi as PI and Amani Theramban as student investigator(s) has been approved. An amount of **₹10000/-** is sanctioned by the Council. The budget estimate of the project is as detailed below:

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	0
2	Minor equipments	0
3	Travel	2500
4	Research Literature & Documentation	7500
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sud.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr.Renjith V Ravi, Associate Professor and Head, Electronics & Communication, MEA Engineering College,
Perinthalmanna-679325

Amani Theramban student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattoor

Letter No. 00172/SPS 68/2021/KSCSTE

Dear Mrs Neethu Sajeer

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "A new H-Bridge Switched Capacitor based five level inverter." submitted by Mrs. Neethu Sajeer as PI and Shaima.E.k as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	3000
2	Minor equipments	2000
3	Travel	500
4	Research Literature & Documentation	4000
5	Others (for analysis)	300
	Total	9800

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mrs. Neethu Sajeer, Assistant Professor, Electrical & Electronics Engineering, MEA Engineering College,
Perinthalmanna-679325

Shaima.E.kstudent(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00414/SP/65/2021/KSCSTE

Dear Mr.Praveen PoozhikunnathNambissan

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Cloud Intrusion Detection Method Based on Stacked Contractive Auto- Encoder and Support Vector Machine," submitted by Mr.Praveen Poozhikunnath Nambissan as PI and JISNA.P as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below:

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	0
2	Minor equipments	0
3	Travel	3000
4	Research Literature & Documentation	5000
5	Others (for analysis)	2000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to scd.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr.PraveenPoozhikunnath Nambissan, Assistant Professor,Electronics & Communication, MEA Engineering College, Perinthalmanna 679325

JISNA, Student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00605/SPS/ES/2021/KSCSTE

Dear Mr FEBINA BEEVI!

Sub -Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "DIGITAL FUEL METER," submitted by Mr FEBINA BEEVI as PI and MUHAMMAD SALEEK K K, MUHAMMED AFNEETH, C.P, MUHAMMED SHIBIN.P.K, MUNAVVIR .N.K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	5200
2	Minor equipments	0
3	Travel	500
4	Research Literature & Documentation	4000
5	Others (for analysis)	0
	Total	9700

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 673003

Copy to:

Mr FEBINA BEEVI B, Asst. Professor, Electrical & Electronics Engineering, MEA Engineering College,
Perinthalmanna-673003

MUHAMMAD SALEEK K.K, MUHAMMED AFNEETH, C.P, MUHAMMED SHIBIN.P.K, MUNAVVIR .N.K student(s),
MEA Engineering College, Perinthalmanna-673003



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vizing President
KSCSTE, Pattom

Letter No. 00135/SPS 65/2021/KSCSTE

Dear Mr.Haneesh BabuKT

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention, to the reference cited and to inform that the project proposal titled "High Step-Up Gain Switched LC Converter with an Inverter Configuration for PV Applications," submitted by Mr.Haneesh Babu KT as PI and Fathima Falroosa PP as student investigator(s), has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	3000
2	Minor equipments	1000
3	Travel	1500
4	Research Literature & Documentation	3500
5	Others (for analysis)	1000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec@kscste.kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr.Haneesh Babu KT, Associate professor, Electrical & Electronics Engineering, MEA Engineering College,
Perinthalmanna-679325

Fathima Falroosa PP student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00463/SPS 65/2021/KSCSTE

Dear Mr. Anish Kumar B

Sub:- Financial assistance for Student Project scheme of KSCSTE reg.
Ref:- Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Smart Waste Bin Using IOT," submitted by Mr. Anish Kumar B as PI and Muhammed Hajas EA, Dilshad KKAjay E, Muhammed Rafi M as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	1400
2	Minor equipments	2000
3	Travel	1700
4	Research literature & Documentation	3000
5	Others (for analysis)	500
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec@kscste.kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr. Anish Kumar B, Assistant Professor, Computer Science & Engineering, MEA Engineering College,
Perinthalmanna-679325

Muhammed Hajas EA, Dilshad KKAjay E, Muhammed Rafi M student(s), MEA Engineering College,
Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 07230/SPS 65/2021/KSCSTE

Dear Mr. MOHAMMED NAJEEBULLA A

Sub: Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled **"ATM Trace: Crowd Detection and Status Monitoring System."** submitted by Mr. MOHAMMED NAJEEBULLA A as PI and MOHAMMED SHAHBAS I, MOHAMMED NIDRAS U, MUHAMMED AJMAL P, MOHAMMED ANAS as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	1000
2	Minor equipments	3000
3	Travel	1000
4	Research Literature & Documentation	4500
5	Others (for analysis)	500
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr. MOHAMMED NAJEEBULLA A, Assistant Professor, Computer Science & Engineering, MEA Engineering College, Perinthalmanna-679325

MOHAMMED SHAHBAS I, MOHAMMED NIDRAS U, MUHAMMED AJMAL P, MOHAMMED ANAS student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00369/SPS 65/2021/KSCSTE

Dear Ms.Priya KP

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref: Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Mutual Successive Interference Cancellation Strategies in NOMA for Enhancing the Spectral Efficiency of CoMP Systems." submitted by Ms.Priya KP as PI and Lakshmi Priya K as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	0
2	Minor equipments	0
3	Travel	3000
4	Research Literature & Documentation	7000
5	Others (for analysis)	0
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Ms.Priya K P, Assistant Professor, Electronics & Communication, MEA Engineering College, Perinthalmanna-679325

Lakshmi Priya K student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00550/SPS 65/2021/KSCSTE

Dear Mr.VIVEK P S

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "Towards Secure and Efficient Deep Learning Inference in Dependable IoT Systems," submitted by Mr.VIVEK P S as PI and SAFEENA.C as student investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

Sl.NO.	ITEMS	AMOUNT(₹)
1	Consumables	0
2	Minor equipments	0
3	Travel	1000
4	Research Literature & Documentation	5000
5	Others (for analysis)	4000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sec@kscste.kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr) K.P.Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr.VIVEK P S, ASSISTANT PROFESSOR, Electronics & Communication, MEA Engineering College,
Perinthalmanna-679325

SAFEENA.C(student(s)), MEA Engineering College, Perinthalmanna 679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr.) K.P. Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00024/SPS 65/2021/KSCSTE

Dear Dr./ Hussain

Sub-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "EFFECT OF NANO ADDITIVE (CeO₂) ON THE PERFORMANCE AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE FUELLED WITH DIESEL EMULSION," submitted by Dr./ Hussain as PI and Habeeb Rahman MPMohamed Midlaj MC, Arun K Unnikrishnan, Jithin Kumar K as student, Investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	4500
2	Minor equipments	2500
3	Travel	1500
4	Research Literature & Documentation	1000
5	Others (for analysis)	500
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you,

Yours sincerely,

Prof (Dr.) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Dr./ Hussain, Professor, Mechanical Engineering, MEA Engineering College, Perinthalmanna-679325
Habeeb Rahman MPMohamed Midlaj MC, Arun K Unnikrishnan, Jithin Kumar K student(s), MEA Engineering College, Perinthalmanna-679325



Kerala State Council for Science, Technology and Environment

29.10.2021

Prof (Dr) K.P.Sudheer
Executive Vice President
KSCSTE, Pattom

Letter No. 00106/SPS 65/2021/KSCSTE

Dear MrAbdul Lathief PV

Sub:-Financial assistance for Student Project scheme of KSCSTE reg.
Ref:-Your application received under Student Project scheme

This is to invite your attention to the reference cited and to inform that the project proposal titled "MANUFACTURING OF CLUTCH LINER USING EPOXY MATRIX_nCOMPOSITE FILLED WITH ALUMINIUM POWDER." submitted by MrAbdul Lathief PV as PI and Muhammed jimshad vp,Mohammed Burhan u,Sayooj N,Mohammed anas .O as student Investigator(s) has been approved. An amount of ₹10000/- is sanctioned by the Council. The budget estimate of the project is as detailed below.

SL.NO.	ITEMS	AMOUNT(₹)
1	Consumables	3000
2	Minor equipments	2000
3	Travel	1000
4	Research Literature & Documentation	1000
5	Others (for analysis)	3000
	Total	10000

The PI has to submit the signed Terms and Conditions (as per the guidelines) and the date of start of the project within two weeks to the undersigned. The project should be completed within six months and submit the certified soft copy of the final report (in pdf to sed.kscste@kerala.gov.in), audited Statement of Expenditure and Utilization Certificate counter signed by the Head of the Institution for releasing the grant. The format for final report, SE and UC can be downloaded from www.kscste.kerala.gov.in.

Thanking you.

Yours sincerely,

Prof (Dr) K.P. Sudheer

To

The Principal, MEA Engineering College, Perinthalmanna, 679325

Copy to:

Mr.AbdulLathief PV, ASSISTANT PROFESSOR, Mechanical Engineering, MEA Engineering College, Perinthalmanna-679325

Muhammed jimshad vp,Mohammed Burhan u,Sayooj N,Mohammed anas .O student(s), MEA Engineering College, Perinthalmanna-679325

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

File Number: ITS/2023/001002

Dated: 15-May-2023

To

Dr. MUBARAK M,

MEA Engineering College , State Highway 39, Nellikunnu-vengoor , Perinthalmanna, Malappuram, Malappuram, Kerala-679325

Subject: Financial Assistance to Dr. MUBARAK M for participating in "**INTERNATIONAL CONFERENCE ON ALGAL BIOMASS, BIOFUELS AND BIOPRODUCTS, USA (12 June, 2023 to 14 June, 2023)**"

Sir/Madam

We are happy to inform you that your application seeking financial grant to attend the above mentioned international scientific event has been recommended for support by the Science and Engineering Research Board (SERB). **We will provide to and fro economic class air-fare by the shortest route, airport tax , visa fees & registration fees.** It is hoped that the support will give you an opportunity to interact with leading international experts in the area. The support, however, is subject to the following conditions.

1. You should not have received financial support during the last three years under this scheme.
2. The air tickets are to be booked in economy class at "**Lowest Available Fare**" on the date of booking. It may be noted that rescheduling/cancellation charges will not be reimbursed.
3. SERB is directed to instruct the applicant to purchase the air tickets either of these two Govt. authorized travel agents viz. i) M/s Balmer Lawrie & Company Limited (BLCL) and ii) M/s Ashok Travels & Tours (ATT). In case of failure of adherence to this guideline, air fare will not be reimbursed.
4. The candidate availing ITS must have to submit the certificate for "**Lowest Available Fare**" at the time of reimbursement..
5. The signed print copy of Claim Form along with the original Boarding passes and other relevant documents must be sent to the SERB immediately after completing the online Claim Form to the following address.

ITS Section
3rd & 4th Floor, SERB Block II
Technology Bhavan, New Mehrauli Road
New Delhi 110016
6. The account details must be in the format available at the home page of the online portal in the format section and it must be endorsed by the competent authority of the institute/university.
7. SERB will reimburse the grant after deducting the financial assistance received from any other sources, if any.
8. All other expenses such as per diem, taxi fare etc. will not be reimbursed by SERB.
9. You will have to make your own arrangements for foreign exchange required for the purpose.
10. You will not be treated as a delegate sponsored by the Government of India.
11. We request you to either accept or decline this offer at the earliest online. On acceptance only, you will be able to submit the Claim Form. Please note that once you decline this offer, it will be assumed that you are not interested in availing this offer and no further communication will be entertained in this matter.
12. You must submit Claim Form and other relevant documents online within 90 days of the Last Date of the Event, failing which SERB will not reimburse the Travel Grant.
13. If any candidate found to have furnished incorrect / misleading information at any stage, his/her candidature will be cancelled and no reimbursement will be made. The candidate will also be debarred for next three years for availing support under this scheme.

Disclaimer:

1. Financial support will be provided for physical attendance in the event. No support will be provided in case of online/web attendance.
2. No financial support will be provided other than approved items as mentioned above. SERB will not be responsible to bear any other cost borne by the candidate.

With kind regards,



(Dr. Sukumar Dey)

Scientist C

Ph: Ph: 01126511084

Email: dey.sukumar@serb.gov.in