

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION 4<sup>th</sup> Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road, Pragati Vihar New Delhi- 110 003 Telefax: 011-24369632

F.No.:8023/BOR/RID/RPS-91/2008-09

Dated: 12-03-09

The Drawing and Disbursing Officer All India Council for Technical Education 7th Floor, Chanderlok Building, Janpath Connaught Place, New Delhi - 110 001

Subject: Release of Grants under Research Promotion Scheme (RPS) for the financial year 2008-09

Sir.

5.

This is to convey the sanction of the Council for payment of Rs.10.00 Lakhs only (Rupees Ten Lakhs only) during 2008-09 under the Research Promotion Scheme (RPS) as Grant-in-aid to M M M ENGG COLLEGE, DEORIA ROAD, GORAKHPUR-273010, UTTAR PRADESH for meeting the expenditure for implementing the Scheme as per details given below:

Name of the Beneficiary Institution

(University / College / Institution)

M M M ENGG COLLEGE,

DEORIA ROAD.

GORAKHPUR-273010, UTTAR PRADESH

2. Principal Investigator Name

& Deptt.

DR. S M ALI JAWAID

CIVIL ENGINEERING

3. Co-Principal Investigator Name

DR. J B SINGH

4. Grant-in-aid Sanctioned

Non-Recurring Recurring

Rs.10.00 Lakhs only Rs.8.50 Lakhs only Rs.1.50 Lakhs only

Amount to be released

Rs.10.00 Lakhs only

6. Approved Duration

3 Years (Three Years)

7. Title of the Project

**ENERGY TRANSFER CHARACTERISTICS OF** INDIAN STANDARD SPT HAMMER AND ITS IMPACT

ON LIQUEFACTION POTENTIAL EVALUATION

- The sanctioned grant-in-aid is debitable to the major Head RPS/Plan grant and is valid for payment during the financial year 2008-09.
- The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed and credited to the Principal / Director / Registrar, M M M ENGG COLLEGE, DEORIA ROAD, GORAKHPUR-273010, UTTAR PRADESH through demand draft/Cheque.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. 3 The Registrar/Principal/Director shall intimate about the receipt of the grant to AICTE. Any Expenditure uncured prior the issuance of the approval letter is not allowed to be adjusted in the grant and if the University/Institution do not take the project work within 6 months of the receipt of the grant, approval shall ipso facto lapse.

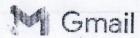
Contd.2

was running in 2015-16 or not.

Completed in 2017.

Prof. S. K. Soni





Rajeev Kumar Chauhan < rkchauhan 27@g

## RPS project 2011-12.

Travel Grant- Faculty Aicte <tgsfdc@aicte-india.org> Fri, Jan 15, 2021 a
To: Rajeev Kumar Chauhan <rkchauhan27@gmail.com>, jps\_uptu@rediffmail.com, jpsaini@mmmec.net
Cc: Col B Venkat <director.fdc@aicte-india.org>

REFERENCE: 8023/RIFD/RPS/60/2011-12.
Your RPS Proposal 2011-12 Title: Design and Development of SRAMs sanctioned at a total cost of Rs.800000/-. Your case file is hereby close For information please.

With warm regards, Col B Venkat, Director (Faculty Development Cell) AICTE, New Delhi Mobile- 8130255472



# Title of the Project: Ambient Air Quality Monitoring at Three Stations in Gorakhpur City, Gorakhpur (N. A. M. P. of C. P. C. B.)

Principal Investigator: Prof. Govind Pandey

Department: Civil Engineering

Funding Agency: Uttar Pradesh Pollution Control Board, Lucknow

Duration Status: Started in 11.07.2011 to 31.08.2023 (Extended annually)

Sr.			eceived Amount (Rs.)		
No.		Sanctioned Amount (Rs.)	Date	Mode	Amount (Rs.)
1.	2015	8,54,400	15.12.2015	Cheque No. 563616 Date: 11.12.2015	3,56,000
2.	2016	8,54,400	21.06.2016	Cheque No. 374991 Date :16.06.2016	4,27,200
			02.12.2016	Cheque No. 382021 Date: 01.12.2016	8,54,400
3.	2017	8,54,400	NIL	NIL	NIL
4.	2018	8,54,400	08.02.2018	Cheque No. 431726 Date: 06.02.018	8,54,400
			27.10.2018	Cheque No. 388334 Date: 23.10.2018	4,27,200
5.	2019	8,54,400	09.05.2019	Cheque No. 439228 Date: 03.05.2019	4,27,200
			26.08.2019	Cheque No. 571877 Date: 20.08.2019	4,27,200
6.	2020	10,56,000	11.06.2020	Cheque No. 666439 Date: 09.06.2020	4,27,200
Total Sanctioned Amount (Rs.)		53,28,000	Total Rece	ived Amount (Rs.)	42,00,800





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

F. No. 41-195/2012 (SR)

The Under Secretary (FD-III) University Grants Commission New Delhi-110002 +3 JUL 2012

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

"Composite foundation for flood prone areas subjected to scouring of foundations"

Sir,

I am to refer to your letter forwarding the application of Dr. S.M.Ali Jawaid of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 6,60,000/- (Rupees: six lakh sixty thousand only) to the Principal, Madan Mohan Malawiya Engineering college, Rs. 6,60,000/- (Rupees: six lakh sixty thousand only) to the Principal, Madan Mohan Malawiya Engineering college, Gorakhpur-273010 in r/o Major Research Project of Dr. S.M.Ali Jawaid, Department of Civil engg for the period of 3 years w.e.f. 1.7.2012 as detailed below:-

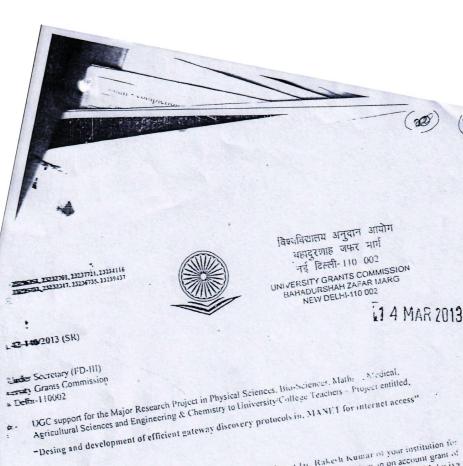
S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS IST INSTALMENT	
A. 1. 2.	Non - Recurring  Books & Journals  Equipment (as per proposal)	50,000/-	5,50,000/	GEN
B. 1. 2. 3. 4. 5. 6. 7.	Recurring Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m. Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards. Chemical/ Glassware / Consumable Hiring Services Contingency Travel/Field Work Special Need Overhead Charges @ Rs. 10% approved recurring	nil nil 50,000/- 50,000/- 1,00,000/- nil 10,000/-	1,10,000/	at a
	Grant (Except Travel & Field Work)  Total (A + B)	7,60,000/-	6,60,000/-	

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

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

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

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



1 am to refer to your letter forwarding the application of Dr. Rakesh Kumar of your institution for maneral assistance under the above scheme and to convey the Commission of Spars and Mohan Malaying Research (Rupees: six lakk seventeen thousand five hundred only) to the Praisipal, Madan Mohan Malaying Research Process of Dr. Rakesh Kumar, Deparation of Figureering College, Guraghpur-273010. UP in 76 Major Research Process of Dr. Rakesh Kumar, Deparation of Figureering College, Guraghpur-273010.

R. 6.17.500; (Rupees: six lakh seventeen thousand five hull R. 6.1	AMOUNT APPROVED	
S.No   TTEMS	25,000 5,20,000	5.45,000/-
B. Recurring Honorarium to Reid. Tegether & Rs. 12, 0005-pan Honorarium to Reid. Tegether for Rs. 12, 0005-pan Honorarium to Rs. 12, 00	and an	=2.50d/-
Rs. In the property of the man of	\$6,000 - 25,000 -	
Special Need  Special Need  Overhead Charges & Rs 10% approved to Chart through Travel & Field Wors?  Local (A 2 B)	6.80.000c	n.17.500°- manager of the self-websites of the self- manager of the self-websites of the self-websites of the self- manager of the self-websites of the self

The acceptance Centicae in prescribed formal (Annes are Lavarance events) and respective may be treated and an area month from the manual function and another manual from the manual formal and an area of the manual function.

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

23 JUL 2012

F. No. 41-658/2012 (SR)

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

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

"Indigenous ECG database creation signal analysis and disease diagnosis using recent DSP/Techniques"

Sir,

1 am to refer to your letter forwarding the application of Dr. Vinod Kumar Giri of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 10,11,600/- (Rupees: ten lakh eleven thousand six hundred only) to the Principal, Madan Mohan Malaviya Engineering College, Gorakhpur-273010 in r/o Major Research Project of Dr. Vinod Kumar Giri, Department of Electrical Engg for the period of 3 years w.e.f. 1.7.2012 as detailed below:

<u>A.</u>	Non - Recurring Books & Journals	AMOUNT APPROVED	GRANT RELEASED AS Ist INSTALMENT	Cate
3.	Equipment (as per proposal)  Recurring	30,000/-7,00,000/-	7,30,000/-	ОВС
	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m. Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards. Chemical/ Glassware / Consumable Hiring Services Contingency Travel/Field Work Discussion Seed Overhead Charges @ Rs. 10% approved recurring Drant (Except Travel & Field Work)	50,000/- 1.00.000 - nil	2,81,600/-	
17	otal (A + B)	38,600/- 12,54,600/-	10,11,600/-	

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

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

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

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



विश्वविद्यालय अनुदान आप्रोग बहादुरशाह जफर मार्ग नई दिल्ली-110 002 UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110 002 (1

F. No. 41-659/2012 (SR)

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

23 JUL 2012

Sub:- UGC support for the Major Research Project in Physical Sciences, Bio-Sciences, Maths Medical.

Agricultural Sciences and Engineering & Chemistry to University/College Teachers - Project entitled.

"Investigations on PWM Rectifier"

Sir,

l am to refer to your letter forwarding the application of Dr. Amar Nath Tiwari of your institution for financial assistance-under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 9,22,600/- (Rupees: nine lakh twenty two thousand six hundred only) to the Principal, Madan Mohan Malaviya Engineering College, Gorakhpur-273010 in r/o Major Research Project of Dr. Amar Nath Tiwari, Department of Electrical Engg for the period of 3 years w.e.f. 1.7.2012 as detailed below:

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS ISUNSTALMENT	Categ
A. 1. 2.	Non - Recurring  Books & Journals  Equipment (as per proposal)	15,000/- 7,00,000/-	7,15,000/-	GEN
B. 1. 2. 3. 4. 5. 6	Recurring Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m. Project Fellow @14,000/- p.m. for initial 2 years and Rs. 16,000/- p.m. from the third year onwards. Chemical/ Glassware / Consumable Hiring Services Contingency Travel/Field Work Special Need	nil 3,36,000/- for 2 years nil nil 10,000/- nil nil	2,07,600/-	
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	34,600/-		
	Total (A + B)	.10,95,600/-	9,22,600/-	

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

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

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

The first instalment of the grant shall comprise of 10% of the Non -Recurring including Over Head Charges, and 50% of the total Recurring grant.





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

F. No. 42-891/2013 (SR)

The Under Secretary (FD-III) University Grants Commission New Delhi-110002 25 MAR 2013

Sub:-

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

"Micro to nano finishing by pulsating flexible magnetic abrasive brush"

Sir,

I am to refer to your letter forwarding the application of Dr. Dhirendra Kumar Singh of your institution for financial assistance under the above scheme and to convey the Commission's approval & sanction an on account grant of Rs. 9,60,000/- (Rupees: nine lakh sixty thousand only) to the Principal, Madan Mohan Malaviya Engineering College, Gorakhpur-273010, UP in r/o Major Research Project of Dr. Dhirendra Kumar Singh, Department of Mechanical Engg for the period of 3 years w.e.f. 1.4,2013 as detailed below:-

S.No	ITEMS	AMOUNT APPROVED	GRANT RELEASED AS Ist INSTALMENT	Categ ory
A.	Non - Recurring	9,05,000/-	GEN	
1.	Books & Journals	5,000/-		
2.	Equipment (as per proposal)	9,00,000/-	The state of the state of	- 30
B.	Recurring	Property of the	logi di dia applica	
1.	Honorarium to Retd. Teacher @ Rs. 12, 000/- p.m.	nil		
2.	Project Fellow @14,000/- p.m. for initial 2 years and	nil selekana Ad	8.35g	
	Rs. 16,000/- p.m. from the third year onwards.	Walley Cillians	The type was an experience	
3.	Chemical/ Glassware / Consumable Hiring Services	20,000/-		
4. * 5.		20,000/-	55,000/-	1 1800
SECTION STREET	Contingency	10,000/-	stand a stage of the did	
6.	Travel/Field Work	50,000/-	MAN COMPANY AND THE	
7.	Special Need -	nil		ž.
8.	Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)	5,000/-	en e	
<b>共产</b>	Total (A + B)	10,10,000/-	9,60,000/-	. 0

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

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

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

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



विश्वविद्यालयं अनुदानं आयोग बहादुरशाहं जफर मार्ग नई दिल्ली-110 002 UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG

NEW DELHI-110 002

1 No. 42-849/2013 (SR)

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

22 MAR 2013

Sub:

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

"Effect of confinement and interface parameters on surface directed phase separation: Wetting and Organizational behavior in a conserved bigary mixture"

SIL

I am to refer to your letter forwarding the application of Dr. Satya Pal singh of your institution for Rs. 9,69,800/- (Rupees: nine lakh sixty nine thousand eight hundred only) to the Principal, Madan Mohan Malaviya Engineering College, Gorakhpur-273010, UP in r/o Major Research Project of Dr. Satya Pal singh Department of Physics for the period of 3 years w.e.f. 1.4.2013 as detailed below:

A. Non - Recurring  Books & Journals  Fquipment (Advance computing facility with server work station, computers and peripherals)  Recurring  Honorarium to Retd Teacher @ Rs. 12, 000/- p.m.  Project Fellow @14,000/- p.m. for initial 2 years and		GRANT RELEASED AS Ist INSTALMENT 6,20,000/-	Category GEN
Books & Journals  Equipment (Advance computing facility with server work station, computers and peripherals)  Recurring  Honorarium to Retd Teacher @ Rs. 12, 000/- p.m.  Project Fellow @14.000/- p.m. for initial 2.	, 6,00,000/-		GEN
Recurring Honorarium to Retd Teacher @ Rs. 12, 000/- p.m. Project Fellow @14 000/- p.m. for initial 2			i
Rs. 16.000/- p.m. from the third year onwards. Chemical/ Glassware / Consumable Hiring Services Contingency Travel Field Work	nil nil 30,000/- 30,000/-	3,49,800/-	
Overhead Charges @ Rs. 10% approved recurring Grant (Except Travel & Field Work)  Total (A + B)	nil 55,800/- 12,63,800/-	9,69,800/-	

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

If the terms & conditions are acceptable, as per guideline which are available on UGC web-site to the UGC by Registered Post in variably with in 15 days from the receipt of the Demand Draft/Cheque in favour of Secretary, UGC, New Delhi.

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

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

Joint 2016 of

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# मदन मोहन मालवीय प्रौद्योगिकी विश्वविद्यालय, गोरखपुर

पत्रांक / म०प्रौ०वि० / लेखा /५८८% / 2014

दिनांक 26 फरवरी,2014

सेवा में,

डा० के०जी० उपाध्याय प्राध्यापक, विद्युत अभियंत्रण

विषयः यू०जी०सी० प्रोजेक्ट का अनुदान विषयक।

महोदय,

आपको पूर्व में मौखिक रुप से अवगत कराया गया था कि संस्थान के बैंक खाते में यू0जी0सी0 द्वारा आर0टी0जी0एस0 के माध्यम से रु0 8,69,800.00 की धनराशि बैंक में स्थानान्तरित की गई है। जो अभी तक अप्रयुक्त पड़ी हुई है। कृपया उक्त के उपभोग हेतु आवश्यक कार्यवाही करने का कष्ट करें।

वित्त नियंत्रक

पत्रांक / म०प्रौ०वि० / लेखा / / 2014

दिनांक

फरवरी,2014

### प्रतिलिपि:-

1. वैयक्तिक सहायक, मा० कुलपति महोदय के अवलोकनार्थ

वित्त नियंत्रक



# 10

#### FILE NO. ECR/2016/000949

#### 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 Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 23-Aug-2019

ORDER

Subject: Research project entitled "Novel Smart Block Copolymers Owing Magnetic and Thermoresponsive Behaviour: Synthesis and Application in Solid/Liquid Separation." under the guidance of Dr. Krishna Kumar, APPLIED SCIENCE, Madan Mohan Malaviya University of Technology, Deoria Road, Gorakhpur, UTTAR PRADESH-273001.

- 1. This is in continuation of SERB's sanction order No. "ECR/2016/000949" dated "26 September, 2016" of Science and Engineering Research Board (SERB).
- 2. Sanction of the competent authority is hereby accorded to the payment of a sum of Rs. 350000/-. (Rupees Three Lakh Fifty Thousand only) under 'Grants-in-aid General' to Vice Chancellor, Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur being the 3rd grant for the financial year 2019-2020 for implementation of the above said project.
- 3. Sanction of the competent authority is also accorded to the carry forward of unspent balance of Rs. 120866/- (Rupees One Lakh Twenty Thousand Eight Hundred and Sixty Six only) (Recurring Rs. 120866 and Non-Recurring Rs. 0) to Madan Mohan Malaviya University of Technology, Deoria Road, Gorakhpur from FY 2018-2019 to FY 2019-2020 for the same purpose for which it was sanctioned.
- 4. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website (www.serb.gov.in).
- 5. It is certified that provision of GFR 212 relating to Utilization Certificates (Ucs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
- 6. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Early Career Research Award. (EC Chemical Sciences) (SC).
- 7. The Sanction has been issued to Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur with the approval of the competent authority under delegated powers on 22 August, 2019 and vide Diary No. SERB/F/4253/2019-2020 dated 23 August, 2019

8. The release amount of **Rs. 350000/-** (Rupees Three Lakh Fifty Thousand only) (Recurring Rs. 350000 and Non-Recurring Rs. 0) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	UPGB00001580
Account Name	MMM UNIVERSITY OF TECHNOLOGY, GORAKHPUR
Account Number	33542824744
Bank Name & Branch	SBI, MMMEC, GORAKHPUR BRANCH STATE BANK OF INDIA, MMM ENGINEERING COLLEGE, GORAKHPUR, UTTAR PRADESH, PIN-273008
IFSC/RTGS Code	SBIN0002578
Email id of A/C Holder	patovc@mmmut.ac.in
Email id of PI	neerajrab@gmail.com

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

Virus



#### FILE NO. ECR/2017/000560

#### SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(a statutory body of the Department of Science & Technology, government of India)

5 & 5Å, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 12-Mar-2018

ORDER

Subject: Financial Sanction of the research project titled " A class of nonlocal doubly singular boundary value problems with Riemann Stieltjes integral type boundary conditions" under the guidance of Dr. Amit Kumar Barnwal, Applied Sciences, Madan Mohan Malaviya University of Technology Deoria road, gorakhpur, Gorakhpur, Uttar pradesh-273001 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 1874450/- (Rs. Eighteen Lakh Seventy Four Thousand Four Hundred and Fifty Only) with break-up of Rs. 190850/- under Capital (Non-recurring) head and Rs. 1683600/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 1874450/- has been approved are given below:

The following budget may be considered for Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur

S. No	Head	Total (în Rs.)
A	Non-recurring	
1	Equipment -> Maple 2016 Stand-alone Non-Floating License - for one computer -> Laptop -> Printer	190850
A'	Total (Non-Recurring)	190850
В	Recurring Items	
1	Recurring - A : (Manpower)  Recurring - B : (Consumables, Travel, Contingencies)	1123200 390000
2	Recurring - C : (Overhead Charges)	170400
₿'	Total (Recurring)	1683600
С	Total cost of the project (A' + B')	1874450

2. Sanction of the SERB is also accorded to the payment of

Rs. 190850/- (Rupees One Lakh Ninety Thousand Eight Hundred and Fifty only) under 'Grants for creation of capital
assets' and Rs. 280600/- (Rupees Two Lakh Eighty Thousand Six Hundred only) under 'Grants-in-aid General' to Vice
Chancellor, Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur

being the first installment of the grant for the year 2017-2018 for implementation of the said research project.

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

This release is being made under Early Career Research Award. (EC Physical & Mathematical Sciences)

- 4. The Sanction has been issued to Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur with the approval of the competent authority under delegated powers on 09 March, 2018 and vide Diary No. SERB/F/10218/2017-2018 dated 10 March, 2018
- 5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- 6. 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.
- 7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 8. 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.
- 9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

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(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

# Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी

अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwived Dean Post Graduate Studies and Research 8 Development

Letter No./MUT/Dean.PGSanc'R&D/RIG/ 965 /2018

Dated: 20.12.2018

To,

Dr. Sneha Gupta, Assistant Professor Department of Civil Engineering, Madan Mohan Malaviya University of Technology,

Subject: Regarding your Research Initiation Grant project entitled "Efficient Design of Concrete Filled Steel Field Tube Column"

Dear.

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Principal I	Total (for two years)	2,00,000.00
and the computer a	The second secon	1,00,000.00
quipment, software etc (excluding AC, Computer and Printer)		50,000.00
Consumables		30,000.00
Contingency		20,000.00
Travel Travel	ed (for two years):	

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

DUDWIEL

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/2018

Dated: 20.12.2018

Copy: forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 3. Controller of Finance
- 4. Head of Department, CE
- Coordinator Troto



FILE NO. ECR/2016/001274

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 Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 23-Mar-2017

ORDER

Subject: Financial Sanction of the research project titled "Study of Derived length and Nilpotency class of group algebras" under the guidance of Dr. Harish Chandra, Applied Science, Madan Mohan Malaviya University of Technology Gorakhpur , Madan mohan malaviya university of technology gorakhpur-273010 (up), Gorakhpur, Uttar pradesh-273010 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 545290/- (Rs. Five Lakh Forty Five Thousand Two Hundred and Ninety Only) with break-up of Rs. 145720/- under Capital (Non-recurring) head and Rs.399570/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 545290/- has been approved are given

The following budget may be considered for Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur

		Total (in Rs.)
S. No	Head	
A	Non-recurring	145720
1	Equipment -> Desktop -> Printer -> MAGMA, COMPUTATIONAL ALGEBRA SYSTEM	145720
A'	Total (Non-Recurring)	
В	Recurring Items	350000
1	Recurring - A: (Consumables, Travel, Contingencies)	
		49570
2	Recurring - B : (Overhead Charges)	39957
B'	Total (Recurring)	54529
С	Total cost of the project (A' + B')	

2. Sanction of the SERB is also accorded to the payment of

Rs. 145720/- (Rupees One Lakh Forty Five Thousand Seven Hundred and Twenty only) under 'Grants for creation of capital assets' and Rs. 60000/- (Rupees Sixty Thousand only) under 'Grants-in-aid General' to Vice Chancellor, Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur

being the first installment of the grant for the year 2016-2017 for implementation of the said research project.

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

This release is being made under Early Career Research Award. (EC Physical & Mathematical Sciences)

- 4. The Sanction has been issued to Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur with the approval of the competent authority under delegated powers on 21 March, 2017 and vide Diary No. SERB/F/9742/2016-17 dated 22 March, 2017
- 5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- 6. 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.
- 7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- 8. 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.
- 9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

annial HITH) HOD (CS

18 OCT 2317

(R. N. Tripathi) Internal Auditor/Accountage

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Nelson Mandela Marg, Vasant Kunj, New Delhi-110067

Ref. No. 9-40/RIFD/MODROB/Policy-1/2016-17

The Drawing and Disbursing Officer (Local)

210年前部5

Release of Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROBS) for the year 2 payable during the current financial year 2017-18. Sub:

I am directed to convey the sanction of the Council for payment of Rs. 40000/- (Rupees Fourty Thousand Only) for the ye Sir, 18 under the Modernization and Removal of Obsolescence Scheme (MODROBS) to Madan Mohan Malaviya University Of Technology Mohan Malaviya Engineering College, Deoria Road, Gorakhpur-273010Uttar Pradesh for meeting the expenditure for implement Scheme as per details given below:

Name of the Beneficiary Institution

Madan Mohan Malaviya University of Technology, Madan Mohan Malaviya Engineering College Deoria Road, Gorakhpur-273010, Gorakhpur, Uttar Pradesh

Chief Coordinator's Name & Deptt.

Dr. Rakesh Kumar, Deptt. of Computer Science/ Technical En

Modernization of Windows and Unix Lab

Title of the Project Grant-in-aid Sanctioned Rs.40000/- [Rs.40000 /- for non-recurring only]

(80% in advance and 20% as reimbursement on submission of UC and other related documents)

Amount to be released

Rs. 40000/-2 Year

Approved Duration (in years) 6

The sanctioned grant-in-aid is debitable to the major Head 601.4.a MODROBS grant and is valid for payment during the

- 1. The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of The Principal, Registrar Madan Mohan Malaviya University Of Technology, Madan Mohan Malaviya Engineering College, Deoria Road, 2.
- The Institute is requested to verify the correctness of the under mention bank account/ RTGD submitted by them alc proposals, in which the grant is being released. In case of any omission the same should be reported to AICTE immed 3 with refund of entire grant.

Bank Name	Bank Branch and address	Holder's Name	Account Number 33542824744	Type of Account Saving	SBIN0002578	Institution Govt aided	
STATE BANK OF INDIA	MMMEC Gorakhpur	Madan Mohan Malaviya University of Technology, Gorakhpur		Account	pencement of the		

- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. the principa registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to the issuance of letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project wo 4. month of the receipt of the grant, the approval shall ipso facto lapse.
- Each project sanctioned by AICTE is assigned a specific Ref. No. given on the pre-page. All correspondences related must contain this number along with year of sanction of the project; failing which correspondence will not be enterta 5
- The accounts of the grantee which are liable to be audited by the Council or Comptroller and Audited General of I 6 Officer designated for the purpose.

The institute/University shall not charge any overheads on this project and will provide all the administrati completion of the project.

The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case the grantee shall utilize grants on only approved items of expenditure (list enclosed). recast the project, approval of the Council must be obtained for the revised item of expenditure and they will n accounts of the expenditure as per the norms/procedures of AICTE/Government of India.





(पूर्ववर्ती मवन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उठ प्रठ सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology. Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्री0 डी० के0 विवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 976 /2018

Dated: 20.12.2018

Dr. Ravi Kumar Gupta, Assistant Professor Department of Applied Science, Madan Mohan Malaviya University of Technology,

Subject: Regarding your Research Initiation Grant project entitled "Working Conditions of Informal Sector Workers: A Case Study of Informal Workers in KAVALG Cities of Uttar

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel	
	20,000.00
Contingency	30,000.00
Consumables	50,000.00
Equipment, software etc (excluding AC, Computer and Printer)	1,00,000.00
Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

> That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.

Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate St idies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Findly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Midwall (Prof. D. K. Dwivedi)

Letter No./MUT/Deart.PGSandR&D/RIG/

Dated: 20.12.2018

Copy; forwarded for information and necessary action to:

PA to Vice Chancellor, for kind Information to Hon'ble Vice Chancellor Sir.

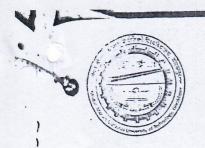
Registrar

Controller of Finance

Head of Department, AS Coordinator TEQIP

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POCO



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ० प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology Gorakhpur – 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास Prof. D. K. Dwivedi
Dean Post Graduate Studies and Research &
Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 977 /2018

Dated: 20.12.2018

To,

Dr. Ravi Shankar, Assistant Professor
Department of Chemical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Simultaneous Treatment and Energy Recovery From Industrial Wastewater Through Electrocoagulation Using Low Cost Electrodes"

Dear.

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel		20,000,00
		20,000.00
Contingency		30,000.00
Consumables		50,000.00
Equipment, software etc (excluding AC, Computer and P	rinter)	1,00,000.00
	Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.

Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/2018

Dated: 20.12.2018

Copy: forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 2. Registrar
- 3. Controller of Finance
- 4. Head of Department, CH
- 5. Coordinator TEQIP



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उठ प्रठ सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

### Madan Mohan Malaviya University of Technology Gorakhpur – 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी

अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwivedi
Dean Post Graduate Studies and Research &
Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 969 /2018

Dated: 20.12.2018

To,

Dr. Prateek Khare, Assistant Professor Department of Chemical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "A Simple Approach for Utilizing the Waste fly-ash Carbon as an Efficient Electrode for Microbial Fuel Cell Application"

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel .		20,000.00
Contingency		30,000.00
Consumables		50,000.00
Equipment, software etc (excluding AC, Computer and F	Printer)	1,00,000.00
	Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Sull weed

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/2018

Dated: 20.12.2018

Copy: forwarded for information and necessary action to:-

1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.

2. Registrar

3. Controller of Finance

4. Head of Department, CH

5. Coordinator TEQIP



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

# Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी

अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwive Dean Post Graduate Studies and Research Developme

Dated: 20.12.2018

Letter No./MUT/Dean.PGSandR&D/RIG/ 978 /2018

Dr. Jyoti, Assistant Professor

Department of Chemical Engineering, Madan Mohan Malaviya University of

Subject: Regarding your Research Initiation Grant project entitled "Comparative Study of Activation Method for Persulphate and It's Application to Toxic Water Pollutant Degradation"

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Principal Investigation (for two years)	2,00,000.00
	1,00,000.00
Equipment, software etc (excluding AC, Computer and Printer)	50,000.00
Consumables	30,000.00
Contingency	20,000.00
Travel Travel	

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Dusous. (Prof. D. K. Dwivedi)

ketter No./MUT/Dean.PGSandR&D/RIG/

Dated: 20.12.2018

(:)forwarded for information and necessary action to:-

PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.

Controller of Finance

Head of Department, CH

5. Coordinator TEQIP



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी

अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwived Dean Post Graduate Studies and Research 8 Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 966 /2018

Dated: 20.12.2018

To,

Dr. Vinay Bhushan Chauhan, Assistant Professor Department of Civil Engineering, Madan Mohan Malaviya University of Technology,

Subject: Regarding your Research Initiation Grant project entitled "Design Parameters for the Rigid Retaining Wall with Relief Shelves"

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above results project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

	Total (for two years)	2,00,000.00
, see (excluding Ac, Computer and		1,60,000.00
Equipment, software etc (excluding AC, Computer and	William Control	NIL
Consumables		20,000.00
Contingency		20,000.00
Travel	(101 two years).	

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- > Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Susumed. (Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/2018

Dated: 20.12.2018

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- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 2. Registrar
- 3. Controller of Finance
- 4. Head of Department, CE
- 5. Coordinator TEQIP



### INDO-GERMAN SCIENCE & TECHNOLOGY CENTRE

A Bilateral Institution of Government of India (DST) and Federal Ministry of Education and Research (BMBF)

IGSTC/Call 2016/ECO-WET/14/2017/ & 7

Date: 27 March 2018

#### **Project Award Letter**

Sub: IGSTC Project on Efficient coupling of - water and energy technologies for smart sustainable cities (ECO-WET) - Release of Grant

 Approval of the Director, IGSTC is hereby accorded for the implementation of Indo-German R & D Project under IGSTC (2+2 scheme) on "Efficient coupling of - water and energy technologies for smart sustainable cities (ECO-WET)" with a total cost (to IGSTC) of Rs 157.1 lakhs for a period of 36 months. The project is being coordinated by following partners:

Indian Side	German side
Dr Naran Pindoriya	Dr Markus Duchon
Assistant Professor	Smart Energy Systems Group and Industrial
Dept. of Electrical Engineering	Automation Group
IIT Gandhinagar	fortiss GmbH, Munich
Prof Sriniwas Singh	
Vice-Chancellor	
MMM University of Technology Gorakhpur	
Mr ArvindKumar Rajput &	Mr Daniel Ackermann
Ms Janki Jethi	Embedded Software Development Team
Gujarat International Finance Tec-City	Sonnen GmbH, Wildpoldsried
Company Limited (GIFTCL), Gandhinagar	

The Project has been approved for a period of 3 years. The details of approved amount of grant (to institutional and industrial Partners in India) and industry contribution as consortium partner are as follows:

All figures are in INR Lakhs

Partner	Year-1	Year-2	Year-3	Total
IIT Gandhinagar	45.5	17.5	18.75	81.75
MMMUT Gorakhpur	8.35	8.5	8.5	25.35
GIFTCL (IGSTC contribution)	37.24	6.38	6.38	50
GIFTCL (Industry contribution)	750	-	-	750
Grand Total	841.09	32.38	33.63	907.1

3. Fund release – IIT Gandhinagar: The detailed breakup of the approved amount (heads of expenditure) is given in Annexure I. The Grants for subsequent years will be released only after satisfactory progress of scientific work plan as detailed in the project proposal and on receipt of annual Utilisation Certificate and Statement of Expenditure (UC/SE) together with annual Progress Report from the grantee host institution. The payment of Year-1 grant amounting to Rs 45,50,000/- to IIT Gandhinagar may be made by IGSTC by means of electronic transfer to the following a/c as per Bank Details given below:

111	Gandhinagar - Institutional	Farther
1.	Account Name	IIT Gandhinagar Project & Consultancy Account
2.	Account No.	1414132000011
3.	IFSC Code	CNRB0005159
4.	Bank Name & Address	Canara Bank, Indian Institute of Technology Gandhinagar Palai, Gandhinagar – 382355, India

Plot No. 102, Institutional Area, Sector - 44 Gurgaon - 122003, India. Tel: +91-124 4929 400

C/o DLR, Heinrich-Konen-Str. 1, 53227 Bonn, Germany. Tel: +49-228 3821 1407

info.igstc@igstc.org • www.igstc.org Catalysing Indo-German Research & Technology Partnership





# मदन मोहन माल ग्रेथ प्रौद्योगिकी विश्वविद्यालय

यो रखपुर-273010 (उ०प्रा) भारत (पूर्ववर्ती मदन मोहन मालबीय क्षणियरिंग गालेज, गोरवपुर) 30 प्रा सरकार के विभियम सर म 22/2013 प्रारा स्थानित

## Madan Mohan Mala riya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Molaviya Engineering College, Gorakhpur)
Established by Accino. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 दिवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwive Dear Post Graduate Studies and Research
Developme

Letter No./MUT/Dean.PGSandR&D/RIG/ 9 79/2018

Dated 20.12.2018

To,

Dr. Navdeep Singh, Assistant Professor Department of Electrical Engineering, Midan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Gran. project entitled "Digital Controller for Matrix Converter"

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhi ur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years)

Travel Travel	
Contingency	20,000.00
	30,000.00
Consumables	50,000.00
Equipment, software etc (excluding AC, Computer and Printer)	
都是是自身的大型的基础的。可以在这里的一种,对于这个人的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一	1.00,000.00
Total (for two years	2,00,000.00

The Principal Investigator will have to ensure:

> That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Frincipal Investigator will have to return any grant released in the project.

> Publication must include the acknowledgement to RIG MMMUT, Gorakhput & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above

Yours faithfully

(Prof. D. K Dwived)

Letter No./PRIT/Dean PGSundR&D/RIG/ /2018

Copy: forward ad for information and necessary action to:

11. PA to Vice Chancellar, for kink information to Fon ble Vice Chancellor S

Controllar of Finance Head of Repartment, F Coordinator TEQIP

# Council of Science & Technology, U.P.

(Department of Science & Technology, Govt. of U.P.) Vigyan Bhawan, 9 Nabiullah Road, Suraj Kund Park, Lucknow-226 018, Uttar Pradesh Phone: 0522-2202448, 2611773 Fax: 0522-2611793



Number: CST/D-\_\_\_832-6

Date. 14 /03 2018

To

Mr. Rajan Mishra

Department of Electronics and Communication Engineering Madan Mohan Malaviya University of Technology, Deoria Road, Gorakhpur-273010

# Subject:-Regarding your research project entitled "UWB Antennas for Breast Cancer Detection"

Dear Sir.

This is with reference to above mentioned research project submitted to the council for financial assistance. It is to inform you that above research project has been sanctioned by the council with financial support of Rs 12,09,000/- under the following heads for the period of three years.

1st Year	2nd Year	3rd Vear	Total
			Autai
240000.00	240000.00	264000 00	744000.00
190000.00			
	0.00	0.00	190000.00
75000.00	100000.00	100000 00	275000.00
0.00	0.00		
505000.00	340000.00	364000.00	0.00 1209000.00
	240000.00 190000.00 75000.00 0.00	240000.00 240000.00 190000.00 0.00 75000.00 100000.00 0.00 0.00	240000.00     240000.00     264000.00       190000.00     0.00     0.00       75000.00     100000.00     100000.00       0.00     0.00     0.00

The necessary action may kindly be taken for the appointment of research staff sanctioned in the above project strictly following the guidelines given in the booklet "General Information and Guidelines for Award of Research Assistantship & Grant-in-aid Regulations-1988", a copy of which is enclosed along with list of required documents of Research Staff to be appointed in your research scheme (ANNEXURE A). The duration of the project will be counted from the date of joining of the staff under the project as date of commencement of the project. The appointment of research staff approved in the project will be sent to CST UP along with recommendation of selection committee. The age and educational qualification should be strictly as per Grant-in-aid Regulations-1988. You are requested to send appointment documents as per Annexure A attached along with letter. Kindly expedite the appointment process



## गोरखपुर-273010 (उ0प्र0)भारत

(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उठ प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

#### Madan Mohan Malaviya University of Technology Gorakhpur – 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 97/ /2018

Dated: 20.12.2018

To,

Dr. B. P. Pandey, Assistant Professor
Department of Electronics & Comm. Engineering, Madan Mohan Malaviya University
of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Electronic, Optical and Photovoltaic Properties of the 2D Materials"

Dear.

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel	20,000.00
Contingency	30,000.00
Consumables	50,000.00
Equipment, software etc (excluding AC, Computer and Printer)	1,00,000.00
Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

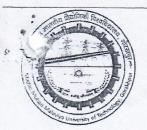
/2018

Dated: 20.12,2018

Copy: forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 2. Registrar
- 3. Controller of Finance
- 4. Head of Department, EC
- 5. Coordinator TEQIP

29/10/119





(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 दिवेदी

अधिष्ठाता परास्नातक'अध्ययन एवं शोंघ व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 972/2018

Dated: 20.12.2018

Dr. Pooja Lohia, Assistant Professor Department of Electronics & Comm. Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Development and Characterization of Optical Fiber Using Glassy Semiconductors for Sensing Application"

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel	101 two years):	
Contingency		NIL
		NIL
Consumables		10,000.00
Equipment, software etc (excluding AC, Computer and F	Printer)	1,90,000.00
	Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- > Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Moureli

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/2018

Dated: 20.12.2018

Copy: forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 2. Registrar
- 3. Controller of Finance
- 4. Head of Department, EC
- Coordinator TEQIP





्एवंवर्ती अञ्च मोडन मन्ध्यंत्र इत्योनगरिंग कालन, गोरखपुरः 30 व्र. सम्बाह के अधिनयम सम्बंध २२/२०१३ पास स्वाधित

#### Madan Mohan Malaviya University of Technology Gorakhpur – 273010 (U.P.) India

(Formerly: Madam Mohan Mahariya Engineering College: Gurakliput)
Established by Act no. 22 of 2013 of U.F. Govt.

प्रों0 डी0 कें<mark>0 द्विवेदी</mark> अधिष्टाता एमस्नातक अध्ययन एवं शोध व विकास Prof. D. K. Dwivedi
Dean Post Graduate Studies and Research &
Development

Letter No./MUT/Dean.PGSandR&D/RIG: 473 /2018

Dated 20.12.2018

Dr. Dharmendra Kumar, Assistant Professor

Department of Electronics & Comm. Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Theoretical Investigation of Electronic and Optical Properties of Semiconductor Quantum Dots"

Dear.

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Ps. 2.00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Total (for two years)	2,00,000.00
Equipment, software etc (excluding AC, Computer and Printer)	1,00,000.00
Consumables	50,000,00
Contingency .	30,000.00
Travel	20,000.00

The Principal Investigator will have to ensure:-

- That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Diller work

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RiG/

/2018

Dated: 20.12.2018

Copy, forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir
- 2. Registrar
- 3. Controller of Finance
- 4. Head of Department, EC
- 5. Coordinator TEQIP

(Prof. D. K. Dwivedi)

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(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ० प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 द्विवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 970 /2018

Dated: 20.12.2013

To,

Dr. Sudhanshu Verma, Assisatnt Professor Department of Electronics & Comm. Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Design and Development of Miniaturized Wearable Textile based Antenna for Biomedical Applications"

Dear,

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel		20,000.00
Contingency		30,000.00
Consumables		50,000.00
Equipment, software etc (excluding AC, Computer ar	na Printer)	1,00,000.00
	Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original a, i not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- > Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully :

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

/201R

Dated: 20.12.2018

Copy: forwarded for information and necessary action to:-

- 1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.
- 2. Registrar
- Controller of Finance
   Head of Department, EC
- 5. Coordinator TEQIP



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

## Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 दिवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 967 /2018

Dated: 20.12.2018

To,

Dr, Swati Gangwar, Assistant Professor Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Development and Characterization of Polymer-Based Bio Composites for Hip Joint"

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Deministry of Great Action (2017)	
Travel	20,000.00
Contingency	30,000.00
Consumables	50,000.00
Equipment, software etc (excluding AC, Computer and Printer)	1,00,000.00
Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- > Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

(Prof. D. K. Dwivedi)

Susurcal.

() Dated: 20.12.2018

Letter No./MUT/Dean.PGSandR&D/RIG/967 /2018

Copy: forwarded for information and necessary action to:-

1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.

2. Registrar

3. Controller of Finance

4. Head of Department, ME

5. Coordinator TEQIP



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ० प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

### Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 दिवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोघ व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 968 /2018

Dated: 20.12.2018

Dr. Laxmi Kant Yadav, Assistant Professor Department of Mechanical Engineering, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Performance Analysis of Heating and Humidification System With Solar Assisted Desiccant Rotor"

This is with reference to above mentioned research grant submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

Travel	20,000.00
Contingency	30,000.00
Consumables	50,000.00
Equipment, software etc (excluding AC, Computer and Printer)	1,00,000.00
Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

- > That the work carried out under the projects is original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- > Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on the completion of project

Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

- Dated: 20.12.2018

Letter No./MUT/Dean.PGSandR&D/RIG/968 /2018

Copy: forwarded for information and necessary action to:-

1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.

2. Registrar

3. Controller of Finance

4. Head of Department, ME

5. Coordinator TEQIP





# राष्ट्रीय परियोजना कार्यान्वयन एकक

(तकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मत्रालय का एकक)

National Project Implementation Unit

(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

18th June 2019

#### **CERTIFICATE OF SANCTION**

This is to certify that a Research Proposal entitled, "Generation of chirped arbitrary microwave waveforms with enhanced performance using photonic techniq" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1 Mr. RITESH KUMAR

Principal Investigator

MMM University of

2 Dr.POOJA LOHIA

Co-Principal Investigator

Technology, Gorakhpur MMMUT,GORAKHPUR

3 Prof. SANJEEV RAGHUWANSHI

Co-Principal Investigator

IIT ISM

A grant of ₹1492000 (*Rupees Forteen Lakh Ninety Two Thousand Only*) has been sanctioned for the project, as per following details:

S.No.	Expendit	ture Head	Sanctioned Amount (₹)
1	Non-recu	rring	1216667
2	Recurring	g	
	(i)	Domestic Travel	93333
	(ii)	Contingencies	56667
	(iii)	Consumables	56667
	(iv)	Miscellanéous	68333
		Total	1492000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Prof. (Dr.) P M Khodke

(30 - LW)

Central Project Advisor

फੈਂਕਬ / Fax:+91-11-26941012, 26941014 ਰੈਵ साईਟ / Web site: www.npiu.nic.ín ई–ਮੇਰ / E-mail: npiu-mhrd@gov.in





## राष्ट्रीय परियोजना कार्यान्वयन एकक

तिकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मंत्रालय का एकक)

## National Project Implementation Unit

(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

18th June 2019

#### **CERTIFICATE OF SANCTION**

This is to certify that a Research Proposal entitled, "Development of IoT Controlled Frequency/Pattern Reconfigurable MIMO Antenna for Energy Harvesting System" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Mr. SHADAB AZAM SIDDIQUE	Principal Investigator	MMM University of Technology, Gorakhpur
2	Dr. SANJAY KUMAR SONI	Co-Principal Investigator	MMMUT GORAKHPUR
3	Dr. MANOJ KUMAR MESHRAM	Co-Principal Investigator	IIT BHU VARANASI
4	Dr. BRIJESH MISHRA	Co-Principal Investigator	MMMUT, Gorakhpur

A grant of ₹1297000 (Rupees Twelve Lakhs Ninety Seven Thousand and Paise Zero Only) has been sanctioned for the project, as per following details:

S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recurring '		896667
2	Recurrin	g	
	(i)	Domestic Travel	125000
	(ii)	Contingencies	116667
	(iii)	Consumables	108333
	(iv)	Miscellaneous	50000
		Total	1297000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

**Prof. (Dr.) P M Khodke** Central Project Advisor

(3) - W

Shodoby

वैब साईट / Web site : www.npiu.nic.in ई—मेल / E-mail : npiu-mhrd@gov.in





## राष्ट्रीय परियोजना कार्यान्वयन एकक

(तकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मजालय का एकक)

## National Project Implementation Unit

(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

18th June 2019

#### CERTIFICATE OF SANCTION

This is to certify that a Research Proposal entitled, "Testbed Design for Spectral Sensing of Cognitive Radio with 5G Applications" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Dr. BRIJESH MISHRA	Principal Investigator	MMM University of
			Technology, Gorakhpur
2	Dr.SANJAY KUMAR SONI	Co-Principal Investigator	MMMUT, Gorakhpur
3	Dr.UPENA D. DALAL	Co-Principal Investigator	SVNIT SURAT
4	Mr. SHADAB AZAM SIDDIQUE	Co-Principal Investigator	MMMUT, Gorakhpur

A grant of ₹1775000 (*Rupees Seventeen Lakh Seventy Five Thousand Only*) has been sanctioned for the project, as per following details:

S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recu	rring	1300000
2	Recurrin	g	
	(i)	Domestic Travel	166667
	(ii)	Contingencies	113333
	(iii)	Consumables	133333
	(iv)	Miscellaneous	61667
		Total	1775000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Prof. (Dr.) P M Khodke Central Project Advisor

दूरभाष / Phone: +91-11-26941003/04/06/08/09/29

फैक्स / Fax:+91-11-26941012, 26941014 वैब साईट / Web site: www.npiu.nic.in

ई-मेल / E-mail:nplu-mhrd@gov.in

Shadab

37

राष्ट्रीय परियोजना कार्यान्त्यन एकक (Ga-14) शिक्ष में प्रिन के स्थापक परियोजना के स्थापन से स्थि आठा सम्बद्ध स्थापन से स्थापन स्थापन स्थापन स्थापन

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National Project Impl

TINIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN SECUNICAL EDUCATION

18th June 2019

#### **CERTIFICATE OF SANCTION**

This is to certify that a Research Proposal entitled, "Design and Analysis of Optical Waveguide for Biosensing Application" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Ms. RUKMANI SINGH	Principal Investigator	MMM University of
2/	Mr. DHARMENDRA KUMAR	Co-Principal Investigator	Technology, Gorakhpur Madan Mohan Malviya
			University of Technology,
			U.P.
3	Mr. VISHNU PRIYE	Co-Principal Investigator	IIIT, RANCHI
4	Mr. YOGENDRA PRAJAPATI	Co-Principal Investigator	MNNIT, ALLAHABAD

A grant of ₹1100000 (Rupees Eleven Lakh Only) has been sanctioned for the project, as per following details:

S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recurring		793333
2	Recurrin	g	
	(i)	Domestic Travel	106667
Alisa	(ii)	Contingencies	83333
	(iii)	Consumables	60000
	(iv)	Miscellaneous	56667
		Total	1100000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Prof. (Dr.) P M Khodke Central Project Advisor

क्रोपिया कॉरपोरेट सुइट्स, वृतीय तल 301-302 जॉट न 9 जसोला विहार गई दिल्मी 110025 Copia Corporate Suites, 3rd Floor 301-302, Plot No. 9, Jasola Vihar, New Delhi-110025

दूशमा / Phone +91-11-26941003/04/06/08/09/29

र्षं क्स / Fax : +91-11-26941012, 26941014 वैब साईट / Web site : www.npiu.nic.in ई-पेल / E-mail : npiu-mhrd@gov.in



# राष्ट्रीय परियोजना कार्यान्वयन एएक (तकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मंत्रालय का एकक)



(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

18th June 2019

#### CERTIFICATE OF SANCTION

This is to certify that a Research Proposal entitled, "Carbon Nano-Structured Reinforced Epoxy Composites For Structural Applications" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Dr. VIJAY KUMAR SINGH	Principal Investigator	MMM University of Technology, Gorakhpur
2	Dr. RAJESH VERMA	Co-Principal Investigator	MMMUT GORAKHPUR
3	Dr. HARSHIT DAVE	Co-Principal Investigator	SVNIT SURAT
4	Dr. ARPAN MONDAL	Co-Principal Investigator	NITTTR KOLKATA
5	Prof. DHIRENDRA SINGH	Co-Principal Investigator	MMMUT, Gorakhpur

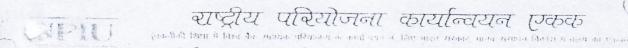
A grant of ₹1855000 (Rupees Eighteen Lakhs Fifty Five Thousand and Paise Zero Only) has been sanctioned for the project, as per following details:

S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recu	rring	1400000
2	Recurrin	g	
	(i)	Domestic Travel	125000
	(ii)	Contingencies	80000
	(iii)	Consumables	175000
	(iv)	Miscellaneous	75000
		Total	1855000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Prof. (Dr.) P M Khodke Central Project Advisor





National Project Implementation Unit

(A UNIT OF MUNISTRY OF JUMAN 92 SOURCE OF VELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORTH BANK ASSISTED PROJECTS IN TECHNICAL CHICATICS).

18th June 2019

#### CERTIFICATE OF SANCTION

This is to certify that a Research Proposal entitled, "EXPERIMENTAL INVENTIGATION OF TRIBOLOGICAL PROPERTIES & OIL FILM THICKNESS ANALYSIS OF NANOLUBRICANT" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

Mr. ANKIT SAXENA	Principal Investigator	MMM University of
Ms. SWATI GANGWAR	Co-Principal Investigator	Technology, Gorakhpur MMMUT GORAKHPUR
Mr. GAURAB GHOSH	Co-Principal Investigator	IGIT SARANG
Mr. RITESH PATEL		IGIT,SARANG
Mr. VIVEK CHAUDHARY	Co-Principal Investigator	MMMUT, Gorakhpur
	Ms. SWATI GANGWAR Mr. GAURAB GHOSH Mr. RITESH PATEL	Ms. SWATI GANGWAR Mr. GAURAB GHOSH Mr. RITESH PATEL  Co-Principal Investigator Co-Principal Investigator

A grant of ₹1557000 (Rupees Fifteen Lakh Fifty Seven Thousand Only) has been sanctioned for the project, as per following details:

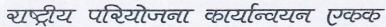
S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recu	rring	1243333
2	Recurring	7	
	(i)	Domestic Travel	130000
	(ii)	Contingencies	50000
	(iii)	Consumables	73333
	(iv)	Miscellaneous	60000
		Total	1557000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

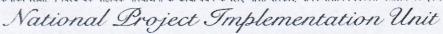
Ankit Soxero

Prof. (Dr.) P M Khodke Central Project Advisor





(तकनीकी शिक्षा में विश्व बैंक सहायक परियोजना के कार्यान्वयन के लिए भारत सरकार, मानव संसाधन विकास मन्नालय का एकक)



(A UNIT OF MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA FOR IMPLEMENTATION OF WORLD BANK ASSISTED PROJECTS IN TECHNICAL EDUCATION)

18th June 2019

#### CERTIFICATE OF SANCTION

This is to certify that a Research Proposal entitled, "Experimental Investigation on a Novel Designed Phase Change Material based Solar Still" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Mr. ANKIT KUMAR	Principal Investigator	MMM University of Technology, Gorakhpur
2	Dr. LAXMIKANT YADAV	Co-Principal Investigator	MMMUT, Gorakhpur
3	Dr. MANISH K RATHOD	Co-Principal Investigator	SVNIT, SURAT
4	Md. SAIFULLAH KHALID	Co-Principal Investigator	MMM University of Technology Gorakhpur

A grant of ₹1048000 (Rupees Ten Lakhs Forty Eight Thousand and Paise Zero Only) has been sanctioned for the project, as per following details:

S.No.	Expendi	ture Head	Sanctioned Amount (₹)
1	Non-recu	ırring	908000
2	Recurrin	g	
	(i)	Domestic Travel	45000
	(ii)	Contingencies	58333
	(iii)	Consumables	36667
	(iv)	Miscellaneous	0
		Total	1048000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

**Prof. (Dr.) P M Khodke** Central Project Advisor





9-174 \_/RIFD/MODROB/Policy-1/2017-18

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India) Nelson Mandela Marg, Vasant Kunj. New Delhi-110070 Website: www.aicte-india.org

MODROBS - Sanction Letter

TO

4 January 2019

The Drawing and Disbursing Officer, All India Council for Technical Education Nelson Mandela Marg.

Sub: Release of a sum of Rs. Eight Lakh Six Thousand/- being the Grant-in-Aid under Modernization and Removal of Obsolescence Scheme (MODROB) for the year 2017-18 payable during the current financial year 2018-19-reg

This is to convey the sanction of the Council for payment of Rs. 806000/-(Rupees Eight Lakh Six Thousand Only) as1st installment / final payment out of the total approved grant-in-aid of Rs. 806000 for completion of MODROB on Modernization of Database System Labia MADAN ROLLAN SEAL AND A LINE COUNTY OF TRUNKING CONCORDANDING BIRD NO. 272010 LINE Sir. Database System Labin MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY GORAKHPUR Pin No - 273010 Uttar

- Pradesh, under the Scheme Modernization and Removal of Obsolescence Scheme (MODROB). The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the Institute through RTGS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already
- The sanctioned amount is debitable to the Major Head 601.4(a) Gen. of the Scheme of Modernization and Removal of Obsolescence Scheme (MODROB) and is valid for payment during the financial year 2018-19. 3.

# The instructions/quidelines to be followed by University/Institution

# Release of funds and maintenance of accounts

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

	Bank Name	Bank Branch	Bank Branch Address	Account Holder	Account Type	Account Number	Code
Institute	Datin Home	Name	Address	Name		10004	SBINO
PAN No.			MMM University	The Principal	Saving	33542824 744	02578
AAAGM0 070R	STATE BANK OF INDIA	State Bank of India MMMUT	of Technology Deoria Road Gorakhpur Uttar Pradesh 273010		Account		

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

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F. I 17 URIFD/MODROB/Policy-1/2017-18 dated issued by this office. All correspondences related to project must contain this number along with year of sanction of the project; failing which correspondence will not
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall utilized only on approved items of expenditure. (list enclosed).

1-3571427769

S.V.NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM (TEQIP) PHASE-III

No.: TEQIP-III/Micro Research Project/33

25/7/2019

#### CIRCULAR

Sub: Approval of Micro Research Projects under Twining Activity with MMMUT, Gorakhpur.

It is pleasure to inform you that under Twining Activity with MMMUT, Gorakhpur, Micro Research Projects of the Institute are approved as per list attached. The coordinators may please be informed to initiate the process. The details and conditions of these projects are also attached herewith.

Dr. J.E.M.Macwan
TEQIP Coordinator.

(1) Copy with complements to. (1) Director (2) Dean R & C

(2) Copy with complements to all Heads to pass on the information to all coordinators concern

(3) Copy to Dr. Govind Pandey ,MMMUT By mail.

(4) Copy to Dr. Survesh chandra, TEQIP Mentor- By email.

peof Krew

9628



(पूर्ववर्ती मदन मोहन मालवीय इंजीनियरिंग कालेज, गोरखपुर) उ0 प्र0 सरकार के अधिनियम संख्या 22/2013 द्वारा स्थापित

# Madan Mohan Malaviya University of Technology Gorakhpur - 273010 (U.P.) India

(Formerly: Madan Mohan Malaviya Engineering College, Gorakhpur) Established by Act no. 22 of 2013 of U.P. Govt.

प्रो0 डी0 के0 हिवेदी अधिष्ठाता परास्नातक अध्ययन एवं शोध व विकास

Prof. D. K. Dwivedi Dean Post Graduate Studies and Research & Development

Letter No./MUT/Dean.PGSandR&D/RIG/ 975 /2018

Dated: 20.12.2018

Dr. Abhishek Kumar Gupta, Assistant Professor Department of Applied Science, Madan Mohan Malaviya University of Technology, Gorakhpur

Subject: Regarding your Research Initiation Grant project entitled "Development of ion Conducting Solid Electrolytes for Energy Storage Supercapacitor Application"

This is with reference to above mentioned research grant submitted to Dean Post Graduate Dear. Studies and Research & Development, MMMUT, Gorakhpur. It is to inform you that above research project has been sanctioned by the competent authority for financial support of Rs. 2,00,000.00 (two lacs only) under the following heads for the period of two years.

Summary of Grant Released (for two years):

O(1)	Summary of Grant Released (101 two years).	20,000.00
Travel		30,000.00
Contingency		50,000.00
Consumables	1: - AC Computer and Printer)	1,00,000.00
Equipment, softwa	are etc (excluding AC, Computer and Printer)  Total (for two years)	2,00,000.00

The Principal Investigator will have to ensure:-

> That the work carried out under the projects ris original and not duplication if so found university reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.

> Publication must include the acknowledgement to RIG MMMUT, Gorakhpur & two copies of each publication in university listed journals should be submitted to Dean Post Graduate Studies and Research & Development, MMMUT, Gorakhpur along with utilization certificate on

the completion of project Kindly acknowledge the receipt of this sanction letter and adhere to conditions mentioned above.

Yours faithfully

Suswede.

Dated: 20.12.2018

(Prof. D. K. Dwivedi)

Letter No./MUT/Dean.PGSandR&D/RIG/

Copy: forwarded for information and necessary action to:-

1. PA to Vice Chancellor, for kind information to Hon'ble Vice Chancellor Sir.

2. Registrar

3. Controller of Finance

4. Head of Department, AS

Coordinator TEQIP

Council of Science & Technology, U.P.

(Department of Science & Technology, Govt. of U.P.)
Vigyan Bhawan, 9 Nabiullah Road, Suraj Kund Park, Lucknow-226 018, Uttar Pradesh
Phone: 0522-2202446, 2611773 Fax: 0522-2611793



Number: CST/D-2491

Date 29-11-2019

To

Dr. Rajesh Verma Associate Professor Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Deoria Road, Gorakhpur-273010

Subject:- Regarding your research project entitled "Machining of nano carbon material reinforced polymer composites Parametric appraisal and Multi-objective Optimization".

Dear Sir.

This is with reference to above mentioned research project submitted to the council for financial assistance. It is to inform you that above research project has been sanctioned by the council with financial support of Rs 11,32,000/- under the following heads for the period of three years.

			3	~
	1st Year	2nd Year	3rd Year	Total
(SRA/RA)*Rs.22000			1041	Total
PM for three years	264000.00	264000.00	264000.00	792000.00
Prototype Development	50,000.00	50,000.00	00.00	100000.00
Contingencies including			.00.00	100000.00
Consumable and travel	80000.00	80000.00	80000.00	240000.00
Total	394000.00	394000.00	344000.00	1132000.00

The necessary action may kindly be taken for the appointment of research staff sanctioned in the above project strictly following the guidelines given in the booklet "General Information and Guidelines for Award of Research Assistantship & Grant-in-aid Regulations-1988", a copy of which is enclosed along with list of required documents of Research Staff to be appointed in your fesearch scheme (ANNEXURE A). The duration of the project will be counted from the date of joining of the staff under the project as date of commencement of the project. The appointment of research staff approved in the project will be sent to CST UP along with recommendation of selection committee. The age and educational qualification should be strictly as per Grant-in-aid Regulations-1988. You are requested to send appointment documents as per Annexure A attached along with letter. Kindly expedite the appointment process so that the work proposed in the project may be started at the earliest and the grant of 1st year of the project may be released accordingly by the Council

The Principal Investigator will have to ensure:-

मदन मोहन मालवीय प्रौद्योगिकी विश्वविद्यालय. गोरखपुर—273010 (उ०प्र०)

13 DEC 2019

कुलपति सचिवालय डायरी लंख्या 694

Dear De

**3000** 

#### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

#### **RPS - Sanction Letter**

File No. 8-104/FDC/RPS (POLICY-1) /2019-20

The Drawing and Disbursing Officer All India Council for Technical Education Nelson Mandela Marg, Vasant Kunj, New Delhi-110070,

Release of a sum of Rs.2163137/- being the 1st installment of the total grant of Rs.2196078/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2020-21. Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs.2163137/- (Rupees Twenty One Lakh Sixty Three Thousand One Hundred Thirty Seven Only) as 1st installment out of a total approved grant-in-aid of Rs.2196078/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

1.	Name and address of the Beneficiary Institution (University / College / Institution)	:	Registrar / Director / Principal, Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010
11.	Principal Investigator's Name & Dept./Course	:	Dr. Sanjay Mishra (Mechanical Engineering)
111.	Grant-in-aid Sanctioned	:	Rs.2196078 /- (Rs. 1866666/- for non-recurring and Rs.329412 /- for recurring expenditure)
IV.	Amount to be Released during the year 2019-20 (as 1st installment)		Rs. 2163137 /- (Rs. 1866666/_ Full amount of non-recurring & Rs. 296471/- 90 % of recurring sanctioned)
V.	Project Duration	:	3, Years
VI.	Title of the Project	:	An integrated approach for the sustainable electro thermal machining of aerospace composites

#### I. Release of funds:

- 1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010 through RTGS/PMFS.
- 2. The sanctioned grant-in-aid is debitable to the Major Head "601.12.a (RPS Plan)" Gen. and is valid for payment during the financial year 2020-21.
- 3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
- 4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

#### II. Maintenance of account by the Institute/PI:

- 1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- 2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
- 3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Director (Faculty Development Cell), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Date: 14 Aug 2020





No. K-12012/4/3/2021-22/R&D/ST
Government of India
Ministry of Textiles
Office of the Development Commissioner (Handicrafts)

West Block No.7, R.K.Puram, New Delhi-110066 Dated: 15.06.2021

To

The Pay & Accounts Officer Central Pay & Accounts Office Office of the Development Commissioner (Handicrafts) R.K. Puram, New Delhi 110066

Subject: Grant-In aid to M/s Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, Uttar Pradesh for conducting a Study on 'Application of discarded carpets for the development of structural polymer composites modified by nanomaterial' under Research & Development Scheme — Reg.

Sk,

In exercise of the power delegated to the Development Commissioner (Handicrafts) as Head of Department, vide Office of the DC (H) O.M. No. G-20013/42/DC [HC]/BGT/2004

DR. Pajed Value dated 08.05.2015 and in terms of Ministry of Textiles (Integrated Finance Wing) order No. G-20013/42/DC[HC]/BGT/2004 dated 05.05.2015 & 07.05.2015, I am directed to convey the sanction of the President of India for an amount of Rs. 14,60,000/- (Rupees Fourteen Dean PGS & R) Lakins and Sixty Thousand Only), as Non-Recurring Grant - In - Ald and releasing of the first installment of Rs. 7,30,000/- (Rupees Seven Lakins and Thirty Thousand Only) as advance (being 50% of the sanctioned amount) in favour of M/s Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur - Uttar Pradesh, for conducting a Study on 'Application of discarded carpets for the development of structural polymer composites modified by nanomaterial' under Research & Development Scheme during the year 2021-22.

Anancial parameters for conducting the above-mentioned project (for a duration of 12 months) are as under:

कुलपति

S. No	Components	Amount sanctioned	50% Funds to be released
1.	Project Leader @40,000/- p.m. (For 1 person)	4,80,000/-	2,40,000/-
	Senior Research Expert @25,000/- p.m. (For 2 persons)	6,00,000/-	3,00,000/-
	Junior Research Fellow @15,000/- p.m. (For 1 person)	1,80,000/-	90,000/-
4.	Documentation & Videography	42,000/-	21,000/-
5,	T.A./D.A@5,000/- p.m.	60,000/-	30,000/-

35/6/21

PRINCIPAL INVESTIGATOR

Recha

भुलपति सचिद्यालय 25 JUN 2021 डायरी संख्या...2991 Dean PRD COF Registor

No. K-12012/4/19/2020-21/R&D/ST Government of India

27 AUG 2020

Ministry of Textiles Office of the Development Commissioner (Handicrafts)

West Block No.7, R. K. Puram,

New Delhi-110066 Dated: 27.08.2020

To

The Pay & Accounts Officer Central Pay & Accounts Office

CBIN0282169

CBINH20260655911

Office of the Development Commissioner (Handicrans 18/11 C151 Nr. (MMMUT), Gorakhpur, U.P. for solid ucting study on "Utilization of recycled waste carpet for development of structural composites material" under Research & Development Scheme- reg.

Sir,

In exercise of the power delegated to the Development Commissioner (Handicrafts) as Head of Department vide Office of the DC (H) O.M. No. G-20013/42/DC[HC]/8GT/2004 dated 08.05.2015 and in terms of Ministry of Textiles (Integrated Finance Wing) order No. G20013/42/DC[HC]/BGT/2004 dated 05:05:2015 & 07:05:2015, I am directed to convey the sanction of the President of India for sanctioning an amount of Rs. 13,53,000/- (Rupees Thirteen Lakhs Fifty Three Thousand Only) as Non-Recurring grant - in - aid & releasing the first instalment of Rs. 6,76,500/- (Rupees Six Lakhs Seventy Six Thousand and Five Hundred Only) in advance being 50% of the Sanctioned amount to M/s Madan Mohan Malaviya University of Technology (MMMUT), Gorakhpur, U.P. for conducting study on "Utilization of recycled waste carpet for development of structural composites material" under R & D Scheme. The Financial Implications for conducting the above event are as under:-

SI. No.	Components	Amount	50% Funds to be released
VVen 2	Project Leader	NIL	NIL
	Senior Research Expert @25,000/- p.m. person (For 2 persons)		3,00,000/-
07/2008 21 E 4 5	Junior Research Fellow@15,000/- p.m. person (For 2 persons)	per3,60,000/-	1,80,000/-
4	Investigator [Graduate] -	NIL	
5	Computer Operator	NIL	NIL
6	Documentation & Videography		NIL
29-		90,000/-	45,000/-
1	T.A./D.A. @15,000/- p.m:	1,80,000/-	90,000/-
To HM	कुलसांचव	mere 7	प्रियोगिक विश्वविद्यालय १९०१ (उठ प्रठा १९यम्बिय ।दनादः ०। १९-२

(SPSC)

No. 26(6)/2019-ESDA
Government of India
Ministry of Electronics and Information Technology
R&D in Electronics Group
(Electronics Systems Development and Application Division)

Dated: 03rd February, 2020

#### ADMINISTRATIVE APPROVAL

Subject: Project on "Development of IoT and Drone based Agriculture Monitoring System, with Objective of Skill Development of Socially Deprived Community by Madan Mohan Malviya University of Technology (MMMUT), Gorakhpur (Nodal Agency) with Participating Institutes: Regional Engineering College-Bijnor, Regional Engineering College-Banda and Regional Engineering College-Ambedkar Nagar.

I am directed to convey the Administrative Approval of the Competent Authority to the implementation of the project "Development of IoT and Drone based Agriculture Monitoring System with Objective of Skill Development of Socially Deprived Community by MMMUT, Gorakhpur (Nodal Agency) with Participating Institutes: REC- Bijnor, REC- Banda and REC- Ambedkar Nagar at the total estimated cost of Rs. 289.50 Lakh (Rupees Two Hundred Eighty Nine Lakh and Fifty Thousand only) over a period of 24 months. The details of the project are given in the Annexure enclosed.

2. This issues with the approval of Secretary, Ministry of Electronics and Information Technology vide Dairy No.347 dated 31.01.2020 and concurrence of AS&FA, MeitY vide Dairy No. 4009 dated 28.01.2020.

( K. Bhanu Hariharan) Deputy Director

#### Copy to:

- The Director, office of the Director General of Audit, Post & Telecommunication, Civil Lines, Near old Secretariat, Shamnath Marg, Delhi-110054
- 2. Pay & Accounts Officer, MeitY
- 3. D&D Section, MeitY (2 Copies)
- 4. Prof. Sanjay Kumar Soni, Professor, Electronics and Comm.Engg., MMMUT, Gorakhpur (UP)
- 5. Dr. S. P. Singh, Associate Professor, Electrical Engineering, REC-Ambedkar Nagar (UP)
- 6. Dr. Anurag Chauhan, Assistant Professor, Electrical Engineering, REC-Banda (UP)
- 7. Dr. Navneet Kumar, Assistant Professor, Electrical Engineering, REC-Bijnor (UP)
- 8. GC(R&DE/SD(TS)/DD(KBH)/Scientist 'C' (OK), MeitY
- 9. Sanction Folder.



#### FILE NO. SRG/2020/000722 SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

02/11

(A statutory body of the Department of Science & Technology, Government of India)

5 & 5A, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 09-Nov-2020

ORDER
Subject: Financial Sanction of the research project titled "Application of thermo-power plant bagasse-based waste carbon as an efficient electro-catalyst for electrochemical oxidation process" under the guidance of Dr. Prateek Prateek khare, Chemical Engineering, Madan Mohan Malavíya University of Technology, Deoria road, gorakhpur, Gorakhpur, Uttar pradesh-273001 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3012000/- (Rs. Thirty Lakh Twelve Thousand Only) with break-up of Rs. 1437190/-under Capital (Non-recurring) head and Rs.1574810/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 3012000/- has been approved are given

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Electrochemical impendence spectroscopy -> Peristaltic pump -> TOC and TSS analyzer -> High temperature Furnace with temperature control, circular equipped with flow meter	1437190
A'	Total (Non-Recurring)	1437190
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	651000 650000 0
2	Recurring - IV : (Overhead Charges)	273810
B'	Total (Recurring)	1574810
С	Total cost of the project (A'+B')	3012000

- 2. Sanction of the SERB is also accorded to the payment of Rs. 1437190/- (Rupees Fourteen Lakh Thirty Seven 2. Salicition the salic accorded to the payment of Rs. 183190, (tubes Fourteen Lakit Fifty Seven Thousand One Hundred and Ninety only) under 'Grants for creation of capital assets' and Rs. 787400/- (Rupees Seven Lakh Eighty Seven Thousand Four Hundred only) under 'Grants-in-aid General' to Vice Chancellor, Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhpur being the first installment of the grant for the year 2020-2021 for implementation of the said research project.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)
   This release is being made under Start-up Research Grant. (EC Engineering Sciences)
- 4. The Sanction has been issued to Madan Mohan Malaviya University Of Technology, Deoria Road, Gorakhr ur with the approval of the competent authority under delegated powers on 23 October, 2020 and vide Diary No. SERB/F/4362/2020-2021 dated 26 October, 2020
- 5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- 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.
- 7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1 lal-h each should be spent for travel and contingency.
- 8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activites enlisted under SSR norms and under no circumstances it can be reappropriated.
- 9. 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.
- 10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.



#### FILE NO. TAR/2020/000351 SCIENCE & ENGINEERING RESEARCH BOARD(SERB) (A statutory body of the Department of Science & Technology, government of India)

5 & SA, Lower Ground Floor Vasant Square Mall Plot No. A, Community Centre Sector-B, Pocket-5, Vasant Kunj New Delhi-110070

Dated: 15-Dec-2020

ORDER
Subject: Financial Sanction under Teachets Associateship for Research Excellence (TARE) to Dr. Krishna Rumar, Madan Mohan Malaviya University Of Technology , Deoria Road, Gorakhpur, Gerakhpur, Uttar Pradesh-273001- under the mentorship of Prof. Tushar Janz, at University of Hyderabad P.G. Central University Campus, Hyderabad - 500045- Release of 1st grant

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of Rs. 18,30,006/- (As. Rupees Eighteen Lakh Thirty Thousand only Only) for a duration of 36 months. The date of start of the project will be 17 December, 2020. The items of expenditure for which the total allocation of Rs. 18,30,000/- has been approved are given below.

The following budget is proposed for Madan Mohan Malaviya University Of Technology , Deoria Road, Gorakhpur, Gorakhpur, Ultar Pradosh 273001 (Parost)

SL No.	Budget Head	Amount
1	Fellowship	Rs. 0 (@0/- per month (consolidated))
2	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

#### o Hyderabad P.O. Central University Campus, Hyderabad - 500045 (Host)

SI. No.	Budget Head	Amount
1.	Fellowship	Rs 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3	Overheads	Rs. 25,000/- per annum

- 2 Sanction of the SERS is also accorded to the payment of Rs. 2,75,000/- (Rupers Two Lakh Seventy Five Thousand only) to Madan Mahau Mahau Mahau University Of Technology Deoria Road, Gorakhpur, Rs. 3,35,000/- (Rupers Three Lakh Thirty Five Thousand only) to University of Hydershad PO. Central University Campus, Hydershad 500046 being the first installment of the grant for the year 2020-2021 for implementation of the said research project
- The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER) This release is being made under Teachers Associateship For Research Excellence (TARE), (Organic Chemistry)

- 4. The Sanction has been issued to with the approval of the competent authority vide Diary No. SERB/F/5596/2020-2021 dated 14 December, 2020
- a. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website
- 6 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.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so
- 8. The release amount of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of MTGS transaction as per their Bank details given below

Madan Mohan Malaviya University of Technology , Deoria road, gorakhpur, Gorakhpur, Uttar pradesh-273001 (Parent)

PFMS Unique Code	UPGB00001580
Account Name	MMM UMIVERSITY OF TECHNOLOGY, GKP
Account Number	33542824744
Bank Name & Branch	STATE BANK OF INDIA SBI, MMM ENGINEERING COLLEGE, Gorakhpur, U.P., PINCODE - 273008
IFSC/RTGS Code	SEIN0002578
Email address of Pf	negrajrab@omail.com
Email id of A/C Holder	cof@mmput ac in
Email address of concerned offices	ms_taro@serbonline.in



## Council of Science & Technology, UP,

9, Nabiullah Road, Suraj Kund Park, Lucknow-226 018

Phone No: 0522-2611773, 2202446, Fax-0522-2611793

No: CST/D- 2286

Date: 2. -. 3:2021

To,

Prof. D. K. Dwivedi.

Department of Physics & Material Science.

M.M.M. University of Technology.

Gorakhpur - 273 016

Sub: Sanction letter for the research project entitled "Development and characterization of selenium-based chalcogenide glasses for phase change memory (PCM) devices".

Dear Dr. Dwivedi,

This is with reference to above mentioned research project submitted to the Council for financial assistance, I am happy to convey that the project has been sanctioned by the Council with financial support of Rs. 11.44 lakh under the following heads for the period of 03 years :-

Rs. in Lakh

S.N.	Head	Ist Year	IInd Year	IIIrd Year	Total	
1.	JRA @ Rs. 20,000/- pm for first 02 years & Rs. 22,000/- pm for 3rd year	2.40	2.40	2.64	7.44	
2.	Contingency	1.50	1.50	1.00	4.00	
	Total (Rs.)	3.90	3.90	3.64	11.44	

In continuation to the above, necessary action may kindly be taken for the appointment of research staff sanctioned in the above project, strictly following the guidelines given in the booklet, "General Information and Guidelines for Award of Research Assistantship & Grant-in-aid Regulations 1988" a copy of which is enclosed herewith and also available on Council's website. The recommendation of the selection committee regarding selection of Junior Research Assistant in the project with the academic details, experience and age etc. (Annexure-1) are required to be furnished to the council for the approval within 03 months. After approval from the Council for the appointment of research staff, the sanctioned/released grant shall be utilized for the proposed research work. The duration of the project will be counted from the date of joining of the Research Assistant in the project.