



CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Criteria 3

Research, Innovations and Extension

Metric 3.2.3	Number of research projects per teacher funded by government and non-government agencies during the last five years
3.2.3.1	Number of research projects funded by government and nongovernment agencies during the last five years

Supporting Documents

1	E-copies of the grant award letters for research projects sponsored by government and non-government agencies (Year : 2017-18)
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Faculty of Technology & Engineering

3.1.3-2017
-18



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

D K Dalal
Programme Officer (PFRC)

BRNS Secretariat, 1st Floor,
CC, BARC, Trombay,
Mumbai-400085 Phone:
+91-2225594683
Email: dkdalal@barc.gov.in

No: 39/14/07/2017-BRNS/34304

Date: 10/08/2017

OFFICE MEMORANDUM

Sub: R/P entitled "Design & Development of CDL for 42GHz/200kW/3sec Gyrotron for start-up studies in tokamak ADITYA" under Dr. Maulik Vallabhdas Shah, Assistant Professor, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421. bearing sanction 39/14/07/2017-BRNS with PFRC, BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for 1 year beginning from financial year 2017-2018 with a total grant of Rs. 14,65,650/- (Rupees fourteen lakh sixty five thousand six hundred fifty only) for the project as under :

Item of expenditure	Year 1 (2017-2018)
Equipments	125000
Staff Salary - SRF (1)	336000
Technical Assistance	600000
Consumables	50000
Travel - PI	100000
Travel - PC/DC	20000
Contingencies	50000
Overheads	92325
Total(INR)	1373325

Note: * HP Workstation

Date of Termination: 31/03/2018

SRF salary calculated @28,000/- p.m.

Please note that as per the government orders under **Direct Benefit Transfer (DBT)** scheme, the staff salary has to be transferred to his/her bank account. Accordingly, Aadhar Number(UID) of the appointed staff, Bank Account details and the Mobile number linked to the bank account should be obtained and it should be intimated to this office.

Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads (Rs. 92,325/-) shall be released only on meeting the requirements specified (See Annex-B).

- I am also pleased to convey the sanction of the President of India to incur an expenditure of Rs. 13,73,325/- (Rupees thirteen lakh seventy three thousand three hundred twenty five only) towards grant for the year 2017-2018.
- The expenditure involved is debitable to: 04 3401 00 004 27 0231.
- This issues with the concurrence of Scientific Secretary, BRNS and IFA.

Pay & Accounts Officer, DAE, Mumbai - 400 001.

D K Dalal

Copy forwarded to:

1. Director of Audit, Scientific Department, AEAP, OYC, CSM Marg, Mumbai-400 001.
2. Joint Secretary (R&D), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001.
3. Chief Executive Scientist, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421.
4. Principal Investigator(PI): Dr. Maulik Vallabhdas Shah, Assistant Professor, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421.

A. First year grant is being released in full along with this Sanction Letter through Pay & Accounts Officer, Department of Atomic Energy, Anushakti Bhavan, CSM Marg, Mumbai-400 001 directly. You may await a Money transfer (MT) through ECS and The amount would be credited electronically to A/C No: 30875081005, A/C Name: CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, IFSC: SBIN0010961, State Bank of India, Changa.

- i) Acceptance of this sanction and the MT for the amount sanctioned for the first financial year may please be acknowledged (Form-I).
- ii) A sticker of the BRNS LOGO (Copy Enclosed) should be pasted on all the items procured under the project.
- iii) THIS SANCTION IS FURTHER SUBJECT TO THE CONDITIONS STIPULATED IN ANNEX (ENCLOSED), WHICH MAY BE GONE THROUGH CAREFULLY.

B. Second year Sanction Letter will be issued automatically in the month of April/May of the 2nd financial year, however, the grant will be released (unspent balance of previous year and Interest earned will be adjusted) after the PI submits the following documents to the Programme Officer PFRC:

- a) Claim in Form-II quoting the reference of the sanction issued for the first year.
- b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.
- c) Statement of Accounts (SA) as on 31st March of the preceding financial year should be updated on the website. Interest earned in previous year should be reflected in the Statement of Accounts. A printout of the same should be sent to BRNS after it is duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.
- d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee, should be uploaded in a single pdf file under the file head "Staff Appointment Details". In addition, the details of the appointed staff should also be updated in the available menu.
- e) The inventory of equipment also should be updated in the menu, besides uploading the purchase order of the items costing more than 1 Lakh.
- f) A One Page report on the progress of work during first year.

C. Third and subsequent years (if any) the Sanction Letter and the grant will be released on fulfillment of the following requirements:

- i) Renewal/ Extension Application: Principal Investigator (PI) is required to upload by January 15 a pdf copy of duly signed renewal/ extension application in the prescribed form-(PRA) after logging into his/her account at <https://brns.res.in>. All applications received shall be examined by experts from the field and PIs may be invited to a Technical Programme Discussion Meeting (TPDM). Renewal of the project will be based on the recommendations of the TPDM, Advisory Committee and the Board.
- ii) Sanction Letter: If the progress is found to be satisfactory the renewal sanction for the year will be issued in the beginning of that financial year in April/May.
- iii) Claim: On receipt of the renewal sanction, the PI shall claim the funds sanctioned by submitting the following documents to Programme Officer PFRC, BRNS Secretariat, First Floor, Central Complex, BARC, Trombay, Mumbai-400 085:
 - a) Claim in Form-II quoting reference of the renewal sanction.
 - b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant, should be reflected in the Statement of Accounts.
 - c) Statement of Accounts (SA) as on 31st March of the preceding financial year including the amount of Interest earned in previous year and duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

- d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee.
- e) An inventory of equipment and the copy of Purchase order of equipments costing more than 1 Lakh.
- D. At the end of Terminal Year the Settlement Grant and the Balance 7.5% Overheads will be released on fulfillment of the following requirements:
- a) Claim Form-II if any,
 - b) The final Consolidated Statement of Accounts (SA) and Consolidated Utilization Certificate duly audited by an external Chartered Accountant or the Statutory (Govt.) Auditor. It is mandatory to include the amount of bank interest earned on the grant released into the SA.
 - c) Final Consolidated Progress Report and a brief report as per format given in Form-VII .
5. AAO (Cheque), DAE, Anushakti Bhavan, CSM Marg, Mumbai - 400 001 – With a request that the amount granted for the first year of the project may be released.
 6. Member Secretary (PFRC) : Dr. Ravi A. V. Kumar, ravi@ipr.res.in; Ph:+91-9825366039
 7. Co-Investigator (CI) : Mr. Axat Vijaybhai Patel, Assistant Professor, CHARUSAT Space Research and Technology Center, CHARUSAT University Changa, Gujarat 388421, Email : axatpatel.me@charusat.ac.in,
 8. Project Collaborator (PC): Dr. K. Sathyanarayana, IPR Bhat,Gandhinagar- 382428, Email : sathya@ipr.res.in, PC-2- Dr.Paritosh Chaudhari, Head, TBM Engineering Section, TBM Division, IPR Bhat, Gandhinagar - 382 428, Gujarat,Email : paritosh@ipr.res.

You or your nominee may please be the DAE representative for selection of Research Fellow/ Research Associate for the project.

D K Dalal

Note:

1. Please quote the Sanction Number 39/14/07/2017-BRNS in all your correspondence with BRNS



3.1.3
2017-18

Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Shri D. K. Dalal
Programme Officer (PFRC)

BRNS Secretariat, 1st Floor, CC,
BARC, Trombay, Mumbai-400085
Phone: 25594683
E-mail: dkdalal@barc.gov.in
Date: 25/01/2018

No. 39/14/07/2017-BRNS/34533

OFFICE MEMORANDUM

Sub: R/P entitled "Design & Development of CDL for 42GHz/200kW/3sec Gyrotron for start-up studies in tokamak ADITYA" under Dr. Maulik Vallabhdas Shah, Assistant Professor, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421. bearing sanction 39/14/07/2017-BRNS with PFRC, BRNS..

In continuation of this Department's Office Memorandum of number 39/14/07/2017-BRNS-34304 dated 10/08/2017, on the recommendations of Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval of the President of India to incur an additional expenditure of Rs. 1,89,200/- (Rupees one lakh eighty nine thousand two hundred only) towards equipment as detailed below:-

Item of expenditure	Amount
Equipment*	1,76,000
Overheads	13,200
Total	1,89,200

* (i) to offset cost increase due to GST

2. With this the total amount sanctioned under equipment for the year 2017-18 will be **₹3,01,000/- (Rupees three lakh one thousand only)**
3. The remaining overheads (₹13,200/-) shall be released only on meeting the requirements specified. (in annex B of terms & conditions)
4. The expenditure involved is debitable to: 04 3401 00 004 27 02 31
5. This issues with the concurrence Scientific Secretary, BRNS and IFA.

Sd/-

(D. K. Dalal)

Pay & Accounts Officer, DAE, Mumbai 400001.

Copy to:

1. Director of Audit, Scientific Department, AEAP, OYC, CSM Marg, Mumbai-400 001.
2. Joint Secretary (R&D), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001.
3. Chief Executive Scientist, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421.
4. Principal Investigator (PI): Dr. Maulik Vallabhdas Shah, Assistant Professor, Charotar University of Science & Technology, Charusat Campus, Anand, Gujarat 388421.
5. AAO (Cheque), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001
6. Member Secretary (PFRC) : Dr. Ravi A. V. Kumar, ravi@ipr.res.in; Ph: +91-9825366039
7. Co-Investigator (CI) : Mr. Axat Vijaybhai Patel, Assistant Professor, CHARUSAT Space Research and Technology Center, CHARUSAT University Changa, Gujarat 388421, Email : axatpatel.me@charusat.ac.in,
8. Project Collaborator (PC): Dr. K. Sathyanarayana, IPR Bhat, Gandhinagar- 382428, Email : sathya@ipr.res.in,
9. PC-2- Dr. Paritosh Chaudhari, Head, TBM Engineering Section, TBM Division, IPR Bhat, Gandhinagar - 382 428, Gujarat, Email : paritosh@ipr.res.

(D. K. Dalal)

Note:

1. Please quote the Sanction Number 39/14/07/2017-BRNS in all your correspondence with BRNS.

Donation Receipt

No : D/CSAT/13-09/0004

Date : 5th September 2013

Received With thanks from **SHRI RAJENDRABHAI BAPUBHAI PATEL, (BANDHANI / AHMEDABAD)**a sum of ` **2500000** (Rupees Twenty Five Lakh Only) vide

cheque No . 013389 drawn on K.D.C.C.BANK , ANAND dated 03 September 2013,

towards

Trust Fund For **"ENDO. FUND [DEPARTMENT OF MECH. ENGG]"**

- * Subject to Realisation
- * All the Donations are exempt from Income Tax under section 80 G(5).
- * Vide No# BRD/CIT-I/Tech/80G/(83/114)/2009-10 Dated: 07/01/2010

PAN No. : AABTC1178Q


ACCOUNTANTName : **PATEL RAJENDRABHAI BAPUBHAI**

	<u>Local Address</u>
House/Street/Area	:201 CHITRAGUPT APPARTMENT 2ND FLOOR,BH.ISHKON PLAZA OPP.RUSHIN TOWER,SETELIGHT ROAD
City	:AHMEDABAD - 380001
State	:GUJARAT
Country	:INDIA
Phone	:079-255416214
Mobile	:
Fax	:
Email	:RAJENDRA@ROL.COM
PAN No	:

<u>Foreign Address</u>
1432 HEARTSID DR CHAMBERSBURG
- PA 17201
U.S.A.
717-263-7820

Account Ledger

For period from 01/04/2017 To 31/03/2018

Vou. Date Vou. No	Type	Description	Debit Amount	Credit Amount
		ENDOW. FUND F. D. [DEPARTMENT OF MECH. ENGG]	Opening Balance	3,299,911.00
31/03/2018	J.V./JV	CHAIR F.D INTEREST INCOME -ME [CSAT] ENDOW.FUND F.D.(DEPARTMENT OF MECHENICAL ENGG.) TDR NO.311803030449570 INTEREST ACCRUED BY BANK ON 31/03/2018 AND TDS DEDUCT BY BANK ON 31/03/2018 IS 00.AS PER BANK NOTE INTERES IS 2,45,827.00RS. AND TDS DEDUT BY BANK IS 00/-RS. NET CREDIT IS 2,45,827.00/-RS	245,827.00	
		Transaction Total	245,827.00	
		Opening + Transaction Total	3,545,738.00	
		Closing Balance		3,545,738.00



Mrudang Pandya <mrudangpandya.it@charusat.ac.in>

Fwd: NVIDIA GPU Grant Approved - {INDIA} Amit ThakkarParth Shah <parthshah.ce@charusat.ac.in>
To: IT <it@charusat.ac.in>

Thu, Feb 8, 2018 at 9:53 AM

----- Forwarded message -----

From: **Amit Thakkar** <amithakkar.it@charusat.ac.in>
Date: Thu, Feb 8, 2018 at 9:34 AM
Subject: Fwd: NVIDIA GPU Grant Approved - {INDIA} Amit Thakkar
To: Parth Shah <parthshah.ce@charusat.ac.in>

----- Forwarded message -----

From: "NVIDIA GPU Grant Program" <no-reply@webportalapp.com>
Date: 08-Feb-2018 2:12 AM
Subject: NVIDIA GPU Grant Approved - {INDIA} Amit Thakkar
To: <amithakkar.it@charusat.ac.in>
Cc: <NVIDIAGPUGrant@nvidia.com>, <gmahabala@nvidia.com>

Hi Amit,

We have reviewed your NVIDIA GPU Grant Request and we are happy support your work with the donation of (1) **Titan Xp** and (1) **Jetson TX2** to support your research. Ganesh, cc'd, will ship to the address listed in the form below and you can expect to receive within a couple weeks. Please respond within 48 hours if you are unable to house the GPU, unable to clear customs or the address, email or phone number you have provided is incorrect. If you are unable to house the GPU or the shipment is unable to be delivered we will not be able to re-ship.

We ship donated GPUs with a commercial invoice per shipping regulations. The price listed on this commercial invoice is the donation value not the price you would purchase online or from a vendor at MSRP price. Our vendors decide their MSRP pricing. We also ship so we pay all fees if the country will allow it.

Please ensure that the GPU is powered properly as per the information found here: <https://developer.nvidia.com/hw-grant-supplemental-info>.

If this hardware donation results in any publications or reports, we kindly ask that you acknowledge "NVIDIA Corporation". This is one way we track and justify our programs and adding "NVIDIA Corporation" to your acknowledgement will help us more easily track. We trust your judgment in how you acknowledge NVIDIA Corporation, however here are a couple samples: "The Titan Xp used for this research was donated by the NVIDIA Corporation." or "We gratefully acknowledge the support of NVIDIA Corporation with the donation of the Titan Xp GPU used for this research." You are also encouraged to acknowledge NVIDIA Corporation in any contacts with the news media or in general articles.

This equipment donation will come as an unrestricted gift to support your research, however it is not for resale. As part of the GPU Grant Program, you will receive occasional newsletters and requests to complete surveys. While you are free to opt out of the newsletter at any time, we ask that you complete the infrequent surveys. These are important for tracking and justifying our academic programs, and cover topics such as updates on your GPU related courses, publications and research progress.

All the best,

Academic Programs Team

NVIDIA GRAD Fellow Program is now accepting applications.

First Name **Amit**
Last Name **Thakkar**
Title **Associate Professor**
University/Institution **Chandubhai S Patel Institute of Technology**
Shipping Street
Address (preferably a University Address) 1 **CHARUSAT Campus Changa**

[illegible]

[Signature]
Authorized Signatory

Faculty of Computer Applications

Account Ledger

For period from 01/04/2017 To 31/03/2018

Vou. Date Vou. No	Type	Description	Debit Amount	Credit Amount
CHAIR F.D INTEREST INCOME -MCA [CMPICA]		Opening Balance		
24/04/2017 14 /17/000050	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 24/04/2017 FOR ENDOW.FUND FD OF CMPICA COLLEGE, TDR NO.311803020180575, AS PER BANK STATEMENT. RECD. FROM UBI-CHANGA BRANCH FDINTERET FOR CMPICA FD POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
24/07/2017 14 /17/000087	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY INTETEST RECEIVED FROM UBI-CHANGA BRANCH FOR ENDOW.FUND FD FOR FACULTY OF COMPUTER APPLICATION ,TDR NO.311803020180575, ON 24/07/2017,48125/-RS. TDS IS 0 . AS PER BANK STATEMENT. RECD. FROM ENDOW.FUND FD FACULTY OF COMPUTER APPLICATION FD INTEREST POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
23/10/2017 14 /17/000175	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 23/10/2017 FOR ENDOW.FUND FD OF CMPICA COLLEGE, TDR NO.311803020180575, AS PER BANK STATEMENT. RECD. FROM UBI-CHANGA BRANCH CMPICA ENDO.FD INTEREST POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
23/01/2018 14 /17/000461	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 23/01/2018 FOR ENDOW.FUND FD OF CMPICA COLLEGEMCA, TDR NO.311803020180575, AS PER BANK STATEMENT. RECD. FROM CHAIR FD INTEREST MCA POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
Transaction Total				192,500.00
Opening + Transaction Total				192,500.00
Closing Balance			192,500.00	

Account Ledger

For period from 01/04/2017 To 31/03/2018

Vou. Date Vou. No	Type	Description	Debit Amount	Credit Amount
CHAIR F.D INTEREST INCOME -M.SC IT [CMPICA]		Opening Balance		
24/04/2017 14 /17/000051	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 24/04/2017 FOR ENDOW.FUND FD OF CMPICA COLLEGE MSC IT , TDR NO.311803020180576, AS PER BANK STATEMENT. RECD. FROM UBI-CHANA CMPICA COLLEGE FOR MSC IT POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
24/07/2017 14 /17/000088	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY INTETEST RECEIVED FROM UBI-CHANGA BRANCH FOR ENDOW.FUND FD FOR FACULTY OF COMPUTER APPLICATION DEPT.OF MSIT ,TDR NO.311803020180576, ON 24/07/2017,48125/-RS. TDS IS 0 . AS PER BANK STATEMENT. RECD. FROM ENDOW.FUND FD DEPT.OF COMP.MSIT FD INTEREST POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
23/10/2017 14 /17/000176	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 23/10/2017 FOR ENDOW.FUND FD OF CMPICA COLLEGE MSIT , TDR NO.311803020180576, AS PER BANK STATEMENT. RECD. FROM UBI-CHANGA CMPICA ENDO.FD INT.MSIT POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
23/01/2018 14 /17/000462	UBI25/BR	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY UBI-CHANGA BRANCH CREDITED 48,125/-RS. ON 23/01/2018 FOR ENDOW.FUND FD OF CMPICA COLLEGE MSIT , TDR NO.311803020180576, AS PER BANK STATEMENT. RECD. FROM CHAIR FD INTEREST MSC IT POSTED TO CSAT UNION BANK OF INDIA [311801010050025]		48,125.00
Transaction Total				192,500.00
Opening + Transaction Total				192,500.00
Closing Balance			192,500.00	

Faculty of Management Studies

Account Ledger

For period from 01/04/2017 To 31/03/2018

Vou. Date Vou. No	Type	Description	Debit Amount	Credit Amount
ENDOW. FUND F.D. [FACULTY OF MANAGEMENT]		Opening Balance	3,294,784.00	
31/03/2018	J.V./JV	CHAIR F.D INTEREST INCOME - MBA [IIIM] ENDOW.FUND F.D.(FACULTY OF MANAGEMENT.) TDR NO.311803030449589 INTEREST ACCRUED BY BANK ON 31/03/2018 AND TDS DEDUCT BY BANK ON 31/03/2018 IS 00.AS PER BANK NOTE INTERES IS 2,45,445.00RS. AND TDS DEDUT BY BANK IS 00/-RS. NET CREDIT IS 2,45,445.00/-RS	245,445.00	
Transaction Total			245,445.00	
Opening + Transaction Total			3,540,229.00	
Closing Balance				3,540,229.00

Financial Statement - Anil & Asha Patel Creativity Course

Accounting Year 2016-17

[1]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 06/09/2016	61,15,459	Donation amount placed in bank as Fixed Deposit on 07/09/2016	61,15,459

Accounting Year 2017-18

[2]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 29/06/2017	69,95,996	Donation amount placed in bank as Fixed Deposit on 30/06/2017	69,95,996

[3]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 01/01/2018	15,97,750	Donation amount placed in bank as Fixed Deposit on 02/01/2018	15,97,750

Accounting Year 2018-19

[4]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 11/07/2018	38,17,221	Donation amount placed in bank as Fixed Deposit on 12/07/2018	38,17,211

[5]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 27/08/2018	17,39,750	Donation amount placed in bank as Fixed Deposit on 28/08/2018	17,39,750

[6]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 12/10/2018	73,580	Donation amount placed in bank as Fixed Deposit on 13/10/2018	73,580

[7]

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Donation Amount Received on 30/11/2018	35,895	Donation amount placed in bank as Fixed Deposit on 01/12/2018	35,895

Payment & Receipt Account for F.Y 2017-18

Credit	Amount (Rs.)	Debit	Amount (Rs.)
Interest for 07/09/2016 to 31/12/2016 on fixed deposit	1,47,155	TDS on Interest of All Quarter	95,320
Interest for 01/01/2017 to 31/03/2017 on fixed deposit		Travelling charges	23,827
Interest for 01/04/2017 to 30/06/2017 on fixed deposit (On 1st FD of Rs. 6115459)	1,02,916	Course Material/Kit	1,46,415
Interest for 01/07/2017 to 30/09/2017 on fixed deposit (On 1st FD of Rs. 6115459)	1,04,047	Stationary	1,12,850
Interest for 01/10/2017 to 31/12/2017 on fixed deposit (On 1st FD of Rs. 6115459)	1,04,047	Hospitality	52,422
Interest for 01/01/2018 to 31/03/2018 on fixed deposit (On 1st FD of Rs. 6115459)	1,01,785	Food Exps.	1,52,771
Interest for 01/07/2017 to 30/09/2017 on fixed deposit (On 2nd FD of Rs. 6995996)	1,22,430	Video Recording and Photography	2,38,498
Interest for 01/10/2017 to 31/12/2017 on fixed deposit (On 2nd FD of Rs. 6995996)	1,22,430		
Total Fund of Scholarship as on 31/03/2018	8,04,810	Balance Amount C/f.	-17,293
		Total Expenses over Interest Income	8,04,810



DY. ACCOUNTS OFFICER
CHAKOTAR UNIVERSITY OF
SCIENCE & TECHNOLOGY
CHANGA - 388 421, TA. PETLAD, DI. ANAND

Faculty of Sciences

APPLICATION FOR INDUSTRY RESEARCH PROJECT

1. Title of research grant

Preliminary study on application of nano-grease & MR grease and its Tribological properties.

2. Provide the outline of your Proposed Solution (Abstract)

To Develop and characterize nano-additive based grease for industrial applications. The advantage of over conventional grease will be possible to enhance the properties of lubrication in terms of wear and friction.

3. Project Duration

SIX months

4. Provide a concise background to the project highlighting the problems to be addressed

The major aim of the proposed project is to synthesize nano-additives based grease as a lubricant for industrial applications.

5. Define the specific research activities to be pursued during Project Period

1. Characterization of base oils used for grease
2. Synthesis of nano-magnetic additive in above base oil
3. Optimizing concentration of nano-additive.
4. Tribological properties of Grease.

6. Provide a comprehensive description of techniques to be used

The following characterization will be carried out to optimize the nano-additive based lubricating oil.

1. Viscosity-temperature dependent
2. Wear/Friction and EP test using Four-Ball set up.
3. Influence of nano-additive on the above properties.

The technique for synthesis and optimization parameters will be proprietary of company and revenue will be shared when it is commercialized based on mutually agreed terms. The testing of the materials will be as per the ASTM protocol.

7. Advantages of suggested Methodological approach

1. Cost effective & Commercially viable
2. Improves the lubricating properties.

8. List the

- Available resources
 1. PDPIAS lab facilities
 2. The basic required Glassware and other facilities
- Needed Resources
 1. One testing equipments.

9. Beneficiary of the Project Research Project

Automobile industries, Gear and bearing industries.
Other commercial and academic purpose.



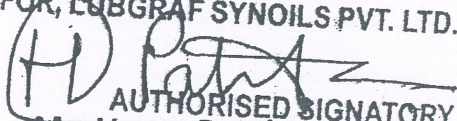
• Industrial Collaborator

Name (s)	Haren Patel & Jinal Patel
Industry Name	Lubgraf Syn Oils Pvt. Ltd.
Qualification	Chemical engineer
Designation	MD
Contact	07925840726
Email	haren@lspl.in

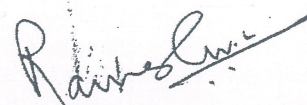
TENTATIVE BUDGET SUMMARY

Sr.No	ITEM	Industry Share (Lacs)
1	Permanent Equipments	00.80
2	Consumables	Will be provided by industry
3	Manpower Project assistant(s) identified by PI & Industry partner	01.20
4.	Other Costs (outsourcing, Fabrication, Testing, Patents, etc.)	00.30
Total		02.30

Date of Implementation: 15th Dec. 2017
FOR, LUBGRAF SYNOILS PVT. LTD.


AUTHORISED SIGNATORY
Mr. Haren Patel

Lubgraf Syn Oils Pvt Ltd.,



Professor R V Upadhyay,
PI, PDPIAS



CHARUSAT

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY (PDPIAS)

CHARUSAT Campus, At CHANGA, Ta. Petlad Di. Anand -388 421 (Gujarat) India.

Ph. # +91-2697-265000, 265192. Fax # +91-2697-247100.

Email : info@charusat.ac.in Web : www.charusat.ac.in

CHEQUE RECEIPT

Received with thanks from :

M/S. Lubgraf Synoils

Received as per following:

Voucher No : 13 /17/002880

Voucher Date : 01/02/2018

Created On : 07/02/2018 4:51PM

S.B.I. - CHANGA [30875081005]

PARTICULAR	AMOUNT (₹)
RESEARCH PROJECT-NANO GREASE AMOUNT RECEIVED FROM " M/S.LUBGRAF SYNOILS" FOR THE PROJECT OF RESEARCH PROJECT-NANO GREASE C/O. DR.R.V.UPADHYAY AS PER BANK STATEMENT. RECD. FROM M/S. LUBGRAF SYNOILS	235,000.00

Cheque No. : Transfer

Bank Name : S.B.I BANK

Branch : CHANGA

TOTAL :

235,000.00

Amount in words : RUPEES TWO LAKH THIRTY FIVE THOUSAND

Prepared By : BCP

Checked By :

for CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY (PD

Aegis : Shri Charotar Motti Sattavis Patidar Kelavani Mandal

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