



PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION



Key Indicator 3.1 : Resource Mobilization

Key Indicator	Metric Number	Particulars
3.1	3.1.3	Number of research projects per teacher funded by government and non government agencies during the last five years

INDEX

Sr. No	Name of the Project/ Endowments , chairs	Year	Amount	Page No.
1	Iron Based Perovskite Type Catalysts From Rust” granted in the framework of the program GRAMMA” DI RICERCA STM 2016” at ISMN-CNR, Palermo, Italy	2016-17	3000 Euros, App. Rs.2,10,000	1-2
2	Design & Development of HPFM Energised Process Machines	2013-14	Rs. 30,000	5-7
3	Design & Development of HPFM Energized Turmeric Cleaning Machine	2013-14	Rs. 15,000	5-7
4	Design & Development of HPFM Energized Dry Chilli Crushing Machine	2013-14	Rs. 15,000	5-7
5	Design & Development of oscillating pedal bicycle drive	2013-14	Rs. 15,000	5-7
6	Design & Development of HPFM Energized Rise Huskar	2013-14	Rs. 15,000	5-7



PRIYADARSHINI COLLEGE OF ENGINEERING
CRITERIA NUMBER III
RESEARCH, INNOVATION AND EXTENSION



7	Design And Fabrication Of Bamboo Sliver Cutting Machine, Wood Chipper Cutter And Stirrup Bending Machine By Using Pedal Powered Mechanism	2012-13	Rs.10,70,000/-	8-15
8	Fabrication & Optimization Of Dimensional Parameter For Solar Power Plant	2012-13	Rs.11,95,000/-	16-17
9	Development And Performance Evaluation Of Human Energized Water Pump	2012-13	Rs.16,50,000/-	18-19
10	Formulation Of Approximate Generalized Experimental Data Based Model For Chaff Cutter & Nursery Fertilizer Mixer Energized By Human Powered Flywheel Motor	2009-10	Rs.4,53,000/-	20-23
11	Design and Development of a Comprehensive Bamboo Processing Machine for optimal performance	2007-08	Rs. 5,00,000	23-24

3-11-16

Joshi Manisha Parag
House no. 1075/A, Rambach Complex Bungalow
Ramkrishna Nagar, Khamla Road
440015 Nagpur
(India)

Al Consiglio Nazionale delle Ricerche
(National Research Council of Italy)
Piazzale Aldo Moro, 7
00185 Roma

C.F. 80054330586
P. IVA 02118311006

Nota di Addebito

Date,

Subject: Amount received for a research stay of 10 days in Italy which took place within the framework of the Short Term Mobility Program – 2016 (STM 2016), as quoted in the CNR Contract, Ref No. AMMCNT – CNR n. 73311 dated 03/11/2016.

Oggetto: Consenso per un soggiorno di ricerca di 10 gg. effettuata nell'ambito del Programma di Mobilità di Breve Durata – 2016 (STM 2016), di cui al Contratto, prot. AMMCNT – CNR n. 73311 del 03/11/2016.

TOTAL AMOUNT
IMPORTO COMPENSO

€ 3.000,00

Total Amount
Totale

€ 3.000,00

Italian Income Tax (IRPEF) 30%

€ 900,00

Final Amount
Totale a pagare

€ 2.100,00

Signature

Firma

Manisha Parag Joshi

(Dr. Manisha Parag Joshi)

To: Dr.M.P.Singh,
Principal
Priyadarshini College of
Engineering (PCE),
Hingna Road, Nagpur, India

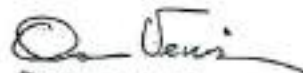
Subject: Work completion certificate of Dr.(Mrs.)Manisha Parag Joshi

Dear Dr. M. P. Singh

This is to certify that Dr.(Mrs.)Manisha Parag Joshi working as an Associate Professor at Priyadarshini College of Engineering, Nagpur has successfully completed her Research Project entitled "Iron-based perovskite-type catalysts from rust: a co-operation between Italy and India" granted in the framework of the program "PROGRAMMA DI RICERCA STM 2016". She had worked from 14th November 2016 to 25th November 2016 at Istituto per lo Studio dei Materiali Nanostrutturati - "Consiglio Nazionale delle Ricerche (ISMN-CNR), Palermo, Italy. During her visit to ISMN-CNR she worked in collaboration with Dr. Francesca Deganello and she had access to all research laboratories and facilities deemed necessary to carry out her research project. I consider her visit an excellent opportunity to strength the on-going research collaboration between our two Institutes. She was extremely hard working and dedicated towards her work. I wish her all the success in her future endeavors.

Palermo (Italy), 25/11/2016

Sincerely,



Dr. Anna M. Venezia, PhD
Director of Research,
Deputy Director ISMN_Pa -CNR

DIREZIONE VIA SALARIA KM 29,300 - 00015
MONTEROTONDO STAZIONE (ROMA) ITALY

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E: segreteria@ismn.cnr.it W: www.ismn.cnr.it

C.F. 80054330588 P.N.A. 02118311006

UOS BOLOGNA

Via Piero Gobetti, 101
40129 Bologna - Italy

T: +39.051 639 8513
F: +39.051 639 8540

UOS PALERMO

Via Ugo La Malfa, 153
90146 Palermo - Italy

T: +39.091 680 9360
F: +39.091 680 9399

UOS SAPIENZA

Via Aldo Moro, 5
00185 Roma - Italy


T: +39.06.90 672 484
F: +39.06.90 672 372

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

EXPENDITURE CERTIFICATE

Following are the details of expenditure for products developed vide letter from Human Scale Technologies Lab dated 27th March 2012

S. N	Name of Project	Name of the Investigator	Cost in Rs.
01	Design & Development of Energy Machines	Dr. J.P.Modak	Rs. 30,000.00
02	Design & Development of HPFM Energized Rise Huskar	Dr. P. B. Khope	Rs. 15,000.00
03	Design & Development of HPFM Energized Dry Chilli Crushing Machine	Dr. G. D. Mehta	Rs. 15,000.00
04	Design & Development of HPFM Energized Turmeric Cleaning Machine	Dr. K.S. Zakiuddin	Rs. 15,000.00
05	Design & Development of oscillating pedal bicycle drive	Dr. J.P.Modak	Rs. 15,000.00


Dr. J.P. Modak
Dean (R&D), LTJSS

Human System Technologies Lab, Mumbai

Human Scale Technologies Lab

1/A Siddhant Phase 6, Poldhara Road 2, Thane 400600
Tel 022 25854212 Fax 022 25883542 Email as@synterprise.net

March 27, 2012

The Principal,
PRIYADARSHINI COLLEGE OF ENGINEERING,
CRPF CAMPUS, NAGPUR-19,
INDIA

Re: Collaboration in the development of Human Powered Tools for Income Generation

Dear Sir,

It was a pleasure meeting with Prof Jayant Modak and his colleagues in Nagpur on the 15th. Your team's initiatives in the design and development of human powered equipment are indeed laudable and must necessarily be sustained!

We at the Human Scale Technologies Lab (HSTL), a section 25 company, supported by Synterprise, Mumbai and New Work New Culture, Ann Arbor, Michigan, develop and support such initiatives based on 'pedal power'.

The principal goals of HSTL include that:

- Collation of pedal powered tools and machines in India and the world over
- Application, adaptation and customisation of pedal powered tools for income generation, particularly for self-provision
- Web-based facilitation for the aggregation, interaction and dissemination of pedal powered technology vis-à-vis stakeholders

In this connection and as discussed we would like to enter in to a collaborative arrangement with your institution to undertake on behalf of HSTL pre-identified projects and studies by your faculty and/or students. Under the aegis of New Work New Culture and HSTL you will have the opportunity to interact with like institutions in the US, Germany, Austria and South Africa.

To ensure milestone achievement, we recommend focus on:

- Concepts
- Completion/variation of existing projects/studies
- New Projects

Dean (R&D)
Do the needful.
m/singh
13/4/12

To start with, we must target to identify within a month, at least 3 projects for this calendar year. Based on the estimate provided by your team, the budget for each project is Rs 40,000.00. Needless to say that the endeavour shall be to focus on frugal engineering to enable us maximise results from the budget. It would be ideal if we could do a 4th project in the same budget!

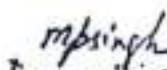
Based on your acceptance of this offer of collaboration, we enclose herewith a demand draft of Rs 1,20,000.00 to meet the said project costs.

We look forward to this collaborative initiative and to playing a useful role in catalysing human powered income-generating tools in the community!

With best wishes

For Human Scale Technologies Lab


Anil Saldanha
Director


* Signature of Principal
Principal, Priyadarshini College of Engineering

As token of acceptance
For and on behalf of
PRIYADARSHINI COLLEGE OF ENGINEERING

Encl:
Demand Draft dated 31.3.12 drawn on HDFC Bank Ltd, Thane for Rs 1,20,000.00 (Rs one lac twenty thousand only) payable to the 'Principal, Priyadarshani College of Engineering', Nagpur.

DD No: 003349

Design And Fabrication Of Bamboo Silver Cutting Machine, Wood Chipper Cutter And Stirrup Bending Machine By Using Pedal Powered Mechanism

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, Con. Tower, R.R.O. Bldg., Bismarck Place, New
Delhi-110003

Ref No. 20ARCTEREDRIPS(POLICY-BH)34/2012-13

March 4, 2013

The Drawing and Disbursing Officer
All India Council for Technical Education
7th Floor, Chandrabhag Building,
Connaught Place, New Delhi - 110 003.

Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.

Sr,

This is to convey the sanction of the Council for payment of Rs. 936667 (Rupees Nine Lakh ThirtySix Thousand Six Hundred SixtySeven Only) during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below.

- | | | |
|----|---|---|
| 1. | Name of the Beneficiary Institution (University / College / Institution) | : PRIYADARSHINI COLLEGE OF ENGINEERING NEAR CRPF CAMPUS, HINGNA ROAD, DIGDOH HILLS NAGPUR-49 |
| 2. | Principal Investigator's Name & Deptt. | : Dr. MAHENDRA SINGH MECHANICAL ENGINEERING |
| 3. | Grant-in-aid Sanctioned | : Rs. 1079200/- |
| 4. | Amount to be Released during the year 2012-13 (100% of non-recurring and recurring of year 1 remaining recurring in year 2 and 3) | : Non Recurring : Rs. 870000/-
Recurring (1 st Year): Rs. 66667/-
Total : Rs. 936667/- |
| 5. | Approved Duration | : 3 Years (Three Years) |
| 6. | Title of the Project | : DESIGN AND FABRICATION OF BAMBOO SILVER CUTTING MACHINE, WOOD CHIPPER CUTTER AND STIRRUP BENDING MACHINE BY USING PEDAL POWERED MECHANISM |


- The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13.
- 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 to and credited to the account of Director/Registrar/Principal, PRIYADARSHINI COLLEGE OF ENGINEERING NEAR CRPF CAMPUS, HINGNA ROAD, DIGDOH HILLS NAGPUR-49 through RTGS.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to 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/-

08.3.2013

- Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pro-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller & Audited General of India or by any Officer designated by them.
 6. The Institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
 7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
 8. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
 9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
 10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
 11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
 12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
 13. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education as early as possible after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
 4. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

Contd...3/-


 08.3.2017

15. The Grantee shall fully implement the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1978 etc.)
16. The funds to the extent are available under the scheme.
17. 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.
18. The Council does not provide permanent staff. However, Technical Project staff may be engaged only on contract basis after taking a formal approval from AICTE. The remuneration for such personnel may be fixed as per prevailing rules of the institution.
19. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during 2011-12 & 2012-13 before utilizing this amount and the matter be brought to the notice of this Council immediately.

Yours sincerely,

 08.3.2013
 (Shashikant P. Borkar)
 Advisor (RIFD)

Note: The prescribed formats and Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. The Director/Registrar/Principal
 PRIYADARSHINI COLLEGE OF
 ENGINEERING
 NEAR CRPF CAMPUS, HINGNA
 ROAD, DIGDOH HILLS NAGPUR-49
2. Dr. MAHENDRA SINGH
 PRIYADARSHINI COLLEGE OF
 ENGINEERING
 NEAR CRPF CAMPUS, HINGNA
 ROAD, DIGDOH HILLS NAGPUR-49
3. Office of Director General of Audit
 GENERAL REVENUES,
 AGCR BUILDING
 I.P. STATE, NEW DELHI-110 002.
4. Guard File

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road,
Pragati Vihar, New Delhi-110003

Ref. No.: 20/A/ITEM/IFD/RPS/POLICY/JR/134/PVTY/2012-13

Name of the Principal Investigator Dr. MAHENDRA SINGH

Name of the Institution PRIYADARSHINI COLLEGE OF ENGINEERING NEAR CRPF CAMPUS,
MINGNA ROAD, DIGDOH HILLS NAGPUR-49

Title of the Project DESIGN AND FABRICATION OF BAMBOO SLIVER CUTTING MACHINE,
WOOD CHIPPER CUTTER AND STIRRUP BENDING MACHINE BY
USING PEDAL POWERED MECHANISM

Approved Items of Expenditure (Non-Recurring)

Sl. No.	Approved Items (As per proposal)
1	FLYWHEEL
2	SHAFTS
3	BALL BEARINGS
4	GEAR BOX AND ITS FABRICATION
5	BICYCLE FRAME WITH EXTRA TWO FREE WHEELS
6	SPROCKETS
7	CHAINS
8	NUT & BOLTS KEYS

Total Amount Rs. 870000/- for Non-Recurring & Rs. 66667/- for Recurring (1/3 of total Recurring amount) i.e. Total Amount Rs. 936667/- (Rupees Nine Lakh ThirtySix Thousand Six Hundred SixtySeven Only)

08.3.2012
(Shashikant P. Borkar)
Advisor (RIFD)



LOKMANYA TILAK JANKALYAN SHIKSHA SANSTHA
PRIYADARSHINI COLLEGE OF ENGINEERING
 Near K. H. P. Campus, Nagpur Road, Nagpur - 441119 (India)
 Ph: +91 7104 254811 / 257187 / 254179 / 254141 Fax: +91 7104 217911
 E-mail: principal.pce@pce.ac Website: www.pce.ac



Reference: 2013-14

Date: 14/03/2016

To,
 The Advisor,
 AICTE Bureau - All India Council for Technical Education,
 NBCC Place, 4th Floor, East Wing, Pragati Vihar,
 Bhauhan Pitambara Marg,
 New Delhi - 110003

Subject: Submission of Project Completion Report and Fund Utilization Certificate
 Reference: 20/AICTE/RIFD/RPS (POLICY)- III/134/2012-13, Dated: 06 Mar 2013

Respected Sir,

The Project under Research Promotion Scheme (RPS) titled "Design and Fabrication of Bamboo Sliver Cutting machine, Wood Chipper Cutter and Slicing bending Machine by using Pedal Powered Mechanism" is sanctioned to us by AICTE, New Delhi in the year 2013. The amount released by AICTE is: Rs. 9,36,667/- (Nine Lacs Thirty Six Thousand Six hundred sixty seven only). The duration of project was of three years and the date of commencement of project is 6th March, 2013. The utilization of the amount sanctioned by AICTE and Project completion Report is enclosed herewith. Kindly acknowledge the receipt of the report.

Thanking you in anticipation.

Yours faithfully

Dr. C. N. Sukhale
 Co-Principal Investigator
 Associate professor, Mechanical Engg.
 Department, PCE, Nagpur
 Encl: Project completion report, Utilization Certificate and Audited Utilization Certificate

Dr. M. P. Singh
 Principal Investigator
 Principal & Professor of Mechanical Engg.
 Priyadarshini College of Engineering, Nagpur
 Principal
 Priyadarshini College of Engg.
 Nagpur



LOKMANYA TILAK JANKALYAN SHIKSHA SANSTHA

Address: PCE Main Road, Nagpur - 441119. Telephone: 254811, 257187, 254179, 254141. Fax: 217911. E-mail: principal.pce@pce.ac Website: www.pce.ac

Annual Progress Report for AICTE funded project under
Research Promotion Schemes (RPS)

(Please include sufficient details in sections 9-11 so as to facilitate proper evaluation of your project.)

File No. : 20/AICTE/RPFD/RPS (POLICY- III) 134/2012-13, Dated 06 Mar 2013

(As mentioned in sanction letter)

Date of Sanction : March 06, 2013

Subject Area : Material Processing

1. Principal Investigator

(Name & Address) : Dr.M .P. Singh,
Professor of Mechanical Engineering & Principal,
Priyadarshini College of Engineering, Nagpur

2. Co- Principal Investigators : Dr. C.N. Sukhale,
Associate professor, Mechanical Engineering
Department, Priyadarshini College of Engineering,
Nagpur-19

3. Project Title : Design and Fabrication of Bamboo Silver Cutting
machine, Wood Chipper Cutter and Stirrup
bending Machine by using Pedal Powered Mechanism

4. Date of Commencement of the Project : March 6th, 2013

5. Amount Sanctioned by AICTE : Rs. 10,70,000/-
Non- Recurring: Rs. 8.70 Lac
Recurring: Rs. 2 Lacs

6. Amount Released by AICTE : Rs. 9,36,667/- (Non- Recurring: Rs. 8.70 Lac +
Recurring: Rs. 66,667/-)

Details of Expenditure

The total grant received for the project is Rs. 10,70,000/- i.e., Rs. 8.70 Lacs is Non recurring and Rs. 2.0 Lacs is recurring. Total project duration is 3 years. Rs. 3.75 Lacs from non recurring grant and Rs. 66,667/- from recurring grant was utilized in the financial year 2013-14 and the remaining unspent amount is spent in the financial year 2014-15 and 2015-16. The total expenditure for the completion of the project is mentioned below:

Fabrication & Optimization Of Dimensional Parameter For Solar Power Plant

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, East Tower, N.B.C.C. Place, Ghazipur, New Delhi-110003

Ref. No. 20/ANCTER/IDR/PS(POLICY-III)/135/2012-13

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

Principal
A.C. (Shukla) / H.T. Dateesh
March 6, 2013
Dean (R&D)

Subj: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2012-13.

Sir,

This is to convey the sanction of the Council for payment of Rs. 995000 (Rupees Nine Lakh NinetyFive Thousand Only) during 2012-13 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme in order to create & update general research capabilities, as per details given below

1.	Name of the Beneficiary Institution (University / College / Institution)	PRIYADARSHINI COLLEGE OF ENGINEERING NEAR CRPF CAMPUS, HINGNA ROAD, DIGDOH HILLS NAGPUR-19
2.	Principal Investigator's Name & Deptt	Dr. CHANDRASHEKHAR SAKHALE MECHANICAL ENGINEERING
3.	Grant-in-aid Sanctioned	Rs. 1195000/-
4.	Amount to be Released during the year 2012-13 (100% of non-recurring and recurring of year 1 remaining recurring in year 2 and 3)	Non Recurring : Rs. 895000/- Recurring (1 st Year): Rs. 100000/- Total : Rs. 995000/-
5.	Approved Duration	3 Years (Three Years)
6.	Title of the Project	FABRICATION & OPTIMIZATION OF DIMENSIONAL PARAMETER FOR SOLAR UPDRAFT POWER PLANT

- The sanctioned grant-in-aid is debatable to the major "Head RPS/Plan grant" and is valid for payment during the financial year 2012-13
- 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 to and credited to the account of Director/Registrar/Principal, PRIYADARSHINI COLLEGE OF ENGINEERING NEAR CRPF CAMPUS, HINGNA ROAD, DIGDOH HILLS NAGPUR-19 through RTGS.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred 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/-

13.3.2013

Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.

5. The accounts of the grantee will be open for test check by the Council or Comptroller & Audited General of India or by any Officer designated by them.
 6. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
 7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
 8. The assets acquired wholly or substantially out of all India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the all India Council for Technical Education.
 9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
 10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
 11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
 12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
 13. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education as early as possible after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

[Signature]
13.3.2012

Contd... 3/-

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road,
Pragati Vihar, New Delhi-110003

Ref. No. 2012/CTE/RIIPSPOLICY/RP/126/PVT/2012-13

Name of the Principal Investigator Dr. CHANDRASEKHAR SAKUNTE

Name of the Institution PRIYADARSHINI COLLEGE OF ENGINEERING IN ALL INDIA CAMPUS,
HINDRA ROAD, (SICOL) HINDRA ROAD

Title of the Project FABRICATION & OPTIMIZATION OF DIMENSIONAL PARAMETER FOR
SOLAR UPDRAFT POWER PLANT

Approved Items of Expenditure (Non-Recurring)

Sl. No.	Approved Items (As per proposal)
1	COLLECTOR MATERIALS
2	CHIMNEY + TURBINE
3	ALUMINUM PROFILE + IRON BARS
4	DIGITAL INSTRUMENTS MENTION IN THE LIST

Total Amount Rs. 995000/- for Non- Recurring + Rs. 100000/- for Recurring (1/3 of total
Recurring amount) i.e. Total Amount Rs. 995000/- (Rupees Nine Lakh NinetyFive Thousand Only)

(Shashikant P. Borkar)
Advisor (RIPD)

15. The Grantee shall fully implement to the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
16. The funds to the extent are available under the scheme
17. 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
18. The Council does not provide permanent staff. However, Technical Project staff may be engaged only on contract basis after taking a formal approval from AICTE. The remuneration for such personnel may be fixed as per prevailing rules of the Institution.
19. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during 2011-12 & 2012-13 before utilizing this amount and the matter be brought to the notice of this Council immediately

Yours sincerely,

(Shashikant P. Borkar)
Advisor (RIFD)

Note: The prescribed formats and Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. ✓ The Director/Registrar/Principal
PRIYADARSHINI COLLEGE OF
ENGINEERING
NEAR CRPF CAMPUS, HINGNA
ROAD, DIGDOH HILLS NAGPUR-19
2. Dr. CHANDRASHEKHAR SAKHALE,
PRIYADARSHINI COLLEGE OF
ENGINEERING
NEAR CRPF CAMPUS, HINGNA
ROAD, DIGDOH HILLS NAGPUR-19
3. Office of Director General of Audit
GENERAL REVENUES,
AGCR BUILDING
I.P. STATE, NEW DELHI-110 002.

4. Guard File

Development And Performance Evaluation Of Human Energized Water Pump

P.C.E. Hingna Road
Nagpur
U/W No. 609
Q/W No. 1010/11
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
7 th Floor, East Tower, N.B.C.C. Plaza, Bhikam Pitham Marg,
Side - Project Year, New Delhi-110003

Ref. No: 8023/REINRPS-52/Pvt (J Policy)/2011-12

Feb., 07, 2012

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

Sub: Release of Grants under Research Promotion Scheme (RPS) Scheme during the financial year 2011-12.

Sir,

This is to convey the sanction of the Council for payment of Rs. 1650000/- (Rupees Sixteen Lakh Fifty Thousand Only) during 2011-12 under the Research Promotion Scheme (RPS) as Grant-in-aid for meeting the expenditure for implementing the Scheme as per details given below:

1. Name of the Beneficiary Institution (University / College / Institution)	:	Priyadarshini College of Engineering Near Central Reserve Police Force Campus, Hingna Road, MIDC Nagpur-440019 Maharashtra
2. Principal Investigator's Name & Dept.	:	Dr. Zakluddin Quazi Mechanical Engineering
3. Grant-in-aid Sanctioned	:	Rs. 1650000/-
4. Amount to be released	:	Rs. 1650000/-
5. Approved Duration	:	2 Years (Two Years)
6. Title of the Project	:	Development and Performance Evaluation of human energized water pump

- The sanctioned grant-in-aid is debtable to the major "Head" RPS/Plan grant and is valid for payment during the financial year 2011-12
- 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 to and credited to the account of Principal, Priyadarshini College of Engineering, Near Central Reserve Police Force Campus, Hingna Road, MIDC, Nagpur-440019, Maharashtra through RTGS.
- The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to 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.

Principal
HED Nagpur

Registrar
Please send same copy to Exec. Director for information

Contd... 2/-

4. Each project sanctioned by AICTE is assigned a specific Ref. No. which is on pre-page. All correspondence address to AICTE regarding the project must quote this number along with year of sanction of the project otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller & Auditor General of India or by any Officer designated by them.
6. The Institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
8. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
13. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education as early as possible after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
14. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the council from time to time.

Formulation Of Approximate Generalized Experimental Data Based Model For Chaff Cutter & Nursery Fertilizer Mixer Energized By Human Powered Flywheel Motor

RAJIV GANDHI SCIENCE AND TECHNOLOGY COMMISSION
Government of Maharashtra

No. RGSTC/File - 08/10PP-027/18
New Administrative Building, 19th Floor
Opp. Mantralaya, Mumbai - 400032

Dated: 23 March, 2009.

Sanction Order

Sub:- Project Proposal entitled "Formulation of approximate generalized experimental data base model (Generation of Design data) for (a) Chaff Cutting Process (b) Nursery Fertilizer Mixing Process Energized by Human Powered Flywheel Motor (H.P.F.M)." -

Ref:-1) Project Proposal dated 21.01.2008 and letter dated 02-03-2009 received from the Principal, Priyadarshini College of Engineering, Nagpur

One of the objectives of the Rajiv Gandhi Science and Technology Commission is to act as catalyst or facilitator for transfer of technology from laboratories and other research efforts to application of Science and Technology on a larger scale. The Commission has formulated a scheme "Assistance for S&T Applications". The project proposals received under the scheme are scrutinized and placed before the Project Appraisal Committee set up by the Commission.

2. A project proposal entitled "Formulation of approximate generalized experimental data base model (Generation of Design data) for (a) Chaff cutting Process (b) Nursery Fertilizer mixing process energized by human powered flywheel motor (H.P.F.M)" was received from the Principal, Priyadarshini College of Engineering, Nagpur. The project aims to design and develop agricultural implements.

3. The Rajiv Gandhi Science and Technology Commission is pleased to release an amount of Rs. 3,76,500/- (Rs. Three lakhs seventy six thousand and five hundred only) as the first installment of the total estimated approved cost of Rs. 4.53 lakhs (Rs. Four lakhs and fifty three thousand only) for implementation of the two years project to the Principal, Priyadarshini College of Engineering, Nagpur. The College is requested to acknowledge the receipt of payment immediately.

4. The Project status will be reviewed, in terms of the objectives and achievement, at the end of every year after the receipt of the sanctioned amount. The College should submit the progress report along with the Utilization Certificate and the Statement of Expenditure, to enable the Commission to complete the reviewing process.



(V. P. Kulkarni)
Senior Administrative and Finance Officer

Copy forwarded with compliments for information and necessary action to:

✓ Dr. M.P. Singh, Principal, Priyadarshini College of Engineering, Near CRPF
Campus, Hingana Road, Nagpur - 441 019.

✓ Under Secretary & DDO, RGSTC.

Copy for information to:

1) Chairman, RGSTC,

2) Secretary (IT & ST),

Rajiv Gandhi Science & Technology Commission

Dr. Nisha Meshram,
Sr. Scientific Officer,

No. RGSTC/PPP-0179/2007.
Government of Maharashtra
New Administrative Bldg., 19th floor,
Opp. Mantralaya, Mumbai - 400032.
Tel No. 022 22024177 / 22024711
Fax No. 022 22024755
Dated : 17th December, 2007

Dear Dr. D.D. Shah,

Sub-Project Pre-Proposal :- "Generation of design data for nursery
fertilizer mixer energized by human powered fly wheel motor"

Ref:- Your letter No.PCE/2006-07/0337/ dated.11-07-2007.

Please refer to your above Project Pre-Proposals, submitted to the Rajiv Gandhi
Science and Technology Commission, for which we thank you.

The Committee of Peers of the Commission, in its recent meeting considered the
pre-proposals, related to your pre-proposal from other institute also(a list is enclosed)
and opined that the concept presented therein require networking of both the institutions
for product development. Such a multi-institutional project could be co-ordinated at one
institution. It would be not only mutually complementary in terms of expert inputs but
would have better focus and would generate useful database for the entire State. The
investigators may please interact and suggest a possible work plan for such a networked
project. With this input, we would be in a position to pursue this major initiative.

I am enclosing herewith the booklet on the Scheme "Assistance for S&T
Applications".

With regards,

Yours sincerely,


(Nisha Meshram)

✓ Dr. D.D. Shah,
Principal,
Priyadarshini College of Engineering,
Near CRPP Campus,
Nagpur - 440 019.

Copy for information to :
Dr. P.D.Majumdar. (Advisor)

1. Formulation of Approximate generalized experiment data base model for agricultural implement (PPP-0175)

Principal investigator: Q.S. Zakiuddin,
Asst Prof & H.O.D,
Dept. of Mech Engg,
A.C.E.T, Nagpur.

2. Generation of design data for nursery fertilizer mixer energized by human powered fly wheel motor. (0179)

Principal investigator: Prof. A.A. Manker,
Mechanical Department PCE,
Near CRPP Campus,
Hingna Road,
Nagpur - 440 019.

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, NBCC Place, Bhishma Pitamah Marg, Lodhi Road, Pragati Vihar
New Delhi- 110 003 Telex: 611-24389432

F.No. 8023/BOR/RPS-131/2006-07

Date: February 26, 2007

The Drawing and Disbursing Officer
All India Council for Technical Education
Indira Gandhi Sports Complex, Indraprastha Estate
New Delhi - 110 032

Subject: Release of Grants under Research Promotion Scheme (RPS) Scheme for the financial year 2006-07 under plan.

Sr.

I am directed to convey the sanction of the Council for payment of Rs 5.00 lakhs (Rupees Five Lakhs only) during 2006-07 under the Research Promotion Scheme (RPS) as Grant-in-aid to PRIYADARSHINI COLLEGE OF ENGG. & ARCHITECTURE, CRPF CAMPUS, DIGDOH HILLS, HINGNA ROAD, NAGPUR- 440019, MAHARASHTRA, for meeting the expenditure for implementing the Scheme as per details given below:

- | | | |
|----|---|--|
| 1. | Name of the Beneficiary Institution
(University / College / Institution) | Priyadarshini College of Enngg. & Arch.
CRPFCampus, Digdoh Hills, Hingna
Road, Nagpur-440019 Maharashtra |
| 2. | Chief Coordinator Name & Dept. | M.P. Singh
Mechanical Enngg. |
| 3. | Title of the Project | Design & Development of a
Comprehensive Bamboo Processing
Machine For Optimal Performance |
| 4. | Grant-in-aid Sanctioned
Recurring
Non-Recurring | Rs 5.00 lakhs only
Rs 0.20 Lakhs only
Rs 4.80 Lakhs only |
| 5. | Amount to be released
(1st & Final instalment) | Rs 5.00 lakhs only |
| 6. | Approved Duration (in Years) | 2 (Two) Years |

1. The sanctioned grant-in-aid is debitable to the major Head RPS/Plan grant and is valid for payment during the financial year 2006-07.

2. 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 or the Grants-in-aid DA and shall be debited to and credited to the Principal/Director/Registrar, PRIYADARSHINI COLLEGE OF ENGG. & ARCHITECTURE, CRPF CAMPUS, DIGDOH HILLS, HINGNA ROAD NAGPUR- 440019, MAHARASHTRA, through demand draft/Cheque.


3. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Registrar/Principal/Director shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred 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.

COUNCIL

4. Each project sanctioned by AICTE is assigned a specific file no. which is on pre-page. All correspondence addressed to AICTE regarding the project must quote this number along with year of sanction of the project; otherwise the correspondence may not be entertained.
5. The accounts of the grantee will be open for test check by the Council or Comptroller and Audited General of India or by any Officer designated by them.
6. The Institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
7. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However, in case of the grantee wishes to recast the project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the normal procedures of AICTE / Government of India.
8. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilize the purposes other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
9. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
10. Interest on the sanctioned grant-in-aid will be treated as part of the grant and shall be used for project purposes only and the same shall be mentioned in the audited statement of accounts.
11. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion of each financial year.
12. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
13. The Utilization Certificate (U.C.) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education as early as possible after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
14. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time. The detailed terms and conditions for implementation RPS can be obtained from 2008-07 booklet as well as website www.aicte.ernet.in.
15. The Grantee shall fully implement to the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)

F.No 8023/BOR/RPS-131/2008-07

17. The funds to the extent are available under the scheme.
18. The sanction issues in exercise of the powers delegated to the Council. It is also clarified that grant-in-aid is being released in conformity with the rules and the Principles of the scheme.

Yours sincerely

(Swadesh K. Gupta)
Advisor (RID)

Note: The prescribed formats & Terms & Conditions are available in the application brochure.

Copy forwarded for information and necessary action to:

1. The Principal/Registrar/Director
PRIYADARSHINI COLLEGE OF ENGINEERING & ARCHITECTURE
CRPF CAMPUS, DIGDOH HILLS, HINGNA ROAD
NAGPUR-440019
MAHARASHTRA
2. ✓ M P SINGH
DEPT OF MECHANICAL ENGINEERING
PRIYADARSHINI COLLEGE OF ENGINEERING & ARCHITECTURE
CRPF CAMPUS, DIGDOH HILLS, HINGNA ROAD
NAGPUR-440019 MAHARASHTRA
3. Office of Director General of Audit,
General Revenues,
AGOR Building
I.P. Estate, New Delhi - 110 002.
4. - Guard File

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
4th Floor, NICE Place, Bhishma Pitamah Marg, Lodi Road, Pragati Vihar
New Delhi - 110 063

File no. 5923/MOR/RPS-131/2006-07

Name of the Principal Investigator & Dept. M P SINGH
MECHANICAL ENGINEERING

Name of the Institution PRIYADARSHINI COLLEGE OF
ENGINEERING & ARCHITECTURE
CRPF CAMPUS, DIGDOH HILLS
HINGNA ROAD
NAGPUR- 440019 MAHARASHTRA

Title of the Project DESIGN & DEVELOPMENT OF A
COMPREHENSIVE BAMBOO PROCESSING
MACHINE FOR OPTIMAL PERFORMANCE

Approved Item & Expenditure

Sl. No.	Approved Items & Expenditure
1	Motor 1.5 HP
2	Shafts, Ball Bearing, Brass Bushes
3	Saw tooth cutter, planer, planer blade assembly
4	V-Bolt, Pulley, internal knot cutter, silver cutter
5	Arbor type roller, spring & pressure adjusting nut
6	Gears and keys
7	Nuts, Bolts & Frame, Frame Foundation bolts, cutter table
8	V-Bolt and internal knot removing cutter, I section support
9	Design fabrication & installation of various dynamometers

(S K Tosh)
Deputy Director