



**PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN**

Vijayapuri colony Chowdaryguda (V), Ghatkesar (M), Medchal (D), TS-500088.

(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

Date: 25/10/2017

To  
The Managing Director,  
Sri Lakshmi Electricals,  
Kukatpally,  
Hyderabad - 500 072.

Subject: Sponsorship for funded project – Regarding.


Dear Sir,

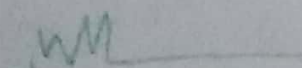
Best wishes from Princeton Institute of Engineering & Technology for Women.

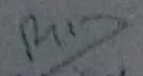
Princeton Institute of Engineering & Technology was established in the year 2009. PETW is approved by AICTE New Delhi, affiliated to JNTU, Hyderabad. PETW is an ISO 9001:2015 certified institution and TASK. The faculties of various departments are actively pursuing research in their respective technical departments under R&D wing of PETW. Dr. AJMERA KRISHNAMURTHY, Professor, Department of ECE, is the principal investigator for this proposed work.

We request your kind cooperation and financial aid of INR. 7, 00,000 (Seven lakhs Rupees Only) in the "DESIGN OF SOFT SWITCHING VOLTAGE BOOSTING CONVERTER FOR HIGH POWER APPLICATIONS" Herewith we have enclosed the budget proposal for the project. Our faculty will contact you in person along with this letter.

Princeton Institute of Engineering & Technology for Women is expecting positive response from you.

  
Principal Investigator  
Dept. of EC Engineering

  
Principal

  
Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Koramangala  
(M), Medchal Dist., TS-500088

Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Koramangala  
Ghatkesar (M), Medchal Dist., TS-500088



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(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

Date: 25/10/2017

**Budget Proposal for "Design of Soft Switching Voltage Boosting Converter for High Power Applications"**

**Introduction:**

In many industrial areas DC converters with high voltage gain are required. In renewable energy resources like wind turbines, fuel cells, photo voltaic generators, small hydro systems a front end boost converter is connected to step up the voltage. A soft switching voltage boosting converter for high power applications is proposed in this project. It consists of voltage boosting converter and a half bridge resonant converter and the two stages are merged in to a single stage. The voltage boosting converter stage provides a continuous input current and soft switching operation of power switches. The Half bridge converter stage provides the high voltage gain.

**Scope of work**

In this project a Soft switching voltage boosting converter is designed for high power applications. It can achieve by turning on the switches at zero voltage while maintaining the circuit in continuous current mode (CCM). The current changing rate of the output diodes was controlled by leakage inductance of the transformer. Therefore the reverse -recovery characteristics were significantly improved. This project proposes more efficient and more reliable boost converter for high power applications.

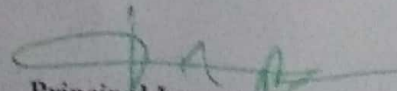
**1.0 Professional Fees**


Our Lump Sum professional fees for carrying out the above the scope of work will be INR.7,00,000 (Seven lakhs Rupees only)

**2.0 Terms of Payment**

S. No.	Mode of payment	Amount (INR)
1.	Term-1 (Work order& Analysis)	2,50,000
2.	Term-2( Modeling and Design)	1,50,000
3.	Term-3 (Fabrication, Machining and Testing and Delivery)	3,00,000
	Total	7,00,000

Kindly acknowledge the receipt of this proposal and looking forward to get the work order.

  
Principal Investigator

  
Principal

PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Khorramula (V)  
Ghatkesar (M), Medchal Dist, T.S-500088



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

Vijayapuri colony Chowdaryguda (V), Ghatkesar (M), Medchal (D), TS-500088.

(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

Date: 29/11/2017

To  
The Managing Director,  
Sri Lakshmi Electricals,  
Kukatpally,  
Hyderabad - 500 072.

Project: Work order for "Design of Soft Switching Voltage Boosting Converter for High Power Applications".

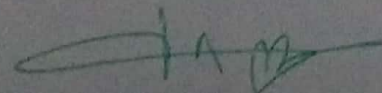
Ref: SLE/WO/PETW/ECE/2017-18/01 Dated 12/11/2017.

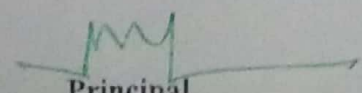
Dear Sir,

As per your work order and subsequent discussions with principal investigator, I request you to kindly release the following bill amount.

Bill - 1		
S. No.	Mode of payment	Amount (INR)
1.	Term-1 (Work order & Analysis)	2,50,000
	<b>Total</b>	<b>2,50,000</b>

Thanking You.

  
Principal Investigator

  
Principal

  
Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Korremula (V),  
Ghatkesar (M), Medchal Dist. TS-500088

Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Korremula (V),  
Ghatkesar (M), Medchal Dist. TS-500088



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

Vijayapuri colony Chowdaryguda (V), Ghatkesar (M), Medchal (D), TS-500088.

(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

Date: 14/12/2017

To  
The Managing Director,  
Sri Lakshmi Electricals,  
Kukatpally,  
Hyderabad - 500 072.

**Project:** Work order for "Design of Soft Switching Voltage Boosting Converter for High Power Applications"

**Ref:** SLE/WO/PETW/ECE/2017-18/01 Dated 12/11/2017.

Dear Sir,

As per your work order and subsequent discussions with principal Investigator, I request you to kindly release the following bill amount.

Bill - 2		
S. No.	Mode of payment	Amount (INR)
1.	Term-2( Modeling and Design)	1,50,000
	<b>Total</b>	<b>1,50,000</b>

Thanking You.

Principal Investigator

Principal

Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Medchal (D),  
Ghatkesar (M), Hyderabad - 500088

Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Medchal (D),  
Ghatkesar (M), Hyderabad - 500088



**PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN**

Vijayapuri colony Chowdaryguda (V), Ghatkesar (M), Medchal (D), TS-500088.

(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

Date: 03/01/2018

To  
The Managing Director,  
Sri Lakshmi Electricals,  
Kukatpally,  
Hyderabad - 500 072.

**Project:** Work order for "Design of Soft Switching Voltage Boosting Converter for High Power Applications"

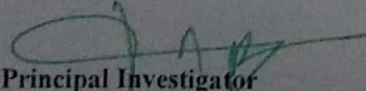
**Ref:** SLE/WO/PETW/ECE/2017-18/01 Dated 12/11/2017.


Dear Sir,

As per your work order and subsequent discussions with principal Investigator, I request you to kindly release the following bill amount.

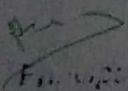
Bill - 3		
S. No.	Mode of payment	Amount (INR)
1.	Term-3 (Fabrication, Machining and Testing and Delivery)	3,00,000
	<b>Total</b>	<b>3,00,000</b>

Thanking You.

  
Principal Investigator

  
Principal

**Principal**  
**PRINCETON INSTITUTE OF ENGINEERING**  
**& TECHNOLOGY FOR WOMEN**  
Chowdaryguda, Korremuru (V),  
Ghatkesar (M), Medchal Dist, TS-500088

  
**Principal**  
**PRINCETON INSTITUTE OF ENGINEERING**  
**& TECHNOLOGY FOR WOMEN**  
Chowdaryguda, Korremuru (V),  
Ghatkesar (M), Medchal Dist, TS-500088



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN  
Vijayapuri colony Chowdaryguda (V), Ghatkesar (M), Medchal (D), TS-500088.


(Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi)

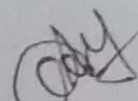
GRANT UTILIZATION CERTIFICATE


Date: 17/01/2018

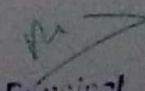
This is to certify that the grant of Rs. 7, 00,000 (Rupees Seven lakhs only) from Sri Lakshmi Electricals as per the following installments was received by Princeton Institute of Engineering & Technology for Women for the project "Design of Soft Switching Voltage Boosting Converter for High Power Applications" via electronic money transfer NEFT or cheque to institute SBI & HDFC bank account .

Name of the company	Term	Proposed amount	Released amount
Sri Lakshmi Electricals	1	2,50,000	2,50,000
	2	1,50,000	1,50,000
	3	3,00,000	3,00,000
Total Amount		7,00,000	7,00,000

  
Principal Investigator

  
Auditor

  
Principal

  
Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Korremula (V),  
Ghatkesar (M), Medchal Dist, TS-500088

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PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Korremula (V),  
Ghatkesar (M), Medchal Dist, TS-500088



Sri Lakshmi Electricals

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### Letter of Acceptance

Ref: SLE/PETW/ECE/2017-18/01

Date: 12/11/2017

To  
The Principal,  
**Princeton Institute of Engineering & Technology for Women,**  
Narapally,  
Secunderabad-500088.

Ref: Sponsorship for Project Dated: 25/10/2017

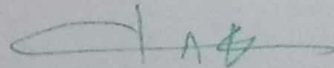
Subject: Acceptance of Financial aid for the project "**Design of Soft Switching Voltage Boosting Converter for High Power Applications**".

Dear Sir,

Best wishes from Sri Lakshmi Electricals, Kukatpally Hyderabad.

Our staff and officials have undergone the scope of work for the proposed project. We extend our full support to carry out this research work. In this regard, we are glad to sponsor your project "**Design of Soft Switching Voltage Boosting Converter for High Power Applications**" with INR. 7, 00,000 (Seven lakhs rupees only)

  
Principal  
**PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN**  
Chowdaryguda, Korramutta (M),  
Ghatkesar (M), Medchal Dist, T.S-50

  
Managing Director  
(Sri Lakshmi Electricals)

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Quthbullapur, Kukatpally, Bjp Office, IDA Kukatpally, Kukatpally,  
Hyderabad, Telangana 500072



Sri Lakshmi Electricals

### Work Order

Ref: SLE/PETW/ECE/2017-18/01

Date: 12/11/2017

To  
The Principal,  
Princeton Institute of Engineering & Technology for Women,  
Narapally,  
Secunderabad-500088.

Ref: Sponsorship for funded project Dated: 25/10/2017.

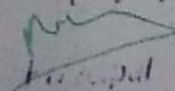
**Subject:** Release of Work order for the project "Design of Soft Switching Voltage Boosting Converter for High Power Applications".

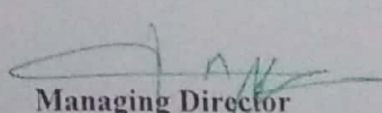
Dear Sir,

We have undergone the proposed project with our senior professionals. We extend our full support to carry out this research work. In this regard, we are glad to release the work order for the project "Design of Soft Switching Voltage Boosting Converter for High Power Applications" from today onwards. The following terms of payment will follow as per the budget proposal to complete the project.

S. No.	Mode of payment	Amount (INR)
1.	Term-1 (Work order& Analysis)	2,50,000
2.	Term-2( Modeling and Design)	1,50,000
3.	Term-3 (Fabrication, Machining and Testing and Delivery)	3,00,000
	Total	7,00,000

Best wishes from Sri Lakshmi Electricals, Kukatpally Hyderabad.

  
Principal  
PRINCETON INSTITUTE OF ENGINEERING  
& TECHNOLOGY FOR WOMEN  
Chowdaryguda, Korremkurdi (M),  
Ghatkesar (M), Medchal Dist, T.S-500088

  
Managing Director  
(Sri Lakshmi Electricals)

Quthbullapur, Kukatpally, Bjp Office, IDA Kukatpally, Kukatpally,  
Hyderabad, Telangana 500072