

**E-5**

Electrical

**PROCUREMENT OF GOODS  
UNDER  
NATIONAL SHOPPING  
PROCEDURES**

**COEP/TEQIP-II/CoE-SRES/March2016/NS/19**

**For**

**Component Basket**

**Bid Price: Nil/-**

**INVITATION FOR QUOTATIONS FOR SUPPLY OF**

**Component Basket**

1. You are invited to submit your most competitive quotation for the following goods: -

Sr. No	Title /Name of the equipment /System	Brief description [Attach separate annexure if necessary for detailed specifications	Quantity
<b>1</b>	<b>Component Basket</b>	<b>Component Baskets Please refer to the Annexure A</b>	<b>Refer Annexure A</b>

The schedule is as follows

Date of inviting the quotations	23/03/2016
Last date of submitting the sealed quotation to TEQIP office, COEP	04/04/2016 [upto 3:00 pm]
Opening of the quotations	04/04/2016 [4:00 pm]
Validity of quotation	Min 45 days
<b>Delivery Period</b>	<b>6 weeks from the acceptance of PO</b>

2. College of Engineering has received the grants for establishing Center of Excellence in Smart Renewable Energy System under MHRD's Technical Education Quality Improvement Program-Phase II. The said procurement is for this center. This project is World Bank sponsored project. This procurement is being carried out using the National Shopping Process, and will observe the guidelines of Shopping under TEQIP-II.

3. **Bid Price**

- The contract shall be for the full quantity as described above and in the annexure. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price. However, break- up of the basic price and taxes/duties shall be indicated clearly.
- The bidders will be evaluated on the basic price.

- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
  - e) The Prices should be quoted **in Indian Rupees** only.
4. Each bidder shall submit only one quotation.
5. **Validity of Quotation**
- Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.
6. **Evaluation of Quotations**
- The purchaser shall evaluate and compare the quotations determined to be substantially responsive i.e. which
- (a) are properly signed ; and
  - (b) conform to the terms and conditions, and specifications.
- The Quotations would be evaluated considering all items together in this packet.**
7. **Award of contract**
- The Purchaser shall award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 7.2 The bidder whose bid is accepted shall be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
8. 80 % Payment shall be made immediately after delivery of the goods. Remaining 20 % payment will be made after successful commissioning and testing of the equipment/system.
9. Three years commercial warranty/ guarantee shall be applicable to the supplied goods.
10. You are requested to provide your offer in sealed envelope latest by **04<sup>th</sup> April 2016. Please indicate “Quotation for CoE-SRES/ March2016 /NS /19” at the right hand corner of the sealed envelope**

11. The bidder has to supply the material within the prescribed date. A penalty as per norms will be imposed for delayed supply upto 6 weeks. Any further delay will automatically terminate the purchase order/ contract.
12. The supplier requires supplying the store exactly as per the specifications and will be responsible to replace the defective supplies at his risk and cost.
13. The Supplier should submit deviation statement if any. The quotations simply mentioning “asper your specification and cost” shall be rejected.
14. The supplier should arrange for free demo / working trial of equipment (if required) at the Institute / Manufacturers place as the case may be at suppliers cost. The Purchase Order would be placed subject to satisfactory demonstration of the equipment.
15. Commissioning / Installation is at suppliers cost unless otherwise specified.
16. Conditional quotation will not be accepted.
17. We look forward to receiving your quotations and thank you for your interest in this project.

**Name: Prof. B. N. Chaudhari**  
Principal Investigator  
Center of Excellence-Smart Renewable  
Energy System

## Annexure A

Detailed technical specifications for Component Baskets  
Please quote separately for Basket I and Basket II

### Component Basket I

Sr. No.	Component	Specification	Qty
1	IGBT modules	1. 25 N120 Plastic Pack IGBT 2. SKM50GB063D 3. SKM75GAL063D 4. SKM75GAR063D 5. SK50GH065 6. SKM150MLI066TAT 7. SK204DGD065ET 8. SKM300GBD12T4	50 20 10 10 20 6 6 6
2	MOSFETs	1. IRF540 2. IRF840 3. IRF450 4. IRF460	50 50 50 50
3	Fast Recovery Diodes	1. 6 A / 100 V 2. 12 A / 100 V 3. 25 A / 400 V 4. 40 A / 600 V 5. 1 A / 1200 V	10 10 10 10 25
4	Hall Effect Sensors	1. Allegro 712C 20 A 2. LA55 55 A	25 20
5	Voltage Isolators	1. ISO122P	25
6	IGBT Driver Cards with Power supply	SKYPER SLHI10/12R or Equivalent	20
7	MOSFET Driver Cards with Power supply	SKYPER SLHI10/12R MOSFET or Equivalent	20

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## Component Basket II

<b>1</b>	Ferrite Cores & Bobbins	1. EE2510 2. EE3510 3. EE3520 4. EE4220 5. EE4225 6. EE5520	20 20 20 20 20 10
<b>2</b>	Tool kits	1. Soldering Gun 25 W / 240 VAC with stand 2. Soldering Gun 6 W / 240 VAC with stand 3. Soldering Gun 50 W / 240 VAC with stand 4. Cutters 5. Nose Pliers 6. Wire Stripper 7. Magnifying illuminated Glass 8. PCB assembly Table 9. Mallet	10 10 1 10 10 10 2 2 2
<b>3</b>	Winding Machine	1. Manual 2. Automatic	1 1
<b>4</b>	300 W motors in assembled & semi assembled form	1. PMDC 48 Volts 1500 RPM 2. BLDC – Radial Flux 48 Volts 3000 RPM 3. BLDC – Radial Flux 240 Volts 3000 RPM 4. BLDC – Axial Flux 48Volts 3000 RPM 5. Squirrel Cage Induction 1 Phase 6. Squirrel Cage Induction 3 Phase 7. Synchronous 1 Phase 8. Synchronous 3 Phase 9. PM Sync Machine 3 Phase 10. Switched Reluctance Machine 48 Volts 11. PM Stepper 48 Volts 12. Hybrid Stepper 48 Volts	2 2 2 2 2 2 2 2 2 4 2
<b>5</b>	3 Phase Z transformers ( 300 W ) 415/415	1. 10 Deg Phase Shift 2. 15 Deg Phase Shift 3. 20 Deg Phase Shift 4. 30 Deg Phase Shift	3 3 3 3