

## INVITATION FOR QUOTATION

DIC/UIET/2016

Date: 26-08-2016

Package Name: OPAL-RT Real Time Simulator for Microgrid Setup

To,

**Sub: Invitation for Quotations for supply of Goods**

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Qty	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Opal RT OP4510 Real Time Simulator Hardware	1	30	UIET, Sector 25 Chandigarh	Yes
2	Opal RT OP4510 Real Time Simulator Software (One Core Activation).	1	30	UIET, Sector 25 Chandigarh	Yes

2. Quotation,

- 2.1 The contract shall be for the full quantity as described above.
- 2.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- 2.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
- 2.4 Applicable taxes shall be quoted separately for all items.
- 2.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 2.6 The Prices should be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation.
4. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
5. Evaluation of Quotations,  
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
  - 5.1 are properly signed ; and
  - 5.2 confirm to the terms and conditions, and specifications.
6. The Quotations would be evaluated for all items together.
7. Award of contract:  
The Purchaser will 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 will 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. Payment shall be made in Indian Rupees as follows:  
**Delivery and Installation - 90% of total cost**  
**Satisfactory Acceptance - 10% of total cost**
9. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
10. You are requested to provide your offer latest by **17:00** hours on **14-09-2016**.
11. Detailed specifications of the items are at Annexure I.
12. Training Clause (if any) **yes**
13. Testing/Installation Clause (if any) **yes**
14. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

15. Sealed quotation to be submitted/ delivered at the address mentioned below,

University Institute of Engineering and Technology, Sector-25, South Campus Panjab University  
Chandigarh

16. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

### Annexure I

Sr. No	Item Name	Specifications	Qty
1.	Opal RT OP4510 Real Time Simulator Hardware	<p><b><u>Hardware</u></b></p> <ul style="list-style-type: none"> <li>*2U Chassis</li> <li>*Intel CPU 2.3 GHz - 4 cores</li> <li>*Kintex 7 325T with PCI Express x4</li> <li>*125 GB SSD</li> </ul> <p><b><u>I/O System</u></b></p> <ul style="list-style-type: none"> <li>*OP5340-1 Analog Input Card (16 Channels, 16 bits, <math>\pm 16V</math>, 2.5 <math>\mu s</math> update)</li> <li>*OP5330-3 Analog Output Card (16 Channels, 16 bits, <math>\pm 20V</math>, 1<math>\mu s</math> update)</li> <li>*OP5353-1 Digital Input Card (32 Channels, Optocoupler, 4.5V to 30V)</li> <li>*OP5360-2 Digital Output (32 Channels, adjustable, push-pull, 5 to 30V)</li> <li>*Expansion Board (6 x Digital Differential Output and 6 x Digital Input , RS422, 5V)</li> </ul> <p><b><u>Firmware Series</u></b></p> <ul style="list-style-type: none"> <li>*16 Analog Input, 16 Analog Output</li> <li>*16 Time Stamped Digital Input, 16 Time Stamped Digital Output,</li> <li>*16 PWM Input, 16 PWM Output</li> <li>*6 Differential PWM Input &amp; 6 Differential PWM Output</li> </ul>	1
2.	Opal RT OP4510 Real Time Simulator Software (One	<ul style="list-style-type: none"> <li>* Linus OS with Real-Time Kernel and Intel C compiler</li> <li>* RT-LAB 11.x</li> <li>* Number of Core enabled :1</li> <li>* Generation of Simulink model with RTW by</li> </ul>	1

	Core Activation).	users * RT-LAB Dev 2 eHSx64 FPGA Solver cores ( Power Electronics Solver) * RT-Events blockset for real-time execution of Power Electronics Models * ARTEMIS real-time solver for SimPowerSystems * ARTEMIS-SSN option for Distiribution Grid (State-Space Nodal Solver for ARTEMIS)	
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**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_  
\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ———— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_