राजकीय इन्जीनियरिंग कालेज

कटरिया याकूबपुर, अम्बेडकर नगर (उ०प्र०) – 224122 भारत

Rajkiya Engineering College

Katariya Yakoobpur, Ambedkar Nagar, (U.P.) - 224122
AICTE APPROVED GOVERNMENT ENGINEERING COLLEGE
VIDE APPROVAL LETTER No. F. No. Northern/1-3511948247/2018/EOA DATED: 30-Apr-2018
Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow, U.P., India

स्वच्छ भारत
एक कदम स्वच्छता की ओर

Cell Phone: +91-8329196018
Website: www.recabn.ac.in
E-mail: director@recabn.ac.in

Ref. RECABN/TEQIP-III/2019/234

Date: 07.09.2019

INVITATION FOR QUOTATION FOR CASPOC SOFTWARE

Package Code: TEQIP-III/2019/UP/recn/105

Package Name: EE_CASPOC

Current Date: 07-Sep-2019

Method: Direct Contract Goods

To,

_____

_____

_____

You are invited to submit your most competitive quotation for CASPOC for the Rajkiya Engineering College. In this connection, you are invited to submit your financial offers/quotation as per the product in the given format in Annexure-II. The details of specifications is given in Annexure-I

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	CASPOC Software	1	REC, Ambedkar Nagar	Yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Quotation**

    3.1 The contract shall be for the full quantity as described above.

    3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

    3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.

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3.4   Applicable taxes shall be quoted separately for all items.

3.5   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.

3.6   The Prices should be quoted in Indian Rupees only.

4.   Each bidder shall submit only one quotation.

5.   Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.

6.   Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

   6.1   are properly signed; and

   6.2   Confirm to the terms and conditions, and specifications.

7.   The Quotations would be evaluated for all items together.

8.   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.

   8.1   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.

   8.2   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.

9.   Payment shall be made in Indian Rupees.

10.   All supplied items are under warranty of **48** months from the date of successful acceptance of items.

11.   You are requested to provide your offer latest by **04:30** hours on **13-Sep-2019.**

12.   Detailed specifications of the items are at Annexure I.

13.   Training Clause (if any) **Yes**

14.   Testing/Installation Clause (if any) **Yes**

   One week Special training for student and faculty

15.   Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

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16. Sealed quotation to be submitted/ delivered at the address mentioned below,
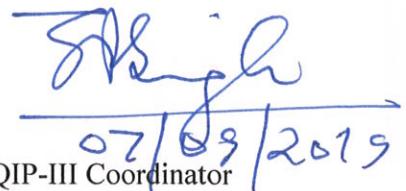
    TO
    DIRECTOR
    RAJKIYA ENGINEERING COLLEGE AMBEDKAR NAGAR
    PIN CODE-224122, UTTAR PRADESH -224122

17. Submit Proprietary certificate on the offered products from manufacturer Company/Organization duly signed along with Quotation.

18. Submit Company Authorization letter for selling in the region duly signed along with Quotation.

19. Submit Undertaking stating item not being sold below the mentioned prices anywhere in India duly signed along with Quotation

07/09/2019

TEQIP-III Coordinator

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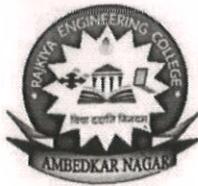Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow, U.P., India

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Annexure I

Sr. No	Item Name	Specifications
1	CASPOC Software	CASPOC Software -17 User License (16 USER Perpetual License Network Hardware Dongle Based License)+ 1 User Stand Alone Hardware Dongle for Instructor License)are for Power Electronics & Electrical Drives Software with Renewable Energy Applications-CASPOC) • The software should have the in-built schematics for modeling of Power Electronics Circuits and Drives. Edit Schematics should have the in-built functions for Editing, Selecting, Drawing wires, Editing Labels, Removing a component, Removing a node Edit parameters etc. Simulation views voltage or block output. •Facility of resizing traces, scope, changing no. of scopes, traces, viewing currents, time step, screen length, auto scaling, Numeric evaluation, exporting numerical results, XY view, DFT, Export / Import library block, printing schematics, Exporting Schematics to EMF, grid / zoom / Help / Font / Language selection. •Should be used for Simulation and modelling of DC converters, Rectifiers, AC converters, Resonant Converters. Single Phase & Three Phase Induction Machines, Vector Control, Active Filters, Harmonic, DC – Machine, Brushless- DC Stepper motors and many more. Animated breadboard to be incorporated in the components. • Power system components like Cable, compensation, DC Grid, Line, Load,Filter, Distributor, Load, Protection, LVDC source, storage, switch functions should be a part of the software. • Small-signal analysis for every type of Switched mode Power supply, even resonant converters! • Modelling language also for Microsoft Visual C. Coupling to Simulink. (A Proprietary software of Mathworks) • Interface with Matlab and Should be able to edit Matlab script from the software itself. Export Matlab script and export scope results to Matlab .mat file. • Optimize, set parameters and perform multiple simulations from the Cscript. • Block Evaluation where you can enter some C code, which is interpreted. The interpreted doesn't require a compiler, so it will be extremely handy to include some code in the model! •Improved user interface, with explorer like component and files selection. • Models for BJT, DIODE, MOSFET, IGBT and HEATSINKS. Spice Diode model with spice .Model Parameters • Direct link between the block-diagram and the circuit model, so you can solve algebraic loops. • MOSFET model with subset of the spice. Model parameters. Non-linear and temperature dependent. • Include a spice Netlist (subset), Non-linear circuit elements. • Coupling to machine design tool FEADMOS./Tesla. Directly open files from the project manager. • Table editor for

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data files. Temperature calculations for heat sinks coupled to semiconductors. •RMS and Average calculation on every trace in the scope. Look up tables 1D, 2D and multi-dimensional! • New Library blocks for control, machines, mechanical loads, gear box, inertia, etc. • Rotating of library blocks in the schematic. AC voltage and current sources predefined. • Power Electronics tools directly from Project manager. Models for Analog ICs like Op-Amp and 555, TL071, TL072, TL074, LM311, LM324,LM339,LM358, LM393, LM741, • Export of embedded C code for Microcontroller design. Export of Spice netlist from a part of the schematic to perform a detailed spice simulation based on initial conditions calculated in Caspoc. Optimized C code export, independent use on any microcontroller, DSP. Export of the C code from the control in the block diagram •Power Converters should carry models of Averaged Inverters, Inverter control, 2 Phase & 3 Phase Inverters, Single phase / 3 Phase rectifier control, 2 Phase/3Phase rectifier • Improved view of component lists. Typecast block for creating Fixed-Point simulations. •Built-in New models like Wind generator, Hydro turbine, Fuel Cell and the Solar Module, array etc for the alternative energy. Also should be included by a tutorial on Renewable Experiments with at least 20 experiment examples. • Workbooks on Caspoc Power Electronics using Caspoc with at least 90 built-in experiments • Workbook on Caspoc Electrical Drives using caspoc with at least 80 built-in experiments • Tutorial Book with at least 30 examples on Renewable Energy for Solar, Fuel, Wind Energy. • Online help should be available for the software. One set Hardcopy of User guide, reference guide, work-books, Tutorials to be supplied alongwith the software. •Warranty 48 Months. Training: 3-4 days training. 4 year warranty with MoU for regular training and support through webex, email,telephone or engineer visit onsite campus.

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Annexure-II

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)
Total Cost							

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. _____