

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF PHYSICS

POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

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NOTICE INVITING QUOTATION

Quotation Notification No. **NITK/PHY/IRG 2019-2020/FDTD/4**

Dated 24.7.2019

Name of Goods: Electromagnetic simulation software for design of Surface Plasmonic and Nanophotonic Devices

Time for Supply of item : within 30 days
after release of Purchase order

Last Date for submission of Quotation : 19.8.2019 before 3.00 PM

Address for Submission of Quotation: Prof. M.N. Satyanarayan
Department of Physics, NITK Surathkal,
Srinivasnagar PO, Mangalore-575025

Phone:0824-2474049; Mobile: +91-9686146138; Email:satya_mn@nitk.edu.in



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NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt of India , a Deemed University , imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

1. **Name of Goods** : Electromagnetic simulation software for design of Surface Plasmonic and Nanophotonic Devices
2. **Technical Specifications**: Annexed to this NIQ
3. **Time for completion of Supply after release of Purchase Order** : Within 30 days
4. **Last date at time for submission of quotation** : 19.8.2019 before 03:00 PM
- 5.. **Quotations to be submitted at the following address** :

Prof. M.N. Satyanarayan
Department of Physics, NITK Surathkal,
Srinivasnagar PO, Mangalore-575025

**Sd/-
HOD Physics**

Note: Institute shall not be responsible for any postal delay about non-receipt /non delivery of the bids or due to wrong addressee.

Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. **In case, Goods are to be Imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.** In case of import both CIF and/ or FOB rate should be quoted . All components of expenditure to arrive at Bangalore need to be explicitly specified.
- 3 The bidder shall indicate the excise duty exemption for the goods if applicable.
- 3 The institute is eligible for customs duty exemption, excise duty exemption, issuance of form D.
4. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
5. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
6. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.
7. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
8. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
9. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured	: Electromagnetic simulation software for design of Surface Plasmonic and Nanophotonic Devices
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: See below.
Quantity	: 01
Any other details / requirement	: Must be delivered on site.
Warranty Period required	: 1 year
Delivery Schedule expected after placement of Purchase order (in Weeks)	: within 30 days of issue of PO.

Technical Specifications:

1. The simulation tool must be suitable to analyze electromagnetic wave propagation in linear and nonlinear optical media for accurate component simulation such as surface plasmonic waveguides, nanophotonic devices and must provide for optical design optimization.
2. The simulation tool must be able to simulate optically large devices with far fewer computational resources than traditional methods.
3. Must provide user with the ability to model and simulate high-frequency electromagnetics in either frequency- or time-domain in optical structures.
4. Must support inhomogeneous and fully anisotropic materials, and optical media with gains or losses as well as periodic structures. Drude-Lorentz, Debye, and Sellmeier dispersion models
5. 2D and full wave 3D simulations must be possible for eigen frequency mode analysis, frequency-domain, and time-domain.
6. The user must be able to calculate, visualize, and analyze the simulation output using postprocessing tools, such as computation of transmission and reflection coefficients. The input must have Scattered field formulation for planar, cylindrical, spherical, Gaussian, or user-defined incident fields
7. Please quote for one-year, single user license presently.
8. Any other memory or processing requirement over and above the features offered by the PC (with specifications of Core i7 processor, RAM 12GB, 3.4GHz) must be specified.

PRICE SCHEDULE

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
(Conforming to the Schedule of requirements)
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder : _____

Name and Designation : _____

Business Address : _____

Place :

Date :

Seal of the Bidder's Firm

CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and Service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder : _____

Name : _____

Business Address : _____

Place :

Seal of the Bidder's Firm

Date :