INDIAN INSTITUTE OF TECHNOLOGY KANPUR
IIT Post office, Kanpur 208016, U.P
Department of Physics

<u>**Enquiry no.: PHY/RV/SFTW/DRDO/2013-14/1**</u>

<u>**Enquiry date: 10/05/2013**</u>
<u>**Closing date: 24/05/2013**</u>

Sealed quotations should reach the undersigned latest by 4.00 pm on 24th May, 2013:

Description
Simulation Software to perform FDTD calculations of band structure of photonic band gap materials containing dispersive permittivity and second- and third-order nonlinearities

The above-mentioned software should conform to the following specifications:

	Required specification
	To model the photonic band gap properties of sub-micron dielectric structures by finite difference time domain (FDTD) method including the effects of dispersion (wavelength-dependent loss) and second- and third-order nonlinearity.
	To evaluate the mode characteristics of light in different high-symmetry directions of the Brillouin zone.
	To calculate and plot equi-frequency surfaces for the photonic band gap structures
Requirement	One license - to be used only for academic work - lifetime validity
Important	Should be self-contained with its own visualization software; should provide the ability to access the raw data as well as to modify a wide range of simulation parameters.

All details as to how the quoted product satisfies the above-mentioned specifications should be attached.

RSoft CAD GUI v.9.0 software for Windows is currently available. If an **add-on module** is quoted, please specify it.

Terms and conditions:
The software should not require frequent license registration involving payment - all upgrades should be informed as and when available.
Quotations should have a validity of a minimum of 60 days.
Quotations are required in duplicate in a sealed envelope with enquiry number mentioned on the envelope. Indicate educational discounts, if any.
The rate offered should be F.O.B (specify city).

Prof. R.Vijaya   Tel: +91-512-2597552
Dept of Physics   e-mail: rvijaya@iitk.ac.in
IIT Kanpur
Kanpur 208016, U.P