

**Instrument Design Development Centre  
Indian Institute of Technology Delhi**

**Date: 04-02-2013**

**Sub: NOTICE FOR INVITING QUOTATIONS (NIQ) FOR INTERFEROMETRIC FRINGE ANALYSIS SOFTWARE.**

Instrument Design Development Centre, IIT New Delhi requires Fringe analysis interferometric software. Broad specifications of the same are described below. Kindly send Technical and commercial bids for the same in **separate sealed envelopes**. Your bids must reach the address given below on or before **24-02-2013**.

**Specifications of Components:**

S. No.	Name of item	Specifications	Qty.
1.	Interferometric Fringe analysis software with the capability of automatically recording of phase shifted interferograms and analysis	<p>The Windows based Fringe analysis software should have the following capabilities:</p> <ol style="list-style-type: none"> <li>1. Automatic data acquisition during phase shifting</li> <li>2. Automatic analysis of the fringe shifted data</li> <li>3. Analysis of single interferogram</li> <li>4. Phase shifting interferometric analysis</li> <li>5. The software should have capabilities to provide different phase shifting algorithms (e.g. four step and five step phase shifting algorithms)</li> <li>6. Phase unwrapping in a noisy phase data</li> <li>7. Able to provide Seidel and Zernike coefficient</li> <li>8. Aberration analysis</li> <li>9. Point spread function, Power Spectral Density, Modulation transfer function analysis</li> <li>10. Ability to re-analyse the data from the recorded raw data</li> <li>11. Possibility to remove tilt, defocus, coma, astigmatism, cylinder, user defined reference, residual</li> <li>12. Capabilities of Integration /support with any commercially available CMOS, CCD cameras and Phase Shifting unit</li> <li>13. Data Import / Export to Zemax, CodeV, Excel, ASCII, .bmp,.jpg,.tiff</li> <li>14. Multi-Region unwrapping &amp; masking</li> <li>15. Geometric &amp; Diffraction analysis</li> <li>16. Angle, Wedge, Radius of curvature measurement</li> <li>17. The software should have capability to manually trace and analyse complex fringes or the fringes in the presence environmental disturbances.</li> </ol>	One

**Terms and conditions covering submission of quotations:**

- Supply all technical specifications..
- Validity of the quotation should be at least for a period of three months.
- Clearly indicate whether the prices are inclusive of all taxes. Otherwise indicate all taxes separately.

- Letter from manufacturer to be attached for authenticity of dealership/agency.
- In case of proprietary item, the principals must submit a letter declaring it clearly as a proprietary item.
- The technical and financial bids should be sealed in separate envelopes before putting them together in the sealed cover.
- Payment terms: Letter of credit OR Payment against delivery (Wire Transfer after receipt of item).
- IIT Delhi reserves rights of acceptance or rejection of any or all quotations.
- Quotations should be sent to

**Dr. Gufran Sayeed Khan**  
**WS-140, IDDC, IIT Delhi**  
**Hauz Khas, New Delhi -110016, India**