Instrument Design Development Centre Indian Institute of Technology Delhi

Date:11-02-2014

Sub: NOTICE FOR INVITING QUOTATIONS (NIQ) FOR SHACK-HARTMANN SENSOR

Instrument Design Development Centre, IIT New Delhi requires Shack-Hartmann sensor. 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 **27-02-2014**.

Specifications of Components:

S. No.	Name of item	Specifications	Qty.
1.	Shack- Hartmann Sensor along with analysis software	 Detector size: 3.6 x 4.6 mm² or bigger Camera resolution: ~ 640 x 480 pixels or more Camera pixel size: ~ < 8 μm x 8 μm Number micro lenses in lenslet array: 30 x 28 or more Microlens pitch: approximately .13 x .13 mm² or smaller Focal length of each microlens: approximately 3.5 mm or better Operational wavelength range: Visible range Calibrated at wavelength: 632.8 nm (RED) Greyscales: 8 bits or higher Accuracy of the measurement (with reference): ~ λ/100 rms Angular accuracy of spots on camera: 8 μrad or better Evaluation rate: 50 Hz or higher Repeatability (rms) < ~ λ/200 USB interfaced 	One
		 The data acquisition and analysis capabilities Zernike analysis Point spread function, Modular transfer function analysis Ability to re-analyse the data from the recorded raw data Possibility to remove tilt, power, coma, astigmatism, cylinder, user defined reference, residual Data Import / Export to Zemax, CodeV, Excel, ASCII, .bmp, .jpg. MATLAB 	

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 envelops 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

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