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Inquiry No.: IITK/PHY/SAR/ 07sep2016/NCONS-1

Sealed quotations are invited for a Long Wave Infrared(LWIR) camera comprising of a uncooled microbolometer as detector on or before **21th September 2016** .

The detector should satisfy the following specifications:

Sensor Type	Uncooled microbolometer (a-Si or VOx)
Spectral Band	LWIR(8 to 14 micron)
Pixel	640*480 or Better
NETD	50 milli kelvin or less
Operating Temp	Room Temperature
Response Time	10 to 15 milli sec or less
Pixel size	20 micrometers or lesser

Imaging and Optical Data should satisfy the following specifications:

Frame Rate	30 Hertz or More
Mode of Image	Thermal
Infrared Image	Artificial Colour
Lens	Focal length of about 16mm to 20mm. FOV~30 degrees,
Working distance for lens system	100 mm to infinity
Software for image acquisition	To be specified clearly. Should be possible to convert into standard jpg / bmp formats and common video formats like mpeg.
Optical Interface	Lens mount supporting multiple Lenses
Trigger	In or Out (Configurable)
Operating Mode	Stand Alone or Computer Controlled

Please note the following essential points while preparing the quotation.

Quote should be made in two parts: Technical bid and Financial bid separately in sealed envelopes.

Financial bids for products whose technical bid is not acceptable will not be opened. Any quote

where the financial bid is included in the technical bid will be summarily rejected.

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

Any technical bid wherein only the above specified points are copied and no details about the suppliers own system are given will be summarily rejected. The supplier should necessarily give all the specifications of their own system with pictures and technical literature about their system.

If the product is proprietary, a proper certification to that effect must be made.

Authorization certificate from the Principal manufacturer should accompany the technical bid.

Firms submitting acceptable technical bids may be invited to make a technical presentation on the product to the Purchase committee in case technical clarifications are required before opening of the financial bids. The committee may choose to reject the bids of firms not making the presentation at its discretion.

Quotes should be made with options for the following delivery modes

- Ex-works for pick-up by our Institute transport provider
- FOB/FCA in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – apart from research, this equipment will be used to teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to

Prof. S. Anantha Ramakrishna
Department of Physics
Indian Institute of Technology Kanpur
Kanpur – 208016 India.

so as to reach us before **the last date, i.e., 21st September 2016**

Sincerely
S. Anantha Ramakrishna