

**INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS, NEW DELHI 110016, INDIA.**

Ref. No.: IITD/FOL/MRS

Date: 21-12-2012

NOTICE INVITING QUOTATIONS

Item Name: KTP Crystal

Due Date: 11 Jan. 2013

Quotations are invited for the purchase of a **KTP crystal**, as per the detailed specifications given below. Quotations should reach the address given below by **5 PM on 11 January 2013**.

Specifications:

Crystal	Flux grown KTP
Sellmeir's equation	$n_x^2 = 3.0065 + \frac{0.03901}{\lambda^2 - 0.04251} - 0.01327 \lambda^2$ $n_y^2 = 3.0333 + \frac{0.04154}{\lambda^2 - 0.04547} - 0.01408 \lambda^2$ $n_z^2 = 3.3134 + \frac{0.05694}{\lambda^2 - 0.05658} - 0.01682 \lambda^2$
Size	10×10×10 mm ³
Transparency range	350-3500 nm
Cut	Y-cut ($\phi=0\pm0.1$ deg), Propagation in XZ plane.
θ , the angle that normal to the input face makes with the z axis	49±0.1 deg
Coating	Two ends (perpendicular to the direction of propagation) polished with AR coating (R<1%) @ 1064 nm. Reflectivity should be <10% in the wavelength range 1.5-2µm.
Damage Threshold	>0.5 GW/cm ² , 10ns, 10 Hz @ 1064 nm
Parallelism	< 20 arc sec
Perpendicularity	< 5 arc min
Polished surface flatness	$\lambda/8$ @ 633 nm
Surface quality, scratch/dig	10/5

Note:

1. Please furnish brochure cum data sheets for the specifications of the item quoted from the manufacturer.
2. Please furnish a list of recent customers, if any, in India (Address, Email & Phone No.) where KTP crystals has been supplied.

P.T.O

TERMS AND CONDITIONS COVERING SUBMISSION OF QUOTATIONS

- 1. PRICING:** Please quote the **F.O.B.** price, and indicate separately optional **C.I.F.** charges (Air Freight), Delhi Airport/IIT Delhi.
- 2. DISCOUNT/REBATES:** Special discount/rebate wherever admissible, keeping in view that the supply is being made to an educational institution, may please be indicated.
- 3. TERMS OF PAYMENT:** Payment against delivery (Wire Transfer net 30 days on receipt of item).
- 4. VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 60 days.
- 5. DEALERSHIP CERTIFICATE:** Letter from manufacturer to be attached for authenticity of dealership/agency. Quotations without authorized dealership certificate will be rejected.
- 6. PROPRIETARY CERTIFICATE:** If the items are proprietary in nature, please furnish a copy of the certificate.
- 7. COMPLIANCE STATEMENT:** Please include a statement of compliance of all the above specifications of the item.
- 8. INSTITUTE'S RIGHTS:** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.

Quotations may please be sent to:

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