

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
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**Department of Physics**

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**Enquiry no.: PHY/OPTICS/SAR/EQP/3**

**Enquiry date: 21.5.2012**

**Closing date: 31.5.2012**

**Sealed quotations should reach the undersigned latest by 4.00 pm on 31<sup>st</sup> May, 2012 for the following items:**

<b>S.No.</b>	<b>Description</b>	<b>Quantity</b>
1	<b>Michelson interferometer (assembling type)</b>	16
2	<b>Sodium vapour lamp with housing and transformer power supply</b>	8
3	<b>Mercury lamp with power supply</b>	8

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

**(1) MICHELSON INTERFEROMETER (assembling type):**

<b>Parameter</b>	<b>Required specification</b>
Light Source	Sodium vapour lamp
Type	Individual components should be supplied that can be mounted on Honey Comb BB of size 90x60x6 (cm)
Beam splitter (BS)	Coating with metallic or dielectric thin film and one side with an AR coating
Dimension of compensating plate	50 x 40 x 10 mm (Approx) (mounted)
Dimensions of mirrors M1 and M2	30 mm diameter (mounted)
Reflection of mirrors	> 90% (mounted and front coated)
Reflection : Transmission of BS	50 : 50 (mounted)
Flatness of BS	$\lambda/4$
Mirror mounts	One to be fixed and one on a moving stage
Least count of moving stage	0.0001 mm
Travel of moving stage	At least 5 cm

**(2) Sodium vapour lamp with housing and transformer power supply**

<b>Parameter</b>	<b>Required specification</b>
Lamp power	30 W (minimum)

Lamp housing	Suitable for the lamp; adjustable slits to be provided on two opposite sides of the housing
Power supply and cords	Appropriate to the lamp

**(3) Mercury lamp with power supply**

<b>Parameter</b>	<b>Required specification</b>
Lamp power	30 W (minimum)
Lamp housing	Suitable for the lamp; adjustable slits to be provided on two opposite sides of the housing
Power supply and cords	Appropriate to the lamp

**Terms and conditions:**

Quotations should have a validity of a minimum of 60 days.

The equipment should be provided with a warranty of 1 year against manufacturing defects. Maximum possible educational discount should be specified on the quotation since all are for teaching purposes.

Quotations are required in duplicate in a sealed envelope with enquiry number mentioned on the envelope.

The delivery period should be within 40 days of placing the purchase order.

The rate offered should be F.O.R Kanpur for firms located outside Kanpur and free delivery at the Institute premises for local firms.

Institute is exempted from payment of E.Duty under notification no.10/97

Institute is entitled to avail concession rate of sales tax as admissible under Sub-sec 5 of Sec 8 C.S.T Act 1956 applicable to Educational/Research institution in inter-state purchase.