

# Nano Research Facility, IIT Delhi

## Notice for inviting quotations

Dt: 29-08-2011

Sub: Purchase of wavelength tunable monochromatic Xenon lamp assembly

Please send your quotation for purchase of above said item(s) as per specifications given below. Your quotations should reach latest by **5 PM on 12th September 2011**. Quotations are solicited only for item manufactured by reputed company with proven past record of sales, supply and after-sale service.

Xenon lamp assembly attached to a monochromator:

Lamp details :

- 75W ( or more) arc Xenon lamp 190-1200nm spectral region
- Lamp housing (including cooling arrangement, back reflector)
- beam condenser lens assembly for f/1.5
- high voltage/current Power supply suitable to above

Grating based monochromator ,fully compatible with the above lamp:

- scanning type 1/4<sup>th</sup> meter (~300mm) monochromator
- Czerny-Turner grating turnet and optical system
- Manually adjustable slits, starts from ~30 micron (with height variation from ~1 to 10mm)
- Triple grating assembly with appropriate gratings (2 Nos.
- Wavelength resolution 0.1-4nm
- monochromator Output efficiency, 80% or above
- Output monochromatic light should be more than 3mW( or better) with 5nm resolution @500nm with 1200 grv/mm grating
- Preference will be given for the highly optimised power throughput from relatively low-power lamp and monochromator assembly.
- one entrance and one/two exits
- Order sorting-filter wheel and required order sorting filters (~400nm and ~700nm) to remove higher-order effects
- USB/RS232 controlled
- Relevant software, drivers

### TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

#### 1. Technical requirements

- 1) All items are to be in metric scale only.
- 2) The quotation must contain the following details, otherwise quotation cannot be considered.
  - a. The quote must contain all the items at least in ONE category.
  - b. The technical bid must contain all the required specifications, drawings, graphs of transmission/reflection/response spectra of components if any) etc.
  - c. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India.

**2. DELIVERY:** The rates quoted must be for C.I.F. Delhi (Air Freight) ( if required)

**3. TERMS OF PAYMENT:** **100% payment on delivery and satisfactory installation**

**4. INSTITUTE'S RIGHTS :** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.

**5. VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 3 months.

**6. SUBMISSION OF QUOTATIONS:** Both Technical and price bids are to be quoted separately in separate sealed covers. Both these bids should be sent in a sealed cover marked at the top SUBJECT AND DUE DATE

**12th September 2011**

Quotations should be sent, on or before due date to:

**Dr. G. Vijaya Prakash, Associate Professor  
Department of Physics, IIT Delhi, Hauz Khas,  
New Delhi 110 016, India.**



G. Vijaya Prakash  
Associate Professor,  
Department of Physics, IIT Delhi.