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 1/4th 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.