

PART-A

SPECIFICATIONS FOR DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER.

1. Double beam Atomic Absorption Spectrophotometer with Deuterium background corrector for graphite furnace applications with Computer based operating facility with accessories and having following features:
2. Optics : Ebert-Fastie / Czerny-Turner or equivalent monochromator with **1800 lines/mm grating & focal length more than 300mm.**
3. Fully programmable computerized gas control for all gases.
4. D2 lamp background correction with 200 readings / sec. for fast correction upto 2.5Abs.
5. Fully automated **8 lamp** turret with automatic lamp optimization, alignment and peaking for maximum light throughput and optimum peaking.
6. Automatic wavelength setting in the range 175 nm. to 900 nm.
7. Automatically adjustable slit width from **0.1 to 2.0 nm in 19 steps & reduced height for each step should be available.**
8. User friendly application software
9. Calibration up to minimum 5 standards and with complete quality protocols such as check samples, best precision, best sensitivity, etc.
10. Normal electrical requirements to suit voltage between 110-240 volts AC.
11. Graphite Furnace work head with requisite power supply and automatic sample loader.
12. Super lamp Power supply for minimum **four super lamps** for higher sensitivity & accurate measurement of low concentration sample.
13. It should have **electronic sample viewing camera attachment** to get real time view of sample stages like drying, ashing & atomization for method optimization.
14. Hollow cathode lamps (HCL) for the following elements: Fe, Mn, Cu, Zn, Cd, Pb, Al, Cr, Mo
15. Super lamps (high Intensity HCL) for the following elements: Fe, Mn, Co, Ni
16. A set of graphite tubes – one pack of 10 nos.
17. Water circulation chiller suitable for use with the instrument, preferably of the same company and a compact one.
18. Latest version of PC & Printer assembly required for the operation of the instrument.
19. High purity Argon gas cylinders (2 No.s) with good quality regulators (2 No.s) with gas control unit in laboratory
20. Required Fume extraction unit

Note: The above instrument is indented in terms of “Buy back” against the old one, Model no: GBC 902 GF 2000 and Auto sampler PAL 3000 and the item can be quoted on buy back basis. In such case the buy back price and without buy back price should be quoted separately in the tender.

PART-B

TERMS & CONDITIONS

1. Tenderers must submit their quotations in the prescribed format only. Please refer to detailed terms & conditions on pages 35 & 36 of special conditions of contract (SCC).

2. All terms & conditions and other instructions are applicable for the bidders. Refer to nio Website www.nio.org under "Tenders".

3. Preparation of Bids:

Sealed bids in two envelopes are to be submitted as following:

a. **Technical Bid:** First Envelope namely Technical Bid should contain only technical specification. This envelope should also contain EMD. No commercial information that may have any financial implication will be mentioned there. This cover should be superscribed technical bid for ,Supply, Installation & Commissioning, testing support services, and maintenance of the DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER.

b. **Commercial Bid:** Second envelope namely commercial Bid will be verbatim the same as technical Bid, but it also contains the financial terms & Conditions. This cover should be super scribed commercial bid for Supply , installation and commissioning of DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER.

However, both the envelopes should be kept in a common envelope and superscribed ,Quotation for 'Supply, installation and Commissioning of DOUBLE BEAM ATOMIC ABSORPTION SPECTROPHOTOMETER against tender enquiry No. IMP/ 251/EQ/2009 and due date on 11/03/2010 . This cover should be addressed to The Director, NIO, Dona-Paula, Goa, India and Kind Attention : Stores & Purchase Officer.

4. The Bids complete in all respects and duly signed and sealed should reach office of Stores & Purchase latest by 5.00 PM on or before 10/03/2010 . This office will not be responsible for any postal/ courier delays.

5. Late / delay Quotation received after due date will be rejected summarily.

6. Fax/e-mail tenders will not be considered.

7. Only Technical Bids will be opened on 11/03/2010 at 3.00 PM . Commercial Bid will be opened of only those Tenderers whose Technical Bids will be found suitable by us. The date and timing of opening of Commercial Bids will be communicated to the successful bidders of their technical quote.

8. Commercial Bid should contain the following details:

A. For goods manufactured abroad:

i) FOB value including packing, forwarding and inland freight charges up to Gateway International Air Port.

ii) CIF Mumbai value by air freight.

iii) Please indicate the import code of the item in the quotation.

iv) Percentage & amount of Indian agency commission payable in Indian currency after the receipt of consignment in good condition at our Stores & in case of equipment after satisfactory installation, commissioning and acceptance.

v) All foreign bank charges shall be borne by the supplier.

vi) The offer should be valid for 90 days from the last date for receipt of Tender.

B. For Goods Manufactured within India.

(i) The price of the goods quoted ex works should include all duties & Taxes already paid.

(ii) The Percentage of Vat & other Taxes like Excise Duty, Service Tax which will be payable on the goods should be indicated.

(iii) The cost of inland transport, insurance, and other local services for delivery of the goods at NIO, Stores should be indicated.

9. Earnest Money Deposit:

a) The Earnest Money Deposit of **Rs. 1,00,000/- or equivalent** should be in the form of Demand Draft/International Demand Draft as the case may be from a Scheduled or Nationalized Bank drawn in favour of The Director, NIO payable at Panjim / Dona-Paula, Goa.

b) The Earnest Money of Successful Bidder on whom order is placed, will be returned after the supply, Successful installation, commissioning training and acceptance of the ordered item.

c) The Earnest Money of Unsuccessful bidder will be returned immediately after placement of order on the successful Bidder.

d) The Earnest Money of the successful bidder can be forfeited for non-execution of the order within the delivery period or on delay in executing the order or on unsatisfactory supply of the ordered item or providing unsatisfactory services.

e) Bid without valid EMD will be rejected.

f) No interest will be paid on EMD.

g) Separate EMD should be submitted in case of submission of offer for more than one item.

10. The principal manufacturer only should submit the quotation. However, if quotations are submitted by Authorized dealers/distributors, it can be acceptable only in case they attach a latest and valid authorization letter of their principals indicating that they are authorized to quote on behalf of their principals and are fully equipped to render us after sale service during warranty and thereafter.

11. Negotiation with bidders after the opening of the quotations is severely discouraged.

Therefore, the bidders are advised in their own interest to quote their best competitive/discounted offer in the first instance or maximum discount may be indicated in the quote/offer. However Director, NIO reserves the right for a techno commercial discussion.

12. Indicate the names of the Indian reputed Organizations where you have supplied the similar equipment and may attach the satisfactory performance report of the equipment from users.

13. If supplied identical or similar equipment to other CSIR/Labs/Instt., the details of such

supplies for the preceding three years should be given together with the prices eventually or finally paid.

14. Details of services to be rendered by your Principal.

15. Delivery period should be clearly indicated.

16. Details Terms including period of warranty (A minimum one year on site warranty is required).

17. Please do confirm that service manual will be supplied along with the supply of material.

18. Installation, Commissioning and satisfactory Demonstration of the whole System and Training should be free of cost.

19. Part shipment will not be allowed.

20. The Installation, Commissioning and Demonstration of the system should be completed within two weeks from the date of arrival of the items at NIO , GOA, INDIA.

21. Kindly indicate the approximate dimensions & weight of the stores/consignment:

(a) Measurement

(b) Tare Weight

(c) Net Weight

22. Freight & Insurance will be arranged by our Clearing Agent whose address will be communicated while placing Order.

23. We prefer to release the payment on BILL basis (excluding) Indian Agency Commission) after the receipt of consignment in good condition. Alternatively, depending upon the value and foreign exchange regulations the payment can also be considered through Sight Draft/Letter of Credit through the State Bank of India, Dona-Paula Branch , Goa or any other authorized bank for the order value excluding the Indian Agency Commission.

Stores & Purchase Officer

PART – C

SPECIAL TERMS & CONDITIONS

(1) **IMPORT LICENSE:** The import license is covered under Export & Import Policy 2004-2009 under chapter V para II.

(2) **Custom Duty:** Procurement is as per Registration No. TU/V/RG-CDE (130)/2006 dated 15-09-2006 of Department of Science & Technology (Ministry of Science & Technology, Government of India) and also Custom Duty Exemption in terms of Government of India Notification No.51/96- Customs dated 23-07-96 for import of stores from abroad without an import license.

(3) The price of the items should be on FOB gateway airport. Freight and Insurance should also be quoted and the price should indicate separately CIF Mumbai. However, order will be placed on FOB.

(4) Agency commission should be clearly specified.

(5) NIO has its own forwarding & clearing agents. Therefore, all consignments will be shipped through them.

(6) **TAXES/LEVIES:** All taxes, duties, levies of any kind payable in abroad if any shall be borne by the supplier.

(7) **PAYMENT:** 90% payment shall be made by Sight Draft/an Irrevocable Letter of Credit established in favour of the supplier through "State Bank of India, Dona-Paula Branch, Goa for the order value, excluding the Agency Commission due to the Agents after supply, installation & commissioning in house training to staff and satisfactory acceptance of the item. Balance 10% will be released after satisfactory acceptance and receipt of Bank Guarantee for 10% of total order value either from Principal or from their Agent towards performance security to be valid for warranty period plus two months grace period from the date of installation and acceptance. The value 10% will base on the exchange value at the time of release of 90% payment or on the date of release of 10% whichever is lower. However, L/C will be opened for the full amount.

(8) The payment of local currency portion shall be payable in equivalent Indian rupees, within 30 days after acceptance of the items and also compliance of all Terms & Conditions of our order related to it.

(9) The make/brand and name and address of the manufacturer, Country of Origin, copies of the relevant technical literature, Country of shipment and currency in which rates are quoted are to be mentioned.

(10) For Indigenous supply:

a) The quote should be FOR NIO Stores, Goa i.e. inclusive of packing & forwarding, freight, insurance charges (if any break-up prices may be indicated) otherwise the quote may not be considered for evaluation.

b) Excise Duty: please note this Institute is exempted from payment of Central Excise duty in terms of Government Notification No. 10/97-Central Excise Dated 01.03.97. Hence, quote accordingly.

c) The rate of VAT/Service Tax if applicable must be indicated clearly. This office is not eligible to issue form 'C' or 'D'.

d) Payment in Indian Rupees: 80% payment will be made of supply, installation and in-house training of staff & its satisfactory acceptance of the item in NIO Campus and balance on submission of 10% performance Bank Guarantee for total order value valid till warranty period with additional 2 months grace period.

(11) Delivery Period: 'Time is the essence'. Normally the delivery period is 3-4 weeks from the date of issue of purchase order. Delivery period should be clearly indicated.

(12) Warranty period: Normal warranty period is **One** year comprehensive from the date of supply, installation & commissioning, demonstration and its satisfactory acceptance. This must be specified clearly in technical bid.

(13) MANUALS: Instruction manuals for operation and maintenance wherever applicable should be supplied along with the equipment free of cost.

(14) SERVICE: Bidder shall be responsible for after-sales service during the warranty period and thereafter. The after-sales service to be rendered by the bidder during the warranty and thereafter should be made clear in the technical bid. The after sales service is an essential requirement to us.

(15) Bidders have to confirm that all essential spare parts of the quoted system shall be available for a minimum period of 10 years from the date of supply of the equipment in the technical bid.

(16) Bidder should submit valid documentary proof of Sales Tax/VAT/Service tax.

(17) The tenders will be received in the office of the Stores and Purchase Officer of this Institute up to 10/03/2010 at 5.00 PM and shall be opened at 3.00 PM on 11/03/2010 in the presence of the tenderer's or their authorized agents who wish to be present.

(18) The copies of the relevant technical literature should accompany the tender.

(19) The equipment is to be guaranteed for trouble free performance for a minimum period of one year after installation. The defects, if any, during the guaranteed period are to be rectified free of charge by arranging free replacement wherever necessary.

(20) Discount offered should be mentioned clearly.

(21) If already you have supplied the quoted Equipment to other reputed Indian Organizations (Government/Reputed Private Organizations) with special reference to Labs/Institute of CSIR, New Delhi then complete postal addresses of such Organizations should be given in the offer along with Telephone number, Fax number and e-mail address along with the Name and designation of the contact person there.

(22) As far as possible please submit the offer against Air Freight only.

(23) All disputes subject to Goa (India) jurisdiction only.

(24) The Director, National Institute of Oceanography , Goa reserves the right to accept any tender in full or in part or to reject the lowest or any or all tenders without assigning any reason.

Stores & Purchase officer

PART - D

CHECK LISTS & CRITICAL DATES

Before submitting your quotations please confirm the followings:

DO's	DON'TS
1. Send Quotations in 2 parts – Technical & Commercial Bids in separate covers.	1. Over Write or Correction.
2. Superscribe in the outer cover "Tender For _____" and Tender Enquiry No. _____ due on _____	2. Do not combine Commercial & Technical Bids.
3. DD for EMD amount of Rs. _____	3. Fax, Telex or E-mail quotes.
4. Separate Tender for each category.	4. Quotation after due date & time (5.00 pm).
5. Technical Literature / pamphlet should be enclosed along with the Technical Bid.	
6. Enclosed list of clients / customers	
7. Enclose authorization letter in case representing their principals	
8. Endorse your signature in the Tender.	

CRITICAL DATES

The NIO reserves the right to amend the dates shown below. The critical dates are as follows:

Date of release of the tender 18/02/2010

Last date for BID Submission 10/03/2010

Technical BID Opening 11/03/2010

