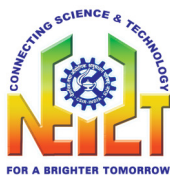


All Communication to be addressed  
to the Director, NEIST.  
With Attn: Stores & Purchase Officer

Tel; 0376 – 2372710 Fax: 2372921  
Email: [spopur@rrl.jorhat.res.in](mailto:spopur@rrl.jorhat.res.in)



**NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY**  
(Formerly Regional Research Laboratory)  
(Council of Scientific & Industrial Research)  
JORHAT-785 006, ASSAM, INDIA  
BY COURIER SERVICE / FAX

File No. 1(PEQ)/387/09-10/PUR/T-309

Date:- 16.02.10

**Note: Please send your quotation  
in sealed cover on or before 4:00  
PM 02.03.10 Quotations will be  
opened at 3:00 PM on 03.03.10**

M/s.

Dear Sirs,

Kindly arrange to send your offer in a SEALED COVER immediately quoting this office file reference to the terms & conditions overleaf:

Sl. No.	Description of Stores	Qty.
1	Microwave Solvent Extraction Unit: (As per the Detailed specifications enclosed)	1 No.

Thanking you,

Yours faithfully,

STORES & PURCHASE OFFICER

**DETAILED SPECIFICATIONS**

<b>Specifications:</b>
Sophisticated Microwave System, Equipped with various components for applications such as High Pressure Acid digestion, Solvent Extraction, Leaching, chemical synthesis (liquid phase & solid phase) and work – up such as reactions in pre-pressurized vessels, high pressure / high temperature chemistry, parallel synthesis and filtrations, evaporation, drying, etc.
■ Dual magnetron system with continuously adjustable focused microwave power output (Approximate power range 50 to 1400W in well – defined incremental steps of power, preferably 1 watt steps)
■ Pulsed and un-pulsed microwave power control over the power range with precise irradiation control.
■ Large, illuminated corrosion free chamber walls (specify volume in Litr, may be approximately 50 Litr.) with no visible or electronic components inside the chamber.
■ Heavy duty multi-layer fluoropolymer coating for easy cleaning and corrosion resistance. Resealing stainless steel safety door for control of over – pressure and safe release of over-pressure. Pressure safety for the system as well as for the ambience is a must.
■ The built – in exhaust and cooling system with reduced total process time, reduced material stress and safe and convenient venting of vessels inside the oven.
■ Operation volume approximately 0.1 – 3.0 ml per vial of size 10 to 100 ml maximum (minimum 1 & maximum 16 Numbers of Vial) with pressure resistant glass or other suitable material.
■ An easy & intuitive multitasking software control of the system. Spill proof key panel.
■ Built – in standard & optimized methods library is to be provided.
■ All data / programming are to be displayed on a large, bright graphic 17 inch LCD monitor of P C.
■ P C connection with a suitable PC and LaserJet printer for sample documentation and soft – storage of experimental procedure.
■ I R Temperature Sensor and pressure control of the equipment: Precise and fast I R – Sensor unit for measurement of the bottom temperature of all vessels for extraction / reaction control and thermal protection. The temperature measurement should be directly on the surface of the liner in the range from 20°C to 40°C approximately. Controllable pressure in the extraction / reaction vessel up to 1 to 80 bar approximately. The system should be able to be operated at maximum pressure and Temp simultaneously with proper safety to the system as well as ambience.
■ Built in magnetic stirring device for offered number of vials 16 PTFE – coated stir bars and a magnetic stir bar retriever. Rotation speeds controlled by software at 200 – 400 rpm approximately.
■ Working with liquid phase: The system should have proper device to prevent loss of low boiling / volatile reactant or solvent and substrates from extraction / reaction vessels. As for example if we do reaction/extraction with water, there should not be any loss of water from the reaction/extraction vessels at above 100 degree C. during and at the end of reaction or extraction. At the same time, proper safety to the system as well as ambience and operating scientists is a must. Experiments should also be reproducible at the specified temperature and pressure.
■ Suitable voltage stabilizer for the equipment operable at 230 VAC 50 Hz.
<b>OPTIONAL ITEMS:</b>
1. Sturdy glass and PTFE reaction vessels
2. If any other essential items required for operation of the instrument, please specify.
<b>IMPORTANT:</b>
■ Users Scientist should be able to perform both solid and liquid phase chemistry with the system at any temperature in the specified range of temperature and pressure controlled by microprocessor. Adequate safety measures must be provided for high temperature experiments. Acids , Solvent and liquid substrates should not have chance for release to the ambient atmosphere from the system.
■ Complete system with sufficient number of spares for operation o f the system and preferably warranty for additional period of 3 years is requested. Annual maintenance charges after warranty years should be mentioned and should be valid for the offered period. Spares should be Available for at least 10 additional years.
■ Party should supply original brochure along with the quotations.

STORES &amp; PURCHASE OFFICER

**TERMS & CONDITIONS**

The Quotation/Proforma Invoice should show the following information and also accompany the relevant technical literature:

1. Director, NEIST, JORHAT invites sealed bids separately for each item in **two parts (Techno commercial Unpriced & priced bid)**
2. Interested Bidders may obtain further information from the office of the **Stores & Purchase Officer, NEIST, JORHAT, ASSAM.**

**3) SPECIFICATIONS:** Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our technical specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the bidder eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the bidder/manufacturer and the specifications mentioned in the quotation must be reflected/supported by the printed technical leaflet/ literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc., to the quoting party.

**4) PRICES:** a. The prices quoted should clearly indicate whether FOB/CIF etc., In case, the prices are quoted in foreign currency, it must be on FOB price.

b. In case of domestic, the offer should contain the basic price and percentage of Excise Duty separately since we are exempted from payment of Excise Duty.

**5) TAXES:** The percentage rate of sales tax, resale tax, VAT, duties/levies and any other charges etc, should be clearly indicated in the tender, wherever chargeable. The packing charges must also be indicated separately.

**6) CUSTOMS AND EXCISE DUTIES:** Our Institution is eligible from payment of concessional custom duty and exempted from payment of excise duty vide Government notification No: 51/96-Customs dated: 23<sup>rd</sup> July 1996 and Central excise duty exemption in terms of notification 10/97 Central Excise dated 01<sup>st</sup> March 1997.

**7) EARNEST MONEY DEPOSIT:** The offer should be enclosed with Earnest Money Deposit of **Rs. 40,000/-** (Rupees Forty thousand Only) in the form of Crossed Demand Draft drawn in favour of "**Director, NEIST, JORHAT**" issued by Scheduled/Nationalized Bank payable at JORHAT, India along with offer. Offer without EMD or EMD in the form of Cheque / Cash will not be considered and will be rejected. **No Interest would be paid on the Earnest Money Deposit.**

**8) EXEMPTION OF EMD:** Indian firms registered with Directorate General of Supplies & Disposals and National Small Scale Industries Corporation may be exempted from payment of EMD if the product being quoted is actually manufactured by them and the product is registered with these agencies. Firms registered with agencies selling products of other companies and not manufacturing the products being quoted by them are not allowed exemption from payment of EMD. Firms are to submit a legible photocopy duly attested, of Registration Certification of the products manufactured and registered with DGS&D and NSIC for availing EMD exemption before opening of Techno-Commercial Bids, Otherwise tender submitted by them will not be considered and summarily rejected.

**9) FORFEITURE OF EMD:** The earnest money deposited will be forfeited if the supplier withdraws or amends impairs and derogates from the offer in any respect within the period of validity.

**10) REFUND OF EMD:** EMD will be refunded within fifteen days after placement of purchase order.

**11) PAYMENT:** The payment against import of items shall be made with the following options. The quoting party must confirm one of the options in the quotation:

- 90% Payment shall be made after delivery, satisfactory installation, commissioning, demonstration and final acceptance of the ordered items, through foreign demand draft within 30 (Thirty) days and the remaining 10% payment will be made after the completion of warranty period. **(Or)**
- 100% payment will be made after receipt of material in good working condition and satisfactory installation/commissioning/demonstration provided the supplier submits along with the acceptance of purchase order, a performance bank guarantee or establishes a Standby Letter of Credit (SLOC) through an Indian/foreign scheduled bank in favour of the Director, NEIST, JORHAT for 10% of FOB value valid for a period of eighteen months (where warranty period is one year). **(Or)**
- Letter of Credit will be opened for 100% FOB value. 90% of LC amount shall be released on presentation of complete and clear shipping documents and remaining 10% after satisfactory installation/commissioning/demonstration provided the supplier submits along with the acceptance of purchase order, a performance bank guarantee through an Indian/foreign scheduled bank in favour of the Director, NEIST, JORHAT for 10% of FOB value valid for a period of eighteen months (where warranty period is one year).

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

**12) INCOTERMS:**

All terms used in the Supply order/contract will have the meaning as described in the **"INCOTERMS-2000"**.

**13)** Please indicate the name and address of your Indian Agent. Please also indicate the amount of Agency Commission payable to your Indian Agent which will be paid to them in equivalent Indian Currency after the receipt of the consignment in good condition at our Stores and in case of equipment after the satisfactory installation and commissioning. Indian Foreign Exchange & Regulations Act do not permit the Foreign Bidders to include Indian Agency Commission, discount or like rebates allowed in their quoted FOB value, payable to their Indian Agents directly by them in their currency. Such commission, discount etc. if any must be reflected in your offer so that the same can be deducted by us from the quoted FOB value.

**14)** Details of services to be rendered by your Indian Agent.

**15)** 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.

**16)** If you have 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.

**17)** Fax/e-mail tenders will not be considered.

**18)** Delivery period & Detailed Terms including period of warranty.

**19)** Please do confirm that service manual shall be supplied along with the supply of material.

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

**21)** Conditional discount will not be considered

**22)** Part shipment will not be allowed.

**23)** The offer should be valid for **90 days**.

**24)** Late / delay Quotation received after due date will be rejected summarily.

25) The Installation, Commissioning and Demonstration of the system should be completed within two weeks from the date of arrival of the items at NEIST, JORHAT. (The place of installation will be communicated later).

26) Kindly indicate the approximate dimensions & weight of the stores/consignment:

(a) Measurement; Tare Weight; Net weight

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

28) FOB Rates must be given for any of the following Gateway International Airports.

<u>COUNTRY</u>	<u>GATEWAY</u>	<u>COUNTRY</u>	<u>GATEWAY</u>
	<u>INTERNATIONAL AIRPORT</u>		<u>INTERNATIONAL AIRPORT</u>
Germany	Frankfurt	Australia	Sydney
Japan	Tokyo	Austria	Vienna
Hongkong	Hongkong	Belgium	Brussels
UK	London	Denmark	Copenhagen
USA	New York	Netherlands	Amsterdam
Switzerland	Zurich/Geneva	Canada	Toronto
Singapore	Singapore (Changi Airport)	Italy	Rome/Milan
France	Paris	Korea	Seoul

29) **Acceptance quotation: The acceptance of quotation will rest with the DIRECTOR, NEIST, JORHAT who does not bind himself to accept the lowest quotation and reserves the right to himself to accept or reject partially the quotations received, without any assigning any reason whatsoever.**

**NOTE: THIS IS ONLY AN ENQUIRY AND HENCE PLEASE DO NOT DESPATCH THE GOODS UNTIL YOU RECEIVE A FIRM PURCHASE ORDER**

**STORES & PURCHASE OFFICER**