

**Ref. No.:** 14-VI/AD(783)2015PB/T-104

**IMPORTANT INSTRUCTIONS FOR THOSE VENDORS WHO ARE  
APPLYING IN RESPECT OF LIMITED + WEB TENDER ENQUIRY AFTER  
DOWNLOADING FROM NPL WEBSITE.**

Interested manufacturers/ their authorized vendors having capability of proper supply/installation of required items as per enquiry can also submit their offer directly on the basis of website tender in the manner prescribed in such tender enquiry uploaded on NPL website [www.nplindia.org](http://www.nplindia.org).

In such cases, the tenderer has to **attach invariably a copy of the enquiry downloaded from the NPL website** duly stating in covering letter that the enquiry is downloaded by them and also **attached VENDOR DECLARATION FORM** as per annexure 'A'; failing which the offer not be considered.

**VENDOR'S DECLARATION FORM**

*[The interested vendor shall fill in this form and should submit along with tender document without fail. This should be done on the letter head of the firm]*

1. Vendor's Legal Name :

2. Vendor's actual or intended Country of Registration :

3. Vendor's Legal Address in Country of Registration :

4. Vendor's Authorization Representative Information

Name :

*Designation* :

Address :

Telephone/Fax numbers:

Email Address :

5. Please provide following details in reference of firm, as applicable

TIN NO. :

PAN NO. :

TAN NO. :



**CSIR-NATIONAL PHYSICAL LABORATORY**  
(Council of Scientific & Industrial Research)  
**Dr. K. S. Krishnan Marg, Near Pusa Campus,**  
**New Delhi-110 012.**

From : Director  
CSIR-National Physical Laboratory

<b>Tender No.:</b> 14-VI/AD(783)2015PB/T-104	<b>Date:</b> 28.01.2016
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To

Dear Sirs,

We are interested to purchase the following items from the reputed Indian/Foreign Manufacturers or their Sole Authorized Dealers/Distributors/Agents. Kindly send us the Quotations/Performa invoice in closed/sealed covers with wax/cello tape/ company seal indicating minimum delivery period. The sealed envelope containing your quotation super scribed with our reference no., Due Date of Tender and addressed to Director, NPL should reach this office latest by **18.02.2016 upto 5.00 PM (IST)**. The quotations will be opened on **19.02.2016 at 2.30 P.M (IST)**. onwards in the presence of supplier's representative who wish to present themselves at that time.

Sr. No.	Required items with detailed specification	Qty.	SB/TB
1.	<b>High Temperature Furnace , Max Temp 1600 Deg Celsius with specifications as attached annexure "A".</b>  <b>Note:</b> 1. A Price reasonability certificate may be submitted stating that you will not sell the item less than the quoted price to NPL. 2. Please attach clear copies of last two supply order of the Identical model to support price reasonability 3. All the bidders should quote price for each and every item alongwith consolidate price. This tender enquiry is also available on NPL website <a href="http://www.nplindia.org">www.nplindia.org</a> under Tender link.	One	<b>SB</b>

➤ *Please see reverse of the page for terms & conditions*

Yours faithfully,

\* SB: Single Bid **SB: Single Bid**

Section Officer (S&P)

E-MAIL: [spo@nplindia.org](mailto:spo@nplindia.org)

Telefax: 011-45608645, Fax: 91-11-45609310

## TERMS & CONDITIONS

1. Your prices/rates must be on FOB/FCA basis up to international Airport including inland freight/ P&F/documents etc.
2. Freight and insurance will be arranged by NPL.
3. The mode of dispatch to be followed by you must be indicated and tentative size and weight of consignment may also be indicated in the quotation.
4. **PERIOD OF DELIVERY:** The delivery period is the essence of supply; hence it must be indicated specifically in the quotation. Please note that delivery period in case of sight payment, will be determined from the date of Order acknowledgement, which has to be submitted within 21 days of the placement of purchase order. In the case of supplies against LC payment the date of delivery will commence from opening of clear LC.
5. All bank charges in the exporting country will be on the exporters account.
6. The exporters will provide an Inspection Certificate in respect of inspection of material, along with the shipping documents free of charge failing which our bankers will not release the payment.
7. The blue/catalogue/pamphlets/literature and Instruction Manual must be attached along with your quotation/performs invoice.
8. The shipment through courier services will not be accepted in normal circumstances.
9. The shipment must be effected through our consolidation agent. The details of our consolidation agent will be indicated in our order.
10. **PAYMENT :** (a) **The payment for imported goods shall be made through irrevocable L/C :100% out of which 90% shall be released against presentation of complete shipping documents & 10% after installation of goods at NPL. Alternatively 100% Th. TT after installation of goods at NPL.**  
(b) The payment against indigenous supplies shall be made direct to the suppliers through RTGS : 100% shall be released on bill basis after installation of material at NPL.
11. **AUTHORIZATION OF INDIAN AGENTS & INDIAN REPRESENTATIVE:**
  - a. In case there is involvement of an /Indian agent/representative in any form as mentioned at (b) below, an authority letter / copy of agreement from the principal manufacturer must be submitted with the quotation.
  - b. Where quoting party/Indian representative claims to be the subsidiary or branch office or an authorized representative of the principal foreign manufacturer/supplier in India, then a copy of approval from RBI/Ministry for operating business in India as Subsidiary/Branch/Liaison office or Joint-Venture may be submitted with offer.
12. **COMMENCEMENT OF WARRANTY PERIOD :** The warranty period, if any, of an item shall commence from the date of satisfactory installation at the project site in National Physical Laboratory, New Delhi.
13. **INSTALLATION & TRAINING :** to be arranged by supplier/its Indian agent immediately of receipt of goods but not later than sixty days of receipt of goods at NPL.
14. **PENALTY CLAUSE :** In case of delay in supply on part of the supplier, a penalty @ 0.5% per week subject to maximum 10% of Order/FOB value will be charged for delayed period both in delivery & installation.
15. **DISPUTE SETTLEMENT:** *The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.*  
*The dispute settlement mechanism/arbitration proceedings shall be concluded as under:*
  - (a) *In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director General, Council of Scientific & Industrial Research and if he is unable to unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.*
  - (b) *In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.*  
*The venue of the arbitration shall be the place from where the purchase order or contract is issued.*

*Notwithstanding any reference to arbitration herein,*

  - (a) *The parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and The purchase shall pay the Supplier any monies due the Supplier.*

**Specifications for High Temperature Box Furnace:**

- Temperature-Max.1600 °C or more & with Continuous Operation temperature: 1550 °C.
- Non-rust Textured Stainless steel casing box furnace.
- PID based Microprocessor temperature controller with LCD display with data input by numeric pad. Should have facility for at-least 9 Programs with 40 Steps each; Temperature & time value entry in steps of 1°C & 1minute respectively; Status messages not as codes but as clear texts. With start time configurable; Operating hour counter; auto tune function; Temperature variable as °C & °F; kWh meter; Real time clock; Skip-button for segment jump.
- SiC heating elements with easy replacement of heating rods with special snap in design & High-quality fibre material for furnace Chamber for the high working temperature.
- Double-walled casing for low external temperatures and high stability with Lift up door with hot surface facing away from the operator.
- Switching system with semiconductor relay, power tuned to the SiC rods.
- Over-temperature limit controller with adjustable cutout temperature for thermal protection
- Chamber volume  $\geq$  8 litre; with outer dimensions of furnace less than W 500 x D 650 x H 600 mm
- Heating time to maximum temperature in less than 50 Minutes.
- Heating capacity 13.5 kW & 400 V AC / 50 Hz / 3-phase machine.
- Weight  $\leq$  60 kg
- Protective Gas connection, Gas Inlet valve & outlet valve, connection in furnace housing and protective gas flow meter (Ar) for controlled environment inside chamber. Proper shutoff valve and flow meter with control valve gas outlet valve, piped and ready to connect.

**Pre-Qualification criteria:**

- Vendor must have supplied at least 10 similar furnaces to IITs, IISERs OR other institutes of national repute in the past 5 years. Please attach the reference list of 10 such users with phone numbers and email addresses.
- OEM Manufacturer must be an ISO-9001 company & equipment must be with CE compliance. Please attach both certificates with original catalogue.
- Please attach Principals Exclusive Authorization Certificate for this tender.
- Machine must have a warranty of at least 1 year.
- Furnace installation by the vendor and training to NPL staff member at NPL site