



सेन्टर फॉर मेटिरियल्स फॉर इलेक्ट्रॉनिक्स टेक्नोलॉजी (सी-मेट)
CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)
 (Scientific Society, Ministry of Electronics and Information Technology (MeitY), Govt. of India)
 IDA PHASE – III, CHERLAPALLY, HCL (PO), HYDERABAD – 500 051
 Phone: +91-40-27265587, 27267006 Fax: +91-40-27261658 Web: www.cmet.gov.in

ENQUIRY LETTER

No. C-MET/HD/SP-41/HTMF/18/2020-21/11886

Date: 15.07.2020

Subject: Procurement of 'High Temperature Muffle Furnace' – Regarding

Due date/CLOSING for receipt of the quotations	06	08	2020	TIME BY: 15.30 hours
DATE OF OPENING OF TECHNICAL BID	07	08	2020	TIME BY: 11.30 hours

Sir,

Sealed quotations conforming to the specifications are invited for the following item(s). Quotation may please be submitted, keeping in view, the terms and conditions given below and overleaf, otherwise quotations will be rejected.

S. No.	Description of the item	Quantity	Specifications
01	High Temperature Muffle Furnace	1 No.	As per 'Annexure – I' enclosed

Terms & Conditions:

- C-MET is registered under Department of Scientific and Industrial Research (DSIR) and eligible for concessional GST rates @ 5% for Research Institutions as per Notification No. 45/2017- Central Tax (Rate) dated 14.11.2017 and Notification No. 10/2018-Integrated Tax (Rate) dated 25.01.2018. The requisite certificate for availing concessional GST Rate along with documents will be provided.
- PERFORMANCE SECURITY DEPOSIT:** Within 21 days of the receipt of notification of award of purchase order / contract from C-MET, the Bidder shall furnish a Performance Security Deposit equivalent to 10% of the contract value, if the order value is more than ₹5.00 lakhs.

Note:

- The envelope super-scribed with [a] Quotation No. [b] Due Date & [c] Description of the Item and be sent to the undersigned before the due date.
- The Technical & Financial bids should be in separate sealed covers. Combined quotations will be REJECTED.
- The quotation should be submitted in the enclosed format only.
- The Enquiry Letter No. & date should be clearly indicated in the quotation, otherwise quotation will be rejected.
- Firms or their authorized representatives will not be allowed at the time of opening of **Combined/Technical bids on 07.08.2020 at 11:30 hours**. If there is any delay in opening of technical bids will be intimated to all bidders.
- These details are also available in our website: <http://www.cmet.gov.in> & CPPP Portal.

Thanking you,

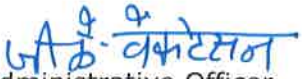
Yours faithfully,

(G.K.VENKATESAN)
 Administrative Officer
venkatesan@cmet.gov.in

Encl.: As above.

Specific terms and conditions to the tender:-

1. Please submit the Technical Details/Catalogue/Data Sheets.
 2. The offer should be valid for a period of 90 days from the date of opening of Tender.
 3. Please send the quotations ONLY in 'SEALED COVER' indicating our tender enquiry No. and due date by Hand/speed post/courier so as to reach us on or before the due date & time. C-MET will not be responsible for any postal delays.
 4. **E-Mail/fax quotations 'WILL NOT BE ACCEPTED'.**
 5. **All Tax invoices shall invariably bear your GST Registration No. (GSTIN) and the applicable GST rates. In the absence of which, the invoice(s) shall not be processed for payment.**
 6. Our standard delivery term is FOR, C-MET. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.
 7. **PAYMENT OF GST/IGST:** C-MET is registered under Department of Scientific and Industrial Research (DSIR) and eligible for concessional GST rates @ 5% for Research Institutions as per Notification No. 45/2017- Central Tax (Rate) AND 47/2017 - IT(Rate) both dated 14.11.2017. The requisite certificate for availing concessional IGST/GST Rate along with documents will be provided. **PAYMENT OF CUSTOM DUTY:** We are ELIGIBLE for concessional custom duty @ 5.15% as per DSIR issued certificate in terms of **Notification No. No. 51/96-Customs dated 23.07.1996** and necessary exemption certificate shall be issued upon request.
 8. Our standard payment term is 100% within 30 days for indigenous orders and sight draft for foreign orders. Firm should provide Bank details for RTGS remittance.
 9. **Liquidated Damages:** – The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire stores is supplied, installed and accepted.
 10. **Security Deposit:-** The successful tenderer should submit Security Deposit@10% of the order value by way of Bank Guarantee /FC Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs. 200/- Non Judicial Stamp paper and should be valid beyond 2 months from the completion of all contractual obligations.
Note: Clause NO. 9 & 10 are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit.
 11. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre/ Udyog Adhar / NSIC Registration Certification along with your offer.
 12. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
 13. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.
 14. **Price Reasonability Certificate:** Prescribed form enclosed.
 15. **Detailed information regarding previous supply of similar item:** Prescribed form enclosed
 16. **Manufacturer's authorization letter:** A copy of **manufacturer's authorization letter** for participating in the bid should be attached.
- NOTE: Bidder should sign on each of the page as read and accepted thereof with signature and official stamp of the firm.**


Administrative Officer
C-MET, Hyderabad

CHECK LIST

Documents to be submitted along with the bids
(TECHNICAL BID)

S No	Description	Yes/No	Page No
1	Covering/introduction letter from the Firm referring to C-MET's tender enquiry No and date towards participation in the tender		
2	Acceptance of terms & conditions of tender enquiry		
3	Signed copy of tender enquiry		
4	Price Reasonability Certificate		
5	Bid form and Price schedule with commercial terms WITHOUT PRICE		
6	Bid form and Price schedule for Optical Accessories WITHOUT PRICE		
7	Manufacturer's Authorization letter		
8	Previous experience details alongwith documents like PO/WO etc. (not more than 3 years old)		
9	Undertaking and declaration		
10	Technical compliance statement with/without deviation		
11	Technical brochure of the Product offered or drawings		
12	GST Registration certificate or No		
13	Bank details for NEFT/RTGS		
14	Warranty		

**Documents to be submitted alongwith Commercial bids
(PRICE BID)
(Separate sealed cover)**

S No	Description	Page No
1	Bid form and Price schedule with commercial terms WITH PRICE	
2	Bid form and Price schedule for Optical Accessories WITH PRICE	



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Annexure – I

Technical Specification for High temperature Muffle furnace

Scope: The High temperature Muffle furnace is to be designed and fabricated to take care of load, capacity and temperature uniformity as per detailed specifications. Inert atmosphere provision shall be provided. Muffle materials are Silicon Carbide plates. The party has to supply, install and commissioning of high temperature Muffle furnace (Max. Temp: 1450 °C)

Muffle chamber Size	~ 56 liters or more (Size: ~400 (W) x 350 (H) x 400 (D) (mm)
Maximum temperature	Maximum 1450°C
Continuous operating temperature (with no load condition)	1400°C
Temperature controller accuracy	±1°C
Time to reach maximum temperature	≤ 3.5 hrs.
Heating elements	Silicon Carbide heating elements
Power Supply	440V ±10; AC 50Hz (5 tolerance), 3 Ph.
Door system	Insert- type swing-aside parallel moving
Furnace excess temperature controller	Safety Power Cut off for heating elements. Safety switch for the door opening and alarm shall be provided
Thermocouple type and number	One number R type housed in protective Alumina sheath
Body construction	MS Body fabricated from MS Sheet with a thickness of around 1.5 mm, Powder coated for superior finish. Double layer steel body with outer fan cooling for low surface temperature and long life of refractory.
Charge weight	Max. 20 kg
Skin Temperature at 1350°C	<Ambient+15 °C
Power & Temperature control	Eurotherm make Thyristor unit controller using Microprocessor based digital PID temperature programmer controller of reputed make (Eurotherm/ Yokogawa) with minimum 4 recipes each of 16 free segments, and 0-5 V output for the Thyristor system. Platinum Rhodium thermocouple. RS 485 Provision
Power Rating	≤ 11 kW
Furnace lining	Internal refractory lining made of Hot Face Bubble Alumina/ alumina fiber Refractory insulation backed by low heat capacity refractory and ceramic fiber insulation of different grades from reputed manufactures like Cumilag or similar with fan cooling for low skin temperature. Density of the refractory shall be furnished in the offer.

Outer dimensions W x H x D (mm)	Outer dimensions W x H x D (mm) Approx 750 x 840 x 750 without stand
Control panel	Stand alone control panel to be provided with necessary switches, current, energy and voltage meters, indicating lamps, temperature controllers, temperature indicators etc.
Schematic Diagram	Party shall provide schematic diagram of the furnace describing arrangement of the heating elements, lining, chamber details etc.
Warranty	One year from the date of installation & commissioning
Other details	<ul style="list-style-type: none"> • The furnace shall be fabricated neatly with control panel having necessary controls, switches, indicators and cooling fan. • Front plate shall be sufficiently thick and door shall have a gasket to minimize the heat leakage. • An exhaust vent system shall be there in the furnace to remove the fumes generated in the furnace. • Gas purge provision shall be provided • The furnace shall be coated with an environment-friendly, heat resistant powder-coating. • All bought out items to be of reputed make, and shall be mentioned in the offer. • Furnace shall be designed for easy replacement of heating elements
Optional accessories (To be quoted Separately)	1) One set Spare Silicon Carbide heating elements 2) One Eurothem make PID Controller 3) One No. R Type thermocouple 4) Any Other essential optional accessories/spares

General Requirements:

1. Details of installations: Party must have the prior experience of manufacturing & supply of similar type of furnaces. Give details of the number of installations in India, particularly in Hyderabad (mention the contact telephone numbers and addresses)
2. Warranty: 12 months onsite warranty from the date of installation and commissioning of the system.
3. Site and power requirements: Party shall submit the prerequisites including site and power point requirements well in advance before supply of the system
4. Sets of all manuals: Detailed Operation, maintenance and drawings (one hard copy and a soft copy) including troubleshooting shall be provided with the system.
5. Submission of Tenders: The interested parties shall submit their quotations by answering point by point as per tender requirement.

Note to the bidder:

1. Bidders can offer their standard model close to tender specification by indicating their model number
2. Catalogue/leaflet of the manufacturer shall be provided including the proposed furnace
3. Bids with payment terms in INR only accepted. Bids with Foreign Currency will be rejected as non-responsive.

(in the company letter head)

BID FORM AND PRICE SCHEDULE

Tender Reference No. : ENQ. NO.: C-MET/HD/SP-41/HTMF/18/2020-21/ **11886**
Date : 15.07.2020

Name of the Stores/
Goods/Equipment : DESIGN, SUPPLY, INSTALLATION &
COMMISSIONING OF **HIGH TEMPERATURE**
MUFFLE FURNACE

Sl. No.	Description	HSN/SN CODE	Qty.	Amount(₹)
1	DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF HIGH TEMPERATURE MUFFLE FURNACE		1 No.	
	Freight charges			
	Insurance			
	Installation charges			
	Taxable value			
	GST			
	GRAND TOTAL			

(Rupees _____ only)

1. Payment Terms:
2. Bid Validity:
3. Delivery Schedule:
4. Place of delivery: C-MET, HYDERABAD
5. Warranty, if applicable:
6. Any other relevant information:

Signature of Tenderer _____

Name _____

Seal of the Tenderer _____

Date:

Place:

(in the company letter head)

BID FORM AND PRICE SCHEDULE FOR OPTIONAL ACCESSORIES

Tender Reference No. : ENQ. NO.: C-MET/HD/SP-41/HTMF/18/2020-21/11886
Date : 15.07.2020

Name of the Stores/
Goods/Equipment : DESIGN, SUPPLY, INSTALLATION &
COMMISSIONING OF HIGH TEMPERATURE MUFFLE
FURNACE – **Optional Accessories**

Sl. No.	Description	HSN/SN CODE	Qty.	Amount(₹)
1	DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF HIGH TEMPERATURE MUFFLE FURNACE – Optional Accessories			
	(i) Spare Silicon Carbide heating elements		1 set	
	(ii) Eurothem make PID Controller		1 no.	
	(iii) R Type thermocouple		1 no.	
	(iv) Any Other essential optional accessories/spares			
	Taxable value			
	GST			
	GRAND TOTAL			

(Rupees _____ only)

Signature of Tenderer _____

Name _____

Seal of the Tenderer _____

Date:

Place:

(in the company letter head)

COMPLIANCE STATEMENT IN R/O COMMERCIAL TERMS

Tender Reference No. : ENQ. NO.: C-MET/HD/SP-41/HTMF/18/2020-21/ **11886**
Date : 15.07.2020

Name of the Stores/
Goods/Equipment : DESIGN, SUPPLY, INSTALLATION &
COMMISSINING OF **HIGH TEMPERATURE**
MUFFLE FURNACE

Sl. No.	Description	C-MET Terms	Accepted / Not Accepted	Remarks
1	Payment Terms	100% payment within 30 days against receipt, installation, commissioning, training and acceptance of material in good condition by NEFT/RTGS subject to submission of BG for 10% of basic cost covering warranty period/ extended warranty period		
2	Bid Validity	120 days		
3	Delivery Schedule	within 12 weeks from the date of placing Purchase Order		
4	Place of delivery	C-MET, Hyderabad		
5	Warranty	12 months onsite warranty from the date of installation & commissioning of the system		
6	Any other relevant information			

Signature of Tenderer _____

Name _____

Seal of the Tenderer _____

Date:

Place:

(in the company letter head)

**PREVIOUS EXPERIENCE DETAILS
(LAST 3 YEARS)
{01.04.2017 to 31.03.2020}**

S. No.	Name of System	Name, address, e-mail and mobile no.	Purchase Order No. & Dt.	Delivery due date as per PO	Actual date of delivery	Date of installation and commissioning
(1)	(2)	(3)	(4)	(5)	(6)	(7)

Signature of Tenderer _____

Name _____

Seal of the tenderer _____

Date:

Place:

(in the company letter head)

BIDDER'S DETAILS

1	Name of the supplied/party/firm	
2	Name of the authorized representative	
3	Communication address	
4	Telephone Nos	
5	Mobile Nos	
6	Fax and e-mail address	
7	Web address	
8	Bank details for payment through NEFT/RTGS	
9	Name of Bank	
	Branch	
	Account No	
	IFSC No	
	MICR No	
	Cancelled cheque for verification of above details	

(Signature & seal of the bidder)

(in the company letter head)

PRICE REASONABILITY CERTIFICATE

It is certified that the rates quoted _____ are not more than as charged to other Govt. /PSU's for similar supplies made in recent past. Copies of the supply orders received from other Govt/PSU's are enclosed alongwith the technical bid.

Signature of Tenderer_____

Name_____

Business Address_____

Seal of the Tenderer_____

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

To,

Date:

The Administrative Officer
C-MET, IDA Phase III
Cherlapally,
Hyderabad 500 051

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No. _____ dated _____

Name of the Tender/Work:

Sir/Madam,

I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' for the web site(s) namely:

_____ as per your advertisement, given in the mentioned website(s)/enquiry letter.

2. I/we hereby certify that I/we have read the entire terms & conditions of the tender documents from Page No. _____ to _____ (including all documents like Annexure(s), schedules(s), etc.) which form part of the contract agreement and I/We shall abide hereby by the terms/conditions/clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/organization too have all been taken into consideration, while submitting this acceptance letter.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document (s)/Corrigendum(s) in its totally/entirely.

5. In case any provisos of this tender are found violated, then your Department/Organizations shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

Name & Signature of the Supplier/Contractor/
Authorized signatory with Official stamp/seal

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

UNDERTAKING/ DECLARATION

I/We having our office at _____ declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

2. I/We, _____ hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

3. I/We _____ hereby accept to provide Warranty/Guarantee, additional Warranty, Comprehensive AMC

4. This is also certified that the rates quoted in the financial bid are not more than the rates charged from any other Institution/Department/ Organization in the last six months. No Other charges would be payable by the Institute.

5. I/We _____ have gone through the terms and conditions and will abide by them as laid down above. I hereby undertake that the information provided above and elsewhere in the tender is true and the tender is liable to rejection if the same is found to be false or the information is found to have been suppressed by me.

Name & Signature of the Supplier/Contractor/
Authorized signatory with Official stamp/seal



PERFORMANCE SECURITY DEPOSIT:

On acceptance of Tender, the Contractor shall, within 21 days of the receipt of notification of award of purchase order / contract from C-MET, the Bidder shall furnish a Performance Security Deposit equivalent to 10% of the contract value in any one of the forms as given below:

- i. Call Deposit Receipt or Pay Order or Demand Draft duly endorsed in favour of 'C-MET'.
- ii. Bank Guarantee from a Nationalized/Scheduled Bank in favour of 'C-MET' irrevocable and operative for the entire period starting from acceptance of the contract ending 60 days after completion of the warranty period or 20 months, whichever is longer.
- iii. In case the vendor/supplier/contractor would like to submit security performance security Deposit by Bank guarantee (BG), then the original BG shall be routed through the banker to Purchaser directly by registered post with acknowledgement due. In case the BG is handed over to the vendor/supplier/contractor by the bank for any genuine reasons, the BG issuing branch shall immediately send an unstamped duplicate copy of the BG directly to Purchaser by registered post with acknowledgement due with the covering letter to verify the BG issued by us and confirm that it is in order. The vendor/supplier/contractor shall comply this provision meticulously.
- iv. Fixed Deposit Receipt issued by Nationalized/Scheduled banks endorsed in favour of 'C-MET Hyderabad'.
- v. The Performance Security Deposit is required towards fulfillment of the Purchase order / Contract obligations. This Security Deposit will be forfeited in case the successful Bidder fails to execute the Purchase order/ Contract.
- vi. Failure of the successful Bidder to comply with the requirement of the Sl.No. 28 can constitute sufficient grounds for the annulment of the award in which event C-MET may call for new bids.
- vii. If the Contractor is called upon by the Purchase to deposit "Security" and the Contractor fails to provide the Security within the period specified such failure shall constitute a breach of Contract and the Purchaser shall be entitled to make other arrangements for the re - purchase of the stores contracted for at the risk and expense of the Contractor in terms of Sl. No. 10(ii)(c) hereof and/or recover from the Contractor damages arising from such cancellation. No claim shall lie against the Purchaser either in respect of interest if any due on Security Deposit or depreciation in value.

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY DEPOSIT

To

The Administrative Officer
C-MET, IDA Phase-III
Cherlapally, HCL Post
Hyderabad – 500 051
Andhra Pradesh, India

WHEREAS _____ (Name and address of the supplier)
(Hereinafter called "the supplier") has undertaken, in pursuance of contract
no _____ dated _____ to supply (description of
goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier
shall furnish you with a bank guarantee by a scheduled commercial bank recognized
by you for the sum specified therein as security for compliance with its obligations in
accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on
behalf of the supplier, up to a total of _____ (Amount of the
guarantee in words and figures), and we undertake to pay you, upon your first
written demand declaring the supplier to be in default under the contract and without
cavil or argument, any sum or sums within the limits of (amount of guarantee) as
aforesaid, without your needing to prove or to show grounds or reasons for your
demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier
before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of
the contract to be performed there under or of any of the contract documents which
may be made between you and the supplier shall in any way release us from any
liability under this guarantee and we hereby waive notice of any such change,
addition or modification.

This guarantee shall be valid up to 20 (twenty) months from the date of Notification
of Award i.e up to ----- (indicate date)

.....
(Signature with date of the authorized officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

Technical compliance statement in r/o HIGH TEMPERATURE MUFFLE FURNACE

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
1.	Muffle chamber Size	~ 56 liters or more (Size: ~400 (W) x 350 (H) x 400 (D) (mm)				
2.	Maximum temperature	Maximum 1450°C				
3.	Continuous operating temperature (with no load condition)	1400°C				
4.	Temperature controller accuracy	±1°C				
5.	Time to reach maximum temperature	≤ 3.5 hrs.				
6.	Heating elements	Silicon Carbide heating elements				
7.	Power Supply	440V ±10%; AC 50Hz (5 tolerance), 3 Ph.				
8.	Door system	Insert- type swing-aside parallel moving				
9.	Furnace excess temperature controller	Safety Power Cut off for heating elements. Safety switch for the door opening and alarm shall be provided				
10.	Thermocouple type and number	One number R type housed in protective Alumina sheath				
11.	Body construction	MS Body fabricated from MS Sheet with a thickness of around				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
		1.5 mm, Powder coated for superior finish. Double layer steel body with outer fan cooling for low surface temperature and long life of refractory.				
12.	Charge weight	Max. 20 kg				
13.	Skin Temperature at 1350°C	<Ambient+15°C				
14.	Power & Temperature control	Eurotherm make Thyristor unit controller using Microprocessor based digital PID temperature programmer controller of reputed make (Eurotherm/ Yokogawa) with minimum 4 recipes each of 16 free segments, and 0-5 V output for the Thyristor system. Platinum Rhodium thermocouple. RS 485 Provision				
15.	Power Rating	≤ 11 kW				
16.	Furnace lining	Internal refractory lining made of Hot Face Bubble Alumina/ alumina fiber Refractory insulation backed by low heat capacity refractory and ceramic fiber insulation of different grades from reputed manufactures like Cumilag or similar with fan cooling for low skin temperature. Density of the refractory shall be furnished in the offer.				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
17.	Outer dimensions W x H x D (mm)	Outer dimensions W x H x D (mm) Approx 750 x 840 x 750 without stand				
18.	Control panel	Stand alone control panel to be provided with necessary switches, current, energy and voltage meters, indicating lamps, temperature controllers, temperature indicators etc.				
19.	Schematic Diagram	Party shall provide schematic diagram of the furnace describing arrangement of the heating elements, lining, chamber details etc.				
20.	Warranty	One year from the date of installation & commissioning				
21.	Other details	<ul style="list-style-type: none"> The furnace shall be fabricated neatly with control panel having necessary controls, switches, indicators and cooling fan. Front plate shall be sufficiently thick and door shall have a gasket to minimize the heat leakage. An exhaust vent system shall be there in the furnace to remove the fumes generated in the furnace. Gas purge provision shall be provided The furnace shall be coated 				

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
		with an environment-friendly, heat resistant powder-coating. <ul style="list-style-type: none"> All bought out items to be of reputed make, and shall be mentioned in the offer. Furnace shall be designed for easy replacement of heating elements 				
22.	Optional accessories (To be quoted Separately)	1) One set Spare Silicon Carbide heating elements 2) One Eurothem make PID Controller 3) One No. R Type thermocouple 4) Any Other essential optional accessories/spares				
	General Requirement					
23.	Details of installations: Party must have the prior experience of manufacturing & supply of similar type of furnaces. Give details of the number of installations in India, particularly in Hyderabad (mention the contact telephone numbers and addresses)					
24.	Warranty: 12 months onsite warranty from the date of installation and commissioning of the system.					
25.	Site and power requirements: Party shall submit the prerequisites including site and power point requirements well in advance before supply of the system					

Sl. No.	Description	Technical Specification	Specifications of quoted Model	Compliance whether "YES" OR "NO"	Deviation, if any, to be indicated in unambiguous terms	Remarks
26.	Sets of all manuals: Detailed Operation, maintenance and drawings (one hard copy and a soft copy) including troubleshooting shall be provided with the system					
27.	Submission of Tenders: The interested parties shall submit their quotations by answering point by point as per tender requirement					
28.	Bids with payment terms in INR only accepted. Bids with Foreign Currency will be rejected as non-responsive					

Signature of Tenderer _____

Name _____

Business Address _____

Seal of the tenderer _____

Place:

Date: