

सेन्टर फॉर मेटिरियल्सं फॉर इलेक्टॉनिक्स टेक्नोलाजी (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/HTF/19/2020-21/1/889

Date: 15.07.2020

Subject: Procurement of 'High Temperature Furnace' – Regarding

DATE OF OPENING OF TECHNICAL BID	07	08	2020	TIME BY:12.00 hours	
quotations		บช	2020	TIME BY:15.30 hours	
Due date/CLOSING for receipt of the		00	2020	7714E DV 4E 00 L	

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	1 No.	As per 'Annexure – I'
	Furnace		enclosed

Terms & Conditions:

- (a) 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.
- (b) **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:

- (i) 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.
- (ii) The Technical & Financial bids should be in separate sealed covers. Combined quotations will be REJECTED.
- (iii) The quotation should be submitted in the enclosed format only.
- (iv) The Enquiry Letter No. & date should be clearly indicated in the quotation, otherwise quotation will be rejected.
- (v) Firms or their authorized representatives will not be allowed at the time of opening of <u>Combined/Technical bids</u> on 07.08.2020 at 12:00 hours. If there is any delay in opening of technical bids will be intimated to all bidders.
- (vi) 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.
- 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	7.	
	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		
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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IDA PHASE – III, CHERLAPALLY, HCL (PO), HYDERABAD – 500 051

Phone: +91-40-27265587, 27267006 Fax: +91-40-27261658 Web: www.cmet.gov.in

Annexure - I

Technical Specification for High Temperature Furnace

Scope: Design, supply, installation and commissioning of High Temperature Furnace (Max T: $1800 \, ^{\circ}\text{C}$)

Working volume	~ 40 liters or more (Size: ~300 (Width) x 300 (Height) x 450(Depth) (mm)
Temperature	Maximum 1800 °C
Continuous operating temperature (No load condition)	1700 °C
Temperature controller	±1°C
Rate of heating (°C per minute) in no load condition	Maximum: Up to 1000 °C with 15 °C/min From 1000 °C to 1800 °C with 10 °C/min
Heating element	High-quality Molybdenum-Disilicide (MoSi ₂) heating elements rated for 1800 °C (Sweedish make).
Power Supply	415V±10V; AC 50Hz (5% tolerance) 3 Ph.
Door system	Insert- type swing-aside parallel moving
Charge weight	Max. 20 kg
Construction	Corrosion resistant CRC powder coated double-walled steel casing with additional cooling, using fan for low exterior temperature.
Skin Temperature	Ambient + 15°C
Power & Temperature control	Eurotherm Thyristor unit controlled using Microprocessor based digital PID temperature programmer controller of reputed make (Eurotherm/ Yokogawa) with minimum 4 recipes each of 16 free segments, and 0.1-5 V output for the Thyristor system. Platinum Rhodium thermocouple to be implant at side opposite to front door.
Control panel	Provision for measurement of current, voltage and energy
Power Rating	≤ 16 kW
Weight of the furnace	≤400 kg
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 with fan cooling for low skin temperature. Density of the refractory shall be furnished in the offer.
Contact resistance between heating element and power supply	Ohmic contact resistance
Furnace excess temperature controller	Safety Power Cut off for heating elements
Outer Dimensions	Not more than 750 x 900 x 1110 mm (WxDxH)

Warranty	1 year from the date of installation & commissioning		
	 Detailed maintenance and operational manual (one hard copy, and a soft copy) including troubleshooting shall be provided with the system. 		
Other details	 The bid shall include, a) make and model of subsystem (bought out items) b) make and model offered c) schematic sketch of proposed system d) Party shall give requirement from C-MET for successful installation and commissioning e) Provision should be there for easy replacement of heating elements 		
	 The furnace should be fabricated neatly with control panel having necessary controls, switches, indicators and cooling fan. Front plate should be sufficiently thick and door should 		
	have a gasket to minimize the heat leakage • An exhaust vent system should be there in the furnace to remove the fumes generated in the furnace. • Atmosphere control facility		
	 The furnace should be coated with an environment-friendly, heat resistant powder-coating. All bought out items to be of reputed make 		
Optional accessories (to be quoted separately)	 One set Spare MoSi₂/super kanthal (sweedish make) heating elements Other essential 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.

BID FORM AND PRICE SCHEDULE

Tender Reference No.

ENQ.

NO.: C-MET/HD/SP-41/HTF/19/2020-21///889

Date : 15.07.2020

Name of the Stores/

Goods/Equipment

Place:

: DESIGN, SUPPLY, INSTALLATION &

COMMISSINING OF HIGH TEMPERATURE

FURNACE

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

(R	upees	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:		

BID FORM AND PRICE SCHEDULE FOR OPTIONAL ACCESSORIES

Tender Reference No.

ENQ.

NO.: C-MET/HD/SP-41/HTF/19/2020-21/1889

Date : 15.07.2020

Name of the Stores/ Goods/Equipment

: DESIGN, SUPPLY, INSTALLATION &

COMMISSINING OF HIGH TEMPERATURE FURNACE

- Optional Accessories

SI. No.	Description	HSN/SN CODE	Qty.	Amount(₹)
1	DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF HIGH TEMPERATURE FURNACE - Optional Accessories			
	(i) Spare MoSi ₂ /super kanthal (sweedish make) heating elements		1 set	
	(ii) Any Other essential optional accessories/spares			
	Taxable value			
	GST			
	GRAND TOTAL			

(Rupees		only)
	Signature of Tenderer	
	Name	
	Seal of the Tenderer_	
Date:		
Place:		

COMPLIANCE STATEMENT IN R/O COMMERCIAL TERMS

Tender Reference No.

ENQ. NO.: C-MET/HD/SP-41/HTF/19/2020-21/11889

Date : 15.07.2020

Name of the Stores/ Goods/Equipment

: DESIGN, SUPPLY, INSTALLATION &

COMMISSINING OF HIGH TEMPERATURE

FURNACE

SI. 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 4 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 and commissioning of the system		
6	Any other rele	vant information		

	Signature of Tenderer
	Name
	Seal of the Tenderer
Date:	
Place:	

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

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

	Signature of Tenderer	
	Name	
	Seal of the tenderer	
Date:		
Place:		

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)

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 rec	ent
past. Copies of the supply orders received from other Govt/PSU's are enclosed	sed
alongwith the technical bid.	
Cignature of Tandouar	
Signature of Tenderer	_
Name	
Business Address	
Seal of the Tenderer	

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

To,

The Administrative Officer	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 documen mentioned `Tender/Work' for the web site(s) namely:	t(s) for the above
as per your advertisement, given in the mentioned website	e(s)/enquiry letter.
2. I/we hereby certify that I/we have read the entire tender documents from Page No to (Annexure(s), schedules(s), etc.) which form part of the contains abide hereby by the terms/conditions/clauses contains	including all documents like ontract agreement and I/We
3. The corrigendum(s) issued from time to time by yo too have all been taken into consideration, while submitting	
4. I/We hereby unconditionally accept the termentioned tender document (s)/Corrigendum(s) in its total	
5. In case any provisos of this tender are for Department/Organizations shall without prejudice to any liberty to reject this tender/bid including the forfeiture of deposit absolutely.	other right or remedy be at
	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 Gov	
State/Central PSU.	•
2. I/We, hereby by me/us in this offer are true to the be understand and accept that, if at any me/us are found to be incorrect o disqualification from this tender and also arise due to the above, besides being black	st of my/our knowledge and I/We stage the information furnished by r false, I/We am/are liable for liable for any penal action that may
3. I/We Warranty/Guarantee, additional Warranty, C	hereby accept to provide Comprehensive AMC
4. This is also certified that the rates quother than the rates charged from any other in the last six months. No Other charges w	Institution/Department/ Organization
have have been as laid descriptions and will abide by them as laid descriptions and elsew tender is liable to rejection if the sain after the sain of	own above. I hereby undertake that here in the tender is true and the me is found to be false or the

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



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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 anyone of the forms as given below:

- 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 SI.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 SI. 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

То
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

Page 16 of 20

(TO BE SUBMITTED ALONG WITH TECHNICAL BID)

(in the company letter head)

Technical compliance statement in r/o HIGH TEMPERATURE FURNACE

Remarks												
Deviation, if any, to be indicated in unambiguous terms												
Compliance whether "YES" OR "NO"												
Specifications of quoted Model												
Technical Specification	~ 40 liters or more (Size: ~300 (Width) x 300 (Height) x 450(Depth) (mm)	Maximum 1800 °C	1700 °C	±1°C	Maximum: Up to 1000 °C with	15 °C/min	From 1000 °C to 1800 °C with 10 °C/min	High-quality Molybdenum- Disilicide (MoSi ₂) heating elements rated	415V±10V; AC 50Hz (5% tolerance) 3 Ph.	Insert- type swing-aside parallel moving	Max. 20 kg	Corrosion resistant CRC
Description	Working volume	Temperature	Continuous operating temperature (No load condition)	Temperature controller	Rate of heating (°C	per minute) in no	load condition	Heating element	Power Supply	Door system	Charge weight	Construction
SI. No.	. .	2.	3.	4	5.			9.	7.	œ.	9.	10.

Remarks																			
Deviation, if any, to be indicated in unambiguous terms																			
Compliance whether "YES" OR "NO"																			
Specifications of quoted Model																			
Technical Specification	powder coated double-walled steel casing with additional cooling, using fan for low exterior temperature.	Ambient + 15°C	Eurotherm Thyristor unit controlled using Microprocessor	based digital PID temperature programmer controller of	reputed make (Eurotherm/ Yokogawa) with minimum 4	recipes each of 16 free	segments, and 0.1-5 V output	Thyristor	Platinum Rhodium	thermocouple to be implant at side opposite to front door.	Provision for measurement of	current, voltage and energy < 16 kW	≤400 kg	Internal refractory lining made	Face Bubble	insulation backed by low heat	capacity refractory and	ceramic fiber insulation of	different grades from reputed manufactures like Cumilad
Description		Skin Temperature	Power & Temperature control								Control panel	Dower Pating	Weight of the	Furnace lining					
SI. No.		11.	12.								13.	14	15.	16.					

Remarks						
Deviation, if any, to be indicated in unambiguous terms						
Compliance whether "YES" OR "NO"						
Specifications of quoted Model						
Technical Specification	with fan cooling for low skin temperature. Density of the refractory shall be furnished in the offer.	Ohmic contact resistance	Safety Power Cut off for heating elements	Not more than 750 x 900 x 1110 mm (WxDxH)	1 year from the date of installation & commissioning	 Detailed maintenance and operational manual (one hard copy, and a soft copy) including troubleshooting shall be provided with the system. The bid shall include, a) make and model of subsystem (bought out items) b) make and model offered c) schematic sketch of proposed system d) Party shall give requirement from C-MET for successful installation
Description		Contact resistance between heating element and power supply	Furnace excess temperature controller	Outer Dimensions	Warranty	Other details
SI. No.		17.	18.	19.	20.	21.

Remarks			
Deviation, if any, to be indicated in unambiguous terms			
Compliance whether "YES" OR "NO"			
Specifications of quoted Model			
Technical Specification	and commissioning e) Provision should be there for easy replacement of heating elements The furnace should be fabricated neatly with control panel having necessary controls, switches, indicators and cooling fan. Front plate should be sufficiently thick and door should have a gasket to minimize the heat leakage An exhaust vent system should be there in the furnace to remove the furnace to remove should be coated with an environment-friendly, heat resistant powder-coating. All bought out items to be of reputed make	 One set Spare MoSi₂/super kanthal (sweedish make) heating elements Other essential accessories/ spares. 	rement
Description		Optional accessories (to be quoted separately)	General Requirement
SI. No.		22.	

<u>S</u>	Description	Technical Specification	Specifications of	Compliance	Deviation, if any, to	Remarks
Š.			quoted Model	whether "YES" OR "NO"	be indicated in unambiguous terms	
23.	Details of installations	Details of installations: Party must have the prior				
	experience of manufac	cturing & supply of similar type				
	of furnaces. Give detail	of furnaces. Give details of the number of installations				
	in India, particularly in	in India, particularly in Hyderabad (mention the				
	contact telephone numbers and addresses)	nbers and addresses)				
24.	Warranty: 12 months	Warranty: 12 months onsite warranty from the date				
	of installation and com	of installation and commissioning of the system				
25.	Site and power require	Site and power requirements: Party shall submit the				
	prerequisites including site and power point	site and power point				
	requirements well in a	requirements well in advance before supply of the				
	system					
26.	Sets of all manuals: Do	Sets of all manuals: Detailed Operation, maintenance				
	and drawings (one har	and drawings (one hard copy and a soft copy)				
	including troubleshoot	including troubleshooting shall be provided with the				
	system					
27.	Submission of Tenders	:: The interested parties shall				
	submit their quotation	submit their quotations by answering point by point				
	as per tender requirement	nent				
28.	Bids with payment teri	Bids with payment terms in INR only accepted. Bids				
	with Foreign Currency	with Foreign Currency will be rejected as non-				
	responsive					

Signature of Tenderer	Name	Business Address	Seal of the tenderer

Place: Date: