

CORRIGENDUM

With reference to following bid document which was published on 26th June, 2023 on **GeM Portal (Bid No.: GEM/2023/B/3579233)** and on **Institute's Website** (i.e. www.iitgn.ac.in) by Indian Institute of Technology Gandhinagar, the following amendment is issued.

Sr. No.	Bid Particulars	Bid Details
1	Title	Vertical Medium Gas Furnace and Horizontal Medium Gas Furnace for Firestop Testing
2	GeM Bid Number	<u>GEM/2023/B/3579233</u>

Sr. No.	Clause Reference (A)	Existing Specifications (B)	Revised Specifications (C)
1	Technical Specification (Specification Document) Page No. 2 of Annexure-I Clause No.:- 1.1.5 Pressure inside the furnace	It should be possible to achieve and maintain a specified pressure in the range of 2.5 Pa to 10 Pa.	It should be possible to achieve and maintain a specified pressure in the range of 2.5 Pa to 20 Pa.
2	Technical Specification (Specification Document) Page No. 4 of Annexure-I Clause No.:- 1.1.13 Type of fuel and burners	Two burners of adequate capacity shall be provided (on the back wall of furnace).	Two burners of adequate capacity shall be provided (at the back end of the side walls for vertical furnace; at the lower end of side walls for horizontal furnace – so that the flame does not touch the samples being tested).

The above mentioned existing specification clause in column B stands deleted and bidder are advised to bid as per revised specification in column C.

All other **technical specifications** and **other terms & conditions** will remain **unaltered** as published in earlier advertisement.

Annexure-II**Bidder Eligibility Criteria**

Vertical and Horizontal medium furnaces for firestop testing

2 Procurement related requirements

2.1 General

- Two-bid system for procurement.
- Pre-bid meeting date & time (in online mode): **05.07.2023 (03:00 pm to 04:00 pm)**
- The prospective bidder(s) willing to participate in the Pre-bid meeting may register by sending email to purchase@iitgn.ac.in latest by **04.07.2023, 04:00 pm**
- Bids will be accepted after the pre-bid meeting.

2.2 Eligibility criteria

The following shall be considered as part of eligibility requirements:

- Supply and installation of at least one similar furnace within India:
 - gas fired furnace
 - time-temperature curve following the standard fire curve (ISO 834, IS 3809, ASTM E119)
 - a minimum heated volume of 1.5 m³
- The bidder's average annual financial turnover including GST during the last three financial years, i.e. 2020-21, 2021-22, and 2022-23 duly audited by the CA should be a minimum of 25 crores. Moreover, the firm/company should not be a loss-making company in two of the last three financial years. The details needed to be filled and endorsed by the Chartered Accountant as per 'FORM B' (attached) are required to be submitted along with the technical bid.
- The bidder should have the latest solvency certificate of Rs. 2 crores issued by a nationalized/scheduled bank. The certificate needs to be the latest and not older than 6 months to be reckoned from the date of tender.
- The bidder should submit all the relevant documents which support the above eligibility criteria. In the absence of the relevant document, IITGN will not consider the bid for further evaluation.
- Bidders who do not qualify the eligibility criteria will not be included in the technical evaluation.

2.3 Technical compliance matrix for vertical furnace

S.No.	Technical Specification	Desired Values	Numerical Values and other Information	Whether Comply (Yes/No)
1	Furnace dimensions			
	Total Height (m)	Maximum 2.5		
	Total Width (m)	Maximum 2.0		

	Total Depth (m)	Maximum 2.0		
	Inner height (m)	1.5		
	Inner width (m)	1.0		
	Inner depth (m)	1.1		
2	Type of fuel	PNG		
3	Type of burners	Premixed		
4	Number of burners	2		
5	Exhaust treatment system as per emission norms	Required		
6	Detachable frame for mounting test specimen	Required		
7	Number of thermocouples used for temperature control	4		
8	Number of thermocouples for specimen temperature monitoring	20		
9	Temperature rise to follow standard fire curve for a 4 hour test duration	Required		
10	Pressure as indicated in specifications	Required		
11	Outside temperature rise of furnace skin during operation (°C)	Maximum 60		
12	Safety features	Required		
13	Integrated control and data acquisition system	Required		
14	Sampling rate for data acquisition (Samples / minute)	Minimum 6		
15	DAQ as per minimum requirements mentioned	Required		

2.4 Technical compliance matrix for horizontal furnace

S.No.	Technical Specification	Desired Values	Numerical Values and other Information	Whether Comply (Yes/No)
1	Furnace dimensions			
	Total Height (m)	Maximum 2.0		
	Total Width (m)	Maximum 2.0		
	Total Length (m)	Maximum 2.0		
	Inner height (m)	1.1		
	Inner width (m)	1.1		
	Inner length (m)	1.1		
2	Type of fuel	PNG		

3	Type of burners	Premixed		
4	Number of burners	2		
5	Exhaust treatment system as per emission norms	Required		
6	Detachable frame for mounting test specimen	Required		
7	Number of thermocouples used for temperature control	4		
8	Number of thermocouples for specimen temperature monitoring	20		
9	Temperature rise to follow standard fire curve for a 4 hour test duration	Required		
10	Pressure as indicated in specifications	Required		
11	Outside temperature rise of furnace skin during operation (°C)	Maximum 60		
12	Safety features	Required		
13	Integrated control and data acquisition system	Required		
14	Sampling rate for data acquisition (Samples / minute)	Minimum 6		
15	DAQ as per minimum requirements mentioned	Required		

***The technical compliance matrix must be filled by the bidder and relevant documents (i.e. catalogue, literature, etc.) should be submitted**

***In any of the documents submitted as part of the technical bid (e.g. catalogue, literature, etc.), prices of equipment/components should not be mentioned.**

2.5 Bidder and technical evaluation criteria

Bidder evaluation (10 points)			
S.No	Particulars	Points System	Max. Points
1	Number of years the bidder has been engaged in manufacturing of such furnaces. Relevant documents to be attached for proof.	>= 10 years 6 points 5 to <10 years 5 points 3 to <5 years 4 points 1 to <3 years 2 points <1 year 1 point	6
2	Number of furnaces (at least 1.5 cubic meter heated volume with temperature rise following the standard fire curve) supplied. PO must be attached as proof.	>= 4 4 points 1-3 points equal to the number of furnaces supplied will be given 0 Not Eligible	4
	Bidder Evaluation. Total Points Awarded (A)		10
Technical Evaluation (10 points)			
	Negative deviations cited in the technical compliance sheet submitted by the bidder as assessed by the technical committee	None 10 points Moderate 5 points High 0 points	10
	Technical Evaluation. Total Points Awarded (B)		10
Presentation Evaluation			
	Clarity of technical details pertaining to combustion and control system	Excellent 5 points Very good 4 points Good 3 points Poor 0 points	5
	Clarity of technical details pertaining to construction materials and methods		5
	Quality management plan		5
	Safety features included with the proposal		5
	Technical Evaluation. Total Points Awarded (C)		20
Total Points Awarded (A + B + C)			40
Note: The bidder must score a minimum of 15 out of 20 points in [A (bidder evaluation) + B (technical evaluation)] and a minimum of 12 out of 20 points in [C (presentation evaluation)] to qualify. The financial bids, for the bidders who do not qualify, will not be opened.			

2.6 BOQ

Sr. No.	Item	Delivery Period (Days)	Amount in Rupees (to be quoted by the vendor)
1	Vertical Medium Gas Furnace for Firestop Testing (including 1-year DLP (to start after the completion of installation & commissioning) & taxes, handling, delivery, and other charges)	154	<i>* This table of financial offer is stated for reference purpose only and please do not disclose any price here at the time of submission of this document.</i>
2	Horizontal Medium Gas Furnace for Firestop Testing (including 1-year DLP (to start after the completion of installation & commissioning) & taxes, handling, delivery, and other charges)	154	
3	Year – I of AMC (to start at the end of DLP)	884	
4	Year – II of AMC (to start at the end of Year – I of AMC)	1249	
5	Year – III of AMC (to start at the end of Year – II of AMC)	1614	
6	Year – IV of AMC (to start at the end of Year – III of AMC)	1979	

* For L1 ☐ Total price of items Sr. No. 1 to 6 will be considered.

* Bidders not quoting for the full AMC period of 4 years will be disqualified.

* Delivery period includes delivery, installation, commissioning, and training/demonstration at the IITGN site.

3 Arrangements after the release of PO

The successful bidder will seek approval of the good for construction drawings of the furnace before commencing the work. The bidder will facilitate visit(s) of IIT Gandhinagar representatives (if needed) to their facility to carry out inspection of the furnace before its

dispatch. The installation of the furnace at IIT Gandhinagar shall be deemed completed only after successful demonstration of achieving all the mentioned technical specifications.

Other Terms and Conditions

1	Payments	- Advance payment of 20% (against corresponding BG) of equipment 1 & 2 (vertical & horizontal gas furnace) after the release of PO, upon receiving requisition from vendor. - 50% payment of equipment 1 & 2 (vertical & horizontal gas furnace) to be released after receipt of all materials/equipment at IIT Gandhinagar. - Balance 30% payment of equipment 1 & 2 (vertical & horizontal gas furnace) to be released after successful commissioning and demonstration of the furnace at IIT Gandhinagar (against 10% PBG).
2	Warranty	- One-year defect liability period (DLP) will be applicable from the date of successful commissioning and demonstration. 10% PBG will be held until the end of defect liability period. During DLP period, minimum 2 visits from the vendor's technical team (regardless of whether there is a defect or maintenance requirement) will be required for routine checks and preventive maintenance of the equipment. - Terms of DLP and AMC are mentioned separately.
3	Delivery Period (including delivery, installation, commissioning, and training/demonstration at IITGN site.)	- Materials/equipment should be delivered within 16 weeks from the date of PO. - FOR at IIT Gandhinagar. - Delivery charges are inclusive. - The installation team should be deputed at IIT Gandhinagar within 2 weeks from the date of delivery and readiness of the installation site. - Installation and commissioning should be completed within 4 weeks from the deputation of installation team at IIT Gandhinagar. - The vendor needs to provide adequate training at IIT Gandhinagar to the nominated person(s) of IIT Gandhinagar at their cost. IIT Gandhinagar will not bear any training or living expenses in this regard. The vendor should arrange for regular visits to IIT Gandhinagar campus by its technical team and assist in the maintenance of the item/equipment within the warranty period (DLP and

		AMC). Assistance limited to locking companies with the manufacturers will not be considered sufficient.
4	Tax and TDS	Any taxes and TDS on the purchase of items/services shall be applicable as per the prevailing government rules.

Note: The bidder should ensure that the final invoice will be uploaded on GeM only after the successful completion of delivery, installation, commissioning, and training/demonstration at IITGN site.

Terms of Defect Liability Period (DLP)

1. The vendor will depute the service/support engineer within 48 hours after lodging a complaint regarding the equipment.
2. The DLP covers two mandatory preventive maintenance visits from the vendor per year for routine checks and preventive maintenance. In case of a breakdown,
 - a. if a routine visit is pending, IIT Gandhinagar can utilize the same and there will not be any additional visit charges,
 - b. if the issues are not resolved in a single visit, subsequent visits in regard to the same issue will not be counted within the same visit.
3. All software updates and upgrades will be provided at no additional cost during DLP.
4. The DLP includes repairs/replacement of any part(s) found defective due to manufacturing defects.
5. The DLP does not include repairs of any part(s) found defective due to misuse, accident, fire, power fluctuations and damage by rodents or other unforeseen causes. Under such circumstances, the vendor shall submit a quotation with the charges for repairs of such part(s) to the extent of damages before undertaking the actual rectification. In this case, the spares and stores related to the equipment will be chargeable as per the requirements of the repair of the equipment. However, such replacement of parts need approval from IIT Gandhinagar.
6. In case of unsatisfactory service, IIT Gandhinagar reserves the right to terminate the DLP at any stage and recover the losses from the PBG/withheld amount, as may be applicable.

Terms of Annual Maintenance Contract (AMC)

1. The vendor will depute the service/support engineer within 48 hours after lodging a complaint regarding the equipment.
2. The AMC covers three mandatory preventive maintenance visits from the vendor per year for routine checks and preventive maintenance. In case of a breakdown,
 - a. if a routine visit is pending, IIT Gandhinagar can utilize the same and there will not be any additional visit charges,
 - b. if the issues are not resolved in a single visit, subsequent visits in regard to the same issue will not be counted within the same visit
3. All software updates and upgrades will be provided at no additional cost during AMC.

4. The AMC does not include repairs of any part(s) found defective due to misuse, accident, fire, power fluctuations and damage by rodents or other unforeseen causes. Under such circumstances, the vendor shall submit a quotation with the charges for repairs of such part(s) to the extent of damages before undertaking the actual rectification.
5. The spares and stores related to the equipment will be chargeable as per the requirements of the repair of the equipment. However, such replacement of parts need approval from IIT Gandhinagar.
6. In case of unsatisfactory service, IIT Gandhinagar reserves the right to terminate the AMC at any stage and recover the losses from the PBG/withheld amount, as may be applicable.
7. Payment of the AMC will be done annually after the completion of the corresponding AMC period.

FORM B

FINANCIAL INFORMATION

(To be filled by bidder in Organization letterhead)

Details to be furnished duly supported by figures in Balance Sheet/Profit and Loss Account for the last three financial years (FY 2020-21, 2021-22 & 2022-23) as per Audit report (if applicable) and duly certified by the Chartered Accountant.

Particulars	Financial Year		
	2020-21	2021-22	2022-23
Gross Annual Turnover			
Profit/Loss			

Signature of Chartered Accountant with Seal

Signature of Applicant(s)
and Registration Number

