



सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान
196, राजा एस सी मल्लिक रोड, कोलकाता - 700 032, भारत
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
196, Raja S C Mullick Road, Kolkata - 700 032, India



PURCHASE ORDER

M/s. Labtherm Scientific Products Plot No. 124, Thirumalai Nagar, 5th Street, Off Service Road, Anakaputhur, Chennai – 600 070, Tamilnadu Ph. No. 9940028052 E-mail Id: labtherm@gmail.com	P.O. No.	P/NC/69/RDG/SO/OT/21-22/2355
	Date	07/11/2022
	Subject	Purchase Order

References:

- 1) CSIR-CGCRI Tender Reference No. P/NC/69/RDG/SO/OT/21-22/2355 dated 02/11/2021.
- 2) Your Quotation Reference No. LSP/CSIR/177/2021-22 dated 23/11/2021.
- 3) CSIR-CGCRI letter dated 14/02/2022.
- 4) Your reply letter no. LSP/CSIR/177/2021-22 dated 15/02/2022 vide your e-mail dated 15/02/2022.
- 5) Our letter dated 13/05/2022.
- 6) Your reply e-mail dated 15/02/2022.
- 7) Our letter dated 22/07/2022.
- 8) Your reply e-mail dated 26/07/2022.
- 9) Our letter dated 07/09/2022.
- 10) Your reply e-mail dated 19/09/2022.
- 11) Our e-mail dated 14/10/2022.
- 12) Your reply letter no. LSP/CSIR/177/2021-22 dated 15/10/2022 vides your reply e-mail dated 15/10/2022.

Dear Sir,

I am directed to request you to kindly Supply, Install, Commission, Demonstration & Training of the following material as the enclosed terms & conditions:-

Sl. No.	Item Description	Qty.	Unit Price	Total Price/ INR
1	Mould Heating Furnace (Specification as per Annexure)	1 Set.	5,05,000.00	5,05,000.00
			Total Cost of Goods	5,05,000.00
			ADD: GST@18% on above time	90,900.00
			F.O.R. CSIR-CGCRI KOLKATA (inclusive of GST @18%) in INR	5,95,900.00

The Specifications of the goods and other services shall strictly conform to those laid down in your offer No. LSP/CSIR/177/2021-22 dated 23/11/2021 and your subsequent correspondences.

This Contract/Purchase Order shall be governed by:-

- and
- (1) General Conditions of Contract and Special Conditions of Contract as detailed in the Bid Document
 - (2) Special Conditions of Contract enclosed with this Purchase Order.

The Order Acknowledgement must be submitted immediately and in any case, within 14 days from the date of placement of this Purchase Order failing which, the order will be deemed as cancelled.

You are requested to return the duplicate copy of this Purchase Order, duly signed and stamped, as a token of your acceptance to this order.

Yours faithfully,



(Anjani Kr. Pandey)

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

Encl:

1. Terms & Conditions.
2. Annexure for Technical Specification
3. Format for Acceptance Certificate
4. Format for No Form.

अंजनी कुमार पाण्डेय/Anjani Kumar Pandey
प्रमुख एवं अन्य अधिकारी/Stores & Purchase Officer
सीएसआईआर - केन्द्रीय काँच एवं सिरेमिक अनुसंधान संस्थान
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
196, राजा एस. सी. मल्लिक रोड / 196, Raja S. C. Mullick Road
कोलकाता / Kolkata-700 032

Explanations:-

The following words and expressions used in this Tender Document shall have the meanings hereby assigned to them:

Purchaser	means CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, 196 RAJA S.C. MULLICK ROAD, KOLKATA 700 032, INDIA.
Manufacturer	means M/s. Labtherm Scientific Products, Plot No. 124, Thirumalai Nagar, 5th Street, Off Service Road, Anakaputhur, Chennai – 600 070, Tamilnadu, India.
Supplier	means M/s. Labtherm Scientific Products, Plot No. 124, Thirumalai Nagar, 5th Street, Off Service Road, Anakaputhur, Chennai – 600 070, Tamilnadu, India.

1.	Delivery Term	F.O.R CSIR-CGCRI, Kolkata.
2.	Purchase Order Value / Contract Price	INR 5,95,900.00 [INR Five Lakhs Ninety Five Thousand & Nine Hundred only].
3.	Payment	<p>The payment shall be made in Indian Rupees, as follows:</p> <p>Net 100% payment by RTGS within 30 days of supply of all ordered items in good condition and after completion of Installation, Commissioning, Demonstration, Training and complete of all contractual obligations to the entire satisfaction of the buyer against Tax Invoice.</p> <p>Note: All payments due under the Contract shall be paid after deduction of statutory levies at source (like ESIC, Income Tax, etc.), wherever applicable.</p>
4.	Performance Security	To be submitted @3% of Purchase Order value after completion of installation, commissioning & training which shall be valid for Warranty Period + 60 days.
5.	Goods & Service Tax (GST)	GST @ 18% on all items is included in Purchase Order value. CSIR-CGCRI GST No.: 19CALC01020F1DL
6.	Delivery period	<p>The Supplier shall deliver the consignment within 120 days from the date of issue of our Purchase Order i.e. within 07/03/2023 positively.</p> <p>Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and/or upward rise in prices due to the PVC (Price Variation Clause) clause and/or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves his right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate.</p>
7.	Pre-Dispatch Inspection at suppliers site	<p>The supplier should arrange for Pre-dispatch Inspection at manufacturer's site one week of prior intimation. Non –compliance during PDI may lead to cancellation of the order. The cost of travel, hospitality for the PDI will be borne by CSIR-CGCRI, Kolkata. However, all costs related to demonstration of equipments will have to be borne by the supplier.</p> <p>Supplier will arrange the Pre-Dispatch Inspection in such a way that they can comply the delivery period.</p>
8.	Warranty	1 (One) Year comprehensive warranty from the date of installation, commissioning and acceptance including completion of all contractual obligations.
9.	Insurance	The Insurance in respect of goods to cover all risks upto final destination (CSIR-CGCRI, Kolkata) shall be borne by Supplier at its own costs.
10.	Installation & Commissioning	Within 15 days from the date of receipt of ordered material in CSIR-CGCRI, Kolkata.

11.	Training	Training to four (04) persons is to be provided within 15 days from the receipt of materials at CSIR-CGCRI by the expert & trained engineers of M/s. Labtherm Scientific Products, Plot, Chennai, Tamilnadu in CSIR--CGCRI.
12.	LD Clause	It will be applicable for delay in delivery, installation, commissioning, training and completion of all contractual obligations beyond deadlines as mentioned in the P.O.
13.	Certificate for effecting payment	Firm will submit the installation certificate indicating the completion of Installation, Commissioning, Demonstration & Training as well as duly signed by the user of CSIR-CGCRI alongwith invoice for effecting the payment.
14.	Documents	Necessary documents are to be provided such as:- <ul style="list-style-type: none"> ➤ Operational and maintenance manuals of the furnace. ➤ Electrical circuit diagram as per identifying tag marks of the wired up control panel for study and easy maintenance. ➤ Literature / specification sheet of all branded bought out items for study and easy maintenance. ➤ Run / Test certificates of the individuals branded bought out items as quality assurance.
15.	Acceptance Criteria	Acceptance Criteria will involve the followings:- <ol style="list-style-type: none"> a) Supply of goods as per the Purchase Order. b) Completion of Installation, Commissioning, Commissioning, Demonstration & Training of all supplied goods. c) Acceptance Certificate is to be provided by the firm duly signed by firm and user of CSIR-CGCRI.
16.	End User Certificate	End User Certificate will be provided by the user of CSIR-CGCRI.

Yours faithfully,


(Anjani Kr. Pandey)

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

CONDITIONS OF CONTRACT

A GENERAL CONDITIONS OF CONTRACT (GCC)

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GENERAL CONDITIONS OF CONTRACT (GCC)

2.1 Definitions

2.1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- (d) "Day" means calendar day.
- (e) "Completion" means the fulfilment of the Goods and related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) "GCC" means the General Conditions of Contract.
- (g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (h) "Related Services" means the services incidental to the supply of the goods, such as transportation, insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (i) "SCC" means the Special Conditions of Contract.
- (j) "Subcontractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (k) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (l) The "Council" means the Council of Scientific & Industrial Research (CSIR), registered under the Societies Registration Act, 1860 of the Govt. of India having its registered office at 2, Rafi Marg, New Delhi-110001, India.
- (m) The "Purchaser" means any of the constituent Laboratory/Institute of the Council situated at any designated place in India as specified in SCC.
- (n) "The final destination," where applicable, means the place named in the SCC.

2.2 Contract Documents

- 2.2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract agreement shall be read as a whole.

2.3 Code of Integrity

- 2.3.1 Without prejudice to and in addition to the rights of the Purchaser to other penal provisions as per the bid documents or contract, if the Purchaser comes to a conclusion that a (prospective) bidder /supplier, directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the Purchaser may take appropriate measures including one or more of the following:

- a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the purchaser;
- b) Forfeiture or encashment of any other security or bond relating to the procurement;
- c) Recovery of payments including advance payments, if any, made by the Purchaser along with interest thereon at the prevailing rate.
- a) Provisions in addition to above:
 - 1) Removal from the list of registered suppliers and banning/debarment of the bidder from participation in future procurements of the purchaser for a period not less than one year;
 - 2) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;
 - 3) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

2.4 Joint Venture, Consortium or Association

- 2.4.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

2.5 Scope of Supply

- 2.5.1 The Goods and Related Services to be supplied shall be as specified in Chapter 4 i.e. Specifications and allied technical details.

2.6 Suppliers' Responsibilities

- 2.6.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with Scope of Supply Clause of the GCC, and the Delivery and Completion Schedule, as per GCC Clause relating to delivery and document.

2.7 Contract price

- 2.7.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

2.8 Copy Right

- 2.8.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

2.9 Application

- 2.9.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

2.10 Standards

- 2.10.1 The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

2.11 Use of Contract Documents and Information

- 2.11.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.
- 2.11.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated above except for purposes of performing the Contract.
- 2.11.3 Any document, other than the Contract itself, enumerated above shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

2.12 Patent Indemnity

- 2.12.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 2.12.2 Indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in India;
 - and
 - (b) the sale in any country of the products produced by the Goods.
- 2.12.2 If any proceedings are brought or any claim is made against the Purchaser, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

2.13 Performance Security

- 2.13.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish performance security in the amount specified in SCC, valid till 60 days after the warranty period.
- 2.13.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 2.13.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries or in equivalent Indian Rupees in case the Performance Security is submitted by the Indian Agent.
- 2.13.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.
- 2.13.5 The Performance security shall be in one of the following forms:
- (a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a bank located abroad in the form provided in the bidding documents.
Or
 - (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser.
- 2.13.6 The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.
- 2.13.7 In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.
- 2.13.8 The order confirmation must be received within 14 days. However, the Purchaser has the powers to extend the time frame for submission of order confirmation and submission of Performance Security (PS). Even after extension of time, if the order confirmation /PS are not received, the contract shall be cancelled provided that the purchaser, on being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, for cogent reasons, offer the next successful bidder an opportunity to match the financial bid of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the price bid of the first successful bidder.
- 2.13.9 Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.**

2.14 Inspections and Tests

- 2.14.1 The inspections & test, training required would be as detailed in Chapter-4 of the Bidding Document relating to Specification and Allied Technical details.

2.15 Packing

- 2.15.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme

temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

- 2.15.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser.

2.16 Delivery and Documents

- 2.16.1 Delivery of the Goods and completion and related services shall be made by the supplier in accordance with the terms specified by the Purchaser in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 2.16.2 The terms FOB, FCA, CIF, CIP, etc. shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris, currently it is Incoterms 2010.
- 2.16.3 The mode of transportation shall be as specified in SCC. In case the purchaser elects to have the transportation done through Air, then air lifting needs to be done through Air India only. In case Air India does not operate in the Airport of despatch, then the bidder is free to engage the services of any other Airlines.

2.17 Insurance

- 2.17.1 Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in SCC.
- 2.17.2 Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary and initiate & pursue claims till settlement, on the event of any loss or damage.
- 2.17.3 Where delivery is on FOB or FCA basis, insurance would be the responsibility of the purchaser.
- 2.17.4 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

2.18 Transportation

- 2.18.1 Where the Supplier is required under the Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 2.18.2 Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as

shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

2.18.3 In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, as specified in the Contract, shall be arranged by the Supplier, and the related costs shall be included in the Contract Price.

2.19 Incidental Services

2.19.1 The supplier may be required to provide any or all of the services, including training, if any, specified in chapter 4 of Tender Document.

2.20 Spare Parts

2.20.1 The Supplier shall be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) In the event of termination of production of the spare parts:
 - (i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
 - (ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

2.21 Warranty

2.21.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

2.21.2 The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

2.21.3 Unless otherwise specified in the SCC, the warranty shall remain valid for Twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for Eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

2.21.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

2.21.5 Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

2.21.6 If having been notified, the Supplier fails to remedy the defect within a reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

2.21.7 Goods requiring warranty replacements must be replaced on free of cost basis to the purchaser.

2.22 Terms of Payment

2.22.1 The method and conditions of payment to be made to the Supplier under this Contract shall be as specified in the SCC.

2.22.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to Delivery and document Clause of the GCC and upon fulfilment of other obligations stipulated in the contract.

2.22.3 Payments shall be made promptly by the Purchaser but in no case later than thirty (30) days after submission of the invoice or claim by the Supplier. While claiming the payment, the supplier should certify in the bill/invoice that the payment being claimed strictly in terms of the contract and all obligations on the part of the supplier for claiming the payment have been fulfilled as required under the contract.

2.22.4 Payment shall be made in currency as indicated in the contract.

2.23 Change Orders and Contract Amendments

2.23.1 The Purchaser may at any time, by written order given to the Supplier pursuant to Clause on Notices of the GCC make changes within the general scope of the Contract in any one or more of the following:

- (a) Increase or decrease in the quantity required, exercise of quantity opinion clause;
- (b) Changes in schedule of deliveries and terms of delivery;
- (c) The changes in inspection arrangements;
- (d) Changes in terms of payments and statutory levies;
- (e) Changes due to any other situation not anticipated;

2.23.2 No changes in the price quoted shall be permitted after the purchase order has been issued except on account of statutory variations.

2.23.3 No variation or modification in the terms of the contract shall be made except by written amendment signed by the parties.

2.24 Assignment

2.24.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

2.25 Subcontracts

2.25.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or duties or obligation under the contract.

2.26 Extension of time.

2.26.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser.

- 2.26.2 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 2.26.3 Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to liquidated damages Clause of the GCC unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
- 2.26.4 **Denial Clause (over and above levy of Liquidated Damage):** any increase in statutory duties and/or upward rise in prices due to the PVC (Price Variation Clause) clause and/or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves his right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate.

2.27 Liquidated Damages

- 2.27.1 Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services or contract value in case the delivered price of the delayed goods or unperformed services cannot be ascertained from the contract, for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause on Termination for Default.

2.28 Termination for Default

- 2.28.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part
- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause on Extension of Time; or
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices etc as defined in GCC Clause and ITB clause on code of integrity in competing for or in executing the Contract.
- 2.28.2 In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:
- (a) The Performance Security is to be forfeited;
 - (b) The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.

- (c) However, the supplier shall continue to perform the contract to the extent not terminated.

2.29 Force Majeure

- 2.29.1 Notwithstanding the provisions of GCC Clauses relating to extension of time, Liquidated damages and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 2.29.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 2.29.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 2.29.4 If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of Force Majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

2.30 Termination for Insolvency

- 2.30.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

2.31 Termination for Convenience

- 2.31.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 2.31.2 The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (a) To have any portion completed and delivered at the Contract terms and prices; and/or
 - (b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.
 - (c) If any dispute or difference arises 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 Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

2.32 Settlement of Disputes

2.32.1 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.

2.32.2 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.

2.32.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

(a) If any dispute or difference arises 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 Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi. 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 purchaser 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.

2.32.4 The venue of the arbitration shall be the place from where the purchase order or contract is issued.

2.32.5 Notwithstanding, any reference to arbitration herein,

(a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

(b) the Purchaser shall pay the Supplier any monies due the Supplier.

2.33 Governing Language

2.33.1 The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

2.34 Applicable Law

2.34.1 The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction as specified in SCC.

2.35 Notices

2.35.1 Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX, e-mail or and confirmed in writing to the other party's address specified in the SCC.

2.35.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

2.36 Taxes and Duties

2.36.1 For goods manufactured outside India, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside India.

2.36.2 For goods Manufactured within India, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred till its final manufacture/production.

2.36.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in India, the Purchaser shall make its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

2.36.4 **All payments due under the contract shall be paid after deduction of statutory levies (at source) (like IT, etc.) wherever applicable.**

2.36.5 **Customs Duty** – If the supply is from abroad this Institute is permitted to import goods as per notification No.51/96 – Customs and pay a concessional duty up to 5% as per notification 24/2002 – Customs on all imports.

2.37 Right to use Defective Goods

2.37.1 If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

2.38 Protection against Damage

2.38.1 The system shall not be prone to damage during power failures and trip outs. The normal voltage and frequency conditions available at site as under:

(a) Voltage 230 volts – Single phase/ 415 V 3 phase (+_ 10%)

(b) Frequency 50 Hz.

2.39 Site preparation and installation

2.39.1 The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of award/contract.

2.40 Import and Export Licenses

2.40.1 If the ordered materials are covered under restricted category of EXIM policy in India the Vendor / Agent may intimate such information for obtaining necessary, license in India.

2.40.2 If the ordered equipment is subject to Vendor procuring an export license from the designated government agency / country from where the goods are shipped / sold, the vendor has to mention the name, address of the government agency / authority. The vendor must also mention the time period within which the license will be granted in normal course.

2.41 Risk Purchase Clause

2.41.1 If the supplier fails to deliver the goods within the maximum delivery period specified in the contract or Purchase Order, the purchaser may procure, upon such terms and in such a manner as it deems appropriate, Goods or Services similar to those undelivered and the Supplier shall be liable to the purchaser for any excess costs incurred for such similar goods or services.

2.42 Option Clause

2.42.1 The Purchaser reserves the right to increase or decrease the quantity of the required goods up to 25% (Twenty-Five) per cent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

2.43 Integrity Pact

2.43.1 The SCC shall specify whether there is a need to enter into a separate Integrity pact or not.

2.43.2 The names and contact details of the Independent External Monitors (IEM) on the event of the need of IP is as detailed in the SCC.

2.44 Order Acceptance

2.44.1 The successful bidder should submit Order acceptance within 14 days from the date of issue of order/signing of contract, failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited pursuant to clause 1.16.9 of ITB.

Signature of 11.11.2022

(Anjani Kr. Pandey)

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

अंजनी कुमार पाण्डेय/Anjani Kumar Pandey
सामग्री एवं क्रय अधिकारी/Stores & Purchase Officer
संयोजक कार्यालय - केन्द्रीय काँच एवं सिरेमिक अनुसंधान संस्थान
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE
106, राजा एस. सी. मल्लिक रोड / 106, Raja S. C. Mullick Road
कोलकाता / Kolkata-700 032

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

SCC 1	The Purchaser is: DIRECTOR, CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, 196, RAJA S. C. MULLICK ROAD, P.O. JADAVPUR, KOLKATA-700032, WEST BENGAL, INDIA.
SCC 2	The Supplier is: M/S. LABTHERM SCIENTIFIC PRODUCTS, PLOT NO. 124, THIRUMALAI NAGAR, 5TH STREET, OFF SERVICE ROAD, ANAKAPUTHUR, CHENNAI – 600070, TAMILNADU, INDIA.
SCC 4	<p>Calibration:</p> <p>Certificates of calibration traceable to International Standards must be provided, if applicable.</p>
SCC 5	<p>Final Destination:</p> <p>CSIR-Central Glass & Ceramic Research Institute, 196, Raja S. C. Mullick Road, P.O. Jadavpur, Kolkata-700032, West Bengal, India</p>
SCC 6	<p>Order Acknowledgement/Confirmation:</p> <p>The order confirmation should be received within 14 days from the date of purchase order indicating detailed specifications of the equipment as mentioned in the purchase order including the value of the purchase order/equipment.</p>
SCC 7	<p>Performance Security:</p> <p>The amount of the Performance Security shall be:</p> <p>The Supplier shall furnish performance security equivalent to 3% of the contract price, valid till 60 days after the warranty period plus extended warranty (if applicable). At the time of release of 100% payment after completion of Installation, Commissioning & Training of all supplies and Acceptance Certificate issued by the Purchaser and fulfillment of all contractual obligations prescribed in Purchase Order.</p> <p>The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.</p> <p>The Performance security shall be in one of the following forms:</p> <p>a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India Or</p> <p>b) A Banker's cheque or Account Payee demand draft in favour of the purchaser.</p> <p>The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, without levy of any interest.</p>
SCC 8	<p>Delivery:</p> <p>The delivery of the Goods shall be within 120 days from the date of issue of Purchase Order i.e. within 07/03/2023 positively.</p> <p>The delivery should be synchronized alongwith the supply of main imported items. (IF APPLICABLE)</p> <p>Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to</p>

	<p>Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.</p> <p>Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and/or upward rise in prices due to the PVC (Price Variation Clause) clause and/or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves his right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate.</p>
SCC 9	Part supply will not be accepted.
SCC 10	The country of origin of the Goods is India.
SCC 11	The port of shipment of the Goods is India.
SCC 12	The mode of shipment: By Road.
SCC 14	<p>Pre-Despatch Inspection:</p> <p>The Director, CSIR-Central Glass & Ceramic Research Institute, Kolkata reserves the right to depute the persons from CSIR-CGCRI for Pre-Despatch Inspection, if required, at the Works of Supplier. The Supplier shall inform the Purchaser the readiness of the equipment before its despatch for arranging Pre-Despatch Inspection.</p> <ul style="list-style-type: none"> a) The supplier should arrange for Pre-dispatch Inspection at manufacturer's site one week of prior intimation. Supplier is requested to arrange the Pre-Dispatch Inspection in such a way that they can comply the delivery schedule. b) Non –compliance during PDI may lead to cancellation of the order. c) The cost of travel, hospitality for the PDI will be borne by CSIR-CGCRI, Kolkata. However, all costs related to demonstration of equipments will have to be borne by the supplier.
SCC 15	<p>Installation & Commissioning:</p> <p>Supplier shall arrange to complete Installation, Commissioning, Demonstration & Training including all contractual obligations of the goods/equipment within Fifteen (15) days of arrival of goods/equipment at CSIR-CGCRI.</p> <p>The supplier shall arrange to provide the Training to four (04) persons within 15 days from the receipt of materials at CSIR-CGCRI.</p> <p>The Supplier shall depute its experts / engineers at CSIR-CGCRI for carrying out the installation, commissioning, demonstration, and training of the equipment to the entire satisfaction of the CSIR-CGCRI. The charges are included in the Contract Price of the goods.</p>
SCC 16	<p>Inspection and Tests:-</p> <p>The Inspection tests prior to shipment of goods and at final acceptance at buyers site.</p> <p>After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the Supplier's plant by the Supplier prior to shipment to check whether the goods are in conformity with the technical specifications.</p> <p>Manufacturers Test Certificate with data sheet shall be issued to the effect and submit alongwith delivery documents.</p> <p>The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain</p>

	<p>necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.</p> <p>Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipment built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications. The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract. Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser.</p> <p>On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment.</p>
SCC 17	<p>Annual Maintenance Contract (AMC) (NOT APPLICABLE)</p> <p>In case CSIR Central Glass & Ceramic Research Institute, Kolkata requires AMC, a separate contract will be issued to the vendor based on the AMC quote received from M/s xxxxxxxxxxxxxxxx.</p>
SCC 18	<p>Packing:</p> <p>The marking and documentation within and outside the packages shall be:</p> <ol style="list-style-type: none"> Each package should have a packing list within it detailing the part No.(s), description, quantity etc. Outside each package, the contract No., the name and address of the purchaser and the final destination should be indicated on all sides and top. Each package should be marked as 1/x, 2/x, 3/x.....x/x, where "x" is the total No. of packages contained in the consignment. All the sides and top of each package should carry an appropriate indication/label/stickers indicating the precautions to be taken while handling/storage.

SCC 19	<p>Shipping and other Documents :</p> <p>Details of Shipping and other Documents to be furnished by the Supplier are</p> <p>(i) For Goods manufactured within India Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by registered post / speed post and copies thereof by FAX:</p> <p>(a) Two copies of Supplier's Invoice indicating, <i>inter-alia</i> description and specification of the goods, quantity, unit price, total value; (b) Packing list; (c) Certificate of country of origin; (d) Insurance certificate, if required under the contract; (e) Railway receipt/Consignment note; (f) Manufacturer's guarantee certificate and in-house inspection certificate; (g) Inspection certificate issued by purchaser's inspector, if any and (h) Any other document(s) as and when required in terms of the contract.</p> <p>Note:</p> <p>1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)</p> <p>2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses</p> <p>(ii) For Goods manufactured abroad</p> <p>Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/courier and copies thereof by FAX:</p> <p>(a) Two copies of supplier's Invoice giving full details of the goods including quantity, value, etc.; (b) Packing list; (c) Certificate of country of origin; (d) Manufacturer's guarantee and Inspection certificate; (e) Inspection certificate issued by the Purchaser's Inspector, if any; (f) Insurance Certificate, if required under the contract; (g) Name of the Vessel/Carrier; (h) Bill of Lading/Airway Bill; (i) Port of Loading; (j) Date of Shipment; (k) Port of Discharge & expected date of arrival of goods and (l) Any other document(s) as and when required in terms of the contract.</p> <p>Note:</p> <p>1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).</p> <p>2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
SCC 20	<p>Mode of dispatch:</p> <p>In case of supplies from within India, the mode of transportation shall be by Road. In case of supplies from abroad, the mode of transportation shall be by Air.</p>
SCC 21	<p>Insurance:</p> <p>The Insurance in respect of goods to cover all risks upto final destination shall be borne by Supplier at its own costs.</p>

SCC 22	<p>Warranty:</p> <p>The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract. The Supplier should further warrant that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.</p> <p>01 (One) Year to the entire satisfaction of this Institute (Purchaser). The Buyer shall promptly notify the Supplier in writing of any claims arising under this warranty.</p> <p>Upon receipt of such notice, the Supplier shall, within 21 days, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination point / Buyer's site i.e CGCRI premises. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Buyer for the replaced parts/goods thereafter on this account.</p> <p>The period for correction of defects in the warranty period is 21 days.</p> <p>If the Supplier having been notified fails to remedy the defects within 21 days, the Buyer may proceed to take such remedial action as may be necessary, at the Supplier's risk and expenses and without prejudice to any other rights which the Buyer may have against the Supplier under the order.</p>
SCC 23	<p>The payment shall be made in Indian Rupees, as follows:</p> <p>Net 100% payment by RTGS within 30 days of supply of all ordered items in good condition and after completion of Installation, Commissioning, Demonstration, Training and complete of all contractual obligations to the entire satisfaction of the buyer against Tax Invoice.</p> <p>Note: All payments due under the Contract shall be paid after deduction of statutory levies at source (like ESIC, Income Tax, etc.), wherever applicable.</p>
SCC 24	<p>Liquidated Damages :</p> <p>Subject to the operation of force majeure, time of delivery and acceptance is the essence of this order. The supplier shall arrange to ship the consignment within 120 days from the date of issue of Purchase Order i.e. within 07/03/2023 unless an extension is granted by a mutual agreement. As the sole and exclusive remedy for delay in shipment beyond the agreed upon shipment date, the supplier shall pay to the buyer liquidated damages at 0.5% per week or part of a week towards late delivery and towards delay in installation, commissioning & training including all contractual obligations. The maximum amount of liquidated damages shall be 10%. The liquidated damages shall be levied on the delivered price of the delayed Goods or unperformed Services or contract value.</p>
SCC 25	<p>Site preparation and installation:</p> <p>The Purchaser along with the Supplier will demarcate the scope along with responsibility of site preparation and installation. The Purchaser in consultation with the Supplier will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of award/contract.</p>
SCC 26	<p>Manuals & Drawing:</p> <p>Necessary documents are to be provided by the Supplier:-</p> <ul style="list-style-type: none"> ➤ Operational and maintenance manuals of the furnace. ➤ Electrical circuit diagram as per identifying tag marks of the wired up control panel for study and easy maintenance. ➤ Literature / specification sheet of all branded bought out items for study and easy maintenance. ➤ Run / Test certificates of the individuals branded bought out items as quality assurance. <p>Supplier will make available to the Buyer necessary documents and manuals. Before the goods and</p>

	<p>equipment's are taken over by the Buyer, the Supplier shall supply operation and maintenance manuals together with drawings of the goods and equipment's built. These shall be in such details as will enable the Buyer to operate, maintain, adjust and repair all parts of the equipment to be delivered under this Purchase Order.</p> <p>The manuals and drawings shall be in the ruling language (English).</p> <p>Unless and otherwise agreed, the goods / equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Buyer.</p>
SCC 27	<p>Acceptance Criteria:</p> <p>Acceptance Criteria will involve the followings:-</p> <ul style="list-style-type: none"> ➤ Supply of goods as per Purchase Order in good condition. ➤ Acceptances/Installation Certificate is to be provided by the firm duly signed by user of CSIR-CGCRI.
SCC 28	<p>Notice of Improvement:</p> <p>On a continuing basis, the supplier shall inform the buyer the time to time improvement in respect of the equipment. Such information shall be accompanied by technical newsletter, reliability improvement notice etc.</p>
SCC 29	<p>Force Majeure:</p> <p>Notwithstanding the provisions relating to extension of time and penalty the Supplier shall not be liable for forfeiture of its performance security or liquidated damages, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p>For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.</p> <p>If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p> <p>If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.</p>
SCC 30	<p>Settlement of Disputes:</p> <p>(i) 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.</p> <p>(ii) 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.</p> <p>(iii) The dispute settlement mechanism/arbitration proceedings shall be concluded as under:</p>

	<p>(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 and Arbitration & Conciliation (Amendment) Act 2015, 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 Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi.</p> <p>(b) "Arbitration Clause" in the domestic agreement will be as under:- "ARBITRATION"</p> <p>1. In the event of any question /dispute/difference arising under the agreement or in connection herewith (except as to matters the decision of which is specially provided under this agreement) the same shall be referred to the Delhi International Arbitration Centre for appointment of Arbitrator to adjudicate the dispute.</p> <p>2. The award of the Arbitrator shall be final and binding on the parties. The Arbitrator may give interim award(s) and /or directions, as may be required.</p> <p>3. Subject to the aforesaid provision, the arbitration and conciliation act, 1996 and the rules made hereunder and any modification thereof from time to time being in force shall be deemed to apply to the Arbitration proceedings under this clause."</p> <p>(c) in the case of a dispute between the purchaser 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.</p> <p>(iv) The venue of the arbitration shall be the place from where the purchase order or contract is issued.</p> <p>(v) Notwithstanding any reference to arbitration herein, (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and (b) the Purchaser shall pay the Supplier any monies due the Supplier.</p>
SCC 31	<p>Supplier's Integrity:</p> <p>The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.</p>
SCC 32	<p>Integrity Pact:</p> <p>The Integrity pact is not to be signed.</p>
SCC 33	<p>Termination for Default:</p> <p>The Buyer may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Purchase Order / Contract in whole or part</p> <p>a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Purchase Order, or within any extension thereof granted by the Buyer. b) If the Supplier fails to perform any other obligation(s) under the Purchase Order. c) If the Supplier, in the judgment of the Buyer has engaged in corrupt or fraudulent or collusive or coercive competing for or in executing the Purchase Order /Contract.</p> <p>In the event the Buyer terminates the contract in whole or in part, he may take recourse to any one or more of the following action:</p> <p>a) The Performance Security is to be forfeited. b) The Buyer may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the Supplier shall be liable for all available actions against it in</p>

	terms of the contract. c) However, the Supplier shall continue to perform the contract to the extent not terminated.
SCC 34	Applicable Laws: The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to the jurisdiction of Kolkata, India.

24/11/2022

(Anjani Kr. Pandey)

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

अंजनी कुमार पाण्डेय/Anjani Kumar Pandey
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Annexure

Technical Specifications:

'LABTHERM' HIGH TEMPERATURE FURNACE :

General Specifications :

The furnace desired will be procured will be an electrically heated and will be meet following specifications:

Details of the Furnace :

The furnace is a Rectangular Furnace as per specifications and the temperature controlled by Microprocessor based Programmable controller along with a Thyristor Control Device. The Maximum Furnace temperature will be 1100 Deg C.

Outer Chamber:

Floor standing may be on wheels, made of rolled steel sections having rigidity to withstand working conditions with a combination of $\geq 2\text{mm}$ thick CRCA / SS sheets dully perforated where necessary for outer shielding and duly surface treated / coated / painted. The charging height of the furnace may be 1000 (+/- 50mm) to suit conditions. Floor standing Ms /SS body fabricated from thick gauge MS /SS sheet, Powder coated or mirror or mat finish. Double layer steel body with outer fan cooling for low surface temperature and long life of refractory.

Furnace housing Double walled construction the outer chamber is fabricated out of thick mild Steel / stainless steel sheet, double walled, fully reinforced with square tube frame work to make the equipment mechanically very rigid. The outer shell has air cooling facility to have a cool exterior to make the skin temperature is maintained bear minimum as possible. Double walled housing with forced cooling to maintain the outer wall temperature below 50 Deg C even at maximum operating temperature of the furnace.

Inner Chamber:

The inner chamber is formed by Ceramic fiber Blanket, withstanding temperature up to 1200 Deg C and will have a clear inner dimension. The furnace will have refractory hearth which will withstand loads at high temperature. Mouth is formed by High alumina Cumi log Bricks and will have clear inner dimensions as per the specifications.

Insulation:

A combination of low thermal mass refractory CUMI 29 & back up by MMTL board to maintain storage heat as well as heat loss to maintain skin temperature < 50 Deg C at maximum temperature.
All hot face – CUMI 29 Bricks Cold face – MMTL board

The space in between the inner and outer chamber will be tightly packed with superior quality Ceramic fiber blankets to eliminate the radiation heat loss.

The insulation will be high temperature shock resistance property to prevent any kind of damage when the hearth is opened in hot condition which is light weight and heats the furnace with lowest energy consumption.

Loading :

Front Loading door for easy operation

30/11/2022

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सीएसजीएम - नई दिल्ली / CSJ & CUMI RESISTANCE INSTITUTE
105, बंगला / 105, Bangla
एनएच-105 / NH-105

Door Construction: Manually operated horizontal swing door for full and easy access to the chamber. A safety switch will be provided to isolate power supply to the heating element during door operation. The chamber is provided with a swing aside single door with thick ceramic fiber blanket insulation would be provided at the front with locking arrangement.

Heating Elements:

Kanthal make AMP grade heating element wound in spiral form on ceramic tube / muffle grooves. The terminals of the heating elements will be neatly brought out in a compact junction box. The heating elements will be able to withstand thermal shock when the door is opened for a short duration operational temperature. Provision to replace individual heating elements as and when required for replacement. The power to the heating elements will be fed through Thyristor power control device. The temperature of the furnace will be uniform throughout the inner chamber. The terminals of the heating elements will be neatly brought out in a compact junction box.

Temperature Indication and Control:

The temperature inside the chamber is indicated and controlled by Eurotherm make Independent smart range, modular Microprocessor based digital Programmable PID controller, with provision to store one or more programs with 16 segment, with normal ramp – hold / dwell features. Shoot up temperature controller with suitable alarm and cut – off facility will be provided. Very precise regulation, self optimizing, which will have ramp/soak programming features and Auto/manual control features and other standard control systems. The Programmer Controller will have indications for process value, set value and other normal indications.

The furnace will be capable of retaining the details of the last temperature program run, and resuming operation as per the last temperature program, after power resumption

A thermocouple assembly, consisting of 'K' Type thermocouple will be placed preferably from side through a thermo well. Furnace will be One Nos. of 'K' type thermocouple fitted at different suitable locations of the 'Uniform Hot Zone'. One thermocouple will be with controller and the other two will have temperature display or any other system. The thermocouple will be 'K' type for continuous operation at 1200 Deg C.

Power Supply:

Max. Power: 24 Kw

The power to the heating elements controlled by Abi make thyristor pack with control and indication accuracy + / - 1 to 2 degs C.

The system will be suitable for operation on the power supply available with the user: 440 V AC, 50 Hz., Three Phase.

Control Panel:

A compact control panel integrated in the furnace housing with accommodating necessary the following will be provided along with the furnace: Microprocessor based Digital Temperature Programmable PID Controller. The

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control panel will be provided with the following facilities to achieve continuous long – run life cycle and inbuilt with the furnace.

Components of reputed make (Eurotherm / LT/ Siemens) having capacity to withstand working conditions and duly wired up with identifying tag marks.

- Temperature controller : Programmable 16-segment, Eurotherm make 2404 – P4' Controller having facility to carry on program me automatically from process value on withdrawing of Hold or after remittance of power cut off.
- Digital voltmeter / Ammeter for phase current & Voltage. selectron make
- Energy mete for line current & voltage selectron make
- Eurotherm make Programmable O/T controller.
- Honey well make 2 Nos digital indicator for monitoring the temperature.
- indication lamps
- On/Off switches
- Thyristor of Eurotherm make or Abi or equivalent make having phase angle triggering circuit board and harmonic filter with safe load handling capacity for continuous operational turns.
- Cables and other switch gear items as applicable will be reputed make.
- Exhaust fan (s) have to be provided to dissipate heat from panel inside to protect panel mounted items.

A compact control panel integrated in the furnace housing with accommodating necessary the following will be provided along with the furnace: Microprocessor based Digital Temperature Programmable PID Controller.

Phase wise digital Voltmeter / Ammeter
Programmable and O/T controllers
Indicating lamps
ON / OFF soft press / toggle switches
Safety controller
Fuse units.
Thyristor for phase angle triggering
Main isolating switch
Cables and other switch gear items
Exhaust fan

Safety Precaution:

Over temperature Protection controller
Over load protection relay
Broken T/C indication
On toggle switch will be provided for direct power point.

I. Technical Specifications :

Inner chamber dimensions	: 600mm H x 600mm W x 600mm D
Type capacity	: Chamber furnace, 144 Ltrs
Mould size	: 370 x 270 x 135mm (CGCRI will supply)

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Door size	: 450mm x 450mm
Max. attainable Temperature	: 1200 Degs.C
Continuous Operating temp.	: 1000 Degs C (Continuous soaking for 24 h)
Continuous stable furnace	
Operation time at maximum	
Useable temperature	: 800 Deg C. (Continuous soaking for 3 days)
Heating element	: Kanthal AMP
Skin temperature of the furnace:	≤ 60 Deg C at Highest temperature
Temperature Control	: PID temperature with Thyristor to control the power supply to the heating element within accuracy of ± 2 Deg C will be at least 16 segment programming facility over temperature safety temperature controller
Thermocouple	: K type thermocouple within alumina Sheath
Accuracy of temperature control:	± 5 Deg.C
Temperature uniformity inside	
Hot zone	: ± 3 Deg C
Temperature accuracy	: ± 1 Deg C
Heat up rating	: 1 Deg C to 5 Deg C per minute max.
Total charge weight	: 60 (± 10) kg (approx..)
Operational atmosphere	: Stationary ambient air
Max. Power Cons.	: 24 Kw.
Power Input	: Electrical, 400 V (± 10 %) Three Phase AC 50/60 Cys (± 3 %) with neutral.

Signature
07.11.2022

अंजनी कुमार पाण्डेय/Anjani Kumar Pandey
 भण्डार एवं क्रय अधिकारी/Stores & Purchase Officer
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ACCEPTANCE CERTIFICATE FORM

No. _____

Dated: _____

M/s. _____

Sub: Certificate of commissioning of equipment

01. This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2). The same has been installed and commissioned.

- (a) Contract No. _____ Date _____
(b) Description of the equipment _____
(c) Name of the consignee _____
(d) Scheduled date of delivery of the consignment to the Lab./Instts. _____
(e) Actual date of receipt of consignment by the Lab./Instts. _____
(f) Scheduled date for completion of installation/commissioning _____
(g) Training Starting Date _____
(h) Training Completion Date _____
(i) Names of People Trained _____
(j) Actual date of completion of installation/commissioning _____
(k) Penalty for late delivery (at Lab./Instts. level) ₹ _____
(l) Penalty for late installation (at Lab./Instts. level) ₹ _____

Details of accessories/items not yet supplied and recoveries to be made on that account:

Sl. No.	Description	Amount to be recovered

02. The acceptance test has been done to our entire satisfaction. The supplier has fulfilled his contractual obligations satisfactorily

or

The supplier has failed to fulfil his contractual obligations with regard to the following:

- (a)
(b)
(c)
(d)

The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Sr. No. 3.

For Supplier

For Purchaser

Signature.....

Signature.....

Name

Name.....

Designation

Designation.....

Name of the firm.....

Name of the Lab/Instt.....

Date

Date.....

FORM OF NO CLAIM CERTIFICATE
(On company letterhead)

To,

Name & Address of CSIR Labs/Instts _____

Attention: _____

NO CLAIM CERTIFICATE

Sub: Contract Agreement no. _____ dated _____ for the supply of _____

We have received the sum of Rs. _____ (Rupees _____ only) in full and final settlement of all the payments due to us for the supply of _____ under the abovementioned contract agreement, between us. We hereby unconditionally and without any reservation whatsoever, certify that with this payment, we shall have no claim whatsoever, of any description, on any account, against afore said contract agreement executed by us. We further declare unequivocally, that with this payment, we have received all the amounts payable to us, and have no dispute of any description whatsoever, regarding the amounts worked out as payable to us and received by us, and that we shall continue to be bound by the terms and conditions of the contract agreement, as regards performance of the contract.

Yours faithfully,

Signatures of Supplier or
Officer authorised to sign the contract documents
on behalf of the supplier
(company stamp)

Date: _____

Place: _____

