



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. Naskar and Company Plot No. 1, Shibpur Industrial Estate-1 108, Lakshminarayantala Road, Howrah-711103, West Bengal E-mail: naskar.furnace@gmail.com	P.O. No.	P/NC/56/SSM/SO/OTE/24-25(Re1)
	Date	02/07/2025
	Subject	Purchase Order

References:

- 1) CSIR-CGCRI Bid Document No. P/NC/56/SSM/SO/OTE/24-25(Re1) [CPP Portal Tender ID: 2024_CSIR_217023_1 dated 05/12/2024].
- 2) Your Quotation offer reference no. N&C/80133 dt. 30/12/2024.
- 3) All communications exchanged between you and CSIR-CGCRI till date.

Dear Sir,

I am directed to request you to kindly supply, install & commission the following equipment as per the enclosed terms & conditions:-

S. No.	Item Description	HSN	Quantity	Unit Rate (INR)	Total (INR)
A	ELECTROHEAT CE Certified Control Atmosphere Tubular Furnace Model-NC-TF-1700G	85141000	1 Set	-	-
1	Working Tube	-	1	65,000.00	65,000.00
2	Water-cooled SS flanges for work tube entry / exit & Chiller	-	1	1,30,000.00	1,30,000.00
3	Work Tube End Plates	-	1	10,000.00	10,000.00
4	Heating Element (Nos)	-	6	40,000.00	2,40,000.00
5	Thermocouple (Nos)	-	2	24,000.00	48,000.00
6	Insulation	-	1	50,000.00	50,000.00
7	Controller	-	1	30,000.00	30,000.00
8	Over Temperature Protection	-	1	8,000.00	8,000.00
9	Vacuum pump	-	1	80,000.00	80,000.00
10	Gas Flow System	-	1	40,000.00	40,000.00
11	Over-pressure protection system/general safety	-	1	25,000.00	25,000.00
12	Hydrogen Gas Safety System	-	1	27,000.00	27,000.00
13	Hydrogen Leak Detection Sensor System	-	1	50,000.00	50,000.00
14	Ceramic Ignition System for Hydrogen at the outlet	-	1	38,000.00	38,000.00
15	Spares of Alumina work tube	-	2	65,000.00	1,30,000.00
16	Spares of Sample Placement Rod	-	1	4,000.00	4,000.00
17	Furnace Body	-	1	40,000.00	40,000.00
18	Control Panel with All Electrical Accessories	-	1	80,000.00	80,000.00

19	Power Transformer with Accessories	-	1	90,000.00	90,000.00
				Item Total	11,85,000.00
				(+) GST @18% on above	2,13,300.00
	F.O.R. C.S.I.R-C.G.C.R.I Kolkata price in INR (inclusive of GST@18%)				13,98,300.00

The Specifications of the goods and other services shall strictly conform to those laid down in your offer no. N&C/80133 dt. 30/12/2024 and all communications exchanged between you and CSIR-CGCRI till date. Further you are also requested to note the following:

This Contract/Purchase Order shall be governed by:-

- (1) General Conditions of Contract and Special Conditions of Contract as detailed in the Bid Document.

Attention of the supplier is also invited to the terms and conditions mentioned in 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,



(Bodhisattwa Dhar)

Stores & Purchase Officer

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

Enclosures:

1. Terms & Conditions.
2. Format for Performance Bank Guarantee.
3. Format for Acceptance Certificate.

बोधिस्वत्त धर / Bodhisattwa Dhar
 धण्डार एवं क्रय अधिकारी / Stores & Purchase Officer
 सीएसआईआर-केन्द्रीय काँच एवं सिरामिक 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 Purchase Order 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 & Supplier	means M/s. NASKAR AND COMPANY, PLOT NO. 1, SHIBPUR INDUSTRIAL ESTATE-1, 108, LAKSHMINARAYANTALA ROAD, HOWRAH-711103, WEST BENGAL.

1.	Delivery Term	F.O.R. CSIR-CGCRI, Kolkata.
2.	Purchase Order Value / Contract Price	INR 13,98,300.00 [INR Thirteen Lakhs Ninety Eighty Thousand Three Hundred Only].
3.	Documents to be submitted during installation	<ul style="list-style-type: none"> i. Documentary proof for the uniformity in the uniform heating zone at 1500 °C. ii. Original manufacturer certificate for heating elements. iii. Calibration certificate for the thermocouple from an NABL-Accredited lab. iv. Calibration certificate of the rotameter. v. The controller brochure/manual needs to be provided.
4.	Acceptance criteria	<ul style="list-style-type: none"> i. Operation at 1600 °C for 2 hours, 1550 °C for 24 hours. ii. The uniformity in heating length (300) at 1500 °C needs to be established during the performance test. iii. Demonstration of the hydrogen safety system and the auto response system to stop the hydrogen gas supply. iv. Demonstration of the pressure safety requirements.
5.	Payment	<p>The payment shall be made in Indian Rupees, as follows:</p> <p>Net 100% payment by RTGS within 30 days of acceptance of supply of all ordered items at CGCRI including completion of installation of the supplied items and completion of all contractual obligations to the entire satisfaction of the buyer, after meeting the acceptance criteria, against Tax Invoice & subject to submission of Performance Bank Guarantee. Acceptance of supply shall mean successful commissioning of the ordered equipment and demonstration of all performance parameters as per acceptance criteria.</p> <p>Note:</p> <p>All payments due under the Contract shall be paid after deduction of statutory levies at source (like ESIC, Income Tax, etc.), wherever applicable.</p>
6.	Performance Security	Within 21 days of issue of this Purchase Order, Supplier shall furnish a Performance Security for 3 % of the order value / invoice value. Other aspects of the Performance Security clause are detailed at GCC Clause 2.13 read with the relevant SCC.

7.	Goods & Service Tax (GST)	GST @ 18% on all items is included in Purchase Order value. CSIR-CGCRI GST No.: 19AAATC2716R1ZC
8.	Pre Dispatch Inspection (PDI)	Not applicable.
9.	Delivery period [For supply and installation of the ordered goods]	The Supplier shall complete entire services including delivery, installation, commission & training of the ordered equipment within 120 days from the date of issue of Purchase Order.
10	Warranty	02 (two) years comprehensive warranty from the date of Installation & Commissioning and completion of all contractual obligations to the entire satisfaction of the buyer.
11	Freight & Insurance	Freight and Insurance of the ordered equipment upto CSIR-CGCRI Stores shall be arranged by Supplier and the costs thereof shall be borne by Supplier.
12	Installation & Commissioning	To be done by Supplier's engineers at delivery site within the delivery period mentioned above at Serial No. 9.
13	Training	Onsite training to the persons of CSIR-CGCRI during installation period.
14	LD Clause	The penalty shall @ (0.5%) point five percent per week or subject to a maximum of @ (10%) ten percent of Order Value for late delivery and towards delay in Installation & Commissioning including all contractual obligations beyond contractual deadlines.

Yours faithfully,


(Bodhisattwa Dhar)

Stores & Purchase Officer

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

बोधिसत्त्व धर / Bodhisattwa Dhar

भण्डार एवं क्रय अधिकारी / Stores & Purchase Officer

सीएसआईआर-केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान

CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

196, राजा एस. सी. मल्लिक रोड / 196, Raja S.C. Mullick Road

कोलकाता / Kolkata-700 032

PERFORMANCE SECURITY FORM

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To,

.....
WHEREAS (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No. datedto supply (description of goods and services) (herein after called "the contract").

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

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

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

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

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

This guarantee shall be valid until the day of, 20.....
(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, Name & Address of the Issuing Branch of the Bank

Note: 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.

ACCEPTANCE CERTIFICATE FORM

(On company letterhead)

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 fulfill 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

Signature
Name
Designation.....
Name of the firm.....

Date

For Purchaser

Signature.....
Name.....
Designation.....
Name of the Lab/Instt.....

Date.....