

INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus
Farmagudi, Ponda, Goa 403401
E-mail: purchase@iitgoa.ac.in

GSTIN: 30AABAI1653D1ZF

PAN: AABAI1653D

TAN: BLRI08261B

Enquiry No: IITGOA/2023-24/001

Date: 12/06/2023

IIT Goa invites sealed quotations in two bid form for the supply of below mentioned item: -

Sl. No.	Description of Item	Qty
1	Modular Gas Control Panels (Detailed specifications attached)	06 Nos.

Terms & Conditions: -

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Prices: Prices should be quoted in INR – F.O.R., IIT Goa basis only.
5. Payment terms: Within 30 days after the delivery and successful installation of items at IIT Goa.
6. Delivery and installation should be made within 4 – 6 weeks of getting a confirmed order.
7. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.
8. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT). This is also applicable for bidders bidding for finished goods procured directly/indirectly from the vendors from the countries sharing land border with India.
9. Kindly specify the Country of Origin of goods being offered in your quotation.
10. The bidder must be either OEM or authorized dealers or resellers of the original manufacturer of the proposed equipment in India. Both cannot bid simultaneously for the same item/product in the same tender.
11. Quotations shall be submitted in two parts;
 - 1) **Part – I (Technical)** should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance certificates, proprietary certificates (if applicable), any other certificates/details etc. This envelope should be marked as “Technical Bid.”

- 2) **Part -II (Financial)** The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.
12. The successful bidder must submit a Performance Guarantee Bond for 3% of the Purchase Order value and valid till one year plus sixty days OR up-to warranty period whichever is later from the date of issue of Purchase Order. Performance Guarantee Bond may be submitted within 15 (Fifteen) days from the date of order acknowledgment as a successful bidder.
 13. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason in public interest.
 14. For any clarification, you may kindly contact Dr. Santosh Kumar (E-mail: skumar@iitgoa.ac.in) and the Stores & Purchase Section (email: purchase@iitgoa.ac.in) till 23/06/2023.
 15. All sealed quotations must be super scribed with the tender enquiry number and should reach to the Deputy Registrar (Stores & Purchase), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda, Goa, 403 401 by 17.00 Hrs on or before 03/07/2023.

Sd/-
Registrar, IIT Goa

Specifications of Gas Control/Manifold Panels:

- It shall be a single-stage single-cylinder control panel with a modular design.
- There shall be separate gas control panels for each gases.
- 1 unit of the panels are required for following gases:
 - o N₂
 - o Ar
 - o 95% N₂ + 5% H₂
 - o 95% Ar + 5% H₂
 - o O₂
 - o CF₄
- Each panel shall be compatible for gases up to 6.0N purity
- The panel shall have a small form factor (i.e., the longest dimension <300 mm) and shall be mountable on the wall as well as in a gas cabinet.
- Each panel shall have following components/connections/valves/gauges:
 - o Flexible pigtail hose with a gas specific CGA connection matching to the 46.7 Ltr water capacity cylinder.
 - o Each hoses shall have filter gaskets of ≤10 micrometer rating, for connecting the panel with the cylinder
 - o Pressure regulator
 - o Inlet pressure gauge (BT type)
 - o Outlet pressure gauge (BT type)
 - o Relief valve outlet
 - o Safety valve outlet
 - o High-pressure purge valve
 - o Check valve
 - o Low-pressure shut-off valve (provision, quote as an optional item)
 - o All outlets with 6 mm SS compression fittings
- The pressure regulators shall meet the following specifications:

Parameter name	Parameter specification
Gas purity compatibility	6.0N
Single stage	Yes
Filters	At input ≤10 micrometer, at output ≤100 micrometer
Working temperature range	-20 degC – 60 degC
Valves standards	ISO 10297:2015 or equivalent
Design, approval, test standards	ISO 7291 or EN ISO 2503 or equivalent
Leakage rate to atmosphere	≤ 10 ⁻⁸ mbar l/s Helium
Leakage rate to seat	≤ 10 ⁻⁶ mbar l/s Helium
Regulator body material	SS 316L

Regulator diaphragm	Hastelloy
Regulator seat	PCTFE
Regulator poppet	SS
Relief valve seat	EPDM
Max inlet pressure	200 bar
Max outlet pressure	10 bar
Pressure gauge rate	25 bar
Cracking pressure relief valve	15.4 bar
ATEX compatibility	Yes
O ₂ compatible	Yes

- Following types of CGA connectors shall be there on the cylinder side of the hoses connecting cylinder with the panels:
 - o CGA 580 for Argon, Nitrogen, Helium, and CF₄;
 - o CGA 540 for Oxygen
- The various test certificates, certificate of conformity, operating manual and general assembly drawings shall be provided.
- The bidder/OEM shall provide the complete technical details (model numbers, brochures, etc.) of the quoted products.
- The bidder/OEM shall provide a minimum of 2 years of warranty on the product, and shall provide support & services for a minimum period of 10 years.

UNDERTAKING FOR BID SECURITY

(To be issued by the bidder on company's letterhead in lieu of EMD)

To,
The Registrar,
Indian Institute of Technology Goa,
At GEC Campus, Farmagudi, Ponda – Goa

We, M/s (name of the firm), with ref. to enquiry no.
..... dtd hereby undertake that:

- 1) We accept all the terms and conditions of the tender document.
- 2) We accept that, we will not modify our bid during the bid validity period, submit performance guarantee within the stipulated period and honor the contract after award of contract.
- 3) In the event of any modification to our bid by us or failure on our part to honor the contract after final award or failure to submit performance guarantee, our firm may be debarred from participation in any tender/contract notified by Indian Institute of Technology, Goa for a period of one year.

Yours faithfully,

(Signature of the bidder with date and seal)

(To be printed on letterhead of the bidder)

Bidder's Information

1	Name of the Bidder	
2	Address of the Bidder	
3	PAN No.	
4	GSTIN	
5	E-mail	
6	Contact Person's Name & Designation	
7	Mobile No.	

Reasonability of Prices

Please quote best minimum prices applicable for a premier Educational and Research Institution. The party must give details of at least two purchase orders identical or similar equipment, supplied to any IITS/Research Institutions/ other organization as per below Format **(to be enclosed in Financial Bid)** along with the final price paid and details are mandatory.

Previous Supply Orders

Name of the Firm _____

S.No.	PO No. & Date	Description & Quantity of ordered equipment	Value of Order	Date of completion of delivery as per contract	Remarks indicating reasons for late delivery, if any and justification of price difference of their supply order & those quoted to us	Has the equipment being installed satisfactorily (attach a certificate from the Purchaser/ Consigner)	Contact Person along with Telephone no., Fax No. and e-mail address

Place: _____

Date: _____

Signature and Seal of the Manufacturer / Bidder

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on **Non-judicial stamp paper** of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT GOA OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT GOA OR ANY SCHEDULED BANK SITUATED AT GOA. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.

To,
The Registrar,
Indian Institute of Technology Goa
Farmagudi, Ponda,
Goa – 403401

LETTER OF GUARANTEE

WHEREAS Indian Institute of Technology Goa (Buyer) have invited Tenders vide Tender No..... Dt. for purchase of

AND

WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of “**Registrar, Indian Institute of Technology, Goa**” in the form of Bank Guarantee for Rs (**3% (three percent) of the purchase order value**) and valid till **one year plus sixty days or up to warranty period whichever is later** from the date of issue of Performance Guarantee Bond may be submitted within 15 (Fifteen) days from the date of Order Acknowledgment as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to Indian Institute of Technology, Goa on demand and without protest or demur Rs..... (Rupees.....).

This Bank further agrees that the decision of Indian Institute of Technology, Goa (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or Indian Institute of Technology, Goa (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. (Indian Rupees only).
2. This Bank Guarantee shall be valid up to(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IIT Goa serve upon us a written claim or demand on or before (date).
4. This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at (Address of local branch).

Date:

Yours truly,

Signature and seal of the Guarantor:

Name of Bank:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.