

 IIT PALAKKAD	भारतीयप्रौद्योगिकीसंस्थानपालक्काड <b>Indian Institute of Technology Palakkad</b> अहलिआ एकीकृत कैम्पस, कोज़िहपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557	दूरभाषसंख्या/ Phone no: 04923 – 226 586/561 ईमेल/ Email : purchase@iitpkd.ac.in
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### Tender for Inviting Quotations

**Ref No: IITPKD/CIF/DJ/018/2018**

**Date: 04.06.2018**

**Due date for the tender: 19.06.2018 at 3.00 PM**

Dear Sirs,

On Behalf of Indian Institute of Technology Palakkad quotations are invited for supply of “**Gas Cylinders, Gas Regulators and Cylinder Trolley**” confirming to the specification in the Annexure.

- 1. Preparation of Bids:** - The tenders should be submitted **under two-bid system** (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical bid and the Financial should be put in separate cover and sealed. Both sealed covers should be put into a bigger cover. If it is single bid cover, the quotation will be rejected automatically.
- 2. Opening of the Bids:** The offer/ Bids will be opened by the committee duly constituted for this purpose. The Technical bids will be opened and will be examined by the Technical Committee, Which will decide the suitability of the bid as per the specification and requirements. The financial offers/ bids will be opened only for the bidders **who meet all the Technical requirements.**
- 3.** The Quotations duly sealed and superscribed on the envelope **with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above. Fax and Email quotation are not acceptable.**
- 4.** The price should be quoted per unit inclusive of and packing and delivery charges should be indicated. The offer/bids should be exclusive of Taxes However the percentage of taxes as on date should be clearly indicated.
- 5.** The Quotations should be valid for **sixty days** from the due date and the period of delivery required should also be clearly indicated.

6. Goods shall not be supplied without an official supply order.
7. **Custom Duty:** Custom Duty which will be paid at a concessional rate against duty exemption certificate.
8. **Concessional GST: Concessional GST@ 5% will be paid extra against GOI Notification 47/2017, Dated 14.11.2017**
9. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later. No advance payment will be made. The Tenderer have to furnish the bank details along with tender such as Account No, Account Name, IFSC Code etc.,
10. **Submission of Bids:** Quotation should be sent to the following address “**The Registrar, Indian Institute of Technology Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad -678 557, Kerala**”, Phone No: 04923 226 586/561 , Email : [purchase@iitpkd.ac.in](mailto:purchase@iitpkd.ac.in)
11. **Delivery Period:** The quotation should indicate clearly when delivery and installation will be made.
12. **Delay in Supply or Liquidate damages:** If the supplier fails to deliver the stores within the time specified in the purchase order, the purchaser will recover from the supplier as liquidated damages a sum of one- half of one percent (0.5%) of the P.o value of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed five percent (5%) of the P.o price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.
13. **Late offer:** The quotation received after due date will not be considered. Please ensure that your offer is sent well in advance to reach the Institute by the due date.
14. **Warranty:** The bidder shall specify the warranty period clearly for the furniture.
15. **Acceptance and Rejection:** IIT Palakkad has the right to accept the whole or any parts of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

Yours faithfully

Registrar, IIT Palakkad

## Tender Specifications

Tenders are invited for the following items for Research & Development work. Tenderers must quote the price for each of the Parts A, B or C separately.

### Part A Specifications for Gases

Specifications

1. Following gases are to be provided in high quality steel cylinders with safety valves.
2. Tenderer must provide pricing in separate columns for outright purchase of cylinder with gas and refilling costs for each gas separately.
3. Certification of purity must be attached along with the cylinders.

Gases	Volume	Number required
Carbon dioxide (99.999%)	10 L	1
10% Ammonia in Helium	47 L	1
5% CO in Helium in Aluminium cylinder	10 L	1
Dry Nitrogen (99.999%)	47 L	2
2% CO <sub>2</sub> in Nitrogen	10 L	1
Helium (99.999%)	47 L	1
5% Hydrogen in Argon	10 L	1
5% Oxygen in Helium	47 L	1
Argon (99.999%)	47 L	2

### Part B Specifications of Gas Regulators

Tenders are invited for the following items for Research & Development work.

- The dual-stage, stainless steel make, pressure regulators must consist of cylinder connections, pressure regulator, pressure display, inlet- and outlet gauges, diaphragm shut-off valve (Type -16) regulating valve (Type -18), relief valve, tube fitting on outlet.
- The regulator must permit shutting-off of the gas flow while maintaining the pressure regulator settings.
- The regulating valve enables a fine controlling of the gas flow.
- Pressure regulator must have stainless steel diaphragm
- ATEX conform adjustment knob.
- Gauge in safety version accordance with DIN EN 837
- Max inlet pressure 230 bar
- Max outlet pressure 6 bar
- The tender must quote unit price and the total price separately.
- For gases such as NH<sub>3</sub>, the regulator must be certified anti-corrosive features.
- The regulator must be provided with adaptors to connect to 1/8 and 1/4 inch SS tubes.

Double stage SS make regulators for the following gases	Number required
Carbon dioxide type	1
Ammonia	1

5% CO in He in Aluminium cylinder	1
Dry Nitrogen/Helium/Argon type	5
10 % NH <sub>3</sub> in Helium type	1
5% Hydrogen in Argon	1
5% Oxygen in Helium	1

**Part C**  
**Specifications of Gas Accessory Products**

1. Electronic leak detector for CO – 1 Number

2. Electronic leak detector for H<sub>2</sub> – 1 Number

3. Cylinder trolley:

- Double wheeled powder coated steel trolley for transportation of 47 L cylinders.
- The trolley must be provided with chains to secure the cylinder during transportation.
- The wheels must be made of rubber coated steel.
- The holding arms of the trolley must have firm grip.