

**Foundation for Innovation and Technology Transfer
(FITT)**

Notice Inviting Quotations for supply of Nitrogen Generator

NIQ no. FT/11/84/2016

Date: 16th March 2021

Quotations are invited for a Nitrogen Generator. The required specifications are given below. Complete technical information should be provided along with the Technical bid.

Technical specification for Nitrogen Generator

- High throughput proven membrane technology for imported nitrogen generator with in-built compressor to support the generation of nitrogen. In-built compressor should be insulated in compressor compartment to minimise the noise in lab. As the system must work within lab it should not be more than 57db to disturb the lab operation.
- Should be able to generate ≥ 35 LPM (purity 95-99.5 %) with max 116 psi pressure of LCMS grade nitrogen gas.
- Nitrogen generator should be approved by all the major LCMS manufacturers – Agilent Technologies; Thermofisher scientific; Waters; Sciex (a certificate from leading OEM's should be submitted in this regard).
- Should have minimum of 20 installation of nitrogen gas generators with LCMS across IIT's in North India & at least 100 installations with Agilent technology LCMS & user list has to be provided by the company to ensure the quality & establishment of LCMS.
- System must come with visual alarms to avoid unexpected breakdown.
- Generator must have inbuilt power saver mode to save the continues operations of gas generator to save the generator life.
- Hydrocarbon content should be < 1 ppm in order to save hydrocarbon free nitrogen in LCMS operations.
- Company must have dedicated engineers for gas generators & proven service record to support the critical application.
- Sufficient consumable & spares stock should be available at local regional office to support timely service.
- Generator must have compact size to even fit under standard lab bench to save the lab space and should have wheels for necessary movement in lab.

Others:

1. Service- should have all the spares stock in Local service office.
2. International Certifications:- the company must have CE & CSA certification to ensure the product / equipment's standard of quality in international market.
3. Company should have a proven track record of at least 150 generators installation since last 5 years.

4. Serviceability- vendor must have local stationed engineer in the region to ensure the direct service support with-in 24 hours of service issues.
5. Installation at the desired place suggested by the institute.
6. Warranty of the generator should be 3 years from date of installation, post warranty 1 year complete annual maintenance service kit should be included.

Terms & Conditions Details

1. The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid
2. The quote should reach the following address **on or before 5:00 PM on 26th March, 2021.**

Prof. Anurag Singh Rathore
Department of Chemical Engineering
IIT Delhi, Hauz Khas
New Delhi, 110016

3. Please quote prices for FOB New Delhi, inclusive of all taxes and duties.
4. Please specify all of your terms and conditions clearly, including delivery period.
5. Authorized dealer for the OEM/Spare must attached Certificate of Authority and statement that the firm shall conform to the latest amount by the OEM (to be attached)
6. FITT reserves the right to accept or reject any or all quotations without assigning any reasons thereof.
7. Quote must be in Indian Rupees and must be valid for at least three months.
8. Technical literature and proof of similar past installations in India must be provided.
9. If quote is being submitted by a representative of the manufacturer/OEM, a valid agency-ship or dealership certificate authorizing the agent to quote on behalf of the manufacturer/OEM must be enclosed. Principal and vendor, both, are not allowed to quote for the same product.
10. Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.
11. The purchase committee reserves the right to accept or reject any or all quotations without assigning any reasons thereof. In all matters, the decision of the purchase committee will be final and binding.