

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Department of Earth Sciences

***REVISED**

Enquiry No: ES/PROJECT/SM/2017-18/04

Date: 28.11.17

Subject: Quotation for supply of Maximator Pump and Gas Booster for Co2 Application as mentioned below.

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover in order to reach us by **December 1st, 2017** in the form of a hard copy to the address mentioned below. If you have any question please call Dr. Santanu Misra at 0512-2596812, email: smisra@iitk.ac.in.

The prospective suppliers are required to send quotation in two parts in sealed envelopes, as "Technical Bid" and "Financial Bid". The Technical Bid should contain detailed technical specification of the product being offered and should not mention any prices. The Financial Bid should include the detailed price quotation clearly including the cost of the equipment, taxes, service charges if any, shipping and handling charges. **The two separate and sealed envelopes should be clearly marked appropriately as "Technical Bid" and "Financial Bid".**

NOTE: - Kindly write the inquiry no on the top of envelop.

Technical Specification for Single Acting, Singal Stage and Single air drive head Booster for CO2 application.

Requirement	Air driven High Pressure CO2 Pressure Booster To Feed Co2 From A Cylinder Of Low Pressure (15 Bar) To Autoclave At High Pressure (Max. 200 Bar).
Service Gas	Carbon Diaoxide.
Pressure rating	Max. 300 bar.
Operation	Should be Air Driven and should start working at min. air pressure of 1 bar.
Utility available at site	Clean dry compressed air at pressure 7 bar max.
Booster Specification	Type : Single Action, Singal Stage, Single air drive head.
Pressure ratio :	min. 1:30
Compression ratio :	min. 1: 20
Min. Suction Pressure requirement :	Min. 15 bar.
Max. Outlet Pressure :	Min. 300 bar.
Displacement volume should not be less than :	min. 60 CC
Connections:	
Air Drive :	3/4" BSPF
Gas Inlet :	1/4" BSPF
Gas Outlet :	1/4" BSPF
Seal Packages for Booster	Suitable for CO2 service.
Material of Constrution	
Compressor Head should be :	Stainless Steel Grade 1.4305
HP Cylinder should be :	Stainless Steel Grade 1.4542
HP Piston should be :	Stainless Steel Grade 1.4305
Fitting should be :	Stainless Steel Grade 1.4305
Balls should be :	Stainless Steel Grade 1.4034
Spring should be :	Stainless Steel Grade 1.4310
Weight	Should not exceeds 13Kg for bare Booster

Terms and Conditions:-

1. Maximum education discount, if any should be offered
2. Validity of quotation should be at least for 60 days
3. Prices should be on CIF and FOB separately (if imported)
4. Prices should include the installation and training cost.
5. Normal payment terms for the Institute will be applicable (90% on delivery of the items and the remaining 10% after satisfactory installation/ inspection).
6. Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.

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