



Indian Institute of Technology Kanpur, Kanpur  
Department of Mechanical Engineering

Inquiry no: ME/SDE/2017/DFBG/2

Date of Opening: September 22, 2017

Date and time of Closing: 5 pm, October 6, 2017

Sealed bids are invited for the purchase of an air compressor with suitable capacity air drier & filters for uninterrupted supply of **compressed dry air** (CDA) with minimum flow rate of 180 cfm. Specifications and other details for submitting bids are given below.

**Air Compressor Specifications:**

<b>Type</b>	Single stage oil injected screw air compressor with free air delivery of approximately 180 cfm and supply pressure of 13 bar
<b>Capacity:</b>	180 cfm (approx.)
<b>Supply pressure:</b>	13 bar
<b>Sound level:</b>	≤ 70 db (approx.)
<b>Protections:</b>	Unit must have low/high voltage protection, high pressure/temperature protection, over-load protection, single reverse phase protection and on-line failure monitoring system.
<b>Storage Tank with air pressure reducing valve:</b>	Compressor is to be connected with one air receiver of 5000 litres capacity with suitable Pressure gauges, Safety valves, Inlet & outlet connections with Stop cocks, Automatic moisture drain valves and should be manufactured as ACME VIII standard. An air pressure reducing valve for discharge pressure in the range of 13 bar - 1 bar should be fitted to the discharge line after the storage tank.
<b>Compressor should consist of</b>	<ul style="list-style-type: none"><li>• High efficient intake air filters to take care 99.99% efficient up to 3 micron.</li><li>• Oil tank with oil separator, MPV &amp; after cooler for air &amp; oil cooling fan arrangement.</li><li>• After cooler, it should have 100% water separating devised to remove the condensate form the cooler.</li><li>• Compressor should have all internal fitting like Air Filter, Oil Filter, Air / Oil Receiver Tank &amp; Cooler and should be covered sound less canopy.</li><li>• Compressor should have all control safety features. Oil temperature, high load/unload pressure, main motor and cooling fan over current protection, single phase &amp; reverse rotation protection etc.</li><li>• Compressor should have power saving feature during unload running.</li><li>• The unit should be PLC controlled and all running and safety parameter should be displayed in same PLC unit.</li></ul>

Kindly also note the followings terms and conditions:

1. All quotations must reach the undersigned on or before the closing date.
2. Supplier/Vendor should submit technical and financial bid together in separately sealed envelopes.
3. **If the product needs to be imported, then please provide financial bid in the foreign currency applicable.**
4. The firm should supply authorization certificate by the original equipment Manufacturer, for dealership/distributorship along with the quotation. Parent company should be an



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established company with good number of installations and after sales support in India as well: Attach details.

5. The firm should submit complete technical leaflet of the compressor along with the quotation.
6. Evaluation will be done on the basis of technical specification format provided as per our tender notice. Technical details for various components should be attached along with the quote.
7. Financial bid will be open only for those, who meet T&C and tender technical specification.
8. Firm should quote for the consumables, for two years trouble free running.
9. The firm should give a declaration that they have not been blacklisted/debarred for dealing by Government of India in the past.
10. Please do mention tender number clearly on envelope.
11. Please send complete contact details of the person/ organization to whom your company had supplied similar systems.
12. The supplier must have supplied systems to institutions of national and/or international repute.
13. Normal payment terms for the institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection).
14. Vendor must provide clear warranty period in your offer.
15. Validity of quotation should be at least for 60 days.
16. Installation charges should be included in the commercial bid.
17. Maximum educational discounts should be applied.
18. Delivery period should not be more than 6-8 weeks and delivery should be at IIT Kanpur. Earlier delivery may be preferred.
19. The intender reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
20. The price should be FOR IIT Kanpur and it should also be inclusive of packing and forwarding charges, commissioning and installation charges at IIT Kanpur.

After sales service:

1. The vendor should have quick service support for IIT Kanpur with adequate service persons, spares & all required accessories.
2. Single point of contact for support: Vendor has to provide details of single point of contact viz. designation, address, email address, and telephone/mobile no.

For further queries, please contact Mr. Saurabh Gupta (9903082909, email: [saugupta@iitk.ac.in](mailto:saugupta@iitk.ac.in), [sauguptasam@gmail.com](mailto:sauguptasam@gmail.com)).

Kindly send the quotation in sealed envelope latest by 5 pm, Oct. 6, 2017.

to the following address.



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Address for the quotation:

Dr. Santanu De  
Assistant professor,  
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