



INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

GT ROAD, KALYANPUR, KANPUR – 208016

UTTAR PRADESH, INDIA

TENDER REFERENCE NO.: IITK/ME/AM/2022/02

Bid Submission End Date- 04.08.2022

Tender Document

For

“Purchase of Centrifugal Fan-Couple driven reg.”

Tender document

Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

Tender Ref. No.: IITK/ME/AM/2022/02

Bid Submission Start Date: 22.07.2022

End Date: 04.08.2022 at 17:30 hrs

Sealed quotations are invited for **Supply of Centrifugal Fan (Couple Driven) With motor**
The detailed specifications and address are given below.

Specifications of the Centrifugal Fan:

Selection data:

Fan Inlet Diameter	mm	900
Fan Impeller Diameter	mm	1,120
Flow rate	V [m ³ /h]	59,400
Static pressure	ps = pt-pd2 [Pa]	1,610
Total pressure	pt [Pa]	2,013
Inlet density	Rho [kg/m ³]	1.200
Inlet pressure	p1 [kPa]	101.360
Inlet temperature	T1 [°C]	20
Fan speed	n [1/min]	1,474
Impeller power	Pw [kW]	45.8
Rated motor power	PM [kW]	55
Efficiency at operating point	Eta [%]	72.05
Impeller power (Rho1.2)	Pw [kW]	45.77
St.pressure (Rho1.2) pst=pt-pd2 [Pa] []	1,609
Total pressure (Rho1.2)	pt [Pa]	2,013
Sound pressure 1m (ISO-D)	Lp [dB(A)]	86(91)*
Blade frequency	f [Hz]	197
Tip speed	u2 [m/s]	79.49
Inlet speed	c1 [m/s]	25.93
Outlet speed	c2 [m/s]	25.94
Temperature increase	dT [°C]	2.29
Compressibility coeff.	k [-]	0.993
Fan flow-rate coeff.	phi [-]	0.249
Pressure coeff.	psi [-]	0.502
Improve-/Devalue-factor [-]	[]	1.025
Appx. impeller weight	[kg]	135
Appx. mass moment of inertia [kg m ²] []	24.70
Appx. starting time	ta [s]	12
ca. Standard Rundown time	td [s]	73

Terms and Conditions:

1. All vendors are requested to submit “**Technical and financial bids**” together in separately sealed envelopes.
2. Evaluation will be done on the basis of technical specification given in tender specifications given in tender document.
3. Financial bid will be open for those only who qualify all the technical specification as per our tender notice.
4. Quotation must be valid for 60 days.
5. **Payments terms:** 100% after delivery.
6. **Warranty** should be clearly mentioned, the Warranty must start from the date of installation at IITK.
7. Only OEM or its authorized agents should quote, Quotation should carry proper certifications like proprietary certificate/ authorization certificate from manufacturer, etc.
8. Quotation must integrate FOR prices.
9. The delivery period should within **10 - 12 Weeks** after receipt of PO.
10. At any time prior to the deadline for submission of bid, the institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
11. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment if supply is not completed within aforesaid delivery period.
12. The indenter 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 the above conditions without assigning any reason is reserved.
13. It is mandatory to provide local content (MII certificate) & country of origin for the quoted product.

Dr. Akhilesh Mimani

Department of Mechanical Engineering

Indian Institute of Technology Kanpur

Kanpur 208 016, India

Email: amimani@iitk.ac.in

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: - _____

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Certificate for Tender
(To be given on Company Letter Head)

Date: _____

To,

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: _____

Name of Tender / Work: - _____

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Declaration for Local Content

(To be given on Company Letter Head - For tender value below Rs.10 Crores)

(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)

Date: _____

To,
The Director,
Indian Institute of Technology Kanpur,
GT Road, Kalyanpur, Kanpur -208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work: - _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has _____% local content.

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”*

**Yours Faithfully,
(Signature of the Bidder, with Official Seal)**