



**Department of Aerospace Engineering
Indian Institute of Technology Kanpur**

Kanpur – 208 016, INDIA

Phone : (Off) + 91-512-259-7936

(Dept.) + 91-512-259-7626

Fax : + 91-512-259-7626, 7561

E-mail: shekhar@iitk.ac.in

C.S.Upadhyay
Professor

Dated: 05 February 2013

Letter No. AE/ACECOST/CSU/2013-01

Quotation Request Notice

Sealed quotations are invited from dealers/distributors for “**DSC-TGA and/or TMA**”, as per following specifications. The quotation should be submitted within 15 days of issuing of notice. The quotation should include all taxes and delivery charges. However, these charges should be mentioned separately.

Opening Date: 05 February, 2013.

Closing Date: 15 days for the Opening date

The specifications required are as follows:

01. DSC-TGA

Simultaneous DSC-TGA machine with the following features: True simultaneous measurement of heat flow (DSC) and weight change (TGA) on same sample from -10°C to atleast 500°C ; low noise levels; high TGA balance sensitivity; separate sample and reference pans for calibration and for heat flow measurements; automated furnace movement; purge gas system with digital mass flow controllers and programmable gas switching capabilities. The machine should be capable of use in the DTA-TGA mode, and also in the dual sample mode, where separate TGA and DTA signals are available from two samples run simultaneously. Provide also the accessory kit containing sample pans, calibration and test materials, plus tools; accompanying relevant data acquisition and analysis software. *The equipment will be primarily used to study curing thermosetting and thermoplastic resins, with and without hardener systems.*

02. TMA

Thermal mechanical Analyzer with Mass Flow Control: A research-grade TMA with standard operating modes (temperature ramp, isostrain, force ramp); advanced modes (stress ramp, strain ramp, isostrain); creep, stress relaxation; dynamic TMA, and modulated TMA(tm) modes, respectively; temperature range of -10C to atleast 500C (heating and cooling systems should also be included) with precision temperature control and thermal cycling modes; desired automated furnace and probe movement, automated sample dimension measurement, and automated air-cooling; instruction manual; accessory kit including coefficient of expansion calibration standard, temperature



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calibration standard, standard expansion probe, penetration probe, macro-expansion probe, quartz sample stage; flexure kit; digital mass flow controller; holders for film samples and tubular samples (not essential). *The equipment will be primarily used to study curing and cured thermosetting and thermoplastic resins, with and without hardener systems.*

Please provide separate quotations for the two configurations.

The Quotation should be sent to:

Prof. C.S.Upadhyay
Department of Aerospace Engineering
Indian Institute of Technology Kanpur
UP 208016
Ph-0512-2597936
Email: shekhar@iitk.ac.in

Model quotations for import and indigenous purchases are attached.



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Model Quotation for Imports for the use of vendor

Dated:

To
Dr./Prof.
Dept.
Indian Institute of Technology, Kanpur

Sub : Quotation for supply of :
Ref : Your enquiry letter no: & date:

Sir / Madam:

With reference to your enquiry letter on the subject mentioned above, the following quotation is hereby submitted for your consideration, in a sealed cover.

II Supplier Details: Agency / Vendor name: Local Agent:

1. Address :
2. Ph.No :
3. Mobile :
4. Email :
5. Bank A/c No :
6. Bank Name & Add. :
7. SWIFT/ IFSC Code :

III. Description & Costs of Material / Equipment:

Sl No.	Complete description / specification of items required	Model No.	No of Units	Unit Price	Total Amount
1	Default Specs:				



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2	Optional Specs:				
3	Agency Commissions, if any				
4	Discounts, if any				
5	Shipment cost: <ul style="list-style-type: none"> • Ex-Work • Free on Board Value (FOB) • Cost-Insurance-Freight (CIF) • Cost & Freight (C&F) • Free Carrier Arrangement (FCA) <i>(Choose one of the above, as applicable)</i>				
6	Total Cost in INR /US\$ / other currency (specify):				

IV. Estimated Taxes :

	Taxes:	
	• Customs Duty as applicable	
	• Service Tax	
	• Other duties / taxes	
	Total Taxes:	

V. Freight charges (if not included in shipment costs mentioned above) :

	Item	Description
1	Freight Value	
2	Insurance Charges	
3	Packing and Forwarding Charges	
4	Documentation charges	
5	Total Insurance & Freight charges in foreign	



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	Currency	
6	Transportation Charges	
7	Other Charge, if any	
	Total Cost / quotation & Total Equal Value in Indian Rupees approx as on the date (III+IV+V)	

VI. Terms & Conditions:

	Item	Description
1	Guarantee/Warranty Yrs.	
2	AMC Value per annum	
3	Costs for additional warranty, if any	
4	No. of Preventive Maintenance Service visits per annum	
5	Validity period of quotation (Min. 60 days)	
6	Payment Terms: LC / TT upto US\$ 10K / DD upto US\$ 10K / CAD / Net 30 / Others (Choose one of the above, as applicable)	
7	Any other details	

VII: Other information of import:

Sl No.	Particulars/Specifications	Description
1	Country of Origin for Shipment	
2.	City of Origin for Shipment / Port of Shipment	
3.	Port of Lading	
4.	Delivery Period	
5.	Shipment Mode: (a) Air (b) Ship (c) Road (d) Rail (e) Others	
6.	Approximate Dimensions after packing Length X Breadth X Height	



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	Weight	
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VIII) : Certifications & Enclosures for imports:

1. Technical Literature/Catalogue of equipment
2. Authorization letter from Principal Supplier in favour of Indian Agent attached
3. Certification from Agency including agency commission payable
4. Proprietary certificate, as applicable
5. Additional information, if any.

Signature of the authorized signatory

Date & Seal:



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Model Quotation for *Indigenous purchase*

Dated:

To
Dr./Prof.
Dept.
Indian Institute of Technology, Kanpur

Sub : Quotation for supply of :
Ref : Your enquiry letter no: & date:

Sir / Madam:

With reference to your enquiry letter on the subject mentioned above, the following quotation is hereby submitted for your consideration, in a sealed cover.

I Supplier Details : Agency / Vendor name: Local Agent:

1. Address :
2. Ph.No :
3. Mobile :
4. Email :
5. Bank A/c No :
6. Bank Name & Add :
7. RTGS / NEFT Code :
8. Registration Details like PAN / VAT / Service TAX etc:

II. Description & Costs of Material / Equipment :

Sl No.	Complete description / specification of items required	Model No.	No of Units	Unit Price	Total Amount
1	Default Specs:				



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2	Optional Specs:				
3	Total Cost in INR: a) Free on Rail b) Ex-Work				
4	Transportation charges				
5	Packing & Forwarding charges				
6	Transit Insurance				
7	Other Charge, if any				
8	Taxes				
	<ul style="list-style-type: none"> Excise Duty / Customs Duty, if applicable 				
	<ul style="list-style-type: none"> Sales Tax / CST / VAT Octroi, if applicable Service Tax 				
	<ul style="list-style-type: none"> Other Duties / taxes 				
	Total Value of quotation				

IV. Terms & Conditions:

	Particulars	Description
1	Guarantee/Warranty Yrs.	
2	AMC Value per annum	
3	Costs for additional warranty, if any	
4	No. of Preventive Maintenance Service visits per annum	
5	Validity of quotation (Min. 60 days)	
6	Delivery Period	
7	Method of Payment: (a) ECS (b) Cheque (c) DD (d) CAD (e) TT (f) LC	
8	Payment Terms	
	<ul style="list-style-type: none"> 90% on delivery & 10% after installation & approval of inspection report. 100% on installation and on inspection report submission 	



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	<ul style="list-style-type: none">• Advance payment up to 100 % against Bank guarantee• Any other Conditions	
9	Any other details	

Encl: Literature

Signature of the authorized signatory

Date & Seal: