

UNIVERSITY OF MUMBAI



UNIVERSITY OF MUMBAI

TENDER NOTICE (2nd Extension)

Separate sealed Quotations/Tenders for purchase of following items were invited, for and on behalf of University of Mumbai by the Head, Department of Chemistry, University of Mumbai; vide our advertisement published in this news paper dated 18th December 2012. The last date of receiving the sealed tenders was Tuesday, 15th January 2013.

It is hereby notified that the last date of receiving the sealed tenders is extended upto **Saturday, 7th February, 2013.**

Immersion Cooler / Counter cooling open bath circulators for rapid cooling of liquids.

Details regarding the same are available on our website <http://mu.ac.in/tenders.html>.

Sd/-
(Dr.A.K.Srivastava)
Prof.& I/c Head ,
Department of Chemistry
University of Mumbai
Mumbai-400 098.

Department of Chemistry,
University of Mumbai,
No. :
Date: December, 2012

To,

Separate sealed Quotations/Tenders for purchase of following items are invited, for and on behalf of University of Mumbai by the Head, Department of Chemistry, University of Mumbai, so as to reach him in his office latest by 4.00 p.m. on Tuesday, 15th January 2013.

1. **Immersion Cooler / Counter Cooling Open Bath Circulators for Rapid Cooling of Liquids,**
2. **UV-Visible Spectrophotometer,**
3. **Spin Coater.**

Blank forms containing terms and conditions of supply and technical specifications are available at the office of the Head, Department of Chemistry, University of Mumbai, on all working days between 11.00 a.m. and 4.00 p.m. from Wednesday, 26th December 2012 to Monday, 14th January 2013, on payment of ₹ 500.00 (₹ Five Hundred only) in cash OR can be downloaded from our website <http://mu.ac.in/tenders.html> and submitted alongwith a DD of ₹ 500.00 (₹ Five Hundred only) in favour of 'Finance and Accounts Officer, University of Mumbai'. The quotations/tenders duly complete in all respects, along with the necessary documents should be submitted to the Head, Department of Chemistry, University of Mumbai, latest by 4.00 p.m. on Tuesday, 15th January 2013.

The quotations/tenders so received, shall be opened on Monday, 21st January, 2013 in the office of the Head, Department of Chemistry, University of Mumbai, Lokmanya Tilak Bhavan, Vidyanagari, Santacruz (E), Mumbai, 400 098, in presence of representatives of the suppliers. Right to reject any or all tenders, without assigning any reason thereof, is reserved by the University of Mumbai.

Sd/-
(Dr. A.K. Srivastava)
Prof. & I/c Head,
Department of Chemistry,
University of Mumbai.

Department of Chemistry, University of Mumbai,

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A - Terms and conditions

Part B - Specifications

Price ₹ 500.00 (non refundable)

Important Dates

Sale of Tender forms	Wednesday, 26 th December 2012 to, Monday 14 th January 2013. (All working days, from 11.00 a.m. to 4.00 p.m. except 2 nd and 4 th Saturday, Sundays and Public Holidays)
Last Date for receiving sealed Tenders	Tuesday, 15 th January 2013 upto 4.00 p.m.
Date of Opening of Tenders	Monday, 21 st January 2013.

Head, Department of Chemistry
(Seal & sign)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A -Terms and conditions of Supply of

**Immersion Cooler / Counter Cooling Open Bath Circulators
for Rapid Cooling of Liquids**

Part A -Terms and conditions

1. The last date and time for the acceptance of the quotations / Tenders is Tuesday, 15th January 2013 up to 4.00 p.m.
2. The tenderers shall submit the following documents along with their quotations / tenders.
 - a. Income tax clearance certificate, from the Income Tax officer concerned, certifying that the tenderer has cleared all the Income Tax dues.
 - b. Suppliers should state whether they are a Propriety Firm, Partnership Firm or a Private / Public Limited Company and furnish a profile of the firm / company. They should also clearly mention whether they are manufacturers, authorized dealers or retail suppliers.
 - c. The names of the organizations and the offices to which similar supplies have been made.
 - d. Earnest Money Deposit in the form of Demand Draft in favour of Finance and Accounts Officer, University of Mumbai, on any Scheduled / Nationalized Bank payable at Mumbai.
 - e. Sales Tax Registration No.
 - f. Technical specifications offered by the Supplier
3. The rates should be mentioned in the Schedule attached with the tender / quotation paper. Each page of the tender shall be signed in full and stamped with the seal by supplier. The supplier must clearly state in what capacity he or she is signing the tender.
4. The tenderers shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents referred to in Para 2 above and shall be sealed. The second envelope (Commercial Bid) shall contain the **Schedule**, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Both the envelopes then should be put together and shall be sealed in an envelope, and shall be submitted to the University by the prescribed time and date. The Technical Bid shall be opened first to ensure that the tenderers have submitted all the requisite documents. If the Technical Bids are not in order or are deficient in some respect, the Commercial Bids in respect of such tenders shall not be opened.
5. The amount of Earnest Money Deposit shall be 5% of the cost of supply subject to a maximum of ₹ 25,000.00 (₹ Twenty five thousand only). The Earnest Money Deposit should be in the form of Bank Draft drawn on a nationalized / scheduled bank (payable at Mumbai) in favour of the 'Finance and Accounts Officer, University of Mumbai', Fort Campus, Mumbai - 400 032.
6. Tenders / quotations not accompanied by the requisite amount of Earnest Money Deposit are liable to be rejected.

7. The amount of Security Deposit / Performance Guarantee shall be 5% of the cost. In case of successful tenderers the amount of Earnest Money Deposit shall be converted in Security Deposit / Performance Guarantee and refunded after the warranty period is over.
8. Supplier should read carefully all the instructions and terms and conditions, etc., before registering rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.
9. The offers made by the suppliers shall be open for acceptance for 120 days after the last date of submission of tender.
10. The quotation shall be opened by the Head, Department of Chemistry in his office on **Monday, 21st January 2013**. The tenderers or their authorized representatives shall be allowed to be present at the time of opening of the tenders.
11. In case of imported items / equipments the rates should be quoted in the light of exemptions enjoyed by educational institutions. The University is exempted from payment of Excise/Octroi and the necessary certificates / forms can be issued by the University.
12. Technical specifications of the instrument / equipment are given in the Annexure of these papers (Part B).
13. The delivery time of instrument / equipment should be clearly mentioned in the tender. No extension shall be granted to the contractors / suppliers for the period of delivery mentioned in the tender, under any circumstances.
14. If the supplier fails to deliver the article as per the delivery schedule, the University of Mumbai shall be free to procure the balance / undelivered supply, at the risk and cost of such supplier.
15. The goods, article, material supplied by the contractor shall be accepted after inspection by an officer authorized by the competent authority. No article / material which do not conform to the specifications laid down in the terms and conditions or damaged in transit or otherwise, shall be accepted.
16. The bills of the suppliers shall be paid by the University after all the article/ material/ instrument / equipment have been received, inspected as above.
17. The warranty period shall be at least for one year from the date of installation.
18. Supplier should give free service at least for three years after the warranty is over.
19. A list of spares/consumables required for hassle free functioning of the instrument for at least two years should be quoted additionally.

20. Undertaking from the manufacturer that parts will be made available at least for next ten years even after discontinuation of the supplied model is necessary.
21. A list of all the necessary accessories and spares required to make the unit functional should be provided. Names and phone numbers of the persons responsible for Sales and Service for this territory should be mentioned.
22. Supplier should have at least five orders from Institutions / Laboratories in the past three years (copies of the PO to be attached).
23. As the supplier shall be responsible for the supply and installation (whatever necessary) of the equipment at the Department of Chemistry, University of Mumbai, the cost towards insurance, etc., shall be borne by the suppliers.
24. The basic operator training should be provided by the competent Engineers during the time of installation.
25. Without any purchase commitment, demonstration should be arranged at the cost of the supplier for the quoted instrument at two places in Mumbai.
26. In the event of any breach of the terms and conditions of the supply, the University of Mumbai may terminate the contract placed with the supplier and forfeit the Security Deposit of the supplier.

SCHEDULE TO TENDER

Note:

1. Tenderers are advised to read carefully the Terms and Conditions of supply and "the Instructions to the tenderers" before recording the rates in this schedule.
2. No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and seal of the tenderers.
3. The Rates shall be FOR, at destinations / godowns/ places indicated in the delivery.

Item No.	Description of goods with details of specifications	Number/Quantity	Price / Rate per Unit	Taxes, Duties etc.

Full Signature of Tenderer

(Seal of the Firm/Company)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part B -Technical Specifications of

**Immersion Cooler / Counter Cooling Open Bath Circulators
for Rapid Cooling of Liquids**

SPECIFICATIONS FOR IMMERSION COOLER / COUNTER COOLING OPEN BATH CIRCULATORS FOR RAPID COOLING OF LIQUIDS

Immersion Cooler with air-cooled refrigerating unit. Electronic temperature control and digital display. Housing of stainless steel with 2 handles, flexible condensing probe of stainless steel and flexible cooling connection line in special single-tube construction, protective hose with smooth surface. Temperature control for counter-cooling open bath circulators to ambient temperature or below as well as for rapidly cooling liquids. The model should be equipped with set point control and external sensor capable of maintaining constant temperatures. It should have a small footprint and represent an economic solution preventing tap water usage for cooling. Ease of operation should be ideal for a variety of cooling applications.

It should have minimum following specifications:

Temperature range : -90 deg C to RT.

Temperature stability: +/-1 deg C

Temp. indication : Digital LED

Display resolution : +/- 0.1 deg C

Unit must be provided with External Sensor

Cooler probe: flexible tube length 65 cm, dia 1.5 cm or suitable

Power supply requirement 230V 1~ 50Hz

Vacuum insulated SS Vessel with internal fixtures to keep the Cooling probe and Heavy lid with provision for Single Neck Flask and 3Neck flask (separate) must be included .

Department of Chemistry,
University of Mumbai,
No. :
Date: December, 2012

To,

Separate sealed Quotations/Tenders for purchase of following items are invited, for and on behalf of University of Mumbai by the Head, Department of Chemistry, University of Mumbai, so as to reach him in his office latest by 4.00 p.m. on Tuesday, 15th January 2013.

1. **Immersion Cooler / Counter Cooling Open Bath Circulators for Rapid Cooling of Liquids,**
2. **UV-Visible Spectrophotometer,**
3. **Spin Coater.**

Blank forms containing terms and conditions of supply and technical specifications are available at the office of the Head, Department of Chemistry, University of Mumbai, on all working days between 11.00 a.m. and 4.00 p.m. from Wednesday, 26th December 2012 to Monday, 14th January 2013, on payment of ₹ 500.00 (₹ Five Hundred only) in cash OR can be downloaded from our website <http://mu.ac.in/tenders.html> and submitted alongwith a DD of ₹ 500.00 (₹ Five Hundred only) in favour of 'Finance and Accounts Officer, University of Mumbai'. The quotations/tenders duly complete in all respects, along with the necessary documents should be submitted to the Head, Department of Chemistry, University of Mumbai, latest by 4.00 p.m. on Tuesday, 15th January 2013.

The quotations/tenders so received, shall be opened on Monday, 21st January, 2013 in the office of the Head, Department of Chemistry, University of Mumbai, Lokmanya Tilak Bhavan, Vidyanagari, Santacruz (E), Mumbai, 400 098, in presence of representatives of the suppliers. Right to reject any or all tenders, without assigning any reason thereof, is reserved by the University of Mumbai.

Sd/-
(Dr. A.K. Srivastava)
Prof. & I/c Head,
Department of Chemistry,
University of Mumbai.

Department of Chemistry, University of Mumbai,

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A - Terms and conditions

Part B - Specifications

Price ₹ 500.00 (non refundable)

Important Dates

Sale of Tender forms	Wednesday, 26 th December 2012 to, Monday 14 th January 2013. (All working days, from 11.00 a.m. to 4.00 p.m. except 2 nd and 4 th Saturday, Sundays and Public Holidays)
Last Date for receiving sealed Tenders	Tuesday, 15 th January 2013 upto 4.00 p.m.
Date of Opening of Tenders	Monday, 21 st January 2013.

Head, Department of Chemistry
(Seal & sign)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A -Terms and conditions of Supply of

UV-Visible Spectrophotometer

Part A -Terms and conditions

1. The last date and time for the acceptance of the quotations / Tenders is Tuesday, 15th January 2013 up to 4.00 p.m.
2. The tenderers shall submit the following documents along with their quotations / tenders.
 - a. Income tax clearance certificate, from the Income Tax officer concerned, certifying that the tenderer has cleared all the Income Tax dues.
 - b. Suppliers should state whether they are a Propriety Firm, Partnership Firm or a Private / Public Limited Company and furnish a profile of the firm / company. They should also clearly mention whether they are manufacturers, authorized dealers or retail suppliers.
 - c. The names of the organizations and the offices to which similar supplies have been made.
 - d. Earnest Money Deposit in the form of Demand Draft in favour of Finance and Accounts Officer, University of Mumbai, on any Scheduled / Nationalized Bank payable at Mumbai.
 - e. Sales Tax Registration No.
 - f. Technical specifications offered by the Supplier
3. The rates should be mentioned in the Schedule attached with the tender / quotation paper. Each page of the tender shall be signed in full and stamped with the seal by supplier. The supplier must clearly state in what capacity he or she is signing the tender.
4. The tenderers shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents referred to in Para 2 above and shall be sealed. The second envelope (Commercial Bid) shall contain the **Schedule**, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Both the envelopes then should be put together and shall be sealed in an envelope, and shall be submitted to the University by the prescribed time and date. The Technical Bid shall be opened first to ensure that the tenderers have submitted all the requisite documents. If the Technical Bids are not in order or are deficient in some respect, the Commercial Bids in respect of such tenders shall not be opened.
5. The amount of Earnest Money Deposit shall be 5% of the cost of supply subject to a maximum of ₹ 25,000.00 (₹ Twenty five thousand only). The Earnest Money Deposit should be in the form of Bank Draft drawn on a nationalized / scheduled bank (payable at Mumbai) in favour of the 'Finance and Accounts Officer, University of Mumbai', Fort Campus, Mumbai - 400 032.
6. Tenders / quotations not accompanied by the requisite amount of Earnest Money Deposit are liable to be rejected.

7. The amount of Security Deposit / Performance Guarantee shall be 5% of the cost. In case of successful tenderers the amount of Earnest Money Deposit shall be converted in Security Deposit / Performance Guarantee and refunded after the warranty period is over.
8. Supplier should read carefully all the instructions and terms and conditions, etc., before registering rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.
9. The offers made by the suppliers shall be open for acceptance for 120 days after the last date of submission of tender.
10. The quotation shall be opened by the Head, Department of Chemistry in his office **on Monday, 21st January 2013**. The tenderers or their authorized representatives shall be allowed to be present at the time of opening of the tenders.
11. In case of imported items / equipments the rates should be quoted in the light of exemptions enjoyed by educational institutions. The University is exempted from payment of Excise/Octroi and the necessary certificates / forms can be issued by the University.
12. Technical specifications of the instrument / equipment are given in the Annexure of these papers (Part B).
13. The delivery time of instrument / equipment should be clearly mentioned in the tender. No extension shall be granted to the contractors / suppliers for the period of delivery mentioned in the tender, under any circumstances.
14. If the supplier fails to deliver the article as per the delivery schedule, the University of Mumbai shall be free to procure the balance / undelivered supply, at the risk and cost of such supplier.
15. The goods, article, material supplied by the contractor shall be accepted after inspection by an officer authorized by the competent authority. No article / material which do not conform to the specifications laid down in the terms and conditions or damaged in transit or otherwise, shall be accepted.
16. The bills of the suppliers shall be paid by the University after all the article/ material/ instrument / equipment have been received, inspected as above.
17. The warranty period shall be at least for one year from the date of installation.
18. Supplier should give free service at least for three years after the warranty is over.

19. A list of spares/consumables required for hassle free functioning of the instrument for at least two years should be quoted additionally.
20. Undertaking from the manufacturer that parts will be made available at least for next ten years even after discontinuation of the supplied model is necessary.
21. A list of all the necessary accessories and spares required to make the unit functional should be provided. Names and phone numbers of the persons responsible for Sales and Service for this territory should be mentioned.
22. Supplier should have at least five orders from Institutions / Laboratories in the past three years (copies of the PO to be attached).
23. As the supplier shall be responsible for the supply and installation (whatever necessary) of the equipment at the Department of Chemistry, University of Mumbai, the cost towards insurance, etc., shall be borne by the suppliers.
24. The basic operator training should be provided by the competent Engineers during the time of installation.
25. Without any purchase commitment, demonstration should be arranged at the cost of the supplier for the quoted instrument at two places in Mumbai.
26. In the event of any breach of the terms and conditions of the supply, the University of Mumbai may terminate the contract placed with the supplier and forfeit the Security Deposit of the supplier.

SCHEDULE TO TENDER

Note:

1. Tenderers are advised to read carefully the Terms and Conditions of supply and "the Instructions to the tenderers" before recording the rates in this schedule.
2. No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and seal of the tenderers.
3. The Rates shall be FOR, at destinations / godowns/ places indicated in the delivery.

Item No.	Description of goods with details of specifications	Number/Quantity	Price / Rate per Unit	Taxes, Duties etc.

Full Signature of Tenderer

(Seal of the Firm/Company)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part B -Technical Specifications of

UV-Visible Spectrophotometer

SPECIFICATIONS FOR UV-VISIBLE SPECTROPHOTOMETER

True Double beam spectrophotometer with following specification and system should be used as standalone and PC based as per user requirement.

Operation: Instrument with capabilities like multi wavelength photometric, spectrum, time scan, kinetics, multi component quantitation.

Hardware:

Range: 190nm to 1100nm

Monochromator: Blazed holographic grating with Czerny Turner Mountings.

Spectral Bandwidth: 1 nm or better

Wavelength accuracy: + 0.1 nm at 656.1 nm D₂ Line

Wavelength repeatability: + 0.1nm

Light source: Deuterium and Tungsten OR Xenon lamp.

Lamp Changeover: Automatic and user selectable lamp changeover between UV to visible Range.

Stray Light: Less than 0.02%

Photometric accuracy: Minimum + 0.002 Abs

Photometric repeatability: ± 0.001Abs.

Baseline Stability: Less than 0.0005 Abs/hr.

Baseline Flatness: Less than + 0.001 Abs.

Noise level: Less than 0.0001Abs.

Detector: PMT / Silicon Photodiode.

Validation: Instrument should have in built validation tests.

10 mm quartz cuvetts pair to be supplied free of cost along with instrument.

Optional:

Software: System supplied with the licensed software should be able to perform spectrum, kinetics and quantitation with normalization, peak pick, point peak, area calculation, derivatives, smoothing, log, Abs to %T, averaging, interpolation, data set and constant arithmetic, multiple factors and user design equation, display of standard and sample table simultaneously with calibration and sample curve.

Software should be GLM and GMP compliant with multilevel security and history.

Software should have user design report formatting with various type of pre defined formatting included including multi page layout.

Latest configuration PC with suitable licensed operating system and colour printer to be quoted separately.

Department of Chemistry,
University of Mumbai,
No. :
Date: December, 2012

To,

Separate sealed Quotations/Tenders for purchase of following items are invited, for and on behalf of University of Mumbai by the Head, Department of Chemistry, University of Mumbai, so as to reach him in his office latest by 4.00 p.m. on Tuesday, 15th January 2013.

1. **Immersion Cooler / Counter Cooling Open Bath Circulators for Rapid Cooling of Liquids,**
2. **UV-Visible Spectrophotometer,**
3. **Spin Coater.**

Blank forms containing terms and conditions of supply and technical specifications are available at the office of the Head, Department of Chemistry, University of Mumbai, on all working days between 11.00 a.m. and 4.00 p.m. from Wednesday, 26th December 2012 to Monday, 14th January 2013, on payment of ₹ 500.00 (₹ Five Hundred only) in cash OR can be downloaded from our website <http://mu.ac.in/tenders.html> and submitted alongwith a DD of ₹ 500.00 (₹ Five Hundred only) in favour of 'Finance and Accounts Officer, University of Mumbai'. The quotations/tenders duly complete in all respects, along with the necessary documents should be submitted to the Head, Department of Chemistry, University of Mumbai, latest by 4.00 p.m. on Tuesday, 15th January 2013.

The quotations/tenders so received, shall be opened on Monday, 21st January, 2013 in the office of the Head, Department of Chemistry, University of Mumbai, Lokmanya Tilak Bhavan, Vidyanagari, Santacruz (E), Mumbai, 400 098, in presence of representatives of the suppliers. Right to reject any or all tenders, without assigning any reason thereof, is reserved by the University of Mumbai.

Sd/-
(Dr. A.K. Srivastava)
Prof. & I/c Head,
Department of Chemistry,
University of Mumbai.

Department of Chemistry, University of Mumbai,

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A - Terms and conditions

Part B - Specifications

Price ₹ 500.00 (non refundable)

Important Dates

Sale of Tender forms	Wednesday, 26 th December 2012 to, Monday 14 th January 2013. (All working days, from 11.00 a.m. to 4.00 p.m. except 2 nd and 4 th Saturday, Sundays and Public Holidays)
Last Date for receiving sealed Tenders	Tuesday, 15 th January 2013 upto 4.00 p.m.
Date of Opening of Tenders	Monday, 21 st January 2013.

Head, Department of Chemistry
(Seal & sign)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part A -Terms and conditions of Supply of

Spin Coater

Part A -Terms and conditions

1. The last date and time for the acceptance of the quotations / Tenders is Tuesday, 15th January 2013 up to 4.00 p.m.
2. The tenderers shall submit the following documents along with their quotations / tenders.
 - a. Income tax clearance certificate, from the Income Tax officer concerned, certifying that the tenderer has cleared all the Income Tax dues.
 - b. Suppliers should state whether they are a Propriety Firm, Partnership Firm or a Private / Public Limited Company and furnish a profile of the firm / company. They should also clearly mention whether they are manufacturers, authorized dealers or retail suppliers.
 - c. The names of the organizations and the offices to which similar supplies have been made.
 - d. Earnest Money Deposit in the form of Demand Draft in favour of Finance and Accounts Officer, University of Mumbai, on any Scheduled / Nationalized Bank payable at Mumbai.
 - e. Sales Tax Registration No.
 - f. Technical specifications offered by the Supplier
3. The rates should be mentioned in the Schedule attached with the tender / quotation paper. Each page of the tender shall be signed in full and stamped with the seal by supplier. The supplier must clearly state in what capacity he or she is signing the tender.
4. The tenderers shall submit the tender in two envelopes. The first envelope (Technical Bid) shall contain all the documents referred to in Para 2 above and shall be sealed. The second envelope (Commercial Bid) shall contain the **Schedule**, in which the supplier shall register the rates of supply. The second envelope shall also, likewise, be sealed. Both the envelopes then should be put together and shall be sealed in an envelope, and shall be submitted to the University by the prescribed time and date. The Technical Bid shall be opened first to ensure that the tenderers have submitted all the requisitedocuments. If the Technical Bids are not in order or are deficient in some respect, the Commercial Bids in respect of such tenders shall not be opened.
5. The amount of Earnest Money Deposit shall be 5% of the cost of supply subject to a maximum of ₹ 25,000.00 (₹ Twenty five thousand only). The Earnest Money Deposit should be in the form of Bank Draft drawn on a nationalized / scheduled bank (payable at Mumbai) in favour of the 'Finance and Accounts Officer, University of Mumbai', Fort Campus, Mumbai - 400 032.
6. Tenders / quotations not accompanied by the requisite amount of Earnest Money Deposit are liable to be rejected.

7. The amount of Security Deposit / Performance Guarantee shall be 5% of the cost. In case of successful tenderers the amount of Earnest Money Deposit shall be converted in Security Deposit / Performance Guarantee and refunded after the warranty period is over.
8. Supplier should read carefully all the instructions and terms and conditions, etc., before registering rates in prescribed schedule of the tender. Taxes and duties etc. should be shown separately.
9. The offers made by the suppliers shall be open for acceptance for 120 days after the last date of submission of tender.
10. The quotation shall be opened by the Head, Department of Chemistry in his office **on Monday, 21st January 2013**. The tenderers or their authorized representatives shall be allowed to be present at the time of opening of the tenders.
11. In case of imported items / equipments the rates should be quoted in the light of exemptions enjoyed by educational institutions. The University is exempted from payment of Excise/Octroi and the necessary certificates / forms can be issued by the University.
12. Technical specifications of the instrument / equipment are given in the Annexure of these papers (Part B).
13. The delivery time of instrument / equipment should be clearly mentioned in the tender. No extension shall be granted to the contractors / suppliers for the period of delivery mentioned in the tender, under any circumstances.
14. If the supplier fails to deliver the article as per the delivery schedule, the University of Mumbai shall be free to procure the balance / undelivered supply, at the risk and cost of such supplier.
15. The goods, article, material supplied by the contractor shall be accepted after inspection by an officer authorized by the competent authority. No article / material which do not conform to the specifications laid down in the terms and conditions or damaged in transit or otherwise, shall be accepted.
16. The bills of the suppliers shall be paid by the University after all the article/ material/ instrument / equipment have been received, inspected as above.
17. The warranty period shall be at least for one year from the date of installation.
18. Supplier should give free service at least for three years after the warranty is over.

19. A list of spares/consumables required for hassle free functioning of the instrument for at least two years should be quoted additionally.
20. Undertaking from the manufacturer that parts will be made available at least for next ten years even after discontinuation of the supplied model is necessary.
21. A list of all the necessary accessories and spares required to make the unit functional should be provided. Names and phone numbers of the persons responsible for Sales and Service for this territory should be mentioned.
22. Supplier should have at least five orders from Institutions / Laboratories in the past three years (copies of the PO to be attached).
23. As the supplier shall be responsible for the supply and installation (whatever necessary) of the equipment at the Department of Chemistry, University of Mumbai, the cost towards insurance, etc., shall be borne by the suppliers.
24. The basic operator training should be provided by the competent Engineers during the time of installation.
25. Without any purchase commitment, demonstration should be arranged at the cost of the supplier for the quoted instrument at two places in Mumbai.
26. In the event of any breach of the terms and conditions of the supply, the University of Mumbai may terminate the contract placed with the supplier and forfeit the Security Deposit of the supplier.

SCHEDULE TO TENDER

Note:

1. Tenderers are advised to read carefully the Terms and Conditions of supply and "the Instructions to the tenderers" before recording the rates in this schedule.
2. No erasures or overwriting shall be allowed, unless they are authenticated under the full signature and seal of the tenderers.
3. The Rates shall be FOR, at destinations / godowns/ places indicated in the delivery.

Item No.	Description of goods with details of specifications	Number/Quantity	Price / Rate per Unit	Taxes, Duties etc.

Full Signature of Tenderer

(Seal of the Firm/Company)

**Department of Chemistry,
University of Mumbai,**

Lokmanya Tilak Bhavan, Vidyanagari,
Santacruz (E), Mumbai - 400 098

Phone: 26543587/26543354

Fax: 26528547

Tender Document

Date 26th December, 2012

Part B -Technical Specifications of

Spin Coater

SPECIFICATIONS FOR SPIN COATER

The Spin Coater should have following specifications:

Programming through micro controller.

Speed range - 100 RPM to 10000 RPM.

Speed accuracy - $\pm 1\%$ error across the full range.

Acceleration - 2000 RPM/sec. (max.)

Two preset editable recipes.

Ten steps (max.) per recipe. Recipe saving option in memory.

Real time display of RPM, timing & protocol status on

LCD console. User friendly firmware interface.

Keypad input and control option. Integrated vacuum release switch on keypad with on /off indication.

Calibration option for better performance for variable substrates.

Spill drainage facility. Teflon coated 8" dia working chamber.

Substrate size up to 4" round of silicon wafer.

Delrin substrate holder.

Integrated power on / off switch with indication.

Transparent photo resist lid over working chamber.

Power - 230 / 220V AC.

Wattage - 150W

Accessories required

1. **Oil Free Vacuum Pump:**Power: 220-240V/50,60Hz, Max. power consumption(W): 190, Max. current (A): 1.0, Max.vacuum: 730mmHg = 97.33 kPa = 30 Torr, Max. flow rate: 33 lit/min., Horse Power: $\frac{1}{4}$ HP, Pole: 4P, Port thread:5/16", Noise Level:52dB
2. **Manual Dispenser Micro Syringe - 250 μ l and Inert gas purging port (Nitrogen)**