

OFFICE OF THE EXCISE COMMISSIONER,U.P.

171,Old Mumfordganj,Allahabad.

Short Term Tender Notice (RETENDER)

No. 1645 /Bees-ke.Pra./sudrikaran/2010-11/Dated 03-01-2011

Sealed tenders are invited from Original Manufacturers / Direct importers/ Distributors for the supply of the following equipments for the Central Laboratory Allahabad and Zonal Excise Laboratories Meerut, Lucknow, Gorakhpur.

| S.No. | Name of equipment | Quantity | EM Deposit (in Rs.) |
|-------|----------------------------|----------|---------------------|
| 1. | Gas Liquid Chromatograph | 04 | 01.20 Lakh |
| 2. | U.V.Vis. Spectrophotometer | 04 | 00.40 Lakh |

1. Those firms who have participated in previous tender and deposited the same EMD earlier, are not liable to deposit the EMD. They should mention the same in this offer.

2. Till the date of opening of the sealed tenders, the supplied item / equipment should be registered in any one of the under mentioned agencies:

- D.G.S.&D.,New Delhi.
- N.S.I.C.,Delhi.
- D.I.S.P.S.(U.P.) ,Kanpur.


3. The firms not registered with any one of the above mentioned agencies shall enclose a bank draft of EMD as mentioned above for the equipment drawn in favour of Excise Commissioner, U.P. payable at Allahabad.

4. The detailed specification of the equipments can be seen on the notice board of the Excise Commissioner's Office, Allahabad. The tender document (containing detailed specification) for the items may be purchased in person by paying Rs.500 (nonrefundable) or by post on enclosing a Bank Draft in favour of Excise Commissioner U.P. payable at Allahabad of Rs.550/-. Tender document can be downloaded from U.P.Excise website www.upexcise.in. In this case the tenderer will have to enclose the cost of the tender document in the form of Bank Draft in favour of Excise Commissioner, U.P. payable at Allahabad.

5. The last date of receipt of tender bid is 28-01-2011 latest by 5.00 p.m. The tender bid would be opened on the same day after 5.00 p.m. before the tenderers. The department shall not be responsible for late receipt of tender documents sent by post.

6. Tenderers should submit the documents consisting of tender no., date, name of the tendered item and name & address of the tenderer. All papers of the tender document should be organized as per the check list. Two separate sealed envelopes containing Technical Bid and Financial Bid shall be placed inside one sealed envelope. Incomplete or conditional tenders will not be considered. Tenderers should quote separately for each instruments and enclose self compliance certificate.


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7. The Excise Commissioner has absolute right to accept or reject any or all tender(s) in part or full without assigning any reasons.
8. Tender Form (terms and tender document check list)
- In case the manufacturer or the authorized distributor is the tenderer, he shall submit the certificate of authenticity.
 - Registration certificate D.G.S.&D. / N.S.I.C. or D.I.S.P.S.(U.P.) shall be attached.
- Unregistered firms shall enclose a bank draft mentioned above as earnest money drawn in favour of Excise Commissioner, U.P. payable at Allahabad.
- Non conviction certificate and a list of latest users shall be attached.
 - The original booklet regarding the standard/specifications of the equipment shall be enclosed to facilitate the comparison of the specifications. Related/significant website shall also be mentioned.
 - The latest documents of ITR, TIN, PAN etc shall be enclosed.
 - Successful tenderer will have to supply and organize free demonstration at the Excise laboratories of Allahabad, Meerut, Lucknow and Gorakhpur. All rates would be destination F.O.R. Vendor may quote in foreign currency on C.I.P. New Delhi basis.
 - The tendered amount shall be inclusive of all taxes and transportation cost etc. No payment other than the tendered amount will be paid. Import duty or other governmental dues shall be documented separately.
 - The payment for the supplied equipments shall be made by the competent authority after verification and successful demonstration of the equipment.
 - The number of equipments or accessories may be increased or decreased without any intimation.
 - The equipments shall be supplied within 30 days of the order and the successful tenderer will have to deposit a security money @10% of the order value in cash or in the form of N.S.C./Bank Draft or Bank guarantee.
 - Any information regarding aforesaid tender can be obtained from office of Excise Commissioner Allahabad,U.P. on any working day.

**Excise Commissioner
Uttar Pradesh**

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A.A.T. U.P. Excise, Allahabad

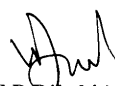
Short Term Tender Notice

No. 1670 /Bees-ke.Pra./sudrikaran/2010-11/ Dated 06-01-2011

Sealed tenders are invited from Original Manufacturers / Direct importers/ Distributors for the supply of the following equipments for the Central Laboratory at the Office of Excise Commissioner, UP.,Allahabad..

| S.No. | Name of equipment | Quantity | EM Deposit (in Rs.) |
|-------|--|----------|---------------------|
| 1. | High Performance Liquid Chromatograph | 01 | 32,000/- |
| 2. | Balance | 01 | 2,100/- |
| 3. | pH Meter | 01 | 1,000/- |
| 4. | Refractometer (digital) with accessories | 01 | 4,000/- |
| 5. | Distill Water Plant (double) | 01 | 500/- |
| 6. | Density meter | 01 | 4,000/- |
| 7. | Karl Fischer Titrator | 01 | 10,000/- |
| 8. | Digital Melting /boiling Point Apparatus | 01 | 1,000/- |
| 9. | Air Conditioner | 03 | 1,500/- |
| 10. | Centrifuge | 01 | 500/- |
| 11. | Digital Burette | 01 | 500/- |
| 12. | Moisture determination Apparatus | 01 | 800/- |
| 13. | Membrane water purification | 01 | 8,000/- |
| 14. | Tintometer | 01 | 2,000/- |
| 15. | U.V. chamber | 01 | 500/- |
| 16. | Micro pipette | 01 | 100/- |
| 17. | Digital Thermometer | 01 | 200/- |
| 18. | Microscope | 01 | 1,000/- |
| 19. | Viscometer | 01 | 200/- |
| 20. | Tablet Disintegration Apparatus | 01 | 300/- |
| 21. | Rota Vapour | 01 | 2,000/- |
| 22. | Percolator | 01 | 100/- |
| 23. | B.O.D. incubator | 01 | 1,600/- |
| 24. | Seripeter (dispenser) | 01 | 500/- |
| 25. | Aqujet (pipette controller) | 01 | 1,000/- |
| 26. | Soxhlet Extraction Apparatus | 01 | 300/- |

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1. Till the date of opening of the sealed tenders, the supplied item/equipment should be registered in any one of the under mentioned agencies:

- a. D.G.S.&D., New Delhi.
- b. N.S.I.C., Delhi.
- c. D.I.S.P.S.(U.P.) ,Kanpur.

2. The firms not registered with any one of the above mentioned agencies shall enclose a bank draft of EMD as mentioned for the equipment drawn in favour of Excise Commissioner, U.P.

3. The detailed specification of the equipments can be seen on the notice board of the Excise Commissioner's Office, Allahabad. The tender document (containing detailed specification) for the items may be purchased in person by paying Rs.500 (nonrefundable) or by post on enclosing a Bank Draft in favour of Excise Commissioner U.P. payable at Allahabad of Rs.550/-. Tender document can be downloaded from U.P.Excise website www.upexcise.in. In this case the tenderer will have to enclose the cost of the tender document in the form of Bank Draft in favour of Excise Commissioner, U.P.

4. The last date of receipt of tender bid is 31-01-2011 latest by 5.00 p.m. The tender bid would be opened on the same day after 5.00 p.m. before the tenderers. The department shall not be responsible for late receipt of tender documents sent by post.

5. Tenderers should submit the documents consisting of tender no., date, name of the tendered item and name & address of the tenderer. All papers of the tender document should be organized as per the check list. Two separate sealed envelopes containing Technical Bid and Financial Bid shall be placed inside one sealed envelope. Incomplete or conditional tenders will not be considered. Tenderers should quote separately for each instruments and enclose self compliance certificate.

6. The Excise Commissioner has absolute right to accept or reject any or all tender(s) in part or full without assigning any reasons.

7. Tender Form (terms and tender document check list)

- In case the manufacturer or the authorized distributor is the tenderer, he shall submit the certificate of authenticity.
- Registration certificate D.G.S.&D. / N.S.I.C. or D.I.S.P.S.(U.P.) shall be attached.
- Unregistered firms shall enclose a bank draft mentioned above as earnest money drawn in favour of Excise Commissioner, U.P.
- Non conviction certificate and a list of latest users shall be attached.
- The original booklet regarding the standard/specifications of the equipment shall be enclosed to facilitate the comparison of the specifications. Related/significant website shall also be mentioned.
- the latest documents of ITR, TIN, PAN etc shall be enclosed.
- Successful tenderer will have to supply and organize free demonstration at the Excise laboratory at Allahabad. All rates would be destination F.O.R. Vendor may quote in foreign currency on C.I.P. New Delhi basis.

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- The tendered amount shall be inclusive of all taxes and transportation cost etc. No payment other than the tendered amount will be paid. Import duty or other governmental dues shall be documented separately.
- The payment for the supplied equipments shall be made by the competent authority after verification and successful demonstration of the equipment.
- The number of equipments or accessories may be increased or decreased without any intimation.
- The equipments shall be supplied within 30 days of the order and the successful tenderer will have to deposit a security money @10% of the order value in cash or in the form of N.S.C./Bank Draft or Bank guarantee.
- Any information regarding aforesaid tender can be obtained from office of Excise Commissioner Allahabad on any working day.

**Excise Commissioner
Uttar Pradesh**

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**(Dr. V.P. Dikshit)
A.A.T. U.P. Excise, Allahabad**

Tender Form

Tender No- 1670 /Bees-Ke.Pra/sudrikaran/2010-11 Dated 06-01-2011
01-2011

Due on 31-

To,

Excise Commissioner,
Uttar Pradesh,
171, Mumfordganj, Allahabad.

Subject- Offer for Supply of Analytical Instruments.

Sir,

Pursuant to the Notice Inviting Offer No----- Dated ----- issued by the Excise Commissioner, U.P. Allahabad I/ We hereby submit my / our offer for supply of above mentioned equipments for the laboratories of U.P. Excise.

2- I / We have thoroughly read and understood Terms and Conditions of offer for the aforesaid purpose and the Terms and Conditions of Tender document have been signed by me / us and I/ we hereby agree to duly abide by them.

3- I/We agree to keep my/ our this offer open for acceptance by the Excise Commissioner, U.P. after the last date of receipt of offer, I / We shall be bound by the communications of acceptance of this offer dispatched by your office within the aforesaid time.

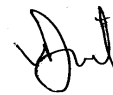
4- As required by the terms and conditions of offer we send herewith the duly completed technical and financial bid. Kindly accept the same.

Signature of Tenderer--

Address---

Date--

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A.A.T. U.P.Excise, Allahabad

OFFICE OF THE EXCISE COMMISSIONER, U.P.
171, Old Mumfordganj, Allahabad. 211002
PHONE/FAX-(0532)2250837

GENERAL TERMS AND CONDITIONS FOR TENDERS

The details of specifications & instructions are to be followed strictly in accordance with the tender notice.

1.-The tendering firms are requested to submit the tender document in TWO PARTS. The First Part will be named as Technical Bid & the Second Part will be called as Financial Bid. **The technical bid as well as financial bid is to be prepared separately for each item of the tender.** BOTH TECHNICAL BID AND FINANCIAL BID OF EACH ITEM OF THE TENDER MUST BE PROPERLY SEALED IN SEPERATE COVERS. EACH SUCH ENVELOP MUST BE KEPT TOGETHER IN ONE BIG ENVELOPE AND SEALED CLEARLY MARKED "TECHNICAL/FINANCIAL BID INSIDE" addressed to the

Excise Commissioner
Office of the Excise Commissioner,
171, Old Mumfordganj,
Uttar Pradesh, Allahabad-211002

DO NOT QUOTE RATES IN THE TECHNICAL OFFER; OTHERWISE THE TENDER WILL BE REJECTED.

2. Tenderer / Authorized person who shall sign the offer and all the enclosures submitted by them should have signature with their designation, seal and date. The bids of the bidders, who have not accepted, signed and stamped all the terms and conditions of the bid shall be rejected. The technical bid of the bidders who have accepted all the terms and conditions of the bid and signed and stamped on the terms and conditions shall be considered. If bid opening day is a government holiday, then the bids shall be accepted and opened on next working day at the same time. The financial bid shall be opened only of technically successful bidders.

3. After submission of tender any addition, alteration or changes in any offer shall not be acceptable.

4. All the enclosures should be valid on the date of opening of the tender.

5. If any cutting/ corrections are there it should be properly attested by the tenderer.

6. Tenders received after the due date and time or incomplete or conditional tenders will not be accepted. This office will not be responsible for postal delay.

7. Till the date of opening of the sealed tenders, the supplier may be registered in any one of the under mentioned agencies:

- a). D.G.S.&D., New Delhi.
- b). N.S.I.C., Delhi.
- c). D.I.S.P.S. (U.P.), Kanpur.

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8. The firms not registered with any one of the above mentioned agencies shall enclose a bank draft for earnest money as mentioned in tender notice in favour of Excise Commissioner, U.P. Earnest money has to be deposited **FOR EACH ITEM SEPARATELY along with the Technical Offer** in the form of **Bank draft/ Bank guarantee /Fixed Deposit of Scheduled Bank** pledged to **Excise Commissioner, U. P.** Offers without earnest money shall be ignored. If any firm is exempted from furnishing earnest money, enclose government orders. If government order is not submitted by the tenderer his tender will not be considered.

9- It shall be the responsibility of the tendering firms to present themselves on the dates of opening of Technical & Financial offers and acquaint themselves with the short comings in the tender if any. No separate intimation will be sent to them in this regard.

10 . Tenderers should submit the documents consisting of tender no., date, name of the tendered item and name & address of the tenderer. All papers of the tender document should be organized as per the check list. Tender Form (terms and tender document check list)

In case the manufacturer or the authorized distributor is the tenderer, he shall submit the certificate of authenticity.

Registration certificate D.G.S.&D./ N.S.I.C.or D.I.S.P.S.(U.P.) shall be attached.

Unregistered firms shall enclose a bank draft as mentioned above as EMD drawn in favor of Excise Commissioner, U.P., payable at Allahabad.

Non conviction certificate and a list of latest users shall be attached.

The original booklet regarding the standard/specifications of the equipment shall be enclosed to facilitate the comparison of the specifications. Related/significant website shall also be mentioned.

The latest documents of ITR, TIN, and PAN etc shall be enclosed.

Successful tenderer will have to supply and organized free demonstration at the Excise laboratories of Allahabad, Meerut, Lucknow and Gorakhpur. All rates would be destination FOR. Vendor may quote in foreign currency on C.I.P. New Delhi basis.


The tendered amount shall be inclusive of all taxes and transportation cost etc. No payment other than the tendered amount will be paid but Import duty or other governmental taxes shall be documented separately.

The payment for the supplied equipments shall be made by the competent authority after verification and successful demonstration of the equipment.

The number of equipments or accessories may be increased or decreased without any intimation.

The equipments shall be supplied within 30 days of the order and the successful tenderer will have to deposit security money @10% of the order value in cash or in the form of N.S.C./ Bank Draft/ or Bank guarantee, pledged to Excise Commissioner, U.P.

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- Any information regarding aforesaid tender can be obtained from office of Excise Commissioner, Allahabad on any working days.

11. The tenderer is required to submit an affidavit on Rs.10/- stamp paper stating that:

(a) That he/she or his/her firm is of repute and has good moral status.

(b) Have no criminal background or association and have not been convicted of any offence punishable under Indian laws. (Vis-à-vis of country's law in case of foreign firms).

(c) That he/she or his/her firm has never been blacklisted or debarred by any state/central government departments/organizations.

(d) That he or his firm is not in arrears of any public dues or Government dues.

[In case there is anything contrary to above it should be clearly mentioned]

12. The bidding firm shall have to attach self attested photocopy of the Income Tax, Sales Tax and Service Tax registration certificates along with the Audited Balance Sheet of last three years.

13. THE UNDER SIGNED RESERVES, THE RIGHT TO ACCEPT OR REJECT ANY TENDER, EITHER IN PART OR FULL, WITHOUT ASSIGNING ANY REASON THERE OF.

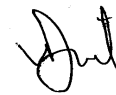
14. Firms must come prepared to demonstrate their goods in Excise Laboratory at Allahabad, U.P., on the next date of opening of technical bid. Demonstration shall be asked if required, failing which tender may be rejected.

15. The selected firms have to fulfill all the terms & conditions mentioned in this tender document. Conditional tenders will not be accepted.

16. If any firm is found to violate any terms and conditions given above, the undersigned has right to deduct the part or full amount of the Earnest money/ Security money deposited by the firm. It may also be black listed and legal action may be taken.

17. The Court of Allahabad alone shall have the jurisdiction to decide any dispute arising in this regard.

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PART I
TECHNICAL BID
PART I (A): Terms & Conditions

1. Office of the Excise Commissioner, U.P., Allahabad invites sealed tenders from manufacturers/Direct importers/Distributors for the supply of equipments to the departmental laboratories at Allahabad, Meerut, Lucknow and Gorakhpur.
2. Authorized Agent/ Dealer / Supplier/ Distributor should submit a self attested valid certificate of authority of their Principal Manufacturer. Manufacturer should attach a proof of which being so.
3. Quoted equipments should be complete working system with all necessary accessories including stabilizer / UPS, cables, wires etc. to run the system properly at the time of installation.
4. Clearly mention installation requirements in the technical offer. Only space and electrical points will be provided at the time of installation. Installation of the supplied equipments shall be completed within 30 days from the date of receipt of equipment in the laboratory, failing which equipments costing up to Rs.5 lakhs, penalty of Rs.100-00 per day and for every additional 5 lakhs Rs.100-00 per day may be charged.
5. On Site guaranty of the equipments will be for one year on parts and labour or as specified in Annexure-I of the specifications in the tender form, from the date of successful installation. Guaranty of consumables and glass wares will be for one year or as per their shelf life. Maintenance work of the supplied equipments shall be done by the supplier firm during guaranty period.
6. During guarantee period, the complaints should be attended with in 24 hours and in case of out station service centers complaints should be attended with in 7 days, failing which equipments costing up to Rs.5 lakhs penalty of Rs.100-00 per day and for every additional 5 lakhs Rs.100-00 per day may be imposed.
7. Supply is to be executed as mentioned in the purchase order. Officer who is issuing purchase order can permit extra time on his discretion. If after making purchase agreement, any tenderer fails to supply goods of desired quality and quantity within 30 days, supply order may be cancelled and Security Money/Earnest money deposited by tenderer may be forfeited.
8. Attach a list of organizations to which the equipments have already been supplied and performance reports obtained from them with the technical offer.
9. The items quoted should be of repute / standard brand. The tenderer should mention full particulars about the brand name, make, model, manufacturer and detailed specifications of the material offered by them with printed literature.
10. Technical details as per tender specifications or their compatibility with the tender specifications shall be clearly mentioned in the technical offer.

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11. After the receipt of goods in Excise department laboratories, U.P., as specified in the purchase order, installation shall be carried out by the firms at the required places within Uttar Pradesh.

12. Tendering firms will also impart complete operational training to working analysts at sites for the supplied equipments free of cost.
13. Due to continuous research and developments and introduction of new models tenderer can supply upgraded model at the same quoted price with the permission from the department.
14. Tendering firms shall be responsible for supply of consumables, spares and services for equipments at least for **ten years** from the date of supply and installation.
15. If tenderer is unable to supply consumables, spares and services for **ten years**, it will be his responsibility to replace or upgrade it free of cost.
16. Supplier firm shall have to provide driver software and operating systems free of cost for **ten years**.
17. In case of imported goods, foreign manufacturers can directly quote their rates but shall provide list of their Indian Branch/ Agent, Name of trained engineers and details of service facilities available for after sale-services. Kindly provide this detail in technical bid.
18. If Indian agents are quoting on behalf of foreign manufacturers/ Principals then **self attested valid authority letter from them should be submitted along with the technical offer. Rates should be quoted in FOB as well as CIP value at New Delhi air port.**
19. Tenderer have to accept one of the following payments terms:
OPTION-A: ON CAD TERMS i.e. 100% payment by Swift/Wire Transfer to tenderer's Bank Account upon submission of required documents together with certificate of acceptance of equipment by the end-user's Department/Consignee to release 100% payment to the supplier.
OPTION-B: On LC Terms i.e. Letter of credit for 100% value of the purchase order shall be established. Payment shall be released to the supplier by the Bank upon submission of documents to the bank by the beneficiary together with certificate of acceptance of equipment by the end-user's department/Consignee after its installation. Bank charges in India shall be born by us whereas all bank charges in the foreign country, including confirmation charges of Letter of Credit, shall be to the account of the supplier.
20. **It will be the responsibility of the Indian agent of foreign principal to clear the consignment from customs and deliver it to Excise Department laboratory at Allahabad as specified in the purchase order. The Indian Agent would bear the custom clearance charges, transportation charges, (except custom duty) transportation charges, octroi etc. for supply of the goods to the U.P. Excise Department Laboratories at Allahabad, Gorakhpur, Meerut and Lucknow.**

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21- . If rates are quoted in foreign currency by some firms and in Indian rupees by others, the exchange rate of foreign currency as **prevailing on the last date of receipt of tender form** as mentioned in the tender advertisement would be considered for comparison purpose. bank charges, custom duty, landing expenditures and entry tax etc. shall also be added to the quoted rates for preparation of comparative chart of rates.

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TECHNICAL INFORMATION

1. Name of the Company/firm
2. Full address of the Company/firm

Pin code:

Telephone no.:

Fax no.:

3. Local address of company:
for communication ,if any
4. Certification Level (ISO/CMM):
5. Turnover in last Three Years
6. Trade Tax/Sales Tax Registration no.:
With place
7. Deposit of Trade Tax in last three years, (certificate enclosed issued by competent authority.)
8. Deposit of Income Tax return in last three years (certificate enclosed issued by competent authority.)
9. Service Tax Registration no.:
- 10 List of end users with place.

Signature:

Name:

Designation:

On behalf of:

Company Seal

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A.A.T. U.P.Excise, Allahabad

**PART II
FINANCIAL BID**

PART I (A): Terms & Conditions

1. The tenderer shall have to clearly indicate the bid amount in figures and words including all the taxes and duties.
2. Firms quoting in Indian Rupees must enclose (i) Self attested photocopy of valid U.P. Trade Tax Registration / Central Sales Tax / VAT Registration / latest Clearance Certificate (ii) photo copy of PAN / TAN no. (iii) Bank account no., name of bank and branch.
3. Firms quoting in foreign currency on behalf of foreign principal manufacturer shall enclose (i) Documentary proof that their firm is registered with competent authority, (ii) photo copy of PAN / TAN no. (iii) Bank account no., name of bank and branch, and (IV) Authorization certificate of foreign principal manufacturer.
4. Quoted rates should be FOR destination as mentioned in tender document including all duties /taxes. However a detail breakup quoted prices should be attached.
Rates should be quoted in two parts: 1(a)- Cost of equipment with one year guarantee (b)- AMC offer for next three years after guarantee. Year wise AMC offers shall be provided.
5. The validity of the rates should be at least for six months from the date of opening of the tender.
6. In case of imported goods, foreign manufacturers can directly quote their rates but shall provide list of their Indian Branch/ Agent, Name of trained engineers and details of service facilities available for after sale-services. Kindly provide this detail in technical bid.
7. If Indian agents are quoting on behalf of foreign manufacturers/ Principals then self attested valid authority letter from them should be submitted along with the technical offer. Rates should be quoted in F.O.R.destination. Vendor may quote in foreign currency on C.I.P. New Delhi basis.
8. The payment of the supplied equipments shall be done by the competent authority after verification and successful demonstration of the equipment. A certificate signed by demonstrator/tenderer and official responsible to operate it shall be essential.

9. It will be the responsibility of the Indian agent of foreign principal to clear the consignment from customs and deliver it to Excise Department laboratories at Allahabad, Gorakhpur, Meerut and Lucknow as specified in the purchase order. The Indian Agent would bear the custom clearance charges, transportation charges, octroi etc. for supply of the goods to the Excise Department Laboratories as mentioned in purchase order.

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A.A.T. U.P.Excise, Allahabad

10. If rates are quoted in foreign currency by some firms and in Indian rupees by others, the exchange rate of foreign currency as **prevailing on the last date of receipt of tender form.**
11. Successful Tenderer will deposit 10% of the cost of equipment in India as security money in the form of demand draft/NSC/or Bank guarantee in favour of Excise Commissioner payable at Allahabad and sign a

purchase agreement within 7 days after receipt of purchase order on Rs.100/-(Rs. one hundred only) non judicial stamp paper at their own cost. **Draft of purchase agreement shall be enclosed with the purchase order.** Purchase order to the firms, who fail to execute the agreement shall be cancelled and EMD deposited by them shall be forfeited. **Owner/partners of the firm /authorized person shall sign the purchase agreement. All signatures should be attested by notary. (Authorized person will attach authority letter of owner / partners of the firm.)**

12. Security Money will be in the form of **Fixed Deposit/NSC or Bank Guarantee of Scheduled Bank** in the favour of **Excise Commissioner , Uttar Pradesh, payable at Allahabad**, or in the name of tenderer and pledged to **Excise Commissioner , Uttar Pradesh**, which will be returned after expiry of guarantee period.

13. After thorough examination if the equipments delivered are found to be defective and unserviceable, they are to be replaced with new one within 30 days in case of indigenous items and 60 days in case of imported items. The expenditure incurred on this account shall be born by the "Supplier Firm". In case of inability to do so, the total cost of the equipment shall have to be refunded by the firm to the Excise Commissioner U.P.

14. **Bill to be submitted in triplicate by the firm in the name of Excise Commissioner, Uttar Pradesh, Allahabad.** Normally payment of bill shall be made within 30 days of commissioning of equipments but in case of delay no interest will be paid.

15. Special Terms and conditions if any for any particular equipment has been mentioned in Annexure-I.

16. If any item is on D.G.S & D/ D.I./NSIC Delhi rate contract enclose copy of rate contract along with the technical offer.

Following declaration form duly filled and signed should be submitted along with the technical offer failing which tender will be rejected.

Excise Commissioner

Uttar Pradesh, Allahabad

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

DECLARATION

I, (name of authorized representative) -----
Son of-----of M/S (Name of firm) -----
-----have read all the rules of tender given above. These are
acceptable to our firm. Earnest Money in the form of Fixed Deposit /Bank draft/Bank Guarantee of scheduled
bank Rs.----- (in words)----- in favors
of **“Excise Commissioner, payable at Allahabad** is enclosed herewith.

PLACE: -----

DATE-----

(Signature and seal)

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

**PART II-B
FINANCIAL BID**

1. Name of the Company/firm
 - 2.Address of the Company/firm
- Pin code:

Telephone no.:

Fax no.:

3.The total cost of the equipments shall be:

| S. No. | Name of equipment | Price of the equipment | Tax | Transportation Charges | Total |
|--------|--|------------------------|-----|------------------------|-------|
| 1. | High Performance Liquid Chromatograph | | | | |
| 2. | Balance | | | | |
| 3. | pH Meter | | | | |
| 4. | Refractometer (digital) with accessories | | | | |
| 5. | Distill Water Plant (double) | | | | |
| 6. | Density meter | | | | |
| 7. | Karl Fischer Titrator | | | | |
| 8. | Digital Melting /boiling Point Apparatus | | | | |
| 9. | Air Conditioner | | | | |
| 10. | Centrifuge | | | | |
| 11. | Digital Burette | | | | |
| 12. | Moisture determination Apparatus | | | | |
| 13. | Membrane water purification | | | | |
| 14. | Tintometer | | | | |
| 15. | U.V. chamber | | | | |
| 16. | Micro pipette | | | | |
| 17. | Digital Thermometer | | | | |
| 18. | Microscope | | | | |
| 19. | Viscometer | | | | |
| 20. | Tablet Disintegration Apparatus | | | | |
| 21. | Rota Vapour | | | | |
| 22. | Percolator | | | | |
| 23. | B.O.D. incubator | | | | |
| 24. | Seripeter (dispenser) | | | | |
| 25. | Aqujet (pipette controller) | | | | |
| 26. | Soxhlet Extraction Apparatus | | | | |

4. Payment terms if any:

Signature:

Name:

Designation:

On behalf of:

Company Seal

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

Tender Form

Tender No- 1645/Bees-ke-Pra./ 2010-11Dt.03-01-2011 Due on 28-01-2011

To,

Excise Commissioner,
Uttar Pradesh,
171, Mumfordganj, Allahabad.

Subject- Offer for Supply of Gas Liquid Chromatographs & U.V. Vis. Spectrophotometers.

Sir,

Pursuant to the Notice Inviting Offer No----- Dated ----- issued by the Excise Commissioner, U.P. Allahabad I/ We hereby submit my / our offer for supply of above mentioned equipments for the laboratories of U.P. Excise.

2- I / We have thoroughly read and understood Terms and Conditions of offer for the aforesaid purpose and the Terms and Conditions of Tender document have been signed by me / us and I/ we hereby agree to duly abide by them.

3- I/We agree to keep my/ our this offer open for acceptance by the Excise Commissioner, U.P. after the last date of receipt of offer, I / We shall be bound by the communications of acceptance of this offer dispatched by your office within the aforesaid time.

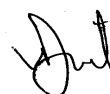
4- As required by the terms and conditions of offer we send herewith the duly completed technical and financial bid. Kindly accept the same.

Signature of Tenderer--

Address---

Date--

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

OFFICE OF THE EXCISE COMMISSIONER, U.P.
171, Old Mumfordganj, Allahabad. 211002
PHONE/FAX-(0532)2250837

GENERAL TERMS AND CONDITIONS FOR TENDERS

The details of specifications & instructions are to be followed strictly in accordance with the tender notice.

1.-The tendering firms are requested to submit the tender document in TWO PARTS. The First Part will be named as Technical Bid & the Second Part will be called as Financial Bid. The technical bid as well as financial bid is to be prepared separately for each tender. BOTH TECHNICAL BID AND FINANCIAL BID PROPERLY SEALED IN SEPERATE COVERS, MUST BE KEPT IN ONE BIG ENVELOPE AND SEALED CLEARLY MARKED "TECHNICAL/FINANCIAL BID INSIDE" addressed to the

Excise Commissioner
Office of the Excise Commissioner,
171, Old Mumfordganj,
Uttar Pradesh, Allahabad-211002

DO NOT QUOTE RATES IN THE TECHNICAL OFFER; OTHERWISE THE TENDER WILL BE REJECTED.

2. Tenderer / Authorized person who shall sign the offer and all the enclosures submitted by them should have signature with their designation, seal and date. The bids of the bidders, who have not accepted, signed and stamped all the terms and conditions of the bid shall be rejected. The technical bid of the bidders who have accepted all the terms and conditions of the bid and signed and stamped on the terms and conditions shall be considered. If bid opening day is a government holiday, then the bids shall be accepted and opened on next working day at the same time. The financial bid shall be opened only of technically successful bidders.

3. After submission of tender any addition, alteration or changes in any offer shall not be acceptable.

4. All the enclosures should be valid on the date of opening of the tender.

5. If any cutting/ corrections are there it should be properly attested by the tenderer.

6. Tenders received after the due date and time or incomplete or conditional tenders will not be accepted.

This office will not be responsible for postal delay.


7. Till the date of opening of the sealed tenders, the supplier may be registered in any one of the under mentioned agencies:

a). D.G.S.&D., New Delhi.

b). N.S.I.C., Delhi.

c). D.I.S.P.S. (U.P.), Kanpur.

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A.A.T. U.P.Excise, Allahabad

8. The firms not registered with any one of the above mentioned agencies shall enclose a bank draft for earnest money as mentioned in tender notice in favour of Excise Commissioner, U.P. Earnest money has to be

deposited **FOR EACH ITEM SEPARATELY along with the Technical Offer** in the form of **Bank draft/ Bank guarantee /Fixed Deposit of Scheduled Bank** pledged to **Excise Commissioner, U. P.** Offers without earnest money shall be ignored. If any firm is exempted from furnishing earnest money, enclose government orders. If government order is not submitted by the tenderer his tender will not be considered.

9- It shall be the responsibility of the tendering firms to present themselves on the dates of opening of Technical & Financial offers and acquaint themselves with the short comings in the tender if any. No separate intimation will be sent to them in this regard.

10 . Tenderers should submit the documents consisting of tender no., date, name of the tendered item and name & address of the tenderer. All papers of the tender document should be organized as per the check list. Tender Form (terms and tender document check list)

In case the manufacturer or the authorized distributor is the tenderer, he shall submit the certificate of authenticity.

Registration certificate D.G.S. &D. / N.S.I.C.or D.I.S.P.S.(U.P.) shall be attached.

Unregistered firms shall enclose a bank draft amounting to 2 percent of the approximate price of the equipment drawn in favor of Excise Commissioner, U.P., payable at Allahabad.

Non conviction certificate and a list of latest users shall be attached.

The original booklet regarding the standard/specifications of the equipment shall be enclosed to facilitate the comparison of the specifications. Related/significant website shall also be mentioned.


The latest documents of ITR, TIN, and PAN etc shall be enclosed.

Successful tenderer will have to supply and free demonstration shall be organized in the Excise laboratories of Allahabad, Meerut, Lucknow and Gorakhpur. All rates would be destination FOR.

The tendered amount shall be inclusive of all taxes and transportation cost etc. No payment other than the tendered amount shall be made but Import duty or other governmental taxes shall be documented separately.

The payment for the supplied equipments shall be done by the competent authority after verification and successful demonstration of the equipment.

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A.A.T. U.P.Excise, Allahabad

The number of equipments or accessories may be increased or decreased without any intimation.

The equipments shall be supplied within 30 days of the order and the successful tenderer will have to deposit security money @10% of the order value in cash or in the form of N.S.C./ Bank Draft/ or Bank guarantee, pledged to Excise Commissioner, U.P.

Any information regarding aforesaid tender can be obtained from office of Excise Commissioner, Allahabad on any working days.

11. The tenderer is required to submit an affidavit on Rs.10/- stamp paper stating that:

(a) That he/she or his/her firm is of repute and has good moral status.

(b) Have no criminal background or association and have not been convicted of any offence punishable under Indian laws. (Vis-à-vis of country's law in case of foreign firms).

(c) That he/she or his/her firm has never been blacklisted or debarred by any state/central government departments/organizations.

(d) That he or his firm is not in arrears of any public dues or Government dues.

[In case there is anything contrary to above it should be clearly mentioned]

12. The bidding firm shall have to attach self attested photocopy of the Income Tax, Sales Tax and Service Tax registration certificates along with the Audited Balance Sheet of last three years.

13. THE UNDER SIGNED RESERVES, THE RIGHT TO ACCEPT OR REJECT ANY TENDER, EITHER IN PART OR FULL, WITHOUT ASSIGNING ANY REASON THERE OF.

14. Firms must come prepared to demonstrate their goods in Excise Laboratory, at Allahabad, U.P., on the next date of opening of technical bid. Demonstration shall be asked if required, failing which tender may be rejected.

15. The selected firms have to fulfill all the terms & conditions mentioned in this tender document. Conditional tenders will not be accepted.

16. If any firm is found to violate any terms and conditions given above, the undersigned has right to deduct the part or full amount of the Earnest money/ Security money deposited by the firm. It may also be black listed and legal action may be taken.

17. The Court of Allahabad alone shall have the jurisdiction to decide any dispute arising in this regard.

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A.A.T. U.P.Excise, Allahabad

PART I
TECHNICAL BID
PART I (A): Terms & Conditions

1. Office of the Excise Commissioner, U.P., Allahabad invites sealed tenders from manufacturers/Direct importers/Distributors for the supply of equipments to the departmental laboratories at Allahabad, Meerut, Lucknow and Gorakhpur.
2. Authorized Agent/ Dealer / Supplier/ Distributor should submit a self attested valid certificate of authority of their Principal Manufacturer. Manufacturer should attach a proof of which being so.
3. Quoted equipments should be complete working system with all necessary accessories including stabilizer / UPS, cables, wires etc. to run the system properly at the time of installation.
4. Clearly mention installation requirements in the technical offer. Only space and electrical points will be provided at the time of installation. Installation of the supplied equipments shall be completed within 30 days from the date of receipt of equipment in the laboratory, failing which equipments costing up to Rs.5 lakhs, penalty of Rs.100-00 per day and for every additional 5 lakhs Rs.100-00 per day may be charged.
5. On Site guaranty of the equipments will be for one year on parts and labour or as specified in Annexure-I of the specifications in the tender form, from the date of successful installation. Guaranty of consumables and glass wares will be for one year or as per their shelf life. Maintenance work of the supplied equipments shall be done by the supplier firm during guaranty period.
6. During guarantee period, the complaints should be attended with in 24 hours and in case of out station service centers complaints should be attended with in 7 days, failing which equipments costing up to Rs.5 lakhs penalty of Rs.100-00 per day and for every additional 5 lakhs Rs.100-00 per day may be imposed.
7. Supply is to be executed as mentioned in the purchase order. Officer who is issuing purchase order can permit extra time on his discretion. If after making purchase agreement, any tenderer fails to supply goods of desired quality and quantity within 30 days, supply order may be cancelled and Security Money/Earnest money deposited by tenderer may be forfeited.
8. Attach a list of organizations to which the equipments have already been supplied and performance reports obtained from them with the technical offer.
9. The items quoted should be of repute / standard brand. The tenderer should mention full particulars about the brand name, make, model, manufacturer and detailed specifications of the material offered by them with printed literature.

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A.A.T. U.P.Excise, Allahabad

10. Technical details as per tender specifications or their compatibility with the tender specifications shall be clearly mentioned in the technical offer.

11. After the receipt of goods in Excise department laboratories, U.P., as specified in the purchase order, installation shall be carried out by the firms at the required places within Uttar Pradesh.
12. Tendering firms will also impart complete operational training to working analysts at sites for the supplied equipments free of cost.
13. Due to continuous research and developments and introduction of new models tenderer can supply upgraded model at the same quoted price with the permission from the department.
14. Tendering firms shall be responsible for supply of consumables, spares and services for equipments at least for **ten years** from the date of supply and installation.
15. If tenderer is unable to supply consumables, spares and services for **ten years**, it will be his responsibility to replace or upgrade it free of cost.
16. Supplier firm shall have to provide driver software and operating systems free of cost for **ten years**.
17. In case of imported goods, foreign manufacturers can directly quote their rates but shall provide list of their Indian Branch/ Agent, Name of trained engineers and details of service facilities available for after sale-services. Kindly provide this detail in technical bid.
18. If Indian agents are quoting on behalf of foreign manufacturers/ Principals then **self attested valid authority letter from them should be submitted along with the technical offer. Rates should be quoted in F.O.R. destination. Rates should be quoted in FOB as well as CIP value at New Delhi air port.**

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

1. Name of the Company/firm
2. Full address of the Company/firm

Pin code:

Telephone no.:

Fax no.:

3. Local address of company:
for communication ,if any
4. Certification Level (ISO/CMM):
5. Turnover in last Three Years
6. Trade Tax/Sales Tax Registration no.:
With place
7. Deposit of Trade Tax in last three years, (certificate enclosed issued by competent authority.)
8. Deposit of Income Tax return in last three years (certificate enclosed issued by competent authority.)
9. Service Tax Registration no.:
- 10 List of end users with place.

Signature:

Name:

Designation:

On behalf of:

Company Seal

Tender document Issued for website hosting



(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

PART II
FINANCIAL BID

PART I (A): Terms & Conditions

1. The tenderer shall have to clearly indicate the bid amount in figures and words including all the taxes and duties.
2. Firms quoting in Indian Rupees must enclose (i) Self attested photocopy of valid U.P. Trade Tax Registration / Central Sales Tax / VAT Registration / latest Clearance Certificate (ii) photo copy of PAN / TAN no. (iii) Bank account no., name of bank and branch.
3. Firms quoting in foreign currency on behalf of foreign principal manufacturer shall enclose (i) Documentary proof that their firm is registered with competent authority, (ii) photo copy of PAN / TAN no. (iii) Bank account no., name of bank and branch, and (IV) Authorization certificate of foreign principal manufacturer.
4. Quoted rates should be FOR destination as mentioned in tender document including all duties /taxes. However a detail breakup of quoted prices should be attached.
Rates should be quoted in two parts: 1(a)- Cost of equipment with one year guarantee (b)- AMC offer for next three years after guarantee. Year wise AMC offers shall be provided.
5. The validity of the rates should be at least for six months from the date of opening of the tender.
6. In case of imported goods, foreign manufacturers can directly quote their rates but shall provide list of their Indian Branch/ Agent, Name of trained engineers and details of service facilities available for after sale-services. Kindly provide this detail in technical bid.
7. If Indian agents are quoting on behalf of foreign manufacturers/ Principals then self attested valid authority letter from them should be submitted along with the technical offer. Rates should be quoted in F.O.R.destination.
8. The payment of the supplied equipments shall be done by the competent authority after verification and successful demonstration of the equipment. A certificate signed by demonstrator/tenderer and official responsible to operate it shall be essential.

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A.A.T. U.P.Excise, Allahabad

9. It will be the responsibility of the Indian agent of foreign principal to clear the consignment from customs and deliver it to Excise Department laboratories, Allahabad/Lucknow/Meerut/Gorakhpur as specified in the

purchase order. The Indian Agent would bear the custom clearance charges, transportation charges, octroi etc. for supply of the goods to the Excise Department Laboratories as mentioned in purchase order.

10. If rates are quoted in foreign currency by some firms and in Indian rupees by others, the exchange rate of foreign currency as prevailing on the last date of receipt of tender form.

11. Successful Tenderer will deposit 10% of the cost of equipment in India as security money in the form of demand draft/NSC/or Bank guarantee in favour of Excise Commissioner payable at Allahabad and sign a purchase agreement within 7 days after receipt of purchase order on Rs.100/-(Rs. one hundred only) non judicial stamp paper at their own cost. Draft of purchase agreement shall be enclosed with the purchase order. Purchase order to the firms, who fail to execute the agreement shall be cancelled and EMD deposited by them shall be forfeited. Owner/partners of the firm /authorized person shall sign the purchase agreement. All signatures should be attested by notary. (Authorized person will attach authority letter of owner / partners of the firm.)

12. Security Money will be in the form of Fixed Deposit/NSC or Bank Guarantee of Scheduled Bank in the favour of Excise Commissioner , Uttar Pradesh, payable at Allahabad, or in the name of tenderer and pledged to Excise Commissioner , Uttar Pradesh, which will be returned after expiry of guarantee period.

13. After thorough examination if the equipments delivered are found to be defective and unserviceable, they are to be replaced with new one within 30 days in case of indigenous items and 60 days in case of imported items. The expenditure incurred on this account shall be born by the "Supplier Firm". In case of inability to do so, the total cost of the equipment shall have to be refunded by the firm to the Excise Commissioner U.P.

14. Bill to be submitted in triplicate by the firm in the name of Excise Commissioner, Uttar Pradesh, Allahabad. Normally payment of bill shall be made within 30 days of commissioning of equipments but in case of delay no interest will be paid.

15. Special Terms and conditions if any for any particular equipment has been mentioned in Annexure-I.

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A.A.T. U.P.Excise, Allahabad

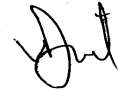
16. If any item is on D.G.S & D/ D.I./NSIC Delhi rate contract enclose copy of rate contract along with the technical offer.

Following declaration form duly filled and signed should be submitted along with the technical offer failing which tender will be rejected.

Excise Commissioner

Uttar Pradesh, Allahabad

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A.A.T. U.P.Excise, Allahabad

DECLARATION

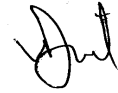
I, (name of authorized representative) -----
----- Son of- -----of M/S (Name of firm) -
-----have read
all the rules of tender given above. These are acceptable to our firm. Earnest Money in the
form of Fixed Deposit /Bank draft/Bank Guarantee of scheduled bank Rs.-----
(in words)----- in favors of **“Excise
Commissioner, payable at Allahabad** is enclosed herewith.

PLACE: -----

DATE-----

(Signature and seal)

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

PART II-B
FINANCIAL BID

1. Name of the Company/firm
2. Address of the Company/firm

Pin code:
Telephone no.:
Fax no.:

3. The total cost of the equipments shall be:

| S.No. | Name of equipment | Price of the equipment | Tax | Transportation Charges | Total |
|-------|--|------------------------|-----|------------------------|-------|
| 1. | Gas liquid Chromatograph | | | | |
| 2. | Double Beam Scanning U V Vis Spectrophotometer | | | | |

4. Payment terms if any:

Signature:


Name:

Designation:

On behalf of:

Company Seal

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A.A.T. U.P.Excise, Allahabad

1-General Specification- Gas Liquid Chromatograph (GLC)


ANNEXURE -1

A microprocessor controlled Latest Dual channel Gas Chromatograph should be fully automated with following minimum capabilities:-

- 1- Oven Ramps 20 times or more
- 2- Electronic Pneumatic Control of carrier gas pressure & flow independently.
- 3- Oven temperature Ambient upto 450°C.
- 4- One-button access to routine maintenance information.
- a) Column Oven
 - 1- Accommodates up to two 105m x 0.530mm id capillary columns.
 - 2- Operating temperature range suitable for all columns (packed & capillary) and chromatographic separations. Ambient temperature +4 °C to 450 °C.
 - 3- Temperature set point: 1°C.
 - 4- Column oven cooling from 400°C to 50°C within 5.0 min.
 - 5- Maximum achievable temperature ramp rate: 100°C/min or better.
 - 6- Temp. Variation/rejection : <0.01 °C per 1°C
 - 7- Carrier gas pressure setting range from 0 to 900 kPa or better.
 - 8- Electronic Pneumatic Control of carrier gas pressure & flow independently.
- b) Split/split less capillary inlet (S/SL) with EPC/APC-ONE
 - 1- Packed column injector port - one
 - 2- Suitable for all capillary columns (0.20µm, 0.25µm & 0.50µm id).
 - 3- Split/Split less mode for trace analysis.
 - 4- Maximum temperature: Ambient temp 400 °C. or more.
- c) FID Detector
 - 1- Flame ionization detector (FID) that responds to most organic compounds.
 - 2- Minimum detectable level:< 3.0 pgC/sec. or better.
 - 3- Linear dynamic range : 10⁶ .
 - 4- Flameout detection and automatic recognition.
 - 5- Maximum operating temperature: upto 450°C.
- d) Thermal Conductivity Detector (TCD)
 - 1- Temperature range : Upto 400 °C
 - 2- Dynamic range: 10⁵
 - 3- Sensitivity 16000 mV.ml/mg. or better.
- e) Chromatographic Data Software:

32-bit Windows XP/Vista compatible data software includes Single point control of all GC and its modules, customizable reports, data acquisition and post-run analysis. GLP/GMP functions, Audit Trail, Validation Assistant, System Suitability, QA/QC functions, All-in-one file configuration for easy data transfer, customized report generator, networking capability, data management etc.

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A.A.T. U.P.Excise, Allahabad

f) Columns:

Capillary Columns for Pesticides, Drugs & Alcohols analysis and related products.

1) DB-WAX or equivalent: 30 m x 0.25 mm I.D., 0.25 um

2) DB-5 or equivalent: 30 m x 0.53 mm I.D, 0.50 um.

3) 624 or equivalent: 30 m x 0.32 mm I.D, 3.00 um.

g) Branded AC to maintain sophisticated instrument capacity 2 Ton with stabilizer & all accessories.

h) Computer controlled system, 19 TFT monitor computer system with 500 GB hard disc, 04 GB RAM with other latest configurations of reputed make, laser printer of reputed make. Software should provide total support to analysis work controlling all the modules. Software features include high speed data acquisition and build analysis compatibility, full qualitative and quantitative processing function capability, GLP/GMP functions, Audit Trail validation assistant, system suitability, QA/QC functions, All-in-one file configuration for easy data transfer, customized report generator, networking capability, data management etc.

i) 5 K.V.A. online UPS with One Hour Backup.

j) Gas cylinder and regulator for Hydrogen, Nitrogen and zero air gas with gas purification panel

Optionals:

1. Auto Injector/ (Sampler) for 6 Vials /100 vials or more

Essential Accessories

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

4- Above instruments(one each) will be installed at Gorakhpur, Lucknow, Merrut and Allahabad
U.P.Excise Laboratory

5- Compliance statement with original catalogue from OEM to be enclosed. All related and essential accessories are to be quoted.

6- Prices should be quoted F.O.R. basis. Vender may also quote in Foreign Currency on CIP-New Delhi basis.

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(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

2- General Specification- Double Beam Scanning UV-VIS Spectrophotometer

Microprocessor based double beam U.V. visible spectrophotometer stand alone as well as PC. and software controlled with silicon diode Array detector with authenticated licensed window based operating system, including control and data handling software, GLP/GMP compliance. Complete installation at site with IQ/OQ/PQ as per GLP standards.

Specifications-

Wave length range- 190 to 1100nm
Variable Band width- from 0.5, 1.0.,2.0, & 4.0 or better
Wave length accuracy- +/- 0.1nm
Wave length Reproducibility- +/-0.1 nm
Stray light- less than 0.02% T
Photometric accuracy- +/- 0.002A (at 1A)
+/- 0.005 A(at 2A)
Photometric reproducibility- maximum deviation of 10 measurements at 1A
Less than 0.001 A
Photometric Stability- at 1 A, at 500 nm, better than 0.0001 a/ hour
Baseline Flatness- +/-0.001 A in full range
Baseline stability-0.0007 A/h, 500 nm 1nmslit, 2 hour warm-up
Optics- Double beam, sealed quartz-coated mirrors
Built in automatic 4-6 cell changer
With standard 10 nm quartz cuvettes which covers 190-1100 nm.
Service diagnostics/ operating CD.
System Qualification should comply IQ/OQ/PQ & 21 CFR Part 11 Compliance.

Optional accessories:-

Quartz cuvettes 3 ml cavity – 12 Nos.
Quartz cuvettes 1 ml capacity 06 nos.
Spare Deuterium Lamp(D2 lamp)-01 No.
19 TFT monitor computer system with 500 GB hard disc, 04 GB RAM with other latest configurations of repute make, laser printer of repute make compatible online UPS online UPS with one hour backup.
Guarantee- one year
AMC offer for next three years after guarantee- please provide year wise AMC offer.
Complete operational trainings to be provided to working analysts at site.
Above instruments(one each) will be installed at Gorakhpur, Lucknow, Merrut and Allahabad U.P.Excise Laboratory
All related and essential accessories are to be quoted.
10. Prizes should be quoted F.O.R. basis. Vender may also quote in Foreign Currency on CIP-New Delhi basis.

Tender document Issued for website hosting



(Dr.V.P.Dikshit)

A.A.T. U.P.Excise, Allahabad

1. QUATERNARY GRADIENT HPLC SPECIFICATIONS

ANNEXURE II

Fully microprocessor based Quaternary Gradient HPLC System (with Leak Sensor & Ultra Speed data processing (Lan) - Network) complete with integrate solvent delivery pump Photo Diode Array Detector (PDA), Rheodyne Injector Vacuum Degasser & Mixer, HPLC Performance kit, Advanced Computer Controlled Software, Auto Sampler Column Oven (Optional), Solvent filtration kit with vacuum pump & Sonicator, Sample filtration kit, Column C18-C8 Silica, Cyno Columns, Computer, UPS.

Integrated Solvent Delivery Pump

Operating flow range :- 0.001 to 10.0 ml / min.

Solvent delivery Module :- Ultra stable dual reciprocating parallel piston., Flow Accuracy :- $< \pm 1\%$.

Operating Pressure :- 0- 6000 psi (0-420 bar) , Flow Path material :- SUS 316, PTFE, Sapphire, Zirconium , Semi Auto Prime/Purge , Plunger : zirconium , Check valve : cartridge type

Automatic rinsing every 3 minutes standard , Compressibility compensation : automatic

Manual Sample Injection with Switch

Injection loop :- 5 ul and 20 ul , Auto start :- By Position Sensing Switch .

Type :- Six Port Flat Injector with Built in Needle port.

Vacuum Degasser & Mixer

Number of channel : 4 Channels , Maximum flow rate : 10 ml/min per channel $> 0 \sim 2.0$ ml/min per channel for 70% Gas Removed from Methanol, Internal volume per channel : 925 ul per channel

Materials in contact with solvent : Teflon AF, PEEK and Glass-filled PTFE.

Dual Wavelength UV/VIS Absorbance Detector (Optional)

Wavelength range :- 190 – 900 nm.

Automatic Scanning :- Blank Scan , Max, Add, Diff, Ratio Calculation between two Spectrums

Spectral bandwidth : 5.5nm , Wavelength Accuracy :- ± 1 nm. , Baseline noise : $< \pm 0.5 \times 10^{-5}$ AU at 254nm, dry cell , Baseline drift : $< \pm 1 \times 10^{-4}$ AU at 254nm or better , Linearity : $> 99.5\%$ at 2.5AU (acetone, 254nm) , Attenuation: 0.5×2000 , data acquisition upto 50 Hz

Using holographic concave grating to minimize energy difference for whole wavelength range

Flow Path Material :- SUS 316 Sapphire PTFE.

Photo Diode Array Detector

Noise Level : $< \pm 2 \times 10^{-5}$ AU (Empty Cell, 1Sec Rise Time, 254nm) or better

Drift : $< \pm 2 \times 10^{-4}$ AU/hr (Baseline Correction) , Slit Bandwidth : 1.7nm (Std), 2nm, 4nm, 8nm (Option)

Wavelength Accuracy : < 1 nm (HY-1 Holmium Oxide Filter) , GLP Compliance : -Photometric Accuracy,

Linearity, Noise Level, Drift , Wavelength : 190 ~ 950 (1 pixel=0.8nm) , Analog Output : 4 Channel

Valve Output : 2ch, Sampling Programmable , Filtering : Bassel, RC, AVER. 0.01 ~ 10Hz

Linearity : $< 5\%$ (254nm, 2.0AU); $< 1\%$ (254nm, 1.0AU) , 16bit AD Resolution , Cell : 1cm pathlength, 14ul.

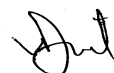
Autosampler (Auto Injector)

96 standard 2ml vials (32mm x 12mm) or well plates (96 or 384 capacity, deep or shallow) can be used.

Sample capacity : 2 Micro Well Plates according to SBS standards ; 96-well high/low , Loop volume : 1 - 5000 μ l programmable, 10 mL loop optional , Reproducibility :

RSD $\leq 0.3\%$ for full loop injections , RSD $\leq 0.5\%$ for partial loopfill injections , RSD $\leq 1.0\%$ for μ l pickup injections , Carry-over : $< 0.05\%$

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Column Oven (Optional)

Temperature range : 4°C (Cooling) - 90 °C

Temperature stability : $\pm 0.05^\circ\text{C}$, Temperature accuracy : $\pm 0.5^\circ\text{C}$, Temperature programs : 40 Steps

Column capacity : Total 3 columns(max. 2ea of 25cm column + 1ea of 15cm column)

Heat-up time : 16 minutes from 4°C to 90°C , Cool-down time : 13 minutes from 90°C to 4°C

Line frequency : 50/60Hz, $\pm 5\%$

HPLC Advanced Software

Window Vista (32bit) is available , Special License Key(USB type) , GLP & GMP Compliance

21 CFR Audit trail & LIMS compliance , Multichannel & Multitasking , With Leak Sensor

Ultra Speed data processing (LAN) - Nttetwork , Simultaneous data acquisition up to 4 system

PRE-INSTALLATION REQUIREMENT & ACCESSORIES FOR HPLC SYSTEM

Ultra Sonic Bath

Capacity :- 1.5 liters , Tank Size :- 240L x 135B x 65H (mm)

Solvent Filtration Kit

Solvent Filtration Assembly Glass / SS , Nylon 66 Membrane Filter , Vacuum Pump for above

Max. Flow – 15LPM, Vacuum-22" Hg (554mm) , Max. Pressure-25 Psig, 1/20 HP

Sample Filtration Kit

Ø 13mm S.S. Filter Holder , Rheodyne Needle , 5ml Gas Tight Syringe (Imported)

Nylon 66 Membrane Filter , Ø 13mm x 0.2u, (Pk of 100 Nos)

HPLC COLUMNS with Guard Column:-

C18 Column 250 x 4.6 mm , C8 Column 250 x 4.6 mm , Silica Column 250 x 4.6 mm

Amino Column 250 x 4.6 mm CN Column 250 x 4.6 mm

Computer System suitable for above

Computer controlled system, 19" TFT monitor computer system with 500 GB hard disc, 04 GB RAM with other latest configurations of reputed make, laser printer of reputed make. Software should provide total support to analysis work controlling all the modules. Software features include high speed data acquisition and build analysis compatibility, full qualitative and quantitative processing function capability, GLP/GMP functions, Audit Trail validation assistant, system suitability, QA/QC functions , All-in-one file configuration for easy data transfer, customized report generator, networking capability, data management etc.

UPS : 3 K.V.A. online UPS with One Hour Backup.

Essential Conditions:

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
- 4- Above instruments(one each) will be installed at Allahabad U.P.Excise Laboratory
- 5- Compliance statement with original catalogue from OEM to be enclosed. All related and essential accessories are to be quoted.
- 6- Prices should be quoted F.O.R. basis. Vender may also quote in Foreign Currency on CIP-New Delhi basis.

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2. Technical Specification- Digital Balance

1. Semi - micro Analytical Balances, one- touch calibration, fully Automatic Self- calibration, Easy access door, Splash Proof Key board and display with advanced Stabilization, Automatic Adjustable Environment Setting with multiple weighing units(g, mg, pcs,%, oz, ct, mom, dwt, GN, tl etc). GLP Compliance standard RS-232 Communication with PC, Under hook as standard, Win CT CD-ROM included. Data can be output to printer/computer indicating, date time, balance ID no and calibration weight. Two layer Housing.

2. Weighting capacity- 210 gm

3. Repeatability- ± 0.0001 gms

4. Accuracy- ± 0.0001 gms

5. Dimensions 249x330x328mm(WxDxH)

6. Linearity-(+/-) ± 0.0002 gms

7. Pan Size (mm) 85 mm dia.

8. Response Time 3.5 seconds or better

9. Display Graphical LCD Fluorescent Display

10. Counting minimum weight 0.10mg

11. Unit of Measure g/mg/ct/GN/mom/oz/dwt/pcs%/t

12. Tare Range Full

13. Power Supply A/C Adapter 230V, 50Hz

14. Connectivity for printing

15. Standard RS 232 C interface

16. Fully automatic Internal Calibration with Built in weight

17. Large bakelite LCD display.

18. Self calibration according to change in the ambient temperature

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.

5- Compliance statement with original catalogue from OEM to be enclosed. All related and essential accessories are to be quoted.

6- Prices should be quoted F.O.R. basis. Vender may also quote in Foreign Currency on CIP-New Delhi basis.

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3.pH METER

Micro processor based. Ph range 0.00 to 16.00, mV range +/- 1999. Temp. Range 10 to +130°C. Simultaneous display of pH/mV & Temp. Auto buffer recognition of nine buffer memory with 3/5 point calibration . 2 alarms indicator(High/Low) Memory up to 200 value, real time clock(optional). Self diagnostic features available. Bidirectional RS-232 computer interface(optional). Mains/ Rechargeable battery operated.

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
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4. Technical Specification-Refractometer (Digital) with accessories

Dual Electronic Temp. Control to 100 or better

| | |
|------------------------|---|
| Measurement Scales- | RI, BRIX(%sucrose),100 user Programmable Scales Temperature corrected RI, Brix |
| Measurement Range- | 1.26 -1.70 RI, 0 - 95 BRIX |
| Resolution - | 0.00001 RI |
| Reproducibility- | ± 0.00002 RI , ± 0.015 BRIX |
| Accuracy - | ± 0.00004 RI, ± 0.03 BRIX |
| Optical Wavelength- | 589.03 nm or better |
| Light Source- | LED(life 10,00,000 measurements or better) |
| Reading time- | Continuous readout or user Programmable delay Min.4sec or better |
| Temp. Control Range- | 15 ⁰ C - 100 ⁰ C or better |
| Temp. Accuracy- | 0.05 ⁰ C or better |
| Calibration - | Inbuilt Calibration system full multipoint |
| Printer - | Inbuilt or printer provided (Optional) |
| Temp. Stability Checks | Through Electronic Temperature Control |

OPTIONAL ACCESSORIES

NIST Traceable Calibration liquids

IQ/OQ/PQ Package

Data capture software

21 CFR COMPLIANCE Software

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.

5- Compliance statement with original catalogue from OEM to be enclosed. All related and essential accessories are to be quoted.

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5. Technical Specification-Double Distill Water Plant

Body- Stainless steel (304) body.

Model- Vertical type.

Capacity- 5 litres /10 litres per hour.

Water quality- Free standing electrically operated double distill water still capable of producing Pyrogen free as per IP/BP standards and should give no precipitate of chloride ions with silver nitrate solution.

- Quartz/ Stainless steel double distillation apparatus with automatic low water cut off device.
- The instrument should be installed and capacity & quality of distilled water is to be verified at site.
- Softener is to be provided with the instrument.
- Spares like heating element & softener etc. is to provided.
- All contact part should be made of stainless steal having immersion water heater,low meter protection and electrical control box.
- Mounted on sturdy MS tubular stand.
- The unit should be made according IS 380.

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.

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6. Technical Specification-Density meter


| | |
|--------------------|---|
| Measurement Range- | 0 to 3 g/cm ³ |
| Resolution | 0.00001g/cm ³ Temperature 0.01 °C |
| Accuracy- | +/-0.00005 g/cm ³ Temperature 0.03 °C |
| Temperature range- | 0 - 90°, (controlled via Peltier) |

Essential Features-

- ⊕ Temperature compensation.
- ⊕ Clearly visible measurement cell with video view option.
- ⊕ Connection of an internal syringe.
- ⊕ Easy handling with inbuilt PC
- ⊕ Comprehensive result storage of sample identification measurement unit, temperature correction of instrument identification date & time.
- ⊕ Transfer of data to a PC via USB or printer any time.
- ⊕ IQ/OQ/PQ Package

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
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7.Specification of KF Titrator

Space saving automatic Karl-Fisher titrator with the following specifications:

LCD Display: Live display of titration Curve and possibility of live modification of titration parameters

Measuring Modes: I_{pol} and U_{pol}

Polarization current range:- - 120....+1200μ A

Resolution ±0.1 μ A

Polarization Voltage range: -1200.....+1200mV

Resolution 0.1 mV

Burette type: Intelligent burette with chip which can automatically detect the burette volume, reagent type and titer validity etc...

Burette Resolution: 10000 steps per cylinder

Burette volume: 10 ml

Stirrer : Plug and play type magnetic stirrer with built in pump for addition and removal of solvent and waste respectively. Stirring speed and direction should be controlled from the main instrument.

Conditioning: Automatic reagent conditioning with monitoring of reagent volume or by time

Methods : method storage upto 1000 methods.

Results storage : Possible to export the results to PC/LIMS through the USB stick.

Calculation: Freely programmable calculation. 5 calculation per method

Statistics: Up to 20 sample data for Mean and RSD calculation

USB port : For peripheral connection like Balance, Printer, Mouse or Barcode reader.

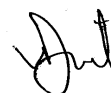
Printer : USB type Laser printer of repute make.

K F Reagent : 1 litre Bottle

KF Standard (Tablet) : 01 Set

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
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8. Technical Specification- Boiling/Melting Point Apparatus

The apparatus should be able to determine melting point and boiling point manually and automatically. It should have the facility of homogenous sample loading, and precision magnifying lens.

| | |
|---|---|
| Position for melting capillaries: | 3 |
| Positions for boiling capillaries: | 1 |
| Magnification of lens: | 2.5x |
| Display: colour, | TFT , 320x240,3.5 |
| Determination temperature range: Ambient | +10 ⁰ C to 400 ⁰ C |
| Temperature resolution | 0.1 ⁰ C |
| Accuracy melting point at: | 0.5 ⁰ C/min |
| upto 250 ⁰ C; | +/-0.3 ⁰ C |
| 250 ⁰ C to 400 ⁰ C | +/-0.3 ⁰ C to +/-0.5 ⁰ C |
| Repeatability melting point at 0.5 ⁰ C/min: | =/-0.1 ⁰ C |
| Accuracy boiling point at | |
| 1 ⁰ C/min upto 400 ⁰ C | +/- 0.5 ⁰ C |
| Repeatability boiling point at 1 ⁰ C | +/-0.3 ⁰ C/min |
| Temperature gradients ⁰ C/min | 0.1,0.2,0.5,1,2,3,5,10,20 |
| Heat up time(50 ⁰ C -350 ⁰ C)at 25 ⁰ C | 4 min or better |
| Cool down time(350 ⁰ C -50 ⁰ C)at 25 ⁰ C | 13 min or better |
| Contact termination | L,N,PE |
| Approval | CE, UL, CSA |
| Dimensions(WxHxD)mm | 190x200x370 |
| Altitude | upto 20000m |
| Humidity | Max relative humidity 80% for temperature upto 31 ⁰ C, decreasing linearly to 50 relative humidity at 40 ⁰ C |
| Overvoltage category | II , |
| Degree of protection | IP 20 |
| Pollution degree | 2 |

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
- 4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.
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9. Technical Specification- Air Conditioner

Specification

- Capacity: 2 ton Split AC, Remote type with room temperature display Instrument should consist:
- Compressor tropical rotary Dust filter.Auto Off/On timer. Auto Fan speed
- Energy saver, Auto restarts. Dry mode.
- Accessories Stabilizer, installation at site.

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.

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10. Technical Specification- Centrifuge

Max Speed: 4400 rpm Max Rcf 2350 gm or better

Max capacity 200 ml

W x D x H: 330x370x295 mm

Salient Features: Step less speed regulator. Safety lid interlock to prevent cover opening during centrifugation. Digital speed meter and 0-60 minutes, digital countdown timer. Dynamic brake for quick deceleration. Imbalance detector with cutoff. For 6 centrifuge tubes.

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
- 4- Above instruments(one each) will be installed at U.P. Excise Laboratory Allahabad.
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11. Technical Specification- Digital Burette

Specifications

- Capacity 10 ml / 25 ml, / 50 ml Resolution(ml) 0.01
- Accuracy $\pm 0.2\%$ μl 10/ 50/100 CV \leq % 0.1
- with standard and safety prime venting valve.
- Consisting easy calibration, safety discharge system, discharge tube with cap, telescopic filling tube, recalibration flag and adjustable dispensing angle.

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

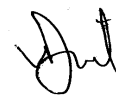
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12.MOISTURE DETERMINATION APPARATUS

Fast and uniform heating with halogen lamp and innovative SRA. High repeatability with SHS(Super Hibrid sensor). WinCT-Moisture and real time graphs. Sodium tartrate dihydrate for accuracy verification. Memo function. Five measurement programs(Standard, Quick, Timer and manual Mode). For heating modes. Large easy-to-read VFD display. Self check function. Confirms with GLP, GMP and ISO. ID calibration data and check record output. Max. Sample weight capacity 70 gm. or better, weight resolution 0.0001g., Moisture content display 0.001%/0.01%/0.1%. Moisture over 1g. 0.5% Accuracy over 5 gm. 0.01%. Drying temperature 30-200 °c. Measurement programs- standard Mode/Automatic Complete Mode/Timer Mode/Manual Mode/Quick Mode. Measurement Unit- Wet Base//Dry content/Ratio/Weight. Display time large VFD. Pan size 85 mm.

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
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13. SPECIFICATIONS FOR WATER PURIFICATION SYSTEM

Three stage Water Purification system capable of producing Ultra Pure Water for HPLC instruments application from Potable feed water directly connected with auto shut of facility with U.V. filter having following features:

1. Microprocessor - controlled Management Systems for continuous monitoring of water purity.
2. Recirculation of purified water through 20L/25L /40 L /50l docking vessel to maintain peak water quality.
3. Adjustable audio – visual alarms
4. Cartridge change reminder
5. Conformity to Type 1 (ASTM and NCCLS) standards
6. Operational mode display should include power on, process on, standby and recirculation.
7. Safety features should include automatic level controls, power fail safe, auto-restart and audio –visual alarms.
8. System monitoring should include- RO permeate purity, product water purity, Reservoir level, product water temp. etc. Provision to takeout RO and DI grade water.
9. The system should include a combination of multiple technologies such as pre-treatment (adsorption), Reverse Osmosis, De-ionization, photo-oxidation and recirculation.

PERFORMANCE SPECIFICATION:

| | |
|--------------------|---|
| Inorganics | : upto 18.2 mega Ohm-cm @ 25°C |
| TOC | : <1-3 ppb or better |
| Dispense Flow rate | : 1 ltr / min or better |
| Bacteria | : <1 CFU / mL (with optional P.O.U, <0.1) |
| Pyrogen | : <0.06 Eu/ml or better |

The reservoir/ docking vessel should have composite vent filter.

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
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14. Automatic colorimeter(Tintometer) for beer, malts & caramelsF

Colour Scales

EBC Colour (CIE x y chromaticity coordinates)

EBC Colour (430nm)

ASBC Colour (CIE x y chromaticity coordinates)

ASBC Colour (430nm)

X Y Z tristimulus values

x y Z chromaticity co-ordinates

CIE L*a*b Colour space

ΔE colour difference

Transmittance (full spectrum and at specified wavelengths)

Optical density (full spectrum and at specified wavelengths)

Accessories

(1) Suitable software & PC full operating instructions

(2) 1x10 mm, 2x25 mm optical glass cells

(3) Calibrated glass conformance filter (EBC 7.5)

(4) Spare lamp

Colour Scale Upgrades

Enable additional colour scales to be added to the standard instrument version

Spares & Optional Accessories

Lamp

Replacement sample chamber

Holder for standard spectrophotometer cells (12.5 mm width)

Dark sample cell for CIE values, 1mm path length (w 600/OG/ 10 mm cell with a conformance filters)

Certified colour reference materials (500 ml)

Replacement cells

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

3- Complete operational trainings to be provided to working analysts at site.

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15. Technical Specification- UV Chamber

For visualization of test objects under UV tubes having long wavelength(365 nm) and short wavelengths(254 n.m.) as desired. A fluorescent tube should be fitted to the unit for day light visualization. Supplied with three tubes to work on 220/230 volts A.C.

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
- 4- Above instruments(one each) will be installed at U.P.Excise Laboratory Allahabad.
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16. Technical Specification-Digital Micropipette

Specification

| | |
|--------------------|------------|
| Volume (μ l): | 0.5-10 |
| Subdivision of: | 0.01 |
| Accuracy: | \pm 1.0% |
| Imprecision: | \leq .4% |

- Should have ISO 8655 confirm usage. Should be autoclavable.
- Should be of chemical resistant material .Should have 4 digit display.

1- Guarantee- one year

2- AMC offer for next three years after guarantee- please provide year wise AMC offer.

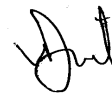
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17. Technical Specification-Digital Thermometer

Portable, Battery Operated, Digital L. C.D. readout temperature

Thermometer range- -10° to 250°C

Accuracy- ± 0.1 Degrees.

Battery life- two years or more

Display- 4 digit LCD, 0.3° (0.7 cm)H Updates once per second or better

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
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18. Technical Specification- Microscope

With 4 position objective nosepiece turret. Pre-centered & pre-focused abbe condensor 0.90 /1.25 oil .LED illumination, 6000k temp ,25000 h lifetime or better. Time delay illumination shut off facility. Objective PLAN 4x,10x,40x &100x oil.Earpiece pair 10x with pointer with digital Eyepiece camera 1.3 megapixel for image capturing. IMAGE ANALYSIS SYSTEM CONSISTING COOLSCOPE CAMERA 3CT. Sensor Type 1/2" CMOS. Pixels 3.15mp. A/D Conversion: 10 bit. Dynamic Range: 58 db. Max. Exposure : 3 sec. Max. Frame Rate: 35 fps. Cooling No. digital interface: Firewire. Optical interface: 0.5x C-MOUNT. Capture Pro For Windows & mac. CCd Adaptor for camera to microscope. SOFTWARE CAMERA CONTROL, MEASUREMENT Z AXIS STACKING (3D).

- 1- Guarantee- one year
- 2- AMC offer for next three years after guarantee- please provide year wise AMC offer.
- 3- Complete operational trainings to be provided to working analysts at site.
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- 5- Compliance statement with original catalogue from OEM to be enclosed. All related and essential accessories are to be quoted.
- 6- Prices should be quoted F.O.R. basis. Vender may also quote in Foreign Currency on CIP-New Delhi basis.

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19. TECHNICAL SPECIFICATION OF VISCOMETER

3 line LCD display, Key Board controls, Auto test(Auto test functionally test)with sound and visual alarm. User calibration possible. Spindles are made of SS 316 .Data displayed SP, rpm cP(m/Pa.s) &%of full scale, precision +_1% of full scale. Repeatability: +/- 0.2%, Using low viscosity adapter 0, 01. For viscosity equal or above 10,000cP1.0. Speed(rpm)0.1-2,00. No. of speeds54, Spindle made of Stainless Steel... Measuring range(cP) 05-6000000, Speed(rpm)0.1-200, Number of speed 54, Spindles 4. Download custom programs, Computer control through optional software. Bi- directional RS 232 PC interface, Shear rate/ shear stree,% Torque,Speed/spindles,UL adaptor to measure the viscosity from 1 CPS onwards, viscosity STD fluids 5 CPS, 100 CPS,5000 CPS.

Essential Conditions:

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20. Tablet Disintegration Apparatus

Salient Features Should Meet current specifications of USP, IP & other pharmacopoeias and be designed for use in the quality and production control of Normal Plain coated tablets and gelatin capsules.

Programmable Temperature and Time

Molded, clear acrylic water bath with illumination for better visibility. and Basket are automatically lifted at the end of the test and Capability for dual buffer disintegration test.

Audible, low water level alarm with indication on display for safely.

External temperature sensors available for individual beaker.

Specifications

- | | |
|---|--|
| 01. Dip speed: | 30+/-1DPM |
| 02. Stroke length: | 5.5 +/- 0.1 cm |
| 03. Water bath temperature range: ambient | +5 to 50 |
| 04. Water bath temperature accuracy : | +/-0.2 ° C |
| 05. Water bath circulation: | immersion Pump |
| 06. Beaker volume: | 1000 ml |
| 07. Basket: | 2x6 test positions (10mesh) USP type A |
| 08. Fluted Disk : | 6 Numbers in each basket USP type |
| 09. Test Mode: | Programmable Time up to 99:59 (hh:mm) Disply Format 99:59:59 Optional: Dual station with individual drive available |
| 10. Display: | 20x2 Line back lighted LCD display |
| 11. Keyboard : | Alphanumeric splash Water proof polyester soft keys. Printer: Parallel Port |
| 12. Output | RS-232 C: PC connectivity for Data Downloading |
| 13. Environment Operating conditions : | (a) Operation Indoor (b) Temperature Ambient to 45 (c) Humidity 20% to 80% |
| 14. Dimension (Approx) : | 330 x 330 x 580 cm (WxDxH) |

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21. Technical Specification- Rota Vapor

Dimensions:(L x H x D) 550x 575x415 mm

Operating voltage: 100-240 v or better

Frequency : 50/60 Hz

I P class : 21

Power consumption : 60 w (1360 W with bath)

Rotation speed : 20-280 rpm

Flask size : 50-4000 ml

Display : Rotation speed and Vapor temperature

Glass Assembly :

1. Vertical condenser with Shut -Off valve
2. For combined reflux and distillation process
3. Evaporating flask feed via stop-cock
4. Connection for vapor temperature sensor
5. Auto distillation possible with temperature probe and vacuum controller V-855

Heating Baths :

Dimensions : (Lx H x D) : 285x 240x 300 mm

Operating voltage : 100-120V/ 220-240 V

Frequency : 50/ 60 Hz

Power consumption : 1300 W

IP class: 21

Bath size : Upto 3 litres

Max flask size : upto 3 litres

Temperature range: 20-180° c

Temperature range : 0-1° c

Display : set and actual temperature, water/oil

Vacuum Controller

1. Vacuum regulation of set pressure with the vacuum pump by speed regulation or by switching on and off the vacuum valve. The novel speed control allows a hysteretic free vacuum control with quite operation.
2. Timer function for stopping the process after a preset time.
3. Lab Vac function:
4. A wizard for a quick configuration using simple menu control.
5. USB interface for data transfer to PC for storage, evaluation and optimization
6. The solvent library having an integrated library with 43 or more present so solvents that can be expanded.

Measuring range 1400-0 mbar (hPa), 1050-1 Torr

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| | |
|---------------------------|--|
| Control range | 1100-1 mbar(hPa),825-1 Torr |
| Measuring Principal | Capacitive,absolute pressure measurement independent of gas type, Sensor of aluminum oxid-ceramic |
| Accuracy of measurement | +/- 2 mbar(+/-1 digit)following calibration at constant temperature |
| Vacuum connection | GL 14 |
| Thermal response | 0.07 mbar/K |
| Ambient temperature range | +10° C to +40° C |
| Display Graphic LCD | |
| Interfaces | USB (data transmitting) RS232 / RS 485 (communication),remote control, cooling water valve, switch box, vacuum valve |
| Operating voltage | 30 VDC(via RS 485 of R-210/215 or V-700/710) or AC power pack 85-264 V |
| Power consumption | 10 w |
| Dimensions : (Lx H x D) : | Up to 160 x 105x 120 |

Chiller

1. Temperature range: From -10° C to 40° C

Specification For Vacuum pump:

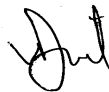
Ultimate Vacuum, mbar (torr): 2(~1.5)

Flow Rate,L/min.(cfm): 58 (2.1)

Dimensions,D x W x H)(In) : 45x30x25

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23. Technical Specification- BOD Incubator


Size (wxdxh) 570 x 550 x 875 mm

Capacity 06 Cuft/ 10 Cuft

The temperature range should be from 5 °C to 60°C controlled by microprocessor based digital temperature indicator cum controller with an accuracy of ± 0.5 °C Consisting of automatic voltage stabilizer. Castor wheel mounted cabinet should be double walled with inner chamber of stainless steel and outer wall of M.S Sheet Steel duly painted. Triple walled back of the unit should be fitted with two air circulation fans for maintaining temperature uniformity throughout the chamber. Full view inner glass door to permit inspection of specimens without disturbing the same. Lock and key arrangement should be provided in the double walled outer door. It should have removable shelves and arrangement to change from heating to cooling and vice-versa Unit should be fitted with door operated illumination lamp inside the chamber. The front panel should be provided with separate indicator lamps for main, heating and incoming voltage. Interior illumination should be with fluorescent tubes.

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24. Technical Specification- Seripettor (Dispensor) with its accessories

Specification

Volume range: 1-10, Graduation: 0.2

Volume range: 2.5-2.5, Graduation: 0.5

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25. Technical Specification- Pipette Controller

Specification

1. Should have sensitive meniscus control, even with low volume pipettes.
 2. Light weight and smoothly rounded grip to ensure comfort and minimize fatigue.
 3. Securely holds all pipettes from 0.1 to 100 ml.
 4. Active vapor exhaust, check valve and filter to help protect instrument from liquid and vapors.
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26. Technical data Soxlet Extraction Apparatus

| | |
|--------------------|--|
| Mains voltage | 100-120 V/220-240 V+/-10% |
| Power consumption | 700/ 1200 Watt |
| Frequency | 50/60 Hz |
| Ambient conditions | For indoor use only |
| Temperature | 5- 40° c |
| Altitude | up to 2000 m |
| Humidity | Maximum relative humidity 80% for temperature up to 31° c decreasing inearly to 50% relative humidity at 40. |

Degree of protection IP 20

Degree of pollution 2

Breaker Volume 130 ml

Volume of glass sample tube 115 ml

Volume of soxhlet glass chamber 190 ml

Max water cooling water consumption 072 lit./hour

Max. Water pressure 4 bar

Dimension (WxHxD) 275x776x456 mm

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