

अति आवश्यक / महत्वपूर्ण / द्वारा फैक्स

उत्तर प्रदेश पुलिस तकनीकी सेवायें मुख्यालय,

चतुर्थ तल, जवाहर भवन, अशोक मार्ग, लखनऊ-226001 10/
पत्रांक-टीएस / एमओडी-109 / 2014 (एफएसएल) दिनांक, सितम्बर 5 2015
सेवा म

निदेशक,
सूचना एवं जन सम्पर्क विभाग, (विज्ञापन प्रभाग),
उत्तर प्रदेश, लखनऊ।

विषय- आधुनिकीकरण योजना के अन्तर्गत निम्नलिखित उपकरणों के कयार्थ निविदा आमंत्रित किया जाना।

महोदय,

कृपया उपर्युक्त विषयक विज्ञापन की 05 प्रतियाँ अंग्रेजी / हिन्दी में मय सी0डी0 के संलग्न कर इस अनुरोध के साथ प्रेषित की जा रही है कि उक्त नोटिस को व्यापक प्रचार-प्रसार वाले प्रमुख दैनिक समाचार पत्र हिन्दी / अंग्रेजी जैसे दिल्ली / लखनऊ / मुम्बई से प्रकाशित होने वाले दैनिक जागरण, अमर उजाला, दि प्वाइनियर, टाइम्स आफ इन्डिया तथा द न्यू इन्डियन एक्सप्रेस आदि प्रमुख समाचार पत्रों में प्रकाशित करने का कष्ट करें।

2/ इस सम्बन्ध में निविदा के विज्ञापन की स्वच्छ टंकित प्रति एवं एमएस वर्ड (फारमेट में सी0डी0) साफ्ट कापी भी वेब साइट पर प्रसारित कराने हेतु संलग्न की जा रही है।

3/ अनुरोध है कि कृपया संलग्न निविदा को प्राथमिकता के आधार पर प्रकाशित कराने का कष्ट करें।

संलग्नक-विज्ञापन की प्रति 05 प्रतियों में।

2-सी0डी0की साफ्ट कापी।

भवदीय
(संजय कुमार)
अपर पुलिस अधीक्षक, तकनीकी सेवायें,
निमित्त-पुलिस महानिरीक्षक, तकनीकी सेवायें,
लखनऊ।

प्रतिलिपि-पुलिस महानिरीक्षक, प्रो0 / बजट, उ0प्र0 पुलिस मुख्यालय, इलाहाबाद को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

2-प्रतिलिपि- पुलिस अधीक्षक / सहायक निदेशक, उ0प्र0 पुलिस कम्प्यूटर केन्द्र, लखनऊ को विज्ञापित निविदा की एक प्रति एवं सी0डी0 संलग्न कर इस आशय से प्रेषित है कि उक्त निविदा को उ0प्र0 पुलिस की वेबसाइट पर भी प्रसारित कराने का कष्ट करें। संलग्नक-यथोपरि

3-प्रतिलिपि-निदेशक, एफएसएल, लखनऊ लखनऊ को सूचनार्थ एवं प्रचार-प्रसार एवं आवश्क कार्यवाही हेतु।

4-प्रतिलिपि- नोटिस बोर्ड तकनीकी सेवायें, लखनऊ को चस्पा करने हेतु।

Phone/Fax No..0522-2286615

U. P. POLICE TECHNICAL SERVICES HEADQUARTERS
 IVth FLOOR JAWAHAR BHAWAN, ASHOK MARG, LUCKNOW-226 001
 TENDER NO.: TS-MOD-109//2014(FSL)

DATED : Sept. 5 / 10 2015

SHORT NOTICE INVITING RE-TENDER

- 1- Sealed Tenders are invited from the Indian Manufacturers/registered firms/ Authorised agent of foreign manufacturer for purchase of the following equipment for the use of U.P.Police.
- 2- The tender form and tender document for item mentioned below along with Technical specification for Item given may be downloaded from U.P. Police website <http://uppolice.gov.in> on payment of Rs. 300-00 as fee of Tender cost documents in the form of DD/Banker Cheque/FDR/ in favour of of S.P.AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.
- 3- Cost of tender document is not refundable, while earnest money(EMD) is refundable after tender process.
- 4- Tender documents will not be given on cash through Technical Head Quarter.
- 5- Each Tenderer will have to deposit an E.M.D. as mentioned against tender in the form of DD/ Banker's Cheque/FDR. in favour of S.P./AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.
- 6- Successful tenderers will have to deposit a security money @ 10% of the order value, which will be returnable after expiry of warranty period.
- 7- The Technical Head Quarters may cancel the tender at anytime without assigning any reason for the same in the public interest.
- 8- The Number of equipments may be increased as per need and the increased quantity will also have to be supplied within time stipulated by the Department.
- 9- The lowest bid will be decided on the basis of total cost (inclusive of all taxes.)

Tender No.	Item	Qty	EMD (in Rs.)	Cost of Tender Document (in Rs.)
(1)TS-MOD-109/14/2015(FSL)	Comparison Microscope With Computer Interface	02	2,80,000-00	300-00
(1)TS-MOD-110/14/2015(FSL)	GCMS (Gas Chromatograph)	01	1,60,000-00	300-00

Start of Sale of Tender documents from
 Last date of sale tender documents
 last date of deposit of tenders
 Date of opening of Technical Bid
 Date of Purchase committee meeting for technical evaluation
 Date of opening of financial offer
 Date of purchase committee meeting for financial evaluation

12-10-2015 at 11-00 am
 27-10-2015 upto 11-00am
 27-10-2015 upto 02-00pm
 27-10-2015 at 04-00pm
 29-10-2015 at 11-30am
 02-11-2015 at 11-30am
 04-11-2015 at 04-00 pm

(SANJAY REMAR)
 Addl. Supdt. Of Police, Technical Services,
 Dy/ Insp. Genl. Of Police, Technical Services,
 Lucknow.

उत्तर प्रदेश पुलिस तकनीकी सेवायें मुख्यालय,

चतुर्थ तल, जवाहर भवन, अशोक मार्ग, लखनऊ
संख्या-टीएस-एमओडी-109/2014-(एफएसएल) दिनांक - सितम्बर 5¹⁰ 2015

अल्प कालिक पुनर्निविदा

- 1- उत्तर प्रदेश पुलिस हेतु निम्न उपकरणों की सील बन्द निविदा भारतीय मैनुफैक्चरर/डीलर/रजिस्टर्ड फर्म / विदेशी मैनुफैक्चरर के अधिकृत विक्रेता से आमंत्रित की जाती है।
- 2- निविदा प्रपत्र व उपकरण से सम्बन्धित तकनीकी स्पेशीफिकेशन उत्तर प्रदेश पुलिस की वेबसाइट <http://uppolice.gov.in> से डाउनलोड किया जा सकता है। निविदा शुल्क के रूप में ₹0 300.00 का बैंक डाफ्ट/बैंकर चेक/एफडीआर पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0 पुलिस कम्प्यूटर केन्द्र लखनऊ के नाम देय होगा, जमा की जायेगी।
- 3- निविदा शुल्क किसी भी दशा में वापस नहीं किया जायेगा तथा निविदा स्वीकृत न होने की दशा में ईएमडी वापस कर दी जायेगी।
- 4- तकनीकी सेवायें मुख्यालय से नगद भुगतान पर टेण्डर डाकुमेंट्स विक्रय नहीं किये जायेंगे।
- 5- प्रत्येक टेण्डरकर्ता द्वारा टेण्डर की ईएमडीए डीडी/ एफडीआर / बैंक गारन्टी के रूप में, जो पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0 पुलिस कम्प्यूटर केन्द्र लखनऊ के नाम देय होगा, जमा की जायेगी।
- 6- सफल टेण्डरकर्ता द्वारा कयादेश मूल्य का 10 प्रतिशत धनराशि सिक्क्योरिटी मनी के रूप में जमा किया जायेगा, जो उपकरण के सन्तोषजनक ढंग से कार्य करने के उपरान्त उनके वारन्टी अवधि के उपरान्त वापस कर दी जायेगी।
- 7- तकनीकी मुख्यालय द्वारा जनहित में किसी भी समय बिना कारण दर्शाये टेण्डर को निरस्त किया जा सकता है।
- 8- उपकरणों की संख्या विभाग की आवश्यकतानुसार बढ़ायी जा सकती है तथा विभाग द्वारा बढ़ायी गयी संख्या को फर्म को निर्धारित अवधि में आपूर्ति करना होगा।
- 9- समस्त टैक्स सहित न्यूनतम निविदा एल-1 पर विचारा किया जायेगा।

टेण्डर संख्या	आइटम	सं०	ई0एम0डी0 (रु० में)	टेण्डर डाकुमेंट का मूल्य (रु० में)
(1) टीएस-मोड-109/2014(एफएसएल)	कम्प्रेजन माइक्रोस्कोप विद कम्प्यूटर इन्टरफेस	02	1,80,000-00.	300/-
2-टीएस-मोड-110/2014(एफएसएल)	जीसीएमएस (गैस कोमैटोग्राफ)	01	1,60,000-00	300/-

निविदा विक्री की तिथि
निविदा फार्म विक्री करने की अन्तिम तिथि
निविदा जमा करने की अन्तिम तिथि
तकनीकी भाव पत्र खोले जाने की तिथि
तकनीकी भाव पत्र पर कय समिति की बैठक
वित्तीय भाव पत्र खोले जाने की तिथि
वित्तीय भाव पत्र पर कय समिति की बैठक

12.10.2015 समय 11.00 बजे पूर्वान्ह
27.10.2015 समय 11.00 बजे पूर्वान्ह
27.10.2015 समय 02.00 बजे अपरान्ह
27.10.2015 समय 04.00 बजे अपरान्ह
29.10.2015 समय 11.30 बजे पूर्वान्ह
02.11.2015 समय 11.30 बजे पूर्वान्ह
04.11.2015 समय 04.00 बजे अपरान्ह

(संजय कुमार)

अपर पुलिस अधीक्षक, तकनीकी सेवायें,
निमित्त-पुलिस महानिरीक्षक, तकनीकी सेवायें,
लखनऊ।

41 - Supplier firm will provide driver software for new operating systems free of cost for ten years.

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

43 - Conditional tenders will not be accepted.

44 - If any firm will be defaulter of 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 , firm may be black listed and legal action may be taken.

45 - All disputes will be subject to jurisdiction of court at Lucknow only.

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

(Amitabh yash)
Insp. Genl. Of Police, Technical Services,
U.P. Police Technical Services, Lucknow

DECLARATION

I, (name of authorized representative)----- Son of-
-----of M/S (Name of firm) -----
-----have read all the rules of tender (1 to 47) given above. These are acceptable to
our firm. Earnest Money in the form of Fixed Deposit of scheduled bank Rs.----- (in words)-----
----- in favors of "**Superintendent of Police / Asstt. Director, Uttar
Pradesh Police Computer Centre, payable at Lucknow**" is enclosed herewith.

PLACE: -----

DATE-----

(Signature and seal)

- 41 - Supplier firm will provide driver software for new operating systems free of cost for ten years.
- 42 - Tenders received after the due date and time or incomplete tenders will not be accepted. This office will not be responsible for postal delay.
- 43 - Conditional tenders will not be accepted.
- 44 - If any firm will be defaulter of 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, firm may be black listed and legal action may be taken.
- 45 - All disputes will be subject to jurisdiction of court at Lucknow only.

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


 (Amitabh yash)
 Insp. Genl. Of Police, Technical Services,
 U.P. Police Technical Services, Lucknow

DECLARATION

I, (name of authorized representative) _____ Son of- _____
 _____ of M/S (Name of firm) _____
 _____ have read all the rules of tender (1 to 45) given above. These are acceptable to
 our firm. Earnest Money in the form of Fixed Deposit of scheduled bank Rs. _____ (in words) _____
 _____ in favors of "Superintendent of Police / Asstt. Director, Uttar
 Pradesh Police Computer Centre, payable at Lucknow is enclosed herewith.

PLACE: _____

DATE: _____

(Signature and seal)

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.

29 - It will be the responsibility of the Indian agent of foreign principal to clear the consignment from customs and deliver it to Forensic Science laboratory, Lucknow/Agra/Varanasi as specified in the purchase order. The Indian Agent would bear the custom clearance charges (except custom duty), transportation charges, octroi etc. for supply of the goods to F.S.L. Lucknow/Agra/Varanasi.

30 - Forensic Science Laboratory, U.P., has to pay concessional customs duty. Custom duty at concessional rate certificate will be provided by FSL.

31 - Successful Tenderer will deposit 10% of the cost of equipment in India as security money and sign a purchase agreement within 7 days after receipt of purchase order on Rs. one hundred 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 will sign purchase agreement. All signatures should be attested by notary. (authorized person will attach authority letter of owner / partners of the firm.)

32- Security Money will be in the form of Fixed Deposit of Scheduled Bank in the name of Superintendent of Police / Asstt. Director, Uttar Pradesh Police Computer Center, payable at Lucknow, or in the name of tenderer and pledged to Superintendent of Police / Asstt. Director, Uttar Pradesh Police Computer Center, Lucknow, which will be returned after expiry of warranty period.

33 - After thorough examination if the equipment delivered is found defective and unserviceable, it is to be replaced with new one within 30 days in case of indigenous items and 90 days in case of imported items. The expenditure incurred on this account will be borne 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 government of U.P.

34 - Bill to be submitted in triplicate by the firm in the name of Dy. Inspector General of Police, U.P. Police Technical Services, Head Quarters, Lucknow. Normally payment of bill will be made within 30 days but in case of delay no interest will be paid.

35 - Special Terms and conditions if any for any particular equipment has been mentioned below the specifications of the equipment in the tender form.

36 - If any item is on D.G.S & D/ D.I. rate contract enclose copy of rate contract along in the technical offer.

37 -Tendering firms will also impart hands on training for the supplied equipments wherever necessary free of cost.

38- Due to continuous research and developments and introduction of new models tendered can supply upgraded model at the same quoted price with permission of the department.

39 - Tendering firms should ensure that they will make available consumables, spares and services for equipments at least for ten years from the date of supply and installation.

40 - If supplier is unable to supply consumables, spares and services for ten years, he has to take back the supplied equipment and replace it by upgraded version free of cost.

13 - 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 in case of indigenous supply and 60 days in case of foreign supply, supply order may be cancelled and Security Money/Earnst money deposited by tenderer may be forfeited.

14 - Attach list of organizations to which the equipments have already been supplied and performance reports obtained from them with the technical offer.

15 -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.

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

17 - Firms shall quote in Indian Rupees and they 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.

18 - The tenderer is required to submit an affidavit on 10 rupees stamp paper stating that :

(1)there is no dispute between the tenderer and state Govt./UP Police.

(2) the tenderer has no link with Mafia or some unsocial elements or organized crime.

19 - Quote rates including packing, forwarding, insurance, installation FOR destination any where in U.P. excluding all taxes and duties. However VAT, Entry Tax, other taxes and levies etc., should be mentioned separately. Rates should be quoted in two parts: 1- Cost of equipment with Two years on site comprehensive warranty, 2- Year wise charges for on site comprehensive annual maintenance contract from 3rd year to 5th year.

20 - After the receipt of goods in Forensic Science Laboratory, U.P., as specified in the purchase order(any district of U.P.), installation where needed shall have to be carried out by the firms at the required places within Uttar Pradesh.

21 - Any conditional discount on quantity basis (different discounts for different quantities) shall not be acceptable and such offers shall be rejected out rightly. However, unconditional discount given on quoted price on whole quantity, mentioned in financial offer only be acceptable.

22 - THE Technical Headquater RESERVES THE RIGHT TO ACCEPT OR REJECT ANY TENDER, EITHER IN PART OR FULL, WITHOUT ASSIGNING ANY REASON THERE OF.

23 - Firms must come prepared to demonstrate their goods in Forensic Science Laboratory, U.P., Mahanagar, Lucknow - 226006, on the next date of opening of technical bid. Demonstration will be asked if required, failing which tender will be rejected.

24 - The Technical Headquater has right to accept any lower or higher rates of the tenders without assigning any reason.

25- The validity of the rates should be at least for six months from the date of opening of the tender.

26 - In case of imported goods, foreign manufacturers can directly quote their rates but after sales service will be provided by their Indian Branch/ Agent. Name of trained engineers and details of service facilities available should be mentioned in technical offer.

27 - 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 CIF Value at New Delhi air port.

28 - Tenderer have to accept one of the following payment terms:

U.P. POLICE TECHNICAL SERVICES, HEAD QUARTERS,

IVth FLOOR, JAWAHAR BHAWAN, ASHOK MARG, LUCKNOW-226001

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 offer in TWO PARTS. The First Part will be named as Technical Offer & the Second Part will be called as Financial Offer. **The technical offer as well as financial offer are to be prepared separately for each tender.** BOTH TECHNICAL OFFER AND FINANCIAL OFFER PROPERLY SEALED IN SEPERATE COVERS, MUST BE KEPT IN ONE BIG ENVELOPE AND SEALED. ON EACH COVER INDICATE CLEARLY THE TENDER NO. _____ ITEM AND DATE _____ OPENING DUE ON _____. DO NOT QUOTE RATES IN THE TECHNICAL OFFER, OTHERWISE THE TENDER WILL BE REJECTED.
- 2- check list duly filled and signed with stamp must be submitted by the bidder.
- 2 - After submission of tender any addition, alteration or change in any offer shall not be acceptable.
- 3 - All the enclosures should be valid on the date of opening of the tender.
- 4 - If any cutting/ corrections, it should be properly attested by the tenderer.
- 5 - Earnest money (as mentioned in tender advertisement in news papers) has to be deposited **FOR EACH ITEM SEPARATELY** along with the Technical Offer in the form of **Fixed Deposit of Scheduled Bank** in the name of Superintendent of Police/ Asstt. Director, Uttar Pradesh Police Computer Center, payable at Lucknow,. Offers without earnest money will 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.
- 6 - 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.
- 7- 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. Authorization is not necessary for Kits, Chemicals, Glassware, General Apparatus, Lab work station, furniture .
- 8 -Tenderer / Authorized person who shall sign the offer and all the enclosures submitted by them should have signature with their designation, seal and date.
- 9 - 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.
- 10 - 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 this laboratory, failing which equipments costing up to Rs.5 lacks, penalty of Rs.100-00 per day and for every additional 5 lacks Rs.100-00 per day may be charged.
- 11- On Site Comprehensive Warranty of the equipments will be TWO YEARS on parts and labour or as specified below the specifications in the tender form from the date of supply and successful installation. Warranty of consumables and glass wares will be one year or as per their shelf life. Maintenance work of the supplied equipments shall be done by the supplier firm during warranty period.
- 12 - During warranty period, in case of local service centers complaints should be attended Next Business Day and in case of out station service centers complaints should be attended with in 7 days, failing which equipments costing up to Rs.5 lacks penalty of Rs.100-00 per day and for every additional 5 lacks Rs.100-00 per day may be charged.

SPECIFICATION OF GCMS

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Specifications of Gas Chromatograph:

1. GC-HS system fully PC controlled from ambient temperature +4°C to 450°C
2. Facility to install two capillary columns of 30m.
3. Oven temp ramp rate of oven should be 100°C or better.
4. Possible to program 8 temp ramp or better.
5. 8 EPC/PPC channel for inlets, detectors or auxiliary gases or more.
6. Preferably cool down rate 450°C to 50°C within 4 minutes or better.
7. Flow sensor for control & storage of split ratio.
8. Possible to use capillary columns of 50, 100, 250, 320microns and above.
9. The pressure set point should be adjustable by increments of 0.01 psi to 100 psi. Maximum temperature attainable should be 400°C or more.
10. Two injectors should be provided. The system should be provided with temperature programmable split/ split-less inlet for capillary columns having pressure range up to 100 psi.
11. Fully automatic auto sampler: having capacity of 100 vials or more with area reproducibility of 0.5% RSD or less. It should inject from 0.1µl to 50µl or better with variable speed & varying syringe sizes and must operate from software. Auto sampler must have facility to inject samples at two injection ports without any manual changeover and should be quoted with all necessary utilities along with qualitative and quantitative analysis software.
12. The system should have one FID detector with the following specification or better.
MDL<3pgc/s or better, dynamic range > 10⁶ Data Acquisition rate up to 200Hz or better. All gases flow should be adjustable and controlled by software.
13. Sample splitting through software for two detector simultaneous analysis should be offered.
14. PC operated static heated transfer line based dedicated headspace analyzer with 25 or more vials with minimum 3 or more thermostatic over lapping injection possibility and 2 or more priority samples positions having an RSD of < 2 % operational through software.

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Specifications:

1. LAN based quadrupole MS system with non coated inert ion source. System should include turbo molecular pump with 250L/Sec. or better capacity with EI source and CI
2. Mass range of 2-1000amu in 0.1 amu steps.
3. Mass axis stability should be 0.10 amu/48 hours.
4. Scan speed up to 10000 μ /Sec. or better.
5. Ion source temperature up to 350°C for better sensitivity. And it should be programmable.
6. Transfer line temp 100-350°C.
7. Ionization energy range up to 70eV or better.
8. Ionization current range up to 10-100 eV or better.
9. The mass spectrometer shall have the capability to create a 32 SIM ion groups with up to 32 ions per group or more.

Sensitivity Specifications:

10. Positive CI Full Scan sensitivity 225 : 1
11. Negative CI Full Scan sensitivity 600 : 1
12. EI Full Scan sensitivity 800 : 1
13. Sensitivity, S/N Ratio $\geq 800:1$ or better for 1pg OFN m/z 272/222.
14. Spectral libraries: (A) NIST LATEST VERSION-2014 WITH LICENCE.
15. The system should have back flush facility.
16. The system should be Quoted with all necessary utilities for GC-MS-HS
17. Columns: suitable capillary columns for narcotic drugs, petroleum samples, alcohol samples, toxicological samples two numbers each. (total eight columns)
Peak make gas generators for hydrogen, nitrogen and zero air.
18. All BIS marked gas cylinders (hydrogen, zero air, nitrogen, helium and methane), regulators (double stage SS), gas purification panels for all gases, tubing's, ferrules with all necessary chemicals and all necessary spares for two years. Automatic leak check facility for carrier gas. Additional syringes of 2, 5 and 10 micro liters (5 each).
19. Calibration mixture/standard mixture - 2 No.

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COMPUTER SPECIFICATION

1. Branded with i7 processor with at least 8GB RAM, 1 TB HARD DISK, 21 inch colored TFT with cordless mouse and keyboard, graphic card Original (genuine)
2. Windows 8 Office 10 Antivirus with office (all in original).
3. 10 KVA Online UPS with ONE HOUR Backup (maintenance free batteries).
4. FIVE years CMC for complete instrument after two year standard warranty.
5. Colored Laser Printer.
6. Water proof table with drawer (with lock & key) for complete instrument with two sitting chairs.
7. User Technical/Maintenance Manual to be supplied in ENGLISH
8. Comprehensive two week training for lab staff at our site with our samples. Installation should not be treated complete unless and until training on our instrument at our site is completed.
9. Training for trouble shooting at your recognized research laboratory free of cost for four scientists.
10. Needles for auto sampler (10 piece), Headspace (10 piece) and auto sampler vials with caps and septa (2000 piece) and headspace vials with caps and septa (2000 piece) with all necessary utilities.

PART B (TO BE QUOTED SEPERATELY, PRICE WILL NOT BE CONSIDERED IN COMPARISON OF INSTRUMENT VALUE.)

Infrastructure for GCMS Room Size: 20×25 ft (one instrument cabin, one sample preparation/sitting cabin and one hazardous chemical disposal cabin.) (Mention price separately with detailed specification of work, make/model, of fixtures required for infrastructure as on site)

Dust proofing, tilling, air conditioning, false ceiling with required electrical installations, sink and lab work station, seating arrangements along with hazardous chemical disposal room.

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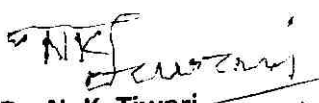
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3- Infrastructure part

- 1- Lab preparation – Size 15 x 15 feet with floor tile fixing, false ceiling, painting & wiring etc.
- 2- Split Air Conditioner (AC) – Two of 1.5 T capacity each.
- 3- Lab Work Station – Two of size 5 x 4 feet with chairs
- 4- Consumables & Chemicals etc.


Sanjay Khare
SSA,


Dr. N. K. Tiwari
Scientific Officer,
FSL, Agra


Dr. Ram Janam
Joint Director,
FSL, Varanasi

corrected. Supplementary lens 0.33x for 0.4x macro objective. Motorized condenser lens.

Different Specimen Holders

Universal adjustable holder with rotating disc and accessories.

Set of calibration standards with grid structure.

Storage case for sample holders.

Articulated Arms with catch Device.

Pair of object stages diameter-60 mm with grooved profile and clamping device.

Pair of holder for lock cylinder.

Pair of wire holders for mounting cylindrical objects up to 7 mm diameter.

Pair of Rotatable Universal Shell holder.

Pair of Universal holders with rotating disc to mount various push in mounts, inclinable in segmental guides, scale divisions for reproducible rotation and inclination settings, dove tail guide for lateral displacement of segmental guides.

Pair of attachment for mounting and fixing bullets of various sizes.

Pair of Centering Device mounts for Bullets holder.

Pair of Cementing Stages dia. 20 mm for mounting bullets and objects of various sizes.

Pair of spring mounts for hunting cartridge cases.

Pair of attachable tilting stage diameter 25 mm with grooved profile and tilting fixture.

Pair of articulated holders with ball joints and tiring screws for tilting and rotating cartridge cases.

Pair of Push-in fixtures for deformed bullets.

Pair of mounts for air-gun ammunition.

Set of Brushes, Accessories plate.

Digital Imaging Workstation & Software

Latest branded computer with color laser printer and UPS

C-mount adapter

Compatible High Resolution Digital FireWire Camera System

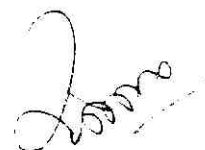
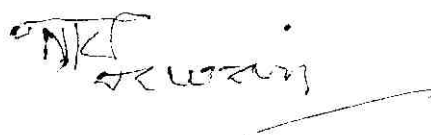
For dedicated microscopy use

Suitable Image Processing & Analysis Software

For Automatic measurement of multiple parameters

Warranty -Five (5) year on-site comprehensive warranty.

Quoted price must be in Indian Rupees.



COMPARISON MICROSCOPE

Specifications :-

A- Instrument part

Comparison Microscope should have basic stand with motorized height-adjustable column (Z range 250 mm or higher) including motorized comparison bridge with push button operation, integrated tiltable binocular head adjusting from 5- 35 degree. Field of view 22 mm, Upright & Non-reversed image, micro photo & video documentation port.

Motorized Comparison Bridge having following facilities

- Viewing of image 100% Right & 100% Left, both.
- Side-by-side image comparison with superimposed image.
- Adjustable and variable width of the dividing line.
- Motorized magnification changer with factor = 1x and 1.5x

Two macro carrier with macro tube lens, filter slots and coded 6-fold objective turret, two motorized X-Y stages (stage surface 150 x 120 mm or more with travel range 50 x 50 mm or more), integrated operating panel for the control of the bridge functions, focusing, motorized X-Y movement of the stages, remote control of two cold light sources.

Motorized ergo-workbench with universal power supply and motorized height-adjustable work table with integrated toggle switch or optional foot pedal operation, suitable size table with height adjustment Z movement.

Illumination

Cold light illuminator with LCD display. Cold light source for halogen reflector lamp, electronic stabilization of lamp power, continuous intensity adjustment with remote control cable via front panel. Fiber-optics light guide, bifurcated, flexible & Cold Light Bar.

OR

Flexible LED spot light with bifurcated fiber optic light guide & spot lens

Different Stages

Rotating stage (110 mm dia. Or more) with stage rotation clamp, mountable on motorized stages.

Attachable tilting stage (75 mm dia. Or more) and object clamp.

Optical Outfit

Apochromatic & HC (harmonic corrected) Macro-objectives: 0.4x, 1x, 2x, 4x with iris diaphragms and micro objectives, Eyepiece 10X/22 FOV. Magnification: 4x to 60x or more in the observation plane. All optics should be HC (Harmonic Component System) graded and

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