

**No. 1/Tech/2009(5)**

The Assistant Director, MHA, Government of India, Room No. 4043, Wing-4, 35, S.P. Marg, New Delhi-110021 invites sealed tenders for the items as mentioned in the tender documents given below. Tender documents may be down loaded from this site. However, a draft of Rs.500/- in favour of A.O./M, IB(MHA), New Delhi must be submitted along with the quotation as cost of tender documents, in absence of which the quotation will not be considered.

Assistant Director

**TENDER DOCUMENT**

Form-241  
INVITATION TO TENDER

No. 1/Tech/2009(5)  
Intelligence Bureau  
Ministry of Home Affairs  
Government of India  
35, S.P. Marg  
New Delhi – 110021

Tender Enquiry No 1/Tech/2009(5)- \_\_\_\_\_ Date \_\_\_\_\_

**For Gas Chromatography-Mass Spectroscopy**

To

\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

You are invited to offer tender for supply of stores as per details given in the schedule to this enquiry.

2. The conditions of the contract which will govern any contract made are contained in Pamphlet No DGS&D-36 entitled "Conditions of contract governing contracts, placed by the Central Purchase Organization of the Government of India as amended up to 31-12-1991 and those contained in the Pamphlet No DGS&D-229 containing various instructions to tenderer quoting against the tender enquiry issued by the DGS&D.

3. The above mentioned pamphlets and the list of amendments thereto can be obtained on payment from the under mentioned officers:

- a. The Manager of Publications, Civil Lines, Delhi
- b. The Superintendent, Government Printing and Stationary, UP, Allahabad
- c. The superintendent, Government Printing and Stationary, Mumbai
- d. The Superintendent, Government Press, Chennai
- e. The Superintendent, Government Printing and Stationary, Nagpur
- f. The Superintendent, Government Printing, Gulzarbag, Patna, Bihar
- g. DGS&D New Delhi and its regional Offices at Mumbai, Chennai and Kolkata.
- h. Government of India Book Depot, 8 Hastings Street, Kolkata.

4. The following certificate should be given in the request

"It is certified that our concern / establishment require the copy of the specification and other details in connection with the TE No 1/Tech/2009(5). It is further certified that the information contained in the document will be utilized by our concern / establishment for own use only for the purpose of producing supplying/ inspection of stores. The information contained therein will not be divulged / supplied to any outside agencies not authorized to the same without prior approval of the issuing authority."

5. If you are in a position to quote for supply in accordance with the requirements stated in the attached schedule to tender, all documents attached herewith should be duly filled in, signed and returned to this office.

6. Your tender should be submitted in triplicate. This tender is not transferable.

No 1/Tech2009(5)  
Intelligence Bureau  
Ministry of Home Affairs  
Government of India  
35, S.P. Marg  
New Delhi – 110021

**PRICE PER TENDER SET : Rs.500/- (Rs Five hundred only)**  
**EARNEST MONEY REQUIRED : Rs.1,30, 000/- (Rs one lakh thirty thousand only)**  
(Tenderer's are advised to go through the Earnest money clause attached with this T.E. Carefully before filling the tenders)

**No Public Sector Unit / Joint Sector unit will be exempted from paying the Earnest Money.**

Time and date of receipt of tender by

Joint Director/Tech

35, S.P. Marg, New Delhi-110021 : 1200 hrs on 14.4.2011

Closing date for sale of tender : Not applicable

Time and date of opening of technical Bids : 1200 hrs on 14.4.2011

The tender shall remain open for acceptance for 6 months from the date of opening of technical bids.

ITEM. No	DESCRIPTION OF STORE	QUANTITY REQUIRED
1	<b>Supply, Installation, Testing &amp; commissioning of Gas Chromatography -Mass Spectroscopy</b> (Specification at annexure III)	1 Nos.

All tender documents duly completed and signed on each page are to be returned with your offer.

2. The tender must be submitted in triplicate along with manufacturer's technical specification sheet, technical literature, leaflets, and brochures etc.

3. Incomplete offers, offers not confirming fully to T/E requirements or with vague replies or without Earnest Money, will not be considered.

4. Firms must clearly indicate in their offer different taxes and duties which they propose to charge extra mentioning clearly the present rates thereof. Vague offers like DUTIES AS APPLICABLE shall not be considered.

5. Offers received without these details and without Earnest Money will be ignored.

6 **The Purchaser** Joint Director, IB, MHA, New Delhi

7 **Inspection Authority** Joint Director/Technical, IB, MHA, New Delhi

8 **Inspecting Officers** Representative of the Joint Director/Technical, IB, MHA, New Delhi

9. **Stores required at** The office of the Assistant Director/Tech-E, IB, MHA, 35, S.P. Marg, New Delhi-21.

10. **Delivery required by** Six weeks from the date of issue of Acceptance of Tender (AT)

11 **Security Deposit** An amount equivalent to 5% of the value of Supply Order / AT to be deposited by the successful bidder. Security deposit may be paid in the form of bank guaranty or demand draft in the favour of **A.O./M, IB(MHA), New Delhi** to remain valid until the completion of supplies and deposit of performance guaranty by the successful bidder.

12 **Performance Guaranty** An amount equivalent to 10% of the value of Supply Order / AT to be deposited as performance bank guaranty at the time of supplies in the form of bank guaranty or demand draft in the favour **A.O./M, IB(MHA), New Delhi** to remain valid until two months after expiry of warranty period.

**CONDITIONS REGARDING DEPOSIT OF EARNEST MONEY**

1. All firms are required to deposit EARNEST MONEY of **Rs. 1,30,000/- (Rs one lakh thirty thousand only)**

NO PUBLIC SECTOR UNIT OR JOINT SECTOR UNIT IS EXEMPTED FROM PAYING EARNEST MONEY

2. The Earnest Money can be deposited in any one of the following alternative forms

a. A crossed bank draft drawn in favor of **A.O./M, IB(MHA), New Delhi**. The draft should be payable at New Delhi.

b. An irrevocable bank guarantee of any Nationalized Schedule Bank or reputed commercial bank of the tender country in the PROFORMA attached.

3. The Earnest Money shall be valid and remain deposited with the Purchaser for the period of Six months from the date of tender opening. If the validity of the tender is extended, the validity of the BG or any other document submitted in lieu of EMD will also be suitably extended by the tenderer, failing which the tender after the expiry of the aforesaid period shall not be considered by the Purchaser.

4. No interest shall be payable by the Purchaser on the EM deposited by the tenderer.

5. The EM deposited is liable to be forfeited if the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of his tender.

6. The Earnest Money of the successful tenderer shall be returned after the award of contract.

7. Earnest Money of all unsuccessful tenderer shall be returned by the Purchaser as early as possible after the expiry of the bids validity and placement of contract. Tenderer are advised to send a pre-receipted challan along with their bids so that refund of EM is made in time.

8. Any tender not accompanied with Earnest Money in one of the approved forms acceptable to the Purchaser, shall be rejected.

**Enclose with Technical Bid**

**PROFORMA for Earnest money  
PROFORMA of Bank Guarantee for Earnest Money  
(On non-judicial Stamp paper of requisite amount)  
Bank Guarantee No.....**

To,

**The Accounts Officer/M  
IB (MHA)  
35, S.P. Marg,  
New Delhi-110021**

Dear Sir,

In-accordance with your Invitation to tender No. 1/Tech/2009(5)  
M/S .....hereafter called the tenderer with the following Directors on their Board of  
Directors Partners of the firms

- 1.
- 2.
- 3.
- 4.

wish to participate in the said Tender for the supply of stores for Ministry of Home Affairs (SIB).

As a Bank Guarantee against Earnest Money the sum of **Rs.1,30,000/- (Rs. one lakh thrty thousand only)** valid for Six months from the date of opening of the Tender is required to be submitted by the tender as a condition for the participation, this bank hereby guarantees and undertakes during the above said period of Six months to immediately pay on demand by DDO, SIB, Ministry of Home Affairs writing the amount of **Rs.1,30,000/- (Rs. one lakh thrty thousand only)** without any reservation and recourse if:

- i. The Tenderer after submitting his Tender modifies the rates or any of the terms and conditions thereof, except with the previous written consent of the Purchaser.
- ii. The tenderer withdraws the said Tender within Six months after opening of tender or
- iii. The Tenderer having not withdrawn the tender fails to furnish the contract security deposit imposed for the performance of the contract within the period provided in the general conditions of contract.

The Guarantee shall be irrevocable and shall remain valid up to **six months**. If further extension to this guarantee is required the same shall be extended to such required period on receiving instructions from M/S .....of whose behalf this guarantee is issued.

Date.....

Signature.....

Place.....

Printed Name.....

Witness .....

Designation .....

1.....

(Banks Commercial Seal)

**DGS&D Amendments**

**ANNEXURE-I**

- 1 The following amendments may be carried out in the pamphlet entitled conditions of contract governing the contracts place by Central Purchase Organisation of Government of India 1991 addition bearing Symbol DGS&D-39 Form No DGS&D-68 (Revised)
- 1.1 The definition Government provided in clause 1 (f) page 2 of DGS&D conditions of contract may be amended as under:
- 1.2 The definition of Secretary clause 1(k)-page 3 of DGS&D Conditions of Contract may be modified as under:  
"Secretary" means Secretary ministry of Home Affairs for the time being in the administrative charge of subject mater of contract and included Additional Secretary, special secretary, Joint Secretary or Director or Dy. Secy in such Ministry, and every other officer authorized for the time being to execute contracts relating to purchase and supply of stores on behalf of the President of India.
- 1.3 Under clause(c)-page 5 of DGS&D Conditions of Contract the word Director General of Supplies & Disposal or Head of concerned regional offices may be replaced by Purchaser.
- 1.4 Clause 24 i.e. Arbitration:  
For the existing entries.

**READ ARBITRATION**

In the event of any question, dispute or difference arising under these conditions or any special conditions of contract, or in connection with this contract (except as to any matters, the decision of which is specifically provided for by these or the special conditions), the same shall be referred to the Sole Arbitration of an officer to be nominated by Ministry of Law and appointed by the Secretary, Ministry of Home Affairs. It will be no objection that the Arbitrator is a Government Servant that he has to deal with the matters to which the contract relates or that in the course of his duties as a government servant he has expressed views on all or any of the matters in dispute or difference. The award of the Arbitrator shall be final and binding on the parties to this contract, it is term of this contract that:

- a. In the event of his dying, neglecting or refusing to act, or resigning or being unable to act, for any reason or his award being set aside by the Government for any reason, it shall be lawful for the secretary, ministry of home Affairs either to proceed with the reference himself or to appoint another person as Arbitrator. In every such case, it shall be lawful for the Secretary, Ministry of Home Affairs in place of the outgoing Arbitrator, as the case may be to act on the record of the proceedings as then taken in the arbitration, or to commence as then taken in the arbitration, or to commence the proceedings de novae, as he may at his discretion decide.
- b. It is further a term of this contract that no person other than the Secretary, Ministry of Home Affairs or the person appointed by him should act as Arbitrator and that if for any reasons that is not possible, the matter is not to be referred to arbitration at all.
- c. The arbitrator may with the consent of all the parties to the contract enlarge the time from time to time for making and publishing the award.
- d. Upon every and any such reference, the assessment of the cost incidental to the reference and award respectively shall be in the discretion of the Arbitrator.

- e. Subject as aforesaid, the Arbitration Act 1996 and rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply the arbitration proceedings under this clause.
  - f. The venue of arbitration shall be the place where the contract is concluded or such other place as the Secretary at his discretion may determine.
  - g. In this clause the expression the Secretary, Ministry of Home Affairs, for the time being and includes, if there be no Secretary, the officer who is for the time being the administrative head of the Ministry of Home Affairs whether in addition to the other functions or otherwise.
- 1.5 Similarly the reference to DGS&D wherever appearing may be suitably modified.
2. Following amendments may be carried out in the Pamphlet No DGS&D-229 containing various instructions to tenderer.  
Form No DGS&D-230  
Reference to DGS&D wherever appearing in clauses No 14, 33, 34, 35, 39 and 40 and Appendix a for form No DGS&D 096 may amended to read as Purchaser.

**Special Conditions**

The offer must fulfil and comply following special conditions:

Special Conditions will supersede the conditions mentioned else where in the document. Wherever applicable these conditions will over ride the conditions mentioned else where in the document.

1. **Confidentiality:** The purchase of sub-systems in this tender is related to a classified project of the Government of India. All bidders are requested to maintain confidentiality and not to disclose/ part or share any information/ program of tender processing with any person or party not authorized by tenderer or directly related with the project.

End user name and address should not be disclosed to any of the sub-contractors, suppliers to bidder for bought out items. Where ever necessary End user's name may be given as Technical Laboratories, Ministry of Home Affairs, New Delhi.

Relevant portion of Technical specifications of various items may be given to your principal supplier for bought out items, without disclosing complete configuration and other information. **Any information related to the project, including your participation in tender may not be published or advertised for any purpose.**

Any failure or lapse in maintaining confidentiality on the part of bidder will be dealt as the breach of confidentiality.

2 **Submission of bid-**

The offer must be prepared in two parts viz. **“Technical Bid”** and **“Price Bid”**.

a. **Technical bid-** must include,

- i. Eligibility documents,
- ii. Earnest Money,
- iii. Technical compliance as per schedule enclosed with tender document,
- iv. Make and model number of sub-units / systems,
- v. Specifications and literature / leaflets of the equipment offered,
- vi. Commercial terms and conditions **excluding price and its break-up.**
- vii. A brief description of each and every item offered, giving detailed configuration and description.

Technical bid must be sealed in a cover clearly marked as **“Technical Bid”, tender number and date / time of opening the bid.**

b. **Price bid** - must include total cost of the offer, cost break-up of each equipment, taxes and duties with prevailing rates, which are proposed to be charged strictly on the prescribed proforma given in the Tender Document. Price Bid must be sealed in separate cover with clear marking “Price Bid” and Tender Number.

c. Both Technical Bid and Price Bid envelopes may be placed in another sealed cover. Tender enquiry number, date, time of opening and contents therein should be marked on the top of the cover. The cover should be addressed to the Joint Director/Tech, 35,S.P. Marg, New Delhi-21.

d. **Only Technical Bids will be opened on the date and time mentioned for tender opening.** The firms who qualify technically will be asked for demonstration of any identified critical sub-systems. The purchaser will decide technical suitability after demonstration of identified critical sub-systems at New Delhi. Demonstration of equipment will have to be given with in a week from the date of request for demonstration. Price bids of technically and commercially acceptable offers will only be opened. Date and time of Price bid opening would be intimated to eligible Bidders, later.

3. **All systems and equipment offered must be ISI marked or manufactured as per International Standards (ISO) and fulfil other requirements of local authorities like emission (EMI / RFI) and environment etc.**

4. **The supplier should guarantee that all items would continue to conform to the description and quality as per the TE requirement for a period of 24 months from the date of technical acceptance of the items. This guarantee must be all-inclusive, including repair, replacement of faulty parts, components free of cost.** In the event of failure of a sub-unit(s), the faulty sub-unit(s) must be repaired within two days (excluding travelling time by quickest mode of transport) of reporting the fault by purchaser to the supplier, failing which a penalty @ 0.5% of the cost of faulty equipment per day, subject to a ceiling of 5%, to be deducted from Performance Guarantee.

5. **After Sale Services:** - Contractor must have adequate infrastructure and stock of spare parts (other than the spares purchased by the indenter) to offer repair and site maintenance support for full lifetime of equipment. Contractor should include in their offer comprehensive site maintenance support on **Annual Maintenance Contract** basis, after expiry of warranty.

6. The supplier should also guarantee that they would provide service support after the expiry of 24 months guarantee period, under annual maintenance contract (AMC). AMC rates for 3 years after expiry of warranty period of the equipment must be quoted. However, AMC offer will not be considered for awarding of contract but would be considered separately afterwards. Terms of AMC should be same as during the warranty.

7. **Payment terms:**

- I. 90% on successful supply, acceptance at site by the purchaser, successful installation, testing, and commissioning of complete systems.
- II. 10% on successful functioning of equipment for eight weeks and furnishing of required performance guaranty of equal amount by the supplier, to remain valid up to two months after the expiry of warranty.

8. **Training-** Tenderer should impart training in operation, maintenance and fault rectification for the purchaser's staff and officers at manufacturer's site and equipment installation site.

9. **Late Delivery –** Supplies and testing of stores should be completed within the mutually agreed time schedule. In the even of delay in supply for any reason, the purchaser would be entitled to charge LD penalty @ 0.5% of the cost of total Purchase Order per week or part thereof, subject to a maximum of 5%. In the event of delay of more than 10 weeks, purchaser will have the right of revoking the purchase order and forfeiting the Security Deposit.

10. The Purchaser reserves the right of accepting or rejecting any or all the tenders.

11. Successful bidder will have to deposit security money equal to 5% of the total value of supply order before issue of AT/Supply order by the purchaser. The performance security money may be deposited in the form of Fixed Deposit Receipts, Bank Guaranty or Demand Draft. The performance security deposit should remain valid up to two months after expiry of warranty period. Thereafter it would be returned.

12. **Eligibility –**

- i. Tenderer must be an authorized dealer /representative of OEM for more than a year or should submit an authorization from OEM, who has their representation in India for more than one year, to participate in bid. The bidder should produce an undertaking from OEM in the name of purchaser that the OEM should provide support and spares directly for the offered system for lifetime of the equipment. Further the OEM should confirm in writing that the offered system is latest being manufactured and marketed by them. Documentary proof in this regard may please be enclosed with technical bids.
- ii. Tenderer must have executed at least one contract / supply of similar quality and quantum of same make within past two years. Documentary proof in this regard may be enclosed.
- iii. Tenderer must enclose an undertaking stating that he or his firm has not been debarred from bidding by any government organization.
- iv. Tenderer should have sound financial status. Copies of supporting documents like Income Tax Returns, Audited Annual Report or supplies / contracts executed in previous three years may be enclosed.

13. The bidder should respond to each section, point or requirement within the tender enquiry.

14. **System Acceptance at site-** Supply, installation, testing, configuration and successful commissioning will be validated by the purchaser before final acceptance at site.

Proforma for submission of Price Bid

S N o	Descri ption of unit / item / sub- system	Qt y	CIF rate per unit	Custom Duty				Sub- total-1	Excise Duty		Sub total -2	Sales Tax / Service tax+ cess		Su b tot al- 3	Freight, Insuran ce and other inciden tal charges		Unit charge including taxes
				CD rate	Amount	CVD rate	Amount		Rate	Amount		Rate	Amount		Rate	Amount	

\*Amount to be given in Indian Rupees

**SPECIFICATIONS AND ALLIED TECHNICAL DETAILS FOR GC-MS**

(Enclose with Technical Bid)

<b><u>TECHNICAL SPECIFICATIONS</u></b>			
<b>S.No.</b>	<b>Specifications</b>	<b>Complied Yes/ No</b>	<b>Deviation if any</b>
<b>1.</b>	<b>General Requirements</b>		
1.1.	It is intended to purchase GC-MS System for forensic analysis of chemicals.		
1.2.	Possible application of the proposed GC-MS System is the forensic analysis specially Narcotics, Drugs, Pesticides, Explosives samples.		
1.3.	Bids must be complete with all equipment and required accessories along with necessary power systems including standard Un-interrupted Power Supply (UPS) for the entire equipment, hardware/software, etc. as required for complete installation and operation.		
1.4.	The technical bid must be submitted along with following documents: - <ul style="list-style-type: none"><li>• Technical compliance to the specifications</li><li>• Authorization letter for participating in the tender on manufacturer's behalf.</li><li>• Certificate that the items quoted by the bidder are in production and their maintenance would be supported for the <b>next 10 years as required for warranty and post warranty services.</b></li></ul>		
1.5.	Bidder must have sale setup in India and service support base in or around Delhi to achieve the four-hour response time as required under warranty and post warranty services.		
1.6.	The Bidder shall be required to demonstrate at site in NCT/NCR the quoted GC-MS system for assessment by the technical committee for its features <b>and capabilities.</b>		
1.7.	Manufacturer products shall have quality system compliance with the B.I.S./ISO 9001, CE/UL certified.		
1.8.	Manufacturer must provide reference list of installation for similar products at least three places and certificate of performance.		
1.9.	All software and firmware upgrades shall be provided free of charge during the warranty and comprehensive annual maintenance period for smooth and trouble free operation of the System.		

2.	Main feature & functional components of GC-MS equipment:		
2.1.1.	<p><b><u>GAS CHROMATOGRAPHY (GC):</u></b> -</p> <ul style="list-style-type: none"> <li>• Computer controlled</li> <li>• Auto sampler and Head space facility. <ul style="list-style-type: none"> <li>• Max. Oven temp. up to 450 °C with fastest heat up &amp; cool down (with 5 min.).</li> </ul> </li> <li>• Interface temp. Should be up to 350 °C or above.</li> <li>• Programmable Pneumatic Control for injectors with single point controlled via software.</li> </ul>		
2.1.2.	<p><b><u>Injector</u></b></p> <ul style="list-style-type: none"> <li>• Programmable split/ split less injector</li> <li>• With two (02) nos. of Injector ports (for Auto sampler &amp; Head space).</li> <li>• Injector temperature range from 50-500° C or better in 1° C increments.</li> <li>• Injector should have facility to inject up to 50 µL with Auto sampler and 150 µL manually.</li> </ul>		
2.1.3.	<p><b><u>Auto Sampler</u></b></p> <ul style="list-style-type: none"> <li>• Capable of injecting from 0.1 µL to 50 µL with variable speed and varying syringe sizes.</li> <li>• It should have capacity for 70-100 samples vials.</li> <li>• It should be capable of injection in both injection ports.</li> <li>• It should have a reproducibility of &lt; 0.5% RSD (Relative Standard Deviation).</li> </ul>		
2.1.4.	<p><b><u>Head Space</u></b></p> <ul style="list-style-type: none"> <li>• It should have facility to load at least 15 vials.</li> <li>• It should directly control through Chromatography software and not manual type.</li> <li>• It should have facility of variable volume injection without change of loop or syringes Multiple injections from same vials should be possible.</li> </ul>		
2.1.5.	<p><b><u>Gas Cylinder</u></b></p> <p>All required gas cylinders with regulator (of reputed make) along with gas purifying systems.</p>		
2.1.6.	<p><b><u>Column</u></b></p> <p>Suitable column for the analysis of general chemicals specially explosives, narcotics, poisons, pesticides etc.</p>		
2.1.7.	<p><b><u>FID (Flame Ionization Detector)</u></b></p> <ul style="list-style-type: none"> <li>• FID must have temperature range up to 450°C in 1°C increment.</li> <li>• Minimum detectable quantity in FID Detector is 3x10<sup>-12</sup>g C/ or better</li> <li>• Linearity of Detector 10% or better</li> </ul>		

2.2	<p><b>MASS SPECTROMETER (MS): -</b></p> <ul style="list-style-type: none"> <li>• Single Quadrupole type with pre-filter</li> <li>• Mass range up to 1050 amu or above</li> <li>• Mass stability range <math>\pm 0.1</math> m/z mass accuracy over 48 hrs. or better</li> <li>• Scan rate minimum up to 6500 amu/sec</li> <li>• Acquisition rate up to 60 scan/ sec (full scan) or above &amp; up to 100 scan/sec SIM (Selected Ion Monitoring)</li> <li>• Linear Dynamic range: <math>10^6</math> or above</li> <li>• Vacuum pump: 250 L/sec air-cooled turbo molecular pump with low and high vacuum gauges</li> <li>• Direct Capillary interface: 50°C-350°C or above.</li> <li>• System must be capable of effluent, back flushing and column switching/changing without breaking of vacuum.</li> </ul>		
2.2.1.	<p><b>Ion Source</b></p> <ul style="list-style-type: none"> <li>• Ion source temp:- 100°C - 280 °C or better</li> <li>• Ionization mode- EI &amp; CI</li> <li>• Emission current- not more than 900<math>\mu</math> A</li> <li>• EI Voltage- variable as per machine requirement</li> </ul>		
2.3	<b>DATA SYSTEM: -</b>		
2.3.1.	<p><b>Hardware -</b></p> <ul style="list-style-type: none"> <li>-HP/ DELL PC with following specification or latest version</li> <li>-Intel-core2-Duo processor</li> <li>-DDR-2 Min. 3GB</li> <li>-SATA HDD 500GB</li> <li>-18.5 inch LCD monitor or better</li> <li>-laser Colour Printer</li> </ul>		
2.3.2.	<p><b>Software</b></p> <ul style="list-style-type: none"> <li>-Complete software package for handling GC-MS</li> <li>-NIST/Willey library having data of all chemicals including explosives, narcotics, poisons, pesticides.</li> <li>- Software should upgradeable and any up gradation in future by the firm, should be supplied free of cost.</li> </ul>		
3.	<b>UPS:</b> 10KVA online UPS with 30 Min battery back up.		
4.	<b>POWER SOURCE: - 220 volt AC <math>\pm 10\%</math></b>		
5.	<b>OPERATING TEMP.:</b> - 10 °C ~30 °C		
6.	<b>RELATIVE HUMIDITY:</b> - 15% ~90%		
7.	<b>TERMS &amp; CONDITION:</b>		
7.1	<b>ACCESSORIES:-</b> All essential & optional accessories/consumables to install the system in running the equipment should be provided by the vendor. Vendor should clearly mention all the parts/ accessories against the cost quoted.		

7.2	<b>DEMONSTRATION:</b> -The firms will arrange for Technical demo of their machine in Delhi.		
7.3	<b>INSTALLATION TESTING AND COMMISSIONING:</b> - The complete installation, testing and commissioning of machine will be done by the vendor. Any damage of equipment part/component during installation, it will be the sole responsibility of vendor to replace by original/new part/component of the equipment at the site.		
7.4	<p><b>TRAINING: -</b></p> <ul style="list-style-type: none"> <li>• The scope of work envisages that the Bidder shall undertake to train the staff nominated by User in different aspects of equipment design, functioning, field installation, testing, commissioning, system management, operation &amp; administration, maintenance and repair.</li> <li>• The supplier shall at every stage of installation; testing and commissioning provide all facilities for adequate training to the user.</li> <li>• The training on GC-MS system design, functioning, field installation, testing, commissioning, system management, operation &amp; administration, maintenance and repair should be done at the user's location, will be structured so as to train 10(ten) personnel deputed for the purpose.</li> <li>• Bidder will provide complete details on the training programs to be offered including: <ul style="list-style-type: none"> <li>(a) Material to be covered</li> <li>(b) Number of hours of training per operator or technician for each specific course.</li> <li>(c) Supporting documentation to be provided</li> </ul> </li> </ul>		

8.	<p style="text-align: center;"><b>GUARANTEE/ WARRANTY</b></p> <ul style="list-style-type: none"> <li>• The Supplier shall provide comprehensive on-site <b>Guarantee/ Warranty</b> for all essential &amp; optional accessories/consumables supplied under the Contract at least for a period of <b>2 (two) years from the date of final acceptance of the System.</b></li> <li>• The Supplier must have a maintenance base in Delhi <u>or in NCR of Delhi</u> to provide maintenance service, of the System being offered, efficiently and promptly.</li> <li>• If the performance of any individual equipment or System fails to meet the contract specifications then the same shall be replaced by the Supplier free of cost during the term of the warranty/guarantee period. <ul style="list-style-type: none"> <li>• The Supplier shall provide necessary Software updating free of cost during the warranty/guarantee period.</li> <li>• The maintenance services, including spares shall be <b>free of cost</b> during the warranty/guarantee period.</li> <li>• During the term of warranty/guarantee the service/repair calls will have to be attended by the Supplier <b>within four hours</b> from the time of such calls. The defective items/equipment should be repaired the same day at Purchaser's location. In case of major defects, replacement of components/parts should be carried out within 48 hours.</li> <li>• Apart from the service/repair calls, the service engineer deputed by the Supplier will visit the site once every month to assess the serviceability of the System and thrice in a year to carryout the Preventive Maintenance and diagnostics of the system during the Warranty Period.</li> <li>• Delays in attending the calls and or repairing the defective items/equipment beyond time limit specified will attract penalties.</li> </ul> </li> </ul>		
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