

TENDER FORMAT
TENDER FOR PURCHASE OF FSL EQUIPMENTS

1. NAME OF THE FIRM : _____
2. CORRESPONDENCE ADDRESS WITH TELEPHONE AND FAX NO : _____
3. LOCAL ADDRESS WITH TELEPHONE AND FAX NO. : _____
4. WHETHER REGISTERED WITH NSIC /DGS&D IF YES ATTACH COPY : _____
5. SALES TAX / VAT REGISTRATION PROOF : _____
6. LATEST SALE TAX / VAT CLEARANCE CERTIFICATE. : _____
7. COPY OF AUTHORISED DISTRIBUTOR /DEALERSHIP/MANUFACTURER : _____
8. SPECIFICATIONS OF THE SYSTEM ALONGWITH LITERATURE/BROCHURE : _____
9. APPLICATION FEE : _____
10. EARNEST MONEY DETAIL : _____
11. COPY OF TERMS AND CONDITION DULY SIGNED : _____

SIGNATURE OF THE TENDERER
WITH STAMP.

**GOVERNMENT OF MIZORAM
POLICE HEADQUARTERS :: AIZAWL**

No.D.11014/CSS/FSL/14-DGP/_____ : Dated Aizawl the 29th May, 2014.

TENDER NOTICE

Sealed tenders are invited in two bid systems i.e. Technical Bid and Price/Commercial bid by the undersigned from the manufacturers, authorized distributors for purchase of following item(s) through registered post or these can be put personally in the sealed tender box kept in the Construction Branch of the office of the Director General of Police, Mizoram, Aizawl.

S/No	Name of items	Qty.	Application fee	Earnest money
	<u>FSL Equipments :</u>			
1.	Gas Chromatograph-Mass Spectrometer (GC-MS) with attached configuration	1 no.	Rs.500/- (Non-refundable)	Rs. 5000 for non tribal tenderer & Rs. 2000 for tribal tenderer
2.	Digital Hot Plate	2 nos.		

TERMS & CONDITIONS

The specifications of required items are enclosed with this notice. Tenderers are advised to quote their Rate after careful study of the tender specifications as well as the following terms and conditions:-

1. Separate envelope should be used for TECHNICAL BID as well as for PRICE BID. The word "**TECHNICAL BID I PRICE BID**" for purchase of FSL Equipments due to open on **04.07.2014 at 2:00 PM** shall be prominently marked on the top of the envelope separately. Both these bids shall further be put in one envelope and sealed properly before putting in the tender Box duly super scribed. Tenderer(s) shall indicate complete specifications and all features of the Security items.
2. The Technical Bids will be opened first on **04.07.2014 at 2:00 PM** and the PRICE BIDS will be opened only after scrutiny of technical bid and technical evaluation of the system.
3. The tenders should reach the office of Director General of Police latest by **1200 hrs on 04.07.2014**.
4. **Only manufacturers, authorized distributors/authorized dealers can participate in the tender, the firm should submit proof of their manufacturing, authorized dealership I distributor. This is subject to verification if necessary.**
5. **Only sales tax/VAT payee agencies are eligible to fill this tender.** Interested agencies shall quote their sale tax number/Tin Number of VAT in their quotation and also attach documentary proof of having registered for the sale of such store/items etc. with the technical bid.
6. Latest/current sales tax clearance certificate or latest VAT Return filed issued from the sales tax/VAT department in English on the enclosed prescribed proforma must be attached with technical bid.

Contd....2/-

7. The application fee is non refundable.
8. In case the firm fails to attach the draft of application fee, the tender shall be rejected.
9. Incomplete tender/conditional tenders will not be accepted.
10. All SSI units registered with NSIC/DGS&D for this item as per specification are exempted from the EMD. They have to enclose valid registration document /exemption certificate with their tender.
11. No tender will be accepted without requisite E.M.D. as mentioned in tender notice. The E.M.D. shall be in the shape of A/C Payee Demand Draft in favour of Director General of Police, Mizoram payable at Aizawl. The EMD can also be submitted either in the shape of FDR, Banker's Cheque or Bank Guarantee. No interest will be given on E.M.D.
12. Tenderer would not be permitted to alter or modify their bids after expiry of the deadline for receipt of Bids.
13. The quoted price must be inclusive of all taxes such as excise, sale tax/VAT and other charges etc.. No claim for taxes/charges will be entertained at a later stage, Nothing over and above the quoted price would be payable to the successful bidder. Tenderer must quote the net price both in words as well as in figures. Any over writing/cutting etc. render the tender invalid
14. The firm whose rates are accepted will have to deposit 2% of the total cost of the item as Performance Security in the shape of Bank Draft/Bank Guarantee FDR in favour of Director General of Police, Mizoram before the supply order is placed to the firm. In case, the firm does not complete the supply within the delivery period, **liquidated damage charges will be charged @ 2% of total cost per month of the item and action will be taken to blacklisting the firm and forfeiture of its Security money. No interest will be given on Security Money.**
15. In case the firm fails, to deposit the security money, the EMD of the firm will be forfeited.
16. The tenderer can remain present himself or his authorize representative at the time of opening of tender.
17. The purchase committee, in order to satisfy itself can order on the spot inquiry to verify the soundness capability of the item and any other information given by the tendering firms.
18. The rates will be valid till supply of the item is completed, in all respect.
19. The rates will be F.O.R. at Aizawl - 796001
20. In case the firm fails to supply the item within stipulated delivery period, the item will be procured from the open market and the difference of cost, if any, will be recovered from the Security Money and pending bills of the defaulting firm, by calling explanation after issuing notice.

Contd....3/-

21. The quantity of the items mentioned in the tender notice can be increased or decreased, at any stage till the delivery of consignment is completed.
22. Tender envelop(s) must be sealed and super scribed "TENDER FOR FSL EQUIPMENTS" which shall be addressed to Director General of Police, Mizoram.
23. Tenderer(s) shall indicate complete specifications and all features of the FSL equipments.
24. All the firms participating in the Tender must submit a list of their owners/partners etc. and a Certificate to the effect that the firm is neither blacklisted by any Govt. Department nor any Criminal Case is registered against the firm or its owner or partners anywhere in India.
25. The payment will be made on receipt/acceptance of store in good condition as per prescribed specification. No advance payment will be made.
26. No claim for interest in case of delayed payment will be entertained by the Department.
27. A copy of terms and conditions duly signed by the tenderer, as a token of acceptance of the same should be attached alongwith the tender.
28. **The Purchase Committee reserves the right to relax any terms and condition in the govt. interest, with the approval of competent authority.**
29. The purchase committee reserves the right to reject any tender or all tenders without assigning any reasons thereof.
30. All disputes are subject to the jurisdiction of the Courts in Aizawl.
31. Foreign Companies shall participate in the tender, only through their Distributors/Agent in India. No foreign company shall be entertained directly.
32. In case of violation of any clause of contract/agreement deed, the explanation of the firm can be called by issuing show cause notice, if the reply is not found satisfactory. Security money can be forfeited as well as action for blacklisting can also be taken prior to taking any legal action.
33. The tender will be rejected straight away without assigning any reasons if the firm involves in any criminal case, declared black listed by any Govt./Semi govt. department/agencies etc.
34. In case of any differences, the firm can be called for negotiation to patch up the differences on table prior to approaching court.

35. All the bidders whose technical bid is declared qualified by the Purchase Committee will demonstrate their product before the Technical Evaluation Committee at a short notice.
36. The tendering firm will also submit a certificate that the product offered by them is as per technical specifications of the tender.
37. The bidder should carry a warranty/guarantee of subjected store for a period of at least one year.
38. The Price bid should be in accordance with the format as at Annexure-A.

(P.C.LALCHHUANAWMA) AIGP-II
for Director General of Police
Mizoram, Aizawl

NO.D.11014/CSS/FSL/14-DGP/_____ : Dated Aizawl the May,2014.
Copy to:-

1. The Director, I&PR, Mizoram, Aizawl for publication in 2 local News paper for 2 days in short form enclosed herewith.
2. The Jt. Director, FSL, Mizoram, Aizawl for information.
3. Officer-in-Charge, Mizoram Police Website for uploading the Tender Notice.
4. Notice Board.

(P.C.LALCHHUANAWMA) AIGP-II
for Director General of Police
Mizoram, Aizawl

NOTE:-

(A) DOCUMENTS REQUIRED TO BE ATTACHED WITH TECHNICAL BID IN THE FOLLOWING ORDER:-

1. E.M.D. in favour of DCP / Director General of Police, Mizoram, Aizawl – 796001 amounting Rs. _____/-..
2. Sale Tax / VAT Registration Certificate.
3. Latest Sales Tax Clearance Certificate/Tin No. of VAT
4. Copy of authorised distributorship.
5. Certificate regarding registration with DGS&D, NSIC if claim EMD exemption.
6. **Copy of terms and conditions duly signed with seal of the firm, in token of acceptance of terms and conditions**
7. **The Demand draft of application fee be attached with tender form.**
8. All Other supporting documents as required in the tender shall be attached.

(B) DOCUMENTS REQUIRED TO BE ATTACHED WITH COMMERCIAL/PRICE BID IN THE FOLLOWING ORDER:-

PRICE BID shall contain price only and no other documents shall be enclosed with the price bid.

1. Details of Rates, inclusive of all taxes including freight installation, commissioning & testing of each items quoted by the tenderer shall be submitted on their letter Pad in clear terms, in words and in figures. The cutting & over-writing not valid. The option in the rates will not be entertained.

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SIGN. OF TENDERER : _____

NAME IN BLOCK LETTERS : _____

FULL ADDRESS : _____

ANNEXURE- A

PROFORMA FOR PRICE SCHEDULE

(Enclose with commercial bid)

TENDER FOR THE PURCHASE OF FSL EQUIPMENTS FOR MIZORAM POLICE

Date of opening.....

Time Hrs.

We _____ hereby certify that we are established manufacturers/authorized representatives of M/s _____-with factories at _____ which are fitted with modern equipment and where production methods, quality control and testing of all materials manufactured or used by us are open to inspection by the representative of the purchaser. We hereby offer to supply the following items at the prices indicated below:

S. No	Description of work/ term	Qty .	Unit Price In Indian Rupees	Extended Price In Indian Rupees	Sales Tax/VAT In Indian Rupees	Other Govt Lewies, if any (To be specified)	Incidental charges, if any (To be specified)	Total Price FOR Destination In Indian Rupees
a	b	c	d	e	f	g	h	i
1.								

It is hereby certified that we have understood all the terms and conditions specified in the tender document and are thoroughly aware of the nature of job required to be done and goods/items to be supplied. We agree to abide by all the tender terms and conditions.

We hereby offer to carry out the job and (or) supply the goods/items detailed above or such portion(s) thereof as you specify in the notification of award.

(Signature and seal of Bidder)

Dated: _____

TECHNICAL SPECIFICATIONS

Gas Chromatograph-Mass Spectrometer (GC-MS)

1. Column Oven:- Gas Chromatograph :

- ✚ Should have an operating range of few degrees above ambient to 450°C. Maximum Heating Rate : 125°C/min or better, Maximum number of Ramps to facilitate better analysis of Natural Products. Typical Retention Time Repeatability: <0.0008 min or better.

2. Injector Injector :

- ✚ To support hot / cold split and splitless modes as well as large volume injections (solvent split) and On Column. **Dedicated PTV injector with integrated back flush capabilities.** Temperature Range: Air forces cooling to ambient +5°C up to 450°C. Temperature programming the injector: 3 ramps and 4 plateaus. Heating rate up to 870°C/min

3. Pressure / Flow Controller Integrated Electronic Control / Electronic Pressure Control:

- ✚ **Gas specification:** Up to 18 channels of integrated electronic gas control. Split Ratio: Up to 12500: 1 or better.

4. Mass Spectrometer:- Ion Source :

- ✚ Must be able to remove all source parts that require periodic cleaning, including the repeller, ion lenses. RF lenses all modes, without venting mass spectrometer.
- ✚ The source should be made of solid, non-coated, inert materials.
- ✚ The Source block heater control should have with user-selectable temperature set point up to 350°C.
- ✚ The source should have additional lens heater independent of source heater to heat the lenses and ion guide.
- ✚ It should have ability to interchange dedicated EI, PCI and NCI sources without venting mass spectrometer.
- ✚ It should have electron beam collimating magnets for greater ionization efficiency.
- ✚ It should have accurate regulation of emission current up to 250 µA with improved regulation at low current range.
- ✚ It should have Integrated, dual filament assembly with improved filament lifetime and effective regulation of emission current across the available emission current range.
- ✚ Both the filaments should be used in either EI or CI mode.
- ✚ The User definable electron energy should be adjustable from 0-150 eV.
- ✚ It should have constant calibration gas pressure for optimum system tuning.
- ✚ The OC transferline temperature should be programmable up to 350°C
- ✚ The system should have curved ion guide to reduce excited neutral background to single counts per scan without requiring signal thresholding, background subtraction or smoothing.

Quadrupole Mass Analyser:-

- ✚ Mass Range: 1.2 - 1100 u or more.
- ✚ Resolution: Unit mass resolution maintained over the entire mass range.
- ✚ EI sensitivity changed to 1500:1
- ✚ 73 scans/s in full scan.
- ✚ Scan speed changed to 20000 u/s
- ✚ The Main quadrupole rods should be non-coated, homogeneous, molybdenum and cleanable.

Detection System:-

- ✚ It should utilize new generation discrete dynode electron multiplier integrated with linear-log electrometer with maximum linear output.

Vacuum System:-

- ✚ It should have high-capacity (300 L/s) turbomolecular pump with air-cooled high vacuum pump, with control and safety interlocks integrated into system.
- ✚ It should have ability to perform automated leak check using a metered amount of air as reference.
- ✚ It should have Standard 3.0m 3/min rotary-vane pump.
- ✚ Instrument Control
- ✚ It should have ability to acquire data in centroid or profile mode.
- ✚ It should have scan modes like full scan, SIM and alternating full scan/SIM.
- ✚ It should have ability to alternate between full scan MS and SIM target analysis on successive scans.
- ✚ In full scan/SIM mode, the data should be acquired into a single file with the ability to be parsed into separate views by the data system.

Chemical Ionization:-

- ✚ It should have ability to perform Positive Chemical Ionization (PCI) and Negative Chemical Ionization (NCI). It should have dual CI gas flow module, capable of automatically switching between two CI gases on a sample by sample basis through software control.

Standard Installation Specifications (Not typical one) :-

- ✚ In **EI** mode, 1 μL of 1pg/ μL octafluoronaphthalene (OFN) will produce the minimum signal to-noise for m/z 272 when scanning 50 - 300 u : **1,500:1 with He (Guranteed)**
- ✚ In **PCI** mode, 1 μL of 100 pg/ μL benzophenone will produce minimum signal-to-noise for m/z 183 when scanning 80 - 230 u using methane reagent gas: **300:1**.
- ✚ In **NCI mode**, 2 μL of 100 fg/ μL of OFN will produce minimum signal-to- noise for m/z 272 when scanning 50 - 300 u using methane reagent gas : **600:1**

5. **Flame Ionization Detector (FID) :-**

- ✚ MDL : ~ 1.4 pg C/s; Sensitivity : >0.03 Coulombs/gC. Linear Dynamic Range : $>10^7$ ($\pm 10\%$). Maximum Temperature : 450°C in steps of 0.1°C . Integrated Electronic Control ? Electronic Pressure Control.

6. **Column :-**

- ✚ TG-5MS — 30m x 0.25mm id x 0.25 μm - General applications, pesticides, drugs of abuse, PAH, etc.
- ✚ TG-WAX MS-30m x 0.25mm id x 0.25 μm - Flavor & essential oils, FAMES, solvents, etc.
- ✚ TG WAXMS A-30Mm x 0.25mm id x 0.25 μm - Organic acids, Free fatty acids, alcohols
- ✚ TR - FAME - 30m x 0.25mm id x 0.25 μm - CIS/TRANS ISOMERS FAMES

TECHNICAL SPECIFICATIONS

Digital Ceramic Hot Plate

1. Top plate dimensions (inch) : 7" x 7"
2. Top plate material : Ceramic
3. Temperature range (degree celcius) : 30 to 540
4. Dimensions (inch) : 8.5 x 3.75 x 12.75
5. Maximum load capacity : 25 lbs
6. Power (VAC) : 230
7. Power (Hz) : 50/60
8. Power (Amps) : 5
9. Power (Watts) : 1200
10. Microprocessor allows for precise control of temperature throughout the entire range.
11. Hot Surface Warning safety symbol remains lit until top plate cools below 50°C
12. Cast-aluminium base has molded contours to divert liquid spills away from internal components.
13. Heat display shows actual and set point temperature allowing repeatable accurate results.
14. The Unit includes a temperature probe kit which contains a 6"L (15.2cm) PTFE-coated stainless steel probe, 18"L (45.7cm) support rod and probe clamp.
15. Over-temperature protection system to cut off power to unit in overheat condition protecting both user and sample.