



**Directorate of Forensic Science Laboratories,**  
**Mumbai.**

**Tender Form**

( To be returned with Tender to the Director, Forensic Science Laboratories, Maharashtra State and Chemical Analyser to Government, Vidyanagari, Hans Bhugra Marg, Santacruz (East), Mumbai-400 098. Tel No.022-26670755/58-Ext-228)

**Tender for**  
**Layered Voice Analysis System**  
**(LVA)**

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## NOTICE DETAILS

<b>Tender No.</b>	<b>DFSL/MUM/LVAS/41/2015-16</b>
<b>Last Date of Bid Preparation</b>	21/01/2016 up to 15.00
<b>Last Date of Bid Submission</b>	22/01/2016 up to 17.00
<b>Date of Opening of Tender</b>	22/01/2016 from 17.01 hrs. onwards
<b>Tender shall remain valid till</b>	One Year
<b>Cost of blank tender document &amp; Mode of Payment</b>	Rs.3000/-(Rupees Three Thousand Only) (Non Refundable) to be paid through Online Payment Modes i.e. Net Banking, Debit Card and Credit Card during Tender Document Download Stage.
<b>Estimate Cost of Tender</b>	Rs.40.00 Lakh. Approx.(1 No.)
<b>EMD Amount &amp; Mode of Payment</b>	<b>Rs.50,000/- (Rupees Fifty Thousand Only)</b> to be paid through Online Payment Modes i.e. Net Banking, Debit Card, Credit Card and NEFT/RTGS during Bid Preparation Stage.If EMD exempted then EMD exemption Certificate shall be uploaded online
<b>The information of e-Payment Gateway available on e-tendering website</b>	<a href="https://home.maharashtra.etenders.in">https://home.maharashtra.etenders.in</a>
<b>Contact Telephone Numbers</b>	022-26670755/58
<b>e-Tendering Helpline Support:</b> <b>Monday to Friday - 09:00 AM - 08:00 PM</b> <b>Saturday - 09:00 AM - 06:00 PM</b>	<b>Telephone:</b> 020 - 3018 7500 <b>Email:</b> <a href="mailto:support.gom@nextenders.com">support.gom@nextenders.com</a>

## **TENDER TIME SCHEDULE (KEY DATES)**

Sr. No.	Activity	Performed by	Start		Expiry	
			Date	Time	Date	Time
1	Tender Release	Department	11-01-2016	11.00	11-01-2016	15.00
2	Tender Download	Bidders	11-01-2016	15.01	21-01-2016	15.00
3	Bid Preparation					
4	Technical Bid Closing	Department	21-01-2016	15.01	21-01-2016	17.00
5	Price Bid Closing.					
6	Bid Submission	Bidders	21-01-2016	17.01	22-01-2016	17.00
7	Technical Bid Opening	Department	22-01-2016	17.01	30-01-2016	17.00
8	Price Bid Opening					

## **ONLINE INFORMATION**

As per Information technology Act – 2000, the Bidders are required to sign the bid data using Class – II / Class – III Digital Certificate. The Bidders may procure the Digital Certificate in the name of the authorized representative of the Organization at the earliest. The tender should be prepared & submitted online using individual's digital signature certificate. Bidders who may need to procure Digital Certificates may contact **Sify - Nextenders on 020 – 3018 7500**.

e-Tendering Tool Kit for Bidders (detailed Help documents, designed for bidders) has been provided on e-Tendering website in order to guide them through different stages involved during e-Tendering such as online procedure for tender document purchase, bid preparation, bid submission.

The interested contractors / bidders will have to make online payment (using credit card/debit card/net banking) **of Rs. 1054/-** (inclusive of all taxes) per bid per tender to online service provider of e-Tendering system (SifyNexTenders) at the time of entering Online Bid Submission stage of the tender schedule.

The Bidders are required to download the Tender Forms for the above items online and also submit their Bids for these items **ONLY** online. Manual Bids for these items shall not be considered in any circumstances.

The various activities required to be executed by the Bidders to submit their online Bids for these items are time and date locked. The Bidders are requested to execute all the activities related to their bids within the prescribed time limits (key dates) for each stage.

If any assistance is required regarding e-Tendering (registration / upload / download) please contact GoM e-Tendering Help Desk on telephone number: **020 – 3018 7500 (Pune Helpline)**, **Email: [support.gom@nextenders.com](mailto:support.gom@nextenders.com)**

**-sd-**

**Director**

**Directorate of Forensic Science Laboratories, Mumbai**

## **-: INSTRUCTIONS TO BIDDERS :-**

### **GENERAL INSTRUCTIONS:**

The bidders are requested to familiarize themselves with the use of the e-Tendering portal of Government of Maharashtra well in advance

To view- Tender Notice, Detailed Time Schedule, Tender Document for this Tender and subsequently purchase the Tender Document and its supporting documents, kindly visit following e-Tendering website of **Government of Maharashtra**: <https://maharashtra.etenders.in>

The Contractors participating first time for e-Tenders on GoM e-tendering portal will have to complete the Online Registration Process for the e-Tendering portal. A link for enrollment of new bidders has been provided on <https://maharashtra.etenders.in>

All bidders interested in participating in the online e-Tendering process are required to procure Class II or Class III Digital e-Token having 2 certificates inside it, one for Signing/Verification purpose and another for Encryption/Decryption purpose. The tender should be prepared & submitted online using individual's Digital e-Token.

**e-Tendering Tool Kit for Bidders** (detailed Help documents, designed for bidders) has been provided on e-Tendering website in order to guide them through different stages involved during e-Tendering such as online procedure for Tender Document Purchase, Bid Preparation, Bid Submission.

Bidders will have to pay cost of Tender Document through online modes of payment such as **Net Banking, Debit Card and Credit Card** during **Tender Document Download stage**. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Similarly, Bidders will have to pay Earnest Money Deposit through online modes of payment such as **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during **Bid Preparation stage**. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

The interested contractors / bidders will have to make online payment (using credit card/debit card/net banking) of Rs. 1054/- (inclusive of all taxes) per bid per tender to online service provider of e-Tendering system (Sify NexTenders) at the time of entering **Online Bid Submission** stage of the tender schedule.

If any assistance is required regarding e-Tendering (registration / upload / download) please contact GoM e-Tendering Help Desk on number: **020 – 3018 7500 (Pune Helpline)**, **Email: [support.gom@nextenders.com](mailto:support.gom@nextenders.com)**

**For a bidder, online bidding process consists of following 3 stages:**

1. Online Tender Document Purchase and Download
2. Online Bid Preparation
3. Online Bid Submission

**All of 3 stages are mandatory in order for bidders to successfully complete Online Bidding Process.**

### **TENDER DOCUMENT PURCHASE AND DOWNLOAD:**

The tender document is uploaded / released on Government of Maharashtra, (GOM) e-tendering website <https://maharashtra.etenders.in>. Tender document and supporting documents may be

purchased and downloaded from following link of Directorate of Forensic Science Laboratories on e-Tendering website of Government of Maharashtra, <https://home.maharashtra.etenders.in> by making payment through **Online Payment Modes i.e. Net Banking, Debit Card and Credit Card.**

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder proceed further for next stage resulting in his/her elimination from Online Bidding Process.

This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Subsequently, bid has to be prepared and submitted online ONLY as per the schedule.

The Tender form will be available online only. Tender forms will not be sold / issued manually from **Directorate of Forensic Science Laboratories, Maharashtra State, Vidyanagari, Hans Bhugra Marg, Santacruz (East), Mumbai-400 098.**

The bidders are required to download the tender document within the pre-scribed date & time mentioned in online tender schedule. After expiry of the date and time for tender document download, Department / Corporation will not be responsible for any such failure on account of bidders for not downloading the document within the schedule even though they have paid the cost of the tender to the Department / Corporation. In such case the cost of the tender paid by the bidders will not be refunded.

### **PREPARATION & SUBMISSION OF BIDS**

Both the Bids (Technical as well as Commercial) shall have to be prepared and subsequently submitted online only. Bids not submitted online will not be entertained.

#### **Online Bid Preparation**

##### **EARNEST MONEY DEPOSIT (EMD)**

Bidders are required to pay Earnest Money Deposit (if applicable) through Online Payment modes i.e. **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during Bid Preparation Stage.

This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

In case EMD is mandatory to all the bidders for a tender, offers made without EMD shall be rejected.

In Bid Preparation stage, bidders get access to Online Technical and Commercial Envelopes where they require uploading documents related to technical eligibility criteria and quote commercial offer for the work / item in respective online envelopes.

#### **1) Technical Bid**

Following documents should be uploaded in Online Technical Envelope (T1) in PDF format, if required can be Zipped as well and then uploaded. These documents need to be digitally signed by individual contractor's Suppliers digital signature and uploaded during **Online Bid Preparation stage.**

The list of documents for Technical Envelope is given separately.

#### **2) Commercial Bid**

All commercial offers must be prepared online (An online form will be provided for this purpose in Online Commercial Envelope (C1), during **Online Bid Preparation** stage).

Any bidder should not quote his offer anywhere directly or indirectly in Technical Envelope (T1), failing which the Commercial Envelope (C1) shall not be opened and his tender shall stand rejected.

*Note: During Online Bid Preparation stage, bidders are allowed to make any changes or modifications in the bid data uploaded by them in Technical (T1) as well as Commercial (C1) envelope.*

*Towards the end of Bid Preparation, once verification of EMD payment is successful, bidder completes the Bid Preparation stage by generating the Hash Values for T1 and C1. Post this, system won't allow him/her to make any further changes or modifications in the bid data.*

## **B) Online Bid Submission**

In this stage, bidders who have successfully completed their Bid Preparation stage are required to transfer the data, already uploaded by them during Bid Preparation stage, from their custody to department's custody.

*Note: During this stage, bidders won't have any capability to make any kind of changes or editing into technical as well as commercial data.*

### **INSTRUCTION TO BIDDERS FOR ONLINE BID PREPARATION & SUBMISSION**

Bidders are required to pay Earnest Money Deposit (if applicable to them) through Online Payment modes i.e. **Net Banking, Debit Card, Credit Card and NEFT/RTGS** during Bid Preparation Stage.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

Hence, it is strongly recommended to bidders to initiate this payment well in advance prior to expiry of Bid Preparation stage in order to avoid elimination from Online Bidding Process on grounds of failure to make this payment.

During the activity of **Bid Preparation**, bidders are required to upload all the documents of the technical bid by scanning the documents and uploading those in the PDF format. This apart, bidders will have to quote commercial offer for the work / item, for which bids are invited, in an online form made available to them in Commercial Envelope. This activity of **Bid Preparation** should be completed within the pre-scribed schedule given for bid preparation.

After **Bid Preparation**, the bidders are required to complete **Bid Submission** activity within pre-scribed schedule without which the tender will not be submitted.

Interested contractors / bidders will have to make online payment (using credit card/debit card/net banking/Cash Card) of Rs. 1054/- (inclusive of all taxes) per bid per tender to online service provider of e-Tendering system (Sify NexTenders) at the time of commencing **Online Bid Submission** stage of the tender schedule.

Non-payment of processing fees will result in non-submission of the tender and Department will not be responsible if the tenderer is not able to submit their offer due to non-payment of processing fees to the e-tendering agency.



Detailed list of different modes of online payment to e-tendering service provider (**E-Payment Options**) has been provided under **E-Tendering Toolkit for Bidders** section of <https://maharashtra.etenders.in> .

The date and time for online preparation followed by submission of envelopes shall strictly apply in all cases. The tenderers should ensure that their tender is prepared online before the expiry of the scheduled date and time and then submitted online before the expiry of the scheduled date and time. No delay on account of any cause will be entertained. Offers not submitted online will not be entertained.

If for any reason, any interested bidder fails to complete any of online stages during the complete tender cycle, department shall not be responsible for that and any grievance regarding that shall not be entertained.

Any amendment to the tender will be placed on sub portal of the Department, who have invited the bids, on e-tendering portal of the Govt. of Maharashtra. The tenderer will not be communicated separately regarding the amendment.

### **OPENING OF TENDERS :-**

On the date, specified in the Tender Schedule, following procedure will be adopted for opening of the tender.

#### **A) Envelope No. 1 :- (Documents)**

First of all Technical Bid of the tender will be opened online to verify its contents as per requirements. If the various documents contained in this envelope do not meet the requirements of the Department, a note will be recorded accordingly by the tender opening authority and the said tenderer's Price bid will not be considered for further action and the same will be recorded. The decision of the tender opening authority in this regard will be final and binding on the contractors.

#### **B) Envelope No. 2 :- (Financial Bid)**

This envelope shall be opened immediately (if possible) after opening of online of **Technical Bid**, (only if contents of **Technical Bid** are found to be acceptable to the Department. ) in the presence of bidders who remain present at the time of opening of **Price Bid**.

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**Director**  
**Directorate of Forensic Science Laboratories,**  
**Mumbai.**

(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)

FORMAT- 1

No. :-

Date :-

AUTHARISATION LETTER

To,  
Director,  
Directorate of Forensic Science Laboratories,  
Maharashtra State, Mumbai.

**Sub** : Authorization for submission of Tender for\_\_ - \_\_\_\_\_ -  
**Ref** : Your Tender No. \_\_\_\_\_ Due on \_\_\_\_\_

Dear Sir,

With reference to above, this is to inform you that. We, \_\_\_\_\_  
are an established manufacturer of \_\_\_\_\_, having factory at  
\_\_\_\_\_ since 19\_\_\_/ 20\_\_\_\_. We do hereby authorize M/S  
\_\_\_\_\_ to quote and negotiate for item/s mentioned in  
tender enquiry number \_\_\_\_\_ Due on \_\_\_\_\_. We further undertake that the  
products supplied by M/S \_\_\_\_\_ will be fully supported by us during  
and after the warranty period and all service calls will be attended by us / our authorized  
service provider promptly. The list of Authorized service providers in India/ Maharashtra is  
attached herewith.

Thanking you.

For \_\_\_\_\_

Authorized Signatory

Date Name-

Place -

Designation –

**(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)**

**FORMAT- 2**

No. :-

Date :-

**No Deviation Statement**

**To,**  
**Director,**  
**Directorate of Forensic Science Laboratories,**  
**Maharashtra State, Mumbai.**

Dear Sir,

We submit herewith a no deviation statement giving comparison of our technical offer and the specifications of the items mentioned in the tender no. \_\_\_\_\_ Due on \_\_\_\_\_

Name of Manufacturer:-  
Make & Model quoted :-

Specification of Equipment/item stated in Tender Enquiry <b>step by step</b>	Specification of Equipment/item offered by Bidder <b>step by step</b>	Whether there is any deviation from the tender specification Yes / No	If yes, indicate clearly the deviations and your justification for deviation
1	2	3	4

Signature of Bidder with Seal

**(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)**

**FORMAT 3**

No. :-

Date :-

**UNDERTAKING FOR DELIVERY**

We \_\_\_\_\_, the manufacturers of \_\_\_\_\_ (name of item) do undertake to deliver the material mentioned in the tender No \_\_\_\_\_ Due on \_\_\_\_\_ within the stipulated delivery period mentioned in the tender form.

For and on behalf of \_\_\_\_\_

Seal of the manufacturer/ Supplier

**(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)**

**FORMAT- 4**

No. :-

Date :-

**UNDERTAKING FOR DEMONSTRATION**

We \_\_\_\_\_, the manufacturers of \_\_\_\_\_ (name of item) do undertake to demonstrate the material mentioned in the tender No. \_\_\_\_\_ Due on \_\_\_\_\_, as and when asked by the purchasing authority.

For and on behalf of \_\_\_\_\_

Seal of the manufacturer / supplier

**(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)**

**FORMAT- 5**

No. :-

Date :-

**DECLARATION**

**To,  
Director,  
Directorate of Forensic Science Laboratories,  
Maharashtra State, Mumbai.**

I, the undersigned for and behalf of M/S \_\_\_\_\_ hereby accept and agree with the Fall clause, penalty clause and Risk purchase clause for the tender No. \_\_\_\_\_ Due on \_\_\_\_\_ as published in the Manual of the office procedure for purchase of stores by the Government departments of the Government of Maharashtra.

For and on behalf of \_\_\_\_\_  
Seal of the Bidder

**(TO BE PRINTED ON THE LETTER HEAD OF THE FIRM)**

**Covering Letter for Financial Bid**

**Dt. / /2016**

**To,  
Director,  
Directorate of Forensic Science Laboratories,  
Maharashtra State, Mumbai.**

Subject : Tender for purchase of **Layered Voice Analysis System (LVAS)**  
under "Directorate of Forensic Science Laboratories"

Sir,

I am pleased to submit the rates for Tender for purchase of **Layered Voice Analysis System (LVAS)** under "Directorate of Forensic Science Laboratories" as per your Tender Notice published in the ..... viz. \_\_\_\_\_, dated \_\_\_\_\_.

The rates quoted are inclusive of all Levies and Taxes etc. of Central/State Government or any authorities.

I/We read all the conditions mentioned in your Tender enclosed to this form and these conditions are acceptable to me / us.

If there is any increase in Levies or Taxes imposed by any authority (Central/State Government or Local authorities ) or any other liabilities, I/We agree to pay it and Directorate of Forensic Science Laboratories, Mumbai will not be responsible for any such payment or liabilities.

Yours faithfully,  
(Name of Agency/Company & Seal)

**-: IMPORTANT NOTES:-**

1. Tender should be valid upto 31<sup>st</sup> March 2016. In case next tender process should delayed, bidder should supply material up to completion of next tender process.
2. Tenderers should submit bid online as below:
  - A) The first part should contain **Technical** information of the unit such as –
    - a) For EMD exemption enclose any one copy of SSI/CSPO/NSIC/DOS registration.
    - b) EMD should be paid via online e-Payment Gateway mode only.
    - c) Valid Income Tax Clearance Certificate of year 2014-15.
    - d) Sales Tax registration and Clearance certificate.
    - e) Original literature of the quoted item is compulsory.
    - f) Details regarding participation of such Tender inquiry in the past. (If any).
    - g) Authorization letter from the principal or manufacturer(Format-1)
    - h) Format 1-5 & Covering letter for financial bid is compulsory.
  - B) The Second part should contain **Commercial** information of the unit as per Annexure-1
3. Opening of e-tender: The tenders are at liberty to be present at the time of opening of tender.
4. The Directorate FSL does not pledge himself to accept lowest or any tender and reserves to himself the right of accepting the whole or any part tender or portion of quantity offered against any item and the tenderer shall supply the same at the rate quoted. The tenderer is at liberty to quote for the whole or any portion of the quantity of any item or state that the rates quoted shall supply if the entire quantity of any such items is taken from him.
5. Successful tenderer should pay the security deposit as per **Acceptance of Letter**
6. Rates: F.D./F.O.R. Mumbai, Nagpur, Pune, Aurangabad, Nasik, Amravati, Nanded & Kolhapur.
7. Delivery : within 10-12 weeks of placement of order from time to time
8. Validity of contract shall be enhanced if required.
9. Literature & Price list giving complete information and detailed specifications should be submitted along with quotations.
10. Goods should offers in Indian currency only.
11. If goods cannot offer in Indian currency then details of foreign currency can be given in table form.
12. Quantity should be increase or decrease as and when required.
13. Only the final prices will be considered for comparison.
14. **Octroi & Custom duty exemption certificate will be provided by this department**

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**Director**

**Directorate of Forensic Science Laboratories, Mumbai**



**Annexure-1**  
**-: Commercial Form :-**

**This form is available online.**

Sr. No.	Price Break Up	Mention Percentage Of Taxes, Other Charges, Conversion Rate, Nos./ Qty.	Price (in foreign currency)	Price (in INR)
1	Basic price			
2	Taxes			
1	Vat			
2	Service tax			
3	Sales tax			
4	Other tax			
3	Freight charges			
4	Packing & forwarding charges			
5	Insurance charges			
6	Excise duty (If any)			
7	Other Charges (If any)			
8	Conversion rate if price mentioned in foreign currency			
9	Total Price per unit			
10	Final price (Price per unit X Qty.)			
11	Delivery Period			

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**Director**

Directorate of Forensic Science Laboratories, Mumbai

**Technical Specification For**  
**Layered Voice Analysis System (LVAS)**  
**(Approx. Quantity 1 No.)**

Software based Layered Voice Analysis System based upon Psychological Profiling for fast and effective screening of subjects based upon human speech data, independent of spoken language.

- The system should be able to detect the changes reflected in vocal wave form of the speech based upon cortical perception.
- The software should be able to process different types of stress, cognitive processes and emotional reaction to detect minute, involuntary and uncontrolled abnormalities in speech wave form for identification of speaker's emotional profiles, to help optimize the truth verification of the speech, and expose malicious and deceptive intentions.
- System should use series of signals processing algorithms to detect "traces" of brain activity within a given voice sample.
- Multiple vocal parameters, preferably over 100 parameters, should be utilized to detect and measure brain activities, emotional state and physiological condition to create the foundation of the analysis, and create an "emotional signature" of an individual.

The system should be able to be used in the following modes:

- On- line mode to detect face to face or over phone conversation in Real Time to screen large number of subjects.
- Off-line mode to analyze pre-recorded conversation, TV interviews etc.
- Investigation mode for professional polygraph examiners based upon analysis of yes/no questionnaires.

System should be supplied complete with 15" Laptop along with high quality Microphone.

A detailed training should be provided to at least 2 Scientists during installation and acceptance of the system at site.

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**-sd-**  
**Director**  
**Directorate of Forensic Science Laboratories, Mumbai.**