



**EXPORT INSPECTION AGENCY – MUMBAI**  
**(Ministry of Commerce & Industry, Government of India)**  
**Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai – 400 004**

Telephone: + 91 - 22 – 23630311/0312/0313/23614017/7998  
Fax: + 91 – 22 – 2368 3927

Website: <http://www.eicindia.gov.in>  
Email: [eia-mumbai@eicindia.gov.in](mailto:eia-mumbai@eicindia.gov.in)

**Notice Inviting Tender**

Sealed tenders are invited on the behalf of Export Inspection Agency-Mumbai for its laboratory, Pilot Test House, E-3, MIDC, Andheri (East), Mumbai-400 093, for supply, installation & Commissioning of the following laboratory equipment/Instrument/items at Export Inspection Agency-Mumbai, Laboratory, Pilot Test House (PTH), Mumbai.

<b>Tender enquiry No.</b>	<b>Equipment Name/Description</b>	<b>Quantity</b>	<b>EMD Amount (Rs.)</b>
EIA / Mum / Lab/Equip/2015-16 / 01	Grinding Mill	One	6,000
EIA / Mum / Lab/Equip/2015-16 / 02	Homogenizer	One	7,000
EIA/Mum/Lab/Equip/2015-16/03	Water purification system <b>(Under buy back)</b>	One	15,000
EIA/Mum/Lab/Equip/2015-16/04(a)	Deep Freezer (-80°C) (Vertical)	One	10,000
EIA/Mum/Lab/Equip/2015-16/04(b)	Deep Freezer (-20°C) (Vertical)	One	10,000
EIA / Mum / Lab/Equip/2015-16 / 05	Microwave digestion system <b>(under buy back)</b>	One	32,000
EIA/Mum/Lab/Equip/2015-16/06	Nitrogen Generator for LCMSMS	One	28,000

The tender document containing, specifications, terms & conditions and instructions etc are enclosed, the same may downloaded from the EIC website. The tenders completed in all respect along with **Rs.200/- towards** cost of tender document and EMD as mentioned against respective equipments, by Demand Draft drawn in favour of Export Inspection Agency Mumbai addressed to **The Joint Director/Deputy Director (I/c), Export Inspection Agency - Mumbai, (Ministry of Commerce & Industry, Govt. of India), Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai – 400 004**, shall be submitted on or before **30-12-2015 up to 11.00 hrs** (The Demand Draft towards cost of Tender documents & EMD should be enclosed with the technical bid (cheques will not be accepted).The tenders so received shall be opened on the same day at 14:30 hrs. at the same address. The tenders received without cost for tender document and EMD shall be deemed to have been rejected. The Joint Director/Deputy Director (I/c), EIA-Mumbai reserves the right to accept or reject any offer in whole or in part without assigning any reason thereof.

Joint Director/Deputy Director (I/c)  
EIA-MUMBAI

**EXPORT INSPECTION AGENCY – MUMBAI**  
 (Ministry of Commerce & Industry, Government of India)  
 Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai – 400 004

**Tender Enquiry**  
**LABORATORY EQUIPMENTS/ITEMS FOR EXPORT INSPECTION AGENCY-**  
**MUMBAI**  
**TERMS & CONDITIONS AND INSTRUCTIONS TO TENDERERS**

**1. INVITATION**

Export Inspection Agency-MUMBAI (referred to as "the purchaser") invites Sealed Tenders (Two Bids system, ("Technical Bid" & Financial Bid") of various Laboratory equipments/items as per specification and quantity mentioned in Annexure-I at Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai – 400 004

For Supply, installation & commissioning of various Laboratory equipments/items as per specification and quantity mentioned in Annexure-I with all connected accessories needed for it's functioning laboratory at Export Inspection Agency-Mumbai, Pilot Test House-Laboratory, E-3, M.I.D.C., Andheri (East), Mumbai – 400 093

**2. GENERAL**

The tender document can be downloaded and an amount of Rs.200/- towards cost of tender document should be enclosed by demand draft drawn in favour of Export Inspection Agency Mumbai. The tenders received without cost for tender document and EMD shall be deemed to have been rejected. **Old Equipment/ items under BUY BACK OFFER (tender enquiry no. 3 & 5) mentioned in the tender notice may be inspected at premises (Pilot Test House laboratory at E-3, MIDC, Andheri East, Mumbai-400 093) on any working day between 11.00 hrs. to 14.00hrs. Only interested bidders to honour the buyback offer alone can submit the bid for the respective equipment's. The Joint Director/ Deputy Director Incharge reserves right to trade or not to trade the items proposed for Buy back. The Joint Director/ Deputy Director in-charge EIA-Mumbai reserves the right to accept or reject any offer in whole or in part without assigning any reason thereof.**

**3. SPECIFICATION**

- i. The equipments/items as per specification and quantity mentioned in Annexure-I including its accessories may be indigenous or imported in full or part. The same should be specifically mentioned including the name of the equipments/components /accessories which are not indigenous.
- ii. Equipments with latest technology may be given preference.
- iii. All necessary catalogues/applications vis-à-vis configuration/technical literatures/ data/application notes etc. as are considered essential for full and correct evaluation of the offers made shall invariably accompany the tender.

*Pro* 18/11/15  
*E. Shrivastava* 18/11/15  
*U. K. W. S. Shrivastava* 18/11/15  
*S. K. S. Shrivastava* 18/11/15  
*A. S. Shrivastava* 18/11/15  
*J. M. S. Shrivastava* 18/11/15  
*D. V. S. Shrivastava* 18/11/15  
*B. J. P. S. Shrivastava* 18/11/15

#### 4 DELIVERY PERIOD

Delivery period should be within 45 days for indigenous & 60 days for imported equipments / items from the date of acceptance of the Order by the successful bidder. However, preference may be given to the bidders who could supply the materials immediately or earlier than the due date, which shall be specifically mentioned in the tender/offer.

#### 5 INSTALLATIONS AND COMMISSIONING

In case the bidder / supplier fails to satisfactorily install/commission the equipments they shall be liable for its withdrawal/replacement without any liability on the purchaser.

#### 6. INSTRUCTION MANUAL AND APPLICATION NOTES

Instruction/operation Manual and application notes as necessary to enable the user to put the equipments for proper use are to be provided.

#### 7. TRAINING

Necessary Training for operation of the equipment / instrument to be supplied , to be imparted to our officials wherever necessary.

#### 8. GUARANTY/WARRANTY

The bidder shall also furnish the details of terms and conditions of Guarantee/Warranty. The successful bidder shall furnish the following guarantee/warranty wherever applicable (specially excluding spares) in case the order is placed on them. The equipments offered shall remain in good working condition for a minimum period of 24 months from the date of successful installation and commissioning and within this period repair or replacement wherever applicable, if any, shall be provided free of cost. It shall also be guaranteed that spare parts and accessories will be supplied if and when required by the purchaser after the warranty period also for at least five years

#### 9. PENALTY

If the bidder fails to complete any of the activities in accordance with the time specified for it or any extension of time granted by the purchaser, the bidder shall pay to the purchaser penalties at the rate of 1% per week of the contract value.

#### 10. AFTER SALES SERVICE

- (a) Charges towards AMC services for equipments after expiry of guarantee/warranty period to be specified for at least two years.  
 (b) The names, addresses and contact numbers of their Authorized Service Centres nearest to MUMBAI should be mentioned

#### 11. PRICE

- a) Price quoted for equipments/items should be for delivery F.O.R. Aman chambers, 4<sup>th</sup> floor, 113, Maharshi Karve Road Mumbai – 400 004 inclusive of all charges such as Road tax/way bill, packing, forwarding, transit insurance, transportation including delivery at the address mentioned in our bid.

Day  
18/11/15

PJ  
18/11/2015

E. Anil  
18/11/15

W. J. J. J.  
18/11/15

S. Anil  
18/11/15

A. S. Dhav  
18.11.15

Final  
18/11/15  
B. B. B.  
18/11/15

b) Prices quoted must be firm and shall be in Indian currency even for imported equipments / items.

c) The offer for Buy back items should be clearly mentioned in Indian currency separately.

## 12 DUTIES & TAXES

All statutory duty / tax payable to Government are to be clearly indicated in the bid. In the absence of any such stipulation in the tender it will be presumed that the prices quoted by the bidder are inclusive of all such charges and no liability for such payments will develop upon the purchaser.

## 13. TERMS OF PAYMENT

For indigenous as well as imported equipments payment to the extent of 70% will be made after the delivery of the equipment at the site & satisfactory installation / commissioning and 30% on satisfactory validation of the equipment and imparting training to the Laboratory officials concerned wherever applicable.

## 14 EARNEST MONEY DEPOSIT (EMD)

Earnest Money Deposit (EMD) per equipment /items as mentioned in the tender notice against each item is required to be submitted by a bidder along with tender document in the form of Demand Draft drawn in favour of Export Inspection Agency Mumbai payable at Mumbai. EMD shall be refunded to the unsuccessful bidder on finalization of tenders.

## 15. MODE OF SUBMISSION OF TENDERS

- i. All tenders shall be submitted on the letter-head of the tendering firm in English or in Hindi giving clearly the following information:
  - a) Name of the equipments for which the offer is made.
  - b) Details of the equipments offered with its technical specifications along with brochures, leaflets/operational manual, application notes, etc. as applicable.
  - c) Rate per unit.
  - d) Delivery period
  - e) Authorization/Recognition/Agent document from parent company to be enclosed
  - f) Other details/documents as mentioned elsewhere in the terms and conditions.
  - g) The tender should be submitted item / Sl. No. wise as per Annexure I duly signed.
  - h) The tender should furnish full details of customers to whom they have supplied the similar equipments.
  - i) The tender should furnish the offer in separate/individual pages for each individual item.
  - j) The tender should also furnish Earnest Money Deposit (EMD) wherever applicable as per clause 13 of the terms and conditions.
  - k) The compliance statement with suitable technical supportive document should be submitted item / Sl. No. wise.
  - l) Proprietary Certificate and Authorization letter to be furnished, wherever applicable

Pw  
18/11/15

E. And  
18/11/15

U.K. Wadkar  
18/11/15

J. K. J. K.  
18/11/15

A. S. Shrivastava  
18/11/15

Shil  
18/11/15

ED 24  
12/11/15

B. K. S.  
18/11/15

- ii) Tender document should be sent in a sealed envelope with Technical Bid & Financial Bid sealed separately, , super scribed as "Tender for Laboratory Equipment" Technical Bid / Financial Bid. With tender enquiry number , name of the equipment /item for which tender is submitted and date of opening tender document, on top of the envelope.
- iii) The Envelope should be addressed to The Joint Director/Deputy Director (I/c), Export Inspection Agency - Mumbai, (Ministry of Commerce & Industry, Govt. of India), Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai - 400004.
- iv) The tendering firms should indicate whether they accept the terms & conditions referred to above and in case of deviation if any is required in the terms & conditions quoted herein, it should be indicated specifically in their tender offer.
- v) The tender documents should be signed by the authorized signatory, with official seal of the firm / individuals signing the tenders and related documents must specify the capacity in which they are sign i.e. Sole Proprietor, Partner, Agent, Authorized Signatory or Attorney etc. The name and designation of the person (s) signing the tender documents should be mentioned.
- vi) The duly completed tenders documents with its enclosures shall be submitted before the due date and time notified and tenders received after the last date i.e. 30-12-2015 (11.00 hrs.) may not be considered. It will therefore be in the interest of the tenderers to ensure that the tenders are submitted well in time and no liabilities will be developed on us for transit delays.
- vii) The Tender shall be opened on i.e. on 30-12-2015 at 15:00 hours in the Conference Room of Export Inspection Agency - Mumbai, (Ministry of Commerce & Industry, Govt. of India), Aman chambers, 4th floor, 113, Maharshi Karve Road Mumbai - 400 004 in the presence of such bidders who wish to be present during the opening of the technical tenders. In case this date happens to be a closed holiday for the office of the purchaser, the tenders shall be opened at the appointed time and location on the next working day.

#### 16 PERFORMANCE GUARANTY /BANK GUARANTEE/SECURITY DEPOSIT

The successful bidder shall furnish a performance guaranty for the satisfactory performance of the equipment supplied under the contract up to the period of warranty, either in the form of bank guarantee in the prescribed format or furnish a demand draft of equivalent amount drawn in favour of Export Inspection Agency-MUMBAI, payable at MUMBAI for a sum as detailed below:

**Performance Guarantee - 10% of the basic price of the equipment.**

#### 17. RIGHT OF ACCEPTANCE OF OFFER

- a) Incomplete tender documents, specially with regard to not detailing the specifications of the equipments are liable to be rejected.
- b) The Officer-in-Charge, Export Inspection Agency-MUMBAI reserves the right to accept or reject any or all tenders in whole or in part without assigning any reason therefor.

#### 18 JURISDICTION

All disputes or differences arising out of contract, if concluded shall be subject to exclusive jurisdiction of Hon'ble High Court of MUMBAI.

*Don't certify*

*D. J. 18/11/15*

*E. J. 18/11/15*

*W. K. 18/11/15*

*S. J. 18/11/15*

*A. S. 18.11.15*

*18/11/15*

*18/11/15*



**Form # 1**  
**Bid Form**

Date:

To  
The Joint Director/Deputy Director (I/c)  
Export Inspection Agency - MUMBAI  
(Ministry of Commerce & Industry, Government of India)  
Aman chambers, 4th floor, 113, Maharshi Karve Road  
MUMBAI - 700 001.

Subject: Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export Inspection Agency - Mumbai

Dear Sirs,

Having examined the Tender Document, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply the following equipments in full conformity with the said Tender Document for the amount indicated in the *Price Schedule* attached herewith and made part of this bid.

1. Technical bid
2. Financial bid

We undertake, if our bid is accepted, to supply, install & commission, integrate and validate the equipment and to perform all other services within the respective time stated in the Tender Document.

If our bid is accepted, we undertake to provide performance security in the form, in the amounts, and within the times specified in the Tender Documents.

We agree to abide by this bid, consists of this letter, the Price Schedule, the Bid Security, documents establishing conformity, company information (including that of our relevant partners) (Form 3), list of deviations (Form 5) and other conditions to this Bid Form, for a period of ninety (90) days from the date fixed for submission of bids as stipulated in the Tender Document, and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

PK 18/11/2015  
 E. Anil 18/11/15  
 AK Walker 18/11/15  
 J. Lal 18/11/15  
 A. S. Dhavoor 18.11.15  
 J. Patel 18/11/15  
 B. P. Rao 18/11/15  
 D. G. 18/11/15

Until the formal final Contract is prepared and executed between us, this bid, together with your Purchase Order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this ..... day of ..... month, ..... year.

Signed: \_\_\_\_\_

Date: \_

In the capacity of [insert: title or position].....

Duly authorized to sign this bid for and on behalf of .....  
[insert: name of Bidder]

*DN*  
18/11/2015

*E. And*  
18/11/15

*Uxwladu*  
18/11/15

*Jalal*  
18/11/15

*A. S. Shewoo*  
18.11.15

*D. M. ...*  
18/11/15

*...*  
18/11/15

*...*  
18/11/15

**Form # 2**  
**FORM OF PERFORMANCE SECURITY (GUARANTEE) BY BANK**

1. This deed of Guarantee made this day of \_\_\_\_\_ between Bank of \_\_\_\_\_ (hereinafter called the "Bank") of the one part, and Export Inspection Agency – MUMBAI (hereinafter called "the Purchaser") of the other part.
2. Whereas the Purchaser has awarded the contract for Supply, Installation, Commissioning, Integration and Validation of \_\_\_\_\_ (name of the equipment) (hereinafter called the contract) to \_\_\_\_\_ (hereinafter called the Supplier);  
(Name of the Supplier)
3. AND WHEREAS the Supplier is bound by the said Contract to submit to the Purchaser a Performance Security for a total amount of Rs. \_\_\_\_\_ (Amount in figures and words).
4. Now, I/ we the undersigned, being fully authorized to sign and to incur obligations for and on behalf of and in the name of \_\_\_\_\_ (Full name of Bank), hereby declare that the said Bank will guarantee the Purchaser the full amount of Rs. \_\_\_\_\_ (Amount in figures and words) as stated above.
5. After the Supplier has signed the aforementioned Contract with the Purchaser, the Bank is engaged to pay the Purchaser, any amount up to and inclusive of the aforementioned full amount upon written order from the Purchaser to indemnify the Purchaser for any liability of damage resulting from any defects or shortcomings of the Supplier under the Contract mentioned above, whether these defects or shortcomings are actual or estimated. The Bank will deliver the money required by the Purchaser immediately on demand without delay without reference to the Supplier and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings of the Supplier. The Bank shall pay to the Purchaser any money so demanded notwithstanding any dispute/disputes raised by the Supplier in any suit or proceedings pending before any Court relating thereto and the liability under this guarantee shall be absolute and unequivocal.
6. This Guarantee is valid for a period of ..... months from the date of signing. [initial period for which this Guarantee will be valid must be for at least thirty (30) days longer than the anticipated expiry date of warranty period.
7. At any time during the period in which this Guarantee is still valid, if the Purchaser agrees to grant a time extension to the Supplier or if the Supplier fails to complete the work within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages as stated under Para 5 above, the Bank shall extend this Guarantee under the same conditions for the required time on demand by the Purchaser and at the cost of the Supplier.
8. The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank or of the Supplier.
9. The neglect or forbearance of the Purchaser in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Purchaser for the payment hereof shall in no way relieve the bank of its liability under this deed.

*DR*  
18/11/15

*E. Amal*  
18/11/15

*U. K. Jadhav*  
18/11/15

*Jadhav*  
18/11/15

*A. S. Dhavale*  
18-11-15

*S. J. L.*  
18/11/15

*DR*  
18/11/15

*DR*  
18/11/15



10. The expressions "the Purchaser", "the Bank" and "the Supplier" hereinbefore used shall include their respective successors and assigns.

In witness whereof I/We of the bank have signed and sealed this guarantee on the ----- day of ----- (Month & year) being herewith duly authorized.

For and on behalf of  
the \_\_\_\_\_ Bank.  
Signature of authorised

Bank official  
Name : .....  
Designation : .....  
Stamp/Seal of the Bank : .....

Signed, sealed and delivered  
for and on behalf of the  
Bank by the above  
named \_\_\_\_\_ in  
the presence of :

Witness 1.  
Signature .....  
Name .....  
Address .....  
Witness 2.  
Signature .....  
Name .....  
Address .....

*PN*  
18/11/2015

*E. Shah*  
18/11/15

*Ukwalde*  
18/11/15

*Jalal*  
18/11/15

*A.S. Dhaval*  
18.11.15

*Singh*  
18/11/15

*D. N.*  
18/11/15

*A. N.*  
18/11/15

## Form # 3

Tender No: EIA /KOL/Equip/2015-16 - Supply of Equipment for Laboratory of Export  
 Inspection Agency - MUMBAI  
 PROFILE OF THE BIDDER  
 (To be furnished with the BID)

1.	Company Profile	
	Name	
	Address of the registered office	
	Name & Designation of CEO	
	Contact numbers of CEO	
	Nature of Business	
	Years of operations in India	
	Location of offices in India	
2.	Alliances for the purpose of this Bid	
	Details of alliance(s)	
	Type of alliance(s)	
3.	Experience / Credentials	
	Number of similar units installed in India	
	Number of similar units installed in MUMBAI	
	* List of satisfied customers in India	
4.	Service Support in India	
	Location of service centers	
	Number of trained service engineers	
	Number of trained service engineers exclusively dedicated to each equipment offered	
	Number of trained service engineers for the equipments offered stationed in MUMBAI	
	Number of application specialists	
	Whether the OEM makes available any service support in India	
5.	Availability of spares in India	
	Whether the service set up maintains stock of essential spares in India	
	Lead time for supply of essential spares	

\* Testimonials from three satisfied customers may be attached

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Seal of Company \_\_\_\_\_

*PN*  
18/11/2015

*E. Anil*  
18/11/15

*UKWadhwa*  
18/11/15

*J. Anil*  
18/11/15

*A. S. D. Sharma*  
18.11.15

*St. Anil*  
18/11/15

*D. S. K.*  
18/11/15

*B. S. K.*  
18/11/15

Form # 4**PRICE SCHEDULE****PRICE BID FOR SUPPLY OF EQUIPMENT FOR LABORATORY OF EXPORT  
INSPECTION AGENCY - MUMBAI**

Date: \_\_\_\_\_

To

**The Joint Director****Export Inspection Agency - MUMBAI****(Ministry of Commerce & Industry, Government of India)****Aman chambers, 4th floor, 113, Maharshi Karve Road****MUMBAI – 400 004.**Subject: Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export  
Inspection Agency – MUMBAI

Dear Sir,

We hereby propose to supply the following equipments in full conformity with the Tender Document for your laboratory.

We have understood the instructions and the terms and conditions mentioned in the Tender Document furnished by you and have thoroughly examined the technical specifications of the equipment and their scope of supply, as laid down by you and are fully aware of nature and scope of services required.

We hereby confirm our acceptance and compliance to the provisions contained in the Tender Document. We declare that the supplies will be rendered strictly in accordance with the requirements.

We declare that the prices for each line item, as quoted in the enclosed Schedule - 1, are firm and shall not be subject to any variation for a valid period of ninety (90) days from the date fixed for submission of bids. We further declare that unless otherwise specifically mentioned, the quoted prices include all taxes, duties and levies legally leviable and payable for the items quoted, as on the date of the submission of the bids.

Our Annual Maintenance Charges (AMC), as quoted in the enclosed Schedule – 2, will be applicable, per year, after expiry of warranty period.

We have given details of deviations (clause-wise) with reference to tender document provisions, along with justification for the Deviations Schedule (Form 5) while the cost of withdrawals of these deviations is given in Schedule-3 of Price Bid enclosed herewith.

Our proposal shall remain valid for acceptance for a period of ninety (90) days from the date of opening of the bid.

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Seal of Company \_\_\_\_\_

D. N. / 18/11/15

E. J. / 18/11/15

U. K. W. / 18/11/15

S. / 18/11/15

A. S. / 18/11/15

J. / 18/11/15

D. / 18/11/15

H. / 18/11/15

Schedule I

**Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export Inspection Agency -MUMBAI**  
**Price Schedule**

Currency:

Sl.	Equipment / Item	Price Basis	Rate	Amount
1.				
	Sub Total			
2.				
	Sub Total			
	GRAND TOTAL			

Signature \_\_\_\_\_  
 Name \_\_\_\_\_  
 Designation \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Place: \_\_\_\_\_  
 Seal of Company \_\_\_\_\_

(Note: Rates to be quoted both in figure and words. In case of any discrepancy between the two, the rates quoted in words shall prevail.)

*DN* 18/11/15  
*E. Am* 18/11/15  
*UK Wadde* 18/11/15  
*Jalad* 18/11/15  
*A.S. Dhawan* 18.11.15  
*Shree* 18/11/15  
*ED* 18/11/15  
*Blade* 18/11/15

Schedule 2

Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export  
Inspection Agency -MUMBAI  
AMC Cost

Amount in Indian Rupees

Sl.	Equipment	Basic Price	AMC Rate	Amount

Signature \_\_\_\_\_

Name \_\_\_\_\_

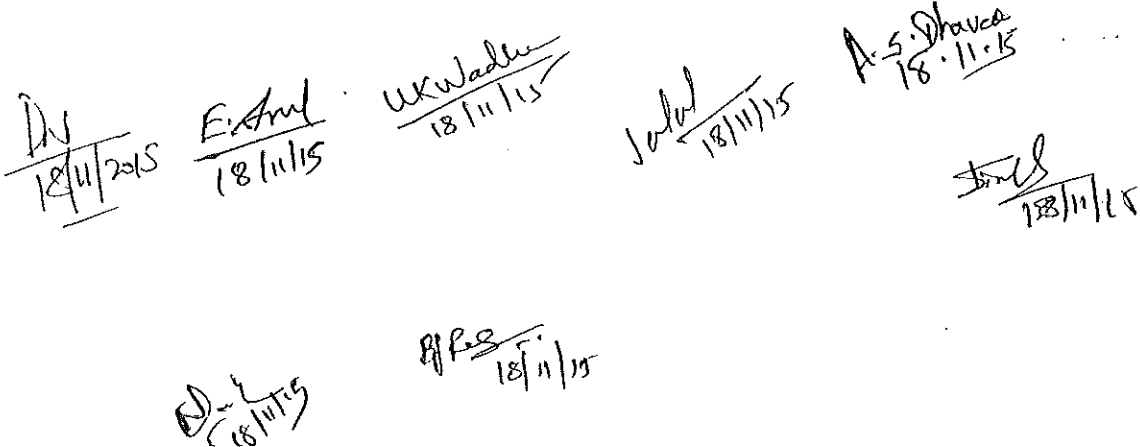
Designation \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Seal of Company \_\_\_\_\_

Note: Recurrent costs of any other nature, if applicable, should be added to the AMC costs.


 A collection of handwritten signatures and dates, including:
 

- DV / 18/11/2015
- E. Amal / 18/11/15
- U.K. Wadhwa / 18/11/15
- J. Lal / 18/11/15
- A. S. Dhavca / 18.11.15
- [Signature] / 18/11/15
- [Signature] / 18/11/15
- [Signature] / 18/11/15

Schedule 3

Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export Inspection Agency -MUMBAI

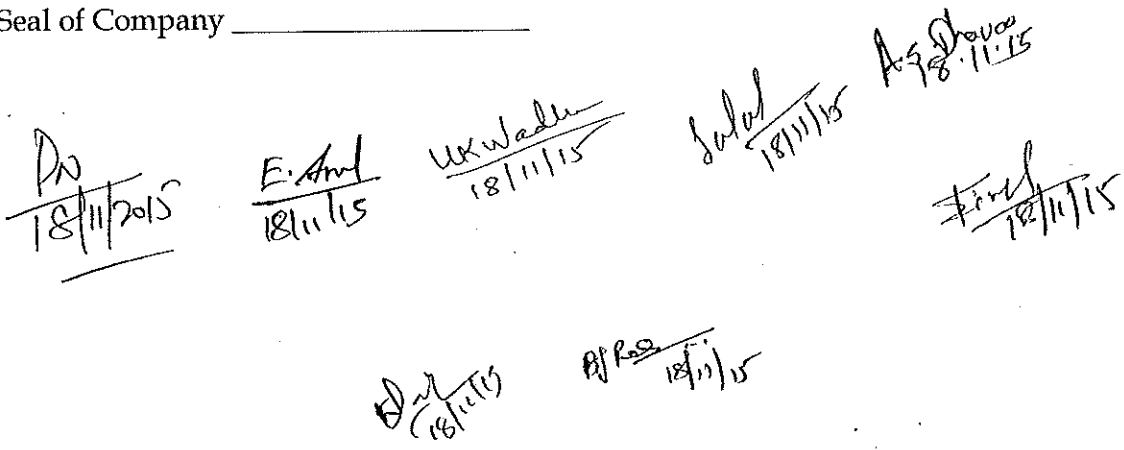
Cost of Deviations

We declare that the following are the cost related to the deviations from the terms & conditions of your Tender Document.

Clause No.	Statement of Deviation	Cost of Deviations

Our justification for Deviations has been given in Schedule for Deviations (Form 5).

Signature \_\_\_\_\_  
 Name \_\_\_\_\_  
 Designation \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Place: \_\_\_\_\_  
 Seal of Company \_\_\_\_\_


 A collection of handwritten signatures and dates. The signatures are written in black ink and include names such as 'D. S.', 'E. And', 'U. W. W.', 'S. S.', 'A. S.', 'D. S.', and 'A. S.'. The dates are mostly '18/11/15' or '18/11/2015'.

**FORM # 5**

**Tender No: EIA /Mum/Equip/2015-16 - Supply of Equipment for Laboratory of Export Inspection Agency -MUMBAI**

**DEVIATIONS SCHEDULE**

We declare that the following are the only deviations to the terms and conditions as outlined in the Tender Document. Except these deviations, subject to the approval and acceptance by the Purchaser, the entire supply shall be made as per the Tender Document.

Clause No.	Statement of Deviations

Cost of Deviations has been given in Schedule - 3 of the Price Proposal.

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Seal of Company \_\_\_\_\_

*DN*  
*18/11/2015*

*E. Anil*  
*18/11/15*

*U.K. Wadkar*  
*18/11/15*

*Sahul*  
*18/11/15*

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*Shiv*  
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Form # 6

**Particulars of Authorization**

To  
The Joint Director  
Export Inspection Agency - MUMBAI  
(Ministry of Commerce & Industry, Government of India)  
Aman chambers, 4th floor, 113, Maharshi Karve Road  
MUMBAI - 400 004.

Subject: Tender No: EIA /Mun/Equip/2015-16 - Supply of Equipment for Laboratory of Export Inspection Agency -MUMBAI

Dear Sirs,

Particulars of Authorization of the person signing these documents on behalf of the bidder are as follows:

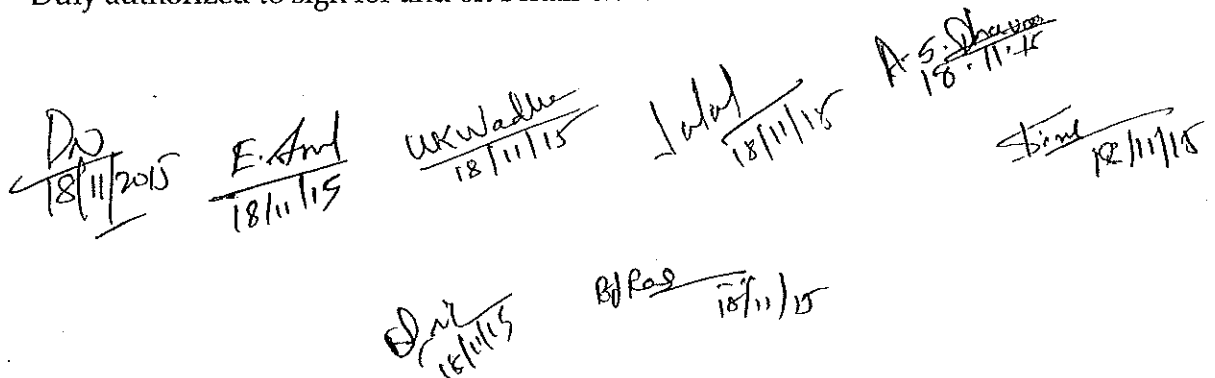
- 1. Name, Designation & Address of the authorized person. ....
- 2. Name, Designation & Address of the authorizing person. ....
- 3. Detail of documents showing that the persons mentioned in entry (2) above, is authorized to issue such a Authority. ....

(Please enclose the original authorization document.)

Signature: .....

in the capacity of: .....

Duly authorized to sign for and on behalf of: .....


  
 D.J. 18/11/2015      E. And 18/11/15      UKWadke 18/11/15      J. Lalit 18/11/15      A.S. Sharma 18.11.15  
 D. J. 18/11/15      B. Rao 18/11/15      S. S. 12/11/15





Export Inspection Agency-Mumbai01. Technical Specification Grinding Mill

S. No	Description	Specification
1.	General	The grinding mill should be low maintenance, effective sample preparation and easy-to-clean that minimise cross contamination, for easy use in the laboratory.
2.	Application	<ul style="list-style-type: none"> <li>It should be used for grinding viz; Grains, cereals, seeds, nuts, peas, pet food, pellet feed, tobacco etc.</li> <li>No thermal degradation of the sample</li> <li>Uniform particle size distribution</li> </ul>
3.	Sample size	Upto 40 mm size products
4.	Grinding rate	Impeller 10,000 rpm
5.	Grinding time	Approx 4 g/s
6.	Cleaning	Low cross contamination
7.	Sample bottle size, type and numbers	<p>The below should be provided</p> <ul style="list-style-type: none"> <li>125 ml or better bottle with snap on lid</li> <li>Dark glass UV protection bottles</li> <li>50 numbers or more bottles with lids and seal</li> <li>500 ml bottle with lid, 5 pcs</li> <li>Large Inlet/Forage Assembly Kit</li> </ul>
8.	Collection of dust	<ul style="list-style-type: none"> <li>Dust collection provision with external collection should be available</li> <li>Paper bags for dust collection of 50 numbers should be supplied</li> </ul>
9.	Dust filter pad	10 Nos. should be supplied
10.	Seal	Seal for grinding chamber, Seal for dust filter cover along with seal kits for smooth running of instrument during warranty period should be supplied
11.	Impeller	Impeller, standard- 2 Nos. Impeller, Nickel plated-2 Nos
12.	Holder	Should be supplied for sample bottle
13.	Grinding ring	<ul style="list-style-type: none"> <li>It should made of tungsten carbide</li> <li>Grinding ring for hard sample also should be supplied</li> </ul>
14.	Grinding strip	Steel grinding strip, self- adhesive- set of 10 Nos. should be supplied
15.	Power supply	230V AC $\pm$ 10%, 60 Hz
16.	Consumables and spares	Should be provide with necessary consumables and accessories for continuous smooth running atleast during warranty period.
17.	Screen	0.3 mm, 0.5 mm, 0.8 mm, and 1.0 mm
18.	Documentation	Supplier should provide IQ/OQ/PQ documents as per GMP/GLP along with operator manual.
19.	Warranty	Comprehensive warranty of at least for two years.
20.	Comprehensive AMC	Should quote three years of Comprehensive AMC charges after expiry of warranty period including all parts.
21.	Training of personnel	<ul style="list-style-type: none"> <li>Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation, free of cost.</li> <li>Basic training for a period of not less than one week after installation &amp; commissioning of the equipment to technical personnel and further whenever required, free of cost. Trouble shooting training as and when required free of cost.</li> </ul>

**Note: Compliance statement - Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.**

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## Export Inspection Agency-Mumbai

### 02. Technical Specification Homogenizer

S. No	Description	Specification
1	General	<ul style="list-style-type: none"><li>• It should be macerating and homogenising of a variety of high moisture, high-fat and fibrous samples such as meat, fish, fruit, vegetables, prepared foods frozen meals, etc.</li><li>• The Homogenisers allow frozen food samples to be homogenised in a short period of time, providing more accurate analyses of unstable constituents such as vitamins.</li><li>• A reproducible degree of homogenisation is achieved by the mixing action obtained by the angled knives.</li><li>• Homogenisation is accomplished through the high speed combined with a powerful cutting action.</li><li>• Angled knife blades produce a vertical flow within the batch and facilitate rapid and thorough homogenization</li><li>• Complete homogenisation is normally achieved in within 60 seconds.</li><li>• Easy to clean</li></ul>
2	Motor	Powerful 1500 rpm single phase motor
3	Bowl	It Should have 3.5 litre or better, stainless steel bowl.
4	Sample capacity	0.1 – 1.5 kg sample capacity (1.5 litre max) for homogenization
5	Mode	Pulse mode for frozen food applications
6	Blades	<ul style="list-style-type: none"><li>• Blades should be multi-purpose stainless steel micro teeth blades as standard</li><li>• Extra stainless steel bowls and smooth blade cutters should be provided</li></ul>
7	Safety	A magnetic safety switch should be available from being operated without the transparent cover in the locked position.
8	Power supply	230V/50Hz, single phase with inbuilt/external protection for high/low voltage.
9	Documentation	Supplier should be provide IQ/OQ/PQ documents as per GMP/GLP along with operator manual.
10	Warranty	Comprehensive warranty of at least for two years.
11	Comprehensive AMC	Should quote three years of Comprehensive AMC charges after expiry of warranty period including all parts.
12	Training of personnel	<ul style="list-style-type: none"><li>• Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation, free of cost.</li><li>• Basic training for a period of not less than one week after installation &amp; commissioning of the equipment to technical personnel and further whenever required, free of cost. Trouble shooting training as and when required free of cost.</li></ul>

**Note: Compliance statement - Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.**

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**Export Inspection Agency-Mumbai**

**03. Technical Specification of Water Purification System**

<p>Table top Water Purification System (Tap Water Feed) should be capable to produce Ultrapure Type I water to use in Liquid Chromatography, microbiology and Molecular biology with the help of pretreatment module, RO Module, DI Module, Storage tank, UV Oxidation Chamber, Polishing module and final membrane filter 0.22um. The system should contain inbuilt TOC Monitor with following features and specifications-</p>	
<b>01</b>	<p><b>- Pretreatment System should consists:</b></p> <ul style="list-style-type: none"><li>• 5 micron, 1 micron and Activated Carbon wrapped type depth filter</li><li>• Pressure gauge with regulator</li><li>• The unit should have automatic low/high pressure cutoff.</li></ul>
<b>02</b>	<p><b>Reverse Osmosis with Electro Deionization Stage:</b></p> <ul style="list-style-type: none"><li>• Pre-treatment cartridge with anto-scaling compounds, 0.5 micron filter and activated carbon or better.</li><li>• Prefilter combination to protect the RO Membranes life or better.</li><li>• RO Module with high performance thin film composite membrane with salt retention rate up to 98%. The retention rate for dissolved organic compounds, particles &amp; colloids &amp; bacteria exceeds 99%</li><li>• Deionization Module: Mixed bed resin module utilized for a reduction of the inlet conductivity. Used for inorganic applications.</li><li>• Conductivity measurement is to be done after RO, DI &amp; Polishing module to monitor the performance of Individual cartridge.</li><li>• Should have suitable back wash programme before every operation or better.</li></ul>
<b>03</b>	<p><b>Storage Tank:</b></p> <ul style="list-style-type: none"><li>• 30 L or better Storage Tank with UV Lamp, Air filter, CO2 Trap &amp; Level Sensor.</li><li>• The tank should made of pure water resistant Poly Ethylene material with an outlet to drain the tank totally and a pressure sensor for the tank level control.</li><li>• The storage tank should be 100% drainable.</li></ul>
<b>04</b>	<p><b>General Requirements :</b></p> <ul style="list-style-type: none"><li>• Online UV oxidation chamber: UV Light Energy at 185 nm &amp; 254 nm wavelengths.</li><li>• TOC Measurement: Online continuous TOC measurement with Live Display.</li><li>• Sterile Filter with 0.22 µm or better with Autoclavable option for re-use</li><li>• System should meet reagent water quality standards including ASTM Type 1, CLSI and ISO 3696 Type I</li><li>• System should have flexible remote dispenser to dispense water whenever needed</li><li>• System should have built-in automatic self-cleaning mechanism to extend the life of cartridge</li><li>• Automatic flushing and recirculation in standby mode to maintain consistent peak water purity</li><li>• User can collect RO Quality water from the Storage tank &amp; ultrapure water from flexible dispenser</li><li>• Should have cartridge change indicator</li><li>• The system should incorporate a fully comprehensive, graphic colour LCD display to provide system status, performance parameters, routine maintenance status and alarms of troubleshooting, tank level status and automatic warning for reordering</li></ul>

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	consumables and Provision for digital display to indicate status of operation, resistivity or conductivity, temperature and also alarm system in case of malfunctioning.
05	<b>Pure Water Specification: (Type-2)</b> <ul style="list-style-type: none"> <li>• Production Rate : 10 LPH or better</li> <li>• Conductivity : &lt;2µs/cm at 298K (25°C) or better</li> <li>• pH at 298K (25°C) =&gt; 6.6 or better</li> <li>• Total silica max 3ug/L or better</li> </ul>
06	<b>The Ultrapure Product Water should of the following specifications: (Type-1)</b> <ul style="list-style-type: none"> <li>• Flow Rate : 1.0 L/min or better</li> <li>• Should have conductivity @ 25 Deg C : 0.055 µs/cm or better</li> <li>• Should have resistivity @ 25 Deg C : 18.2 MΩ-cm or better</li> <li>• TOC : &lt; 1 ppb or better</li> <li>• Bacteria : &lt;1 cfu/ml or better</li> <li>• Particles &gt;0.1µm : &lt;1 per ml or better</li> <li>• pH at 298K (25°C) =&gt; 6.6 or Effectively neutral</li> </ul>
07	<b>Warranty-</b> <ul style="list-style-type: none"> <li>• Two years warranty from the date of installation and commissioning.</li> <li>• Three years CMC after warranty periods including spares, consumables and all other required accessories.</li> </ul>
08	<b>Other terms and Conditions-</b> <ul style="list-style-type: none"> <li>• Should be supplied with all other accessories required to put the system functional</li> <li>• IQ, OQ, PQ should be provided free of cost</li> <li>• Basic training for a period of not less than one week after installation &amp; commissioning of the equipment to technical personnel free of cost.</li> <li>• Trouble shooting training as and when required free of cost.</li> <li>• Power supply: 230V with 50 Hz</li> <li>• All electrical parts should have CE conformity and certification</li> </ul>
09	<b>Consumables :</b> <ul style="list-style-type: none"> <li>• Two set of all cartridge and Lamps</li> </ul>
10	<b>Payments Terms – As per tender document</b>
<b>Note: Compliance statement</b> <ol style="list-style-type: none"> <li>1. Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.</li> <li>2. All required consumables/accessories mentioned above will be supplied with each instrument.</li> <li>3. The supplier/vendor make a compliance statement mentioning the above points by adding additional column with supporting documents wherever required.</li> <li>4. One point contact for all system for AMC/CMC or any other requirement for service support.</li> </ol>	

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**04(a). Technical Specification Deep Freezer -80°C (For Storage of culture and reference)**

- Single door bench top deep freezer of temperature -80 deg c
- Should be Adjustable temperature set point with digital display of resolution 1 °C
- Should be Approx size 650 x 800 (mm) or better
- Should be All steel cabinet with epoxy finish
- Should be Industrial grade hermetically sealed refrigeration compressor
- Should be Ability to maintain the -80 deg c at ambient temperature
- Should be CFC free insulation or better
- Should be Heavy duty counterbalance lid with lock
- Should be Push button set point display
- Should be Thermal interior sublid or better
- Should be Key operated main power switch
- Should be Capacity min 100L or better
- Should be Integrated preset over temperature safety alarm with battery backup and audible warning of temperature deviation
- Should be CE certified is preferable
- Supplier should be capable to provide IQ/OQ/PQ documents.
- Should be reputed brand
- Three years CMC after warranty periods including spares, consumables and all other required accessories.
- **Warranty** : Two years warranty from the date of installation and commissioning

**Quantity required: 01 No.**

**Note: Compliance statement - Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.**

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04(b). Technical Specification Deep Freezer -20 °C

Vertical Deep Freezers (-20°C): For Storage of samples and reference.

- a) Vertical type with standard hinged door with double gasket seal
- b) Should be provided with single door
- c) Should have adjustable tray of minimum 4 nos.
- d) Should have 400-500 litres capacity.
- e) Should have Temperature of minimum -20°C
- f) Should have microprocessor control and digital display (LED/LCD) to monitor temperature with 1°C increments.
- g) Should have a digital control system with an accuracy of  $\pm 1$  degree Celsius
- h) Should be able to perform at an ambient temperature of 40°C
- i) Should be user friendly and should be CFC free refrigerant
- j) Should be provided with Insulation of Polyurethane foam
- k) Power supply of 230 $\pm$ 10 volts; 50Hz.
- l) Should have Fast freezing function.
- m) Should have SS304 internal material and powder coated steel externally.
- n) Should have RS 232 C interface for Monitoring and Controlling with PC.
- o) Should have Storage Function: Set Values of Temperature and timer.
- p) Should have corrosion resistant 304 stainless steel chamber and shelves.
- q) Should have heavy duty Castor wheels
- r) Should be CE & ISO 9001 marked/certified.
- s) Should be supplied with all related accessories such as cables and all other accessories required to put the system functional.
- t) Should be supplied with user/technical/maintenance manuals
- u) Supplier should be capable to provide IQ/OQ/PQ documents.
- v) Three years CMC after warranty periods including spares, consumables and all other required accessories.
- w) **Warranty** : Two years warranty from the date of installation and commissioning.

Quantity required: 01 No.

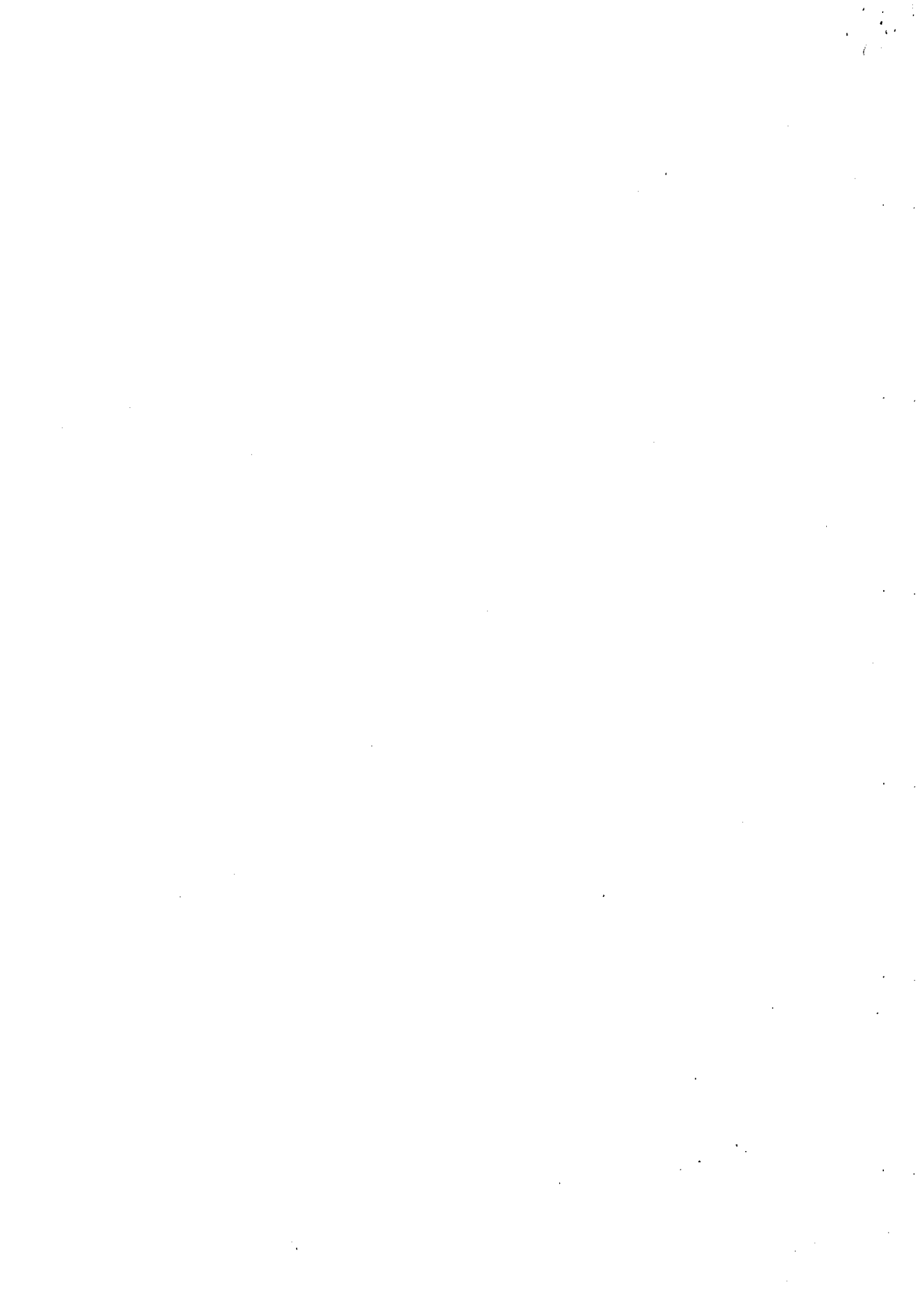
**Note: Compliance statement - Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.**

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**05. Technical Specification of Microwave Digestion System**

S. No	Description	Specification
1.	<b>General</b>	<ul style="list-style-type: none"><li>• A latest model of microwave digestion system should enable rapid digestion for different inorganic/organic samples like; Different types of FSSAI food and food products, Fish and Fishery products, tea, seasoning powder, biscuits etc.</li><li>• The instrument should have a superior pressure venting so as to prevent any loss of volatile metals and should have homogeneous microwave field to avoid sample burning.</li><li>• Microwave digestion system should have temperature and pressure monitoring system.</li><li>• The system should be software controlled. Different types of rotors available for the digestion of the different type of samples should also be quoted. Necessary consumables and maintenance parts should also be quoted to run instrument trouble free for five years of warranty period.</li></ul>
2.	<b>Instrument</b>	<p>The system should be a stand alone work station and should have:</p> <ul style="list-style-type: none"><li>• The System should have the feature of simply choose a method and it automatically recognizes the vessel type, counts the vessels and determines all of the parameters necessary for a fast, complete digestion.</li><li>• Should have provision that user can set the desired parameters for digestion.</li><li>• Should have Automatic Microwave power application depending on the load.</li><li>• Auto sensing of temperature and pressure inside the vessel.</li></ul>
3.	<b>Display</b>	<ul style="list-style-type: none"><li>• The Instrument should have the Large, high-resolution, full colour touch screen, acid resistant, LED/LCD screen should serve as controller and display</li><li>• Should be provided training videos for sample preparation, vessel assembly, system use, and maintenance.</li><li>• Should have Data management – Easy access to stored methods, real-time data and results of past runs.</li><li>• This should be able to display the detailed methods, graphs of temperature and power against time and temperature of individual vessels.</li></ul>
4.	<b>Interlocks</b>	<p>The system should have good interlocking system for safety and cavity door.</p>
5.	<b>Vessel System</b>	<ul style="list-style-type: none"><li>• The system should be high throughput which can hold atleast 12 high pressure vessels.</li><li>• The material of construction should be high purity TFM fluoro-polymer.</li><li>• Vessel volume should be about 50ml or more</li><li>• It should be operated for maximum temperature capacity of 250°C or more and maximum pressure of 35 Bar or more.</li><li>• The system should be provided with temperature sensor (Thermocouple type/ Fiber optics/IR Sensor) which will measure real temperature of the vessels and control it.</li><li>• The vessels should have automatic venting and re-sealing system in case there is excess pressure development –essential.</li></ul>

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		<ul style="list-style-type: none"> <li>• Above Digestion, vessels must be vent-able before uncapping the vessel for safety reasons. For ease of use, the vessels must not require the use of an energizing tool in order to reform seals prior to operation.</li> <li>• Additional twelve numbers of vessels as specified above should be supplied along with the system</li> </ul>
6.	<b>Microwave Power and output</b>	<ul style="list-style-type: none"> <li>• The Instrument should have single magnetron – 850 W or more of delivered energy, should provide the power needed for difficult samples and high-throughput vessel sets delivering unpulsed continuous power &amp; precisely tuned wave guide disperses microwave energy uniformly throughout the cavity – No need for motor driven diffusers or attenuators. System software must automatically adjust the power delivery based upon sample load and pre-programmed control settings. Automatic Power control Technology delivers maximum energy to the sample, ensuring complete digestions.</li> <li>• Controllable via microprocessor 230 V input, pulsed and unpulsed-essential 50 Hz, AC Operated.</li> </ul>
7.	<b>Uniform Energy Distribution</b>	The Instrument should have “waveguide” between the magnetron (the microwave energy source) and the cavity. This waveguide fed system should provide maximum tuned transfer of microwave energy from the magnetron to the load in the microwave cavity. Waveguide fed systems provide a uniform wave pattern inside the cavity in all planes. This should result in uniform heating of the sample load.
8.	<b>Microwave Cavity</b>	<ul style="list-style-type: none"> <li>• The microwave cavity should be heavy duty and have sufficient space to mount and dismount vessels individually and all parts inside the cavity should be totally microwave transparent.</li> <li>• The Cavity should be constructed with non magnetic Rugged, high-grade 316 solid steel cavity.</li> <li>• The vessel assembly during a run should be visible from outside.</li> <li>• The coating inside the cavity should be acid/ chemical resistant special polymer coating like fluoro-polymer / PTFE.</li> </ul>
9.	<b>Controls</b>	<p>The Instrument should have a) Reliable Temperature and b) Pressure controls independent of each other.</p> <p>(i) <b>Temperature</b>-Automatic temperature control system, temperature sensor (thermocouple) should be protected properly from any chemical attack, sensor should monitor and control all vessels simultaneously-essential.</p> <p>(ii) <b>Automatic Pressure control</b>-The System should have a pressure sensor which has a total capability of up to 500psi automatically control the pressure. It should be possible to remove the pressure device at a high pressure. The Vessels should act as self-regulators of pressure.</p>
10.	<b>Control Terminal</b>	<ul style="list-style-type: none"> <li>• The control terminal should have a high resolution LED/LCD Capacitive, Acid Resistant display Touch screen which should have method storage capacity. All the features should be in built in the software. Should have provision for manual programming storage apart from pre-installed programme essential.</li> <li>• Continuous display of temperature and power inside the reaction vessels is required.</li> </ul>
11.	<b>Safety</b>	<p>There has to be multiple levels of safety:</p> <p>There should be a safe mechanism to tackle the unused or reflected microwave energy.</p> <p>The instrument should be capable of shutting off in the event of the following:</p>

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		<p>i) If there is a very loud noise or bang in the instrument.</p> <p>ii) If the temperature of the vessel is near its highest tolerance limits</p>
12.	<b>Exhaust</b>	The system should have inbuilt exhaust system to cool the vessels and to drive away if any fumes in the cavity-essential. This powerful exhaust is more importantly a mechanism to ensure fast and efficient heat dissipation and allows twice Microwave irradiation.
13.	<b>ISO</b>	The manufacturer should be ISO 9001 certified for design and manufacture of microwave digestion system
14.	<b>Approvals</b>	<p>Instrument should have atleast any of the two of the following internationally accepted approvals for electrical and electronic safety and emission.</p> <p>European community : EN 55011, EN 50082-2, IEC 1010 – 1, EN 61010.2.081:2002 +A1:03, EN 61010-2-010/2003</p> <p>USA : ETL approved to UL standard 3101.</p> <p>Canada : ETL approved to CAN/CSA C22.2 No. 1010.1C</p> <p>Or any other internationally accepted highly reputed two approvals.</p>
15.	<b>PC &amp; Printer</b>	<ul style="list-style-type: none"> <li>• System should be able to operate without a PC but there should be a provision for operation through a PC with the required software (optional).</li> <li>• Should be onboard Printer to print the Graphs, Parameters and Methods.</li> <li>• Should have the improved connectivity to Connect to multiple peripherals such as keyboards, printers, or computers. Should have the min Available ports: 5 USB, 1 USB-B port, 1 RS- 232 and 2 Ethernet.</li> </ul>
16.	<b>UPS</b>	Highly reputed branded 5KV online UPS with minimum one hour back up. The above includes necessary UPS electrical work, from UPS to the instrument also should be done by the supplier at the laboratory with necessary requirements.
17.	<b>Warranty</b>	Comprehensive onsite warranty including instrument parts, UPS and labour for 5 years including magnetron after successful installation of the system should be provided.
18.	<b>Training of personnel</b>	<ul style="list-style-type: none"> <li>• Basic training for a period of not less than two weeks after installation &amp; commissioning of the equipment to technical personnel and further for method development whenever required, free of cost.</li> <li>• Trouble shooting training as and when required free of cost.</li> <li>• Demonstration and preliminary training on operation and maintenance of the equipment at our site at the time of installation, free of cost.</li> </ul>
19.	<b>Spare parts and Consumables</b>	<ul style="list-style-type: none"> <li>• The supplier should quote all essential spares and consumable kit and peripherals, which are not covered under comprehensive warranty for basic instrument and in the opinion of the bidder, is essential for ensuring trouble free performance for the quoted system and supporting units for three years. Bidder should ensure that spare parts will be supplied for same model for next eight years from the date of installation.</li> <li>• Should be supplied reputed branded electronic pipettes 10-1000 uL: 2 No (4 digits) and 1-5 mL pipette 2 Nos. each for sample preparation</li> <li>• Should be supplied reputed Branded Acid Dispenser 5-50 mL capacity or better: 2 Nos. for sample preparation</li> </ul>
20.	<b>Instrument Performance Verification/IPV</b>	<ul style="list-style-type: none"> <li>• To be done free of cost with necessary PM kits of first 5 years (at installation &amp; at every maintenance visit).</li> <li>• Documents &amp; PM Kits etc as required to be supply along with instrument. OQ/IPV should be done free of cost during</li> </ul>

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	(IQ,PQ)	warranty period. <ul style="list-style-type: none"> <li>The instrument supplier has to demonstrate on site validation as per the laboratory/regulatory requirements/ protocols at least for sample digestion methods of different type of samples satisfactorily, as selected/ preferred by the laboratory.</li> </ul>
21.	<b>Comprehensive AMC</b>	Should quote three years of Comprehensive AMC charges after expiry of warranty period.
22.	<b>Service Track</b>	Bidder should have minimum five years of good service record for instrument supplied in India of quoted company. Necessary document should be submitted to show good service record.
23.	<b>Users availability</b>	Vendor should enclose full list of users in India.
<p><b>Note: Compliance Statement</b></p> <ol style="list-style-type: none"> <li>Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.</li> <li>All required consumables/accessories mentioned above will be supplied with each instrument.</li> <li>The supplier/vendor make a compliance statement mentioning the above points by adding additional column with supporting documents wherever required.</li> <li>One point contact for all system for AMC/CMC or any other requirement for service support.</li> </ol>		

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**06. Technical Specification of Nitrogen Generator for LC-MS/MS**

- a) With Touch screen display which monitors operational status and report alarms and functioning parameters.
- b) Nebulizer and Drying gas Flow rate 30-40L/min and delivery pressure 6.8-7 bar with >99% purity
- c) Collision Cell Nitrogen flow rate 200 ml/min and delivery pressure 98.6-100 psi with >99.9999% purity.
- d) Ambient Temperature range 5-30°C
- e) With built In full oil free compressors and minimum life of 2 years keeping into consideration 24 X 7 X 365 operational
- f) With sound proofing (less noise level) and anti-vibration measures.
- g) The Inlet air quality should be clean dry compressed air.
- h) Dimension 20-24inchW x 29-33inchDx 27-28inchH
- i) Should have heavy duty Castor wheels (Optional)
- j) Should be CE & ISO 9001 marked/certified.
- k) Should be supplied with all related accessories such as cables and all other accessories required to put the system functional.
- l) Should be supplied with user/technical/maintenance manuals
- m) Supplier should be capable to provide IQ/OQ/PQ documents.
- n) Three years CMC after warranty periods including spares, consumables and all other required accessories.
- o) **Warranty** : Two years warranty from the date of installation and commissioning.

Quantity required: 1 No.

**Note: Compliance statement - Bidder should refer above table of specifications and while quoting, additional column should be added to endorse compliance/non-compliance statement of each point and additional features if any with part numbers and submit, if fails the quote will be summarily rejected.**

P. N.  
18/11/2015

E. S. M.  
18/11/15

U. K. Wadkar  
18/11/15

S. S. S.  
18/11/15



