



EXPORT INSPECTION AGENCY-CHENNAI
(Ministry of Commerce & Industry, Govt. of India)
6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road
Egmore, Chennai-600008

Tel: +91-044-28552841/42
Fax: +91-044-28552840

E-mail: eia-chennaiadmin@eicindia.gov.in
Web site: www.eicindia.gov.in

Notice Inviting Tender

Sealed Tenders are invited for supply/installation/commissioning of Laboratory equipments/items as detailed below for Laboratories of Export Inspection Agency-Chennai, at Chennai (Tamilnadu) Nellore & Vishakhapatnam (A.Pradesh)

Tender Enquiry No	Sl.No	Description	Quantity	EMD per equipment Rs.
EIA:CH:TENDER:08:2013-14	1.	Horizontal Shaker	One	15,000
EIA:CH:TENDER:09:2013-14	2.	Deep freezer (-20°C) 400 Lit vertical (one under buyback)	Two	7,500
EIA:CH:TENDER:10:2013-14	3.	Deep freezer (-80°C) 25-100 Lit capacity	One,	5000
EIA:CH:TENDER:13:2013-14	4.	Muffle Furnace (Under buy back offer)	One	10,000
EIA:CH:TENDER:18:2013-14	5.	Deep Freezer (Horizontal)	Three	1,500
EIA:CH:TENDER:20:2013-14	6.	Electronic balance with table top precision	Two	5,000
EIA:CH:TENDER:21:2013-14	7.	Electronic balance table top open pan balance	Two	2,500
EIA:CH:TENDER:23:2013-14	8.	pH meter	One	2,500
EIA:CH:TENDER:25:2013-14	9.	Water bath	Five	2,000
EIA:CH:TENDER:28:2013-14	10.	Stereo binocular microscope	One	2,500
EIA:CH:TENDER:29:2013-14	11.	Colony counter	One	1,000

The tender document containing, specifications, terms & conditions and instructions etc are enclosed which may be downloaded and duly filled in tenders submitted with prescribed EMD for each equipment & Tender document fee.

Firms who have responded to our earlier tender notice for the above items need not apply again.

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-Chennai addressed to the Deputy Director in-charge,, Export Inspection Agency-Chennai, 6th Floor, CMDA Tower II, No.1, Gandhi Irwin Road, Egmore, Chennai-600008, shall be submitted on or before 03-02-2014 up to 14.00 hrs. The tenders so received shall be opened on the same day at 16.00 hrs. at the same address. The tenders received without cost for tender document and EMD shall be deemed to have been rejected.. The Deputy Director in-charge EIA-Chennai reserves the right to accept or reject any offer in whole or in part without assigning any reason thereof.

Deputy Director (Non-Tech),
EIA-Chennai

EXPORT INSPECTION AGENCY-CHENNAI
(Ministry of Commerce & Industry, Govt. of India)
6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road
Egmore, Chennai-600008

Tender Enquiry

LABORATORY EQUIPMENTS/ITEMS FOR EXPORT INSPECTION AGENCY- CHENNAI

TERMS & CONDITIONS AND INSTRUCTIONS TO TENDERERS

1.. INVITATION

Export Inspection Agency-Chennai (referred to as "the purchaser") invites Sealed Tenders (Two Bids system, ("Technical Bid" & "Financial Bid") for supply, installation & commissioning of various Laboratory equipments/items as per specification and quantity mentioned in Annexure with all connected accessories needed for it's functioning for EIA-Chennai Laboratory, at 6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road, Egmore, Chennai-600008 and also to our Laboratories at Export Inspection Agency-Chennai, Sub-Office:Visakhapatnam,No.43-18-26, Venkatarajunagar, 2nd floor, Visakhapatnam-2747 141 Andhra Pradesh & Nellore ,Andhra Pradesh.

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-Chennai. The tenders received without cost for tender document and EMD shall be deemed to have been rejected. Old Equipments/ items under BUY BACK OFFER mentioned in the tender notice may be inspected at the respective office premises on any working day between 11.00 hrs. to 14.00hrs within 13th -31st January,2014. Only interested bidders to honour the buy back offer alone can submit the bid for the respective equipments. Part bid for supply of equipments/ items to a particular place will not be entertained. Bids for each item for all the places of supply wherever applicable shall alone be entertained. The Deputy Director in-charge EIA-Chennai 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 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.

4 DELIVERY PERIOD

Delivery period should be within 30 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.

9. **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 Centers nearest to Kochi should be mentioned

10. **PRICE**

a) Price quoted for equipments/items should be for delivery F.O.R. Export Inspection Agency – Chennai Laboratory, 6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road ,Egmore, Chennai-600008, Export Inspection Agency-Chennai, Sub-Office:Visakhapatnam, No.43-18-26, Venkatarajunagar, 2nd floor, Visakhapatnam-2747 141 Andhra Pradesh and Nellore (Andhra Pradesh) inclusive of all charges such as packing, forwarding, transit insurance, transportation including delivery at the address mentioned in our bid.

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

11. **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.

12. **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 and 30% satisfactory installation/ commissioning, , validating the equipment as applicable and imparting training to our officials wherever applicable.

13 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-Chennai payable at Chennai EMD shall be refunded to the unsuccessful bidder on finalization of tenders.

14. MODE OF SUBMISSION OF TENDERS

- A. All tenders shall be submitted on the letter-head of the tendering firm in English or in Hindi giving clearly the following information:
- (i) Name of the equipments for which the offer is made.
 - (ii) The Technical Bid and Financial Bid for each items shall be furnished separately in a sealed cover with clear superscription
 - (iii) Details of the equipments offered with its technical specifications along with brochures, leaflets/operational manual, application notes, etc. as applicable.
 - (iv) Individual Tender shall be submitted for each equipments / items against each tender enquiry number.
 - (v) Each Tender enquiry shall accompany the necessary forms in the annexure attached herewith duly filled in without any ambiguity.
 - (vi) Items/Equipments at Sl.Nos. 2 & 4 are compulsorily under buy back offer. Rate for the old equipment shall be furnished separately.
 - (vii) Rate per unit.
 - (viii) Delivery period
 - (ix) Authorization/Recognition/Agent document from parent company to be enclosed
 - (x) Other details/documents as mentioned elsewhere in the terms and conditions.
 - (xi) The tender should be submitted item / Sl.No. wise as per Annexure duly signed.
 - (xii) The tender should furnish full details of customers to whom they have supplied the similar equipments.
 - (xiii) The tender should furnish the offer in separate/individual pages for each individual item.
 - (xiv) The tender should also furnish Earnest Money Deposit (EMD) wherever applicable as per clause 13 of the terms and conditions.
 - (xv) Proprietary Certificate and Authorization letter to be furnished, wherever applicable

- B. 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. The Envelope should be addressed to The Joint Director, Export Inspection Agency – Chennai, 6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road,, Egmore, Chennai-600008.
- C. 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..
- D. 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.-4-
- E. 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.03-02-2014 (14.00 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.
- F. The Tender shall be opened on i.e. on 03-02-2014- at 16.00 hours in the Conference Room of Export Inspection Agency – Chennai, 6th Floor, CMDA Tower-II; No. 1, Gandhi Irwin Road, Egmore, Chennai-600008 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.

15 **PERFORMANCE GUARANTY /BANK GUARENTRY/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 guaranty in the prescribed format or furnish a demand draft of equivalent amount drawn in favour of Export Inspection Agency-Chennai, payable at Chennai for a sum as detailed below :

Performance Guarantee - 5% of the basic price of the equipment with value less than 5 lakhs
10% of the basic price of the equipment with value more than 5 lakhs

16. **RIGHT OF ACCEPTANCE OF OFFER**

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

17 **JURISDICTION**

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

Form # 1
Bid Form

Date:

To,
Export Inspection Agency - Chennai
6th Floor, CMDA Tower II,
No: 1 Gandhi Irwin Road, Egmore,
Chennai - 600 008

Subject: Tender No: EIA / CH / 2013-14 / - Supply of Equipment for Laboratory of
Export Inspection Agency - Chennai

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.
- 2.

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 Attachments 1 through [*specify: the number of attachments*] 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.

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*]

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 - Chennai (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.
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

Form # 3

Tender No: EIA / CH / 2013-14 / - Supply of Equipment for Laboratory of Export
Inspection Agency - Chennai

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 Chennai	
* 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 Chennai	
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 _____

Form # 4

PRICE SCHEDULE

**PRICE BID FOR SUPPLY OF EQUIPMENT FOR LABORATORY OF EXPORT
INSPECTION AGENCY - CHENNAI**

Date: _____

To,
Export Inspection Agency - Chennai
6th Floor, CMDA Tower II,
No: 1 Gandhi Irwin Road, Egmore,
Chennai - 600 008.

Subject: Tender No: EIA / CH / 2013-14 / - Supply of Equipment for Laboratory of Export
Inspection Agency - Chennai

Dear Sir,

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

- 1.
- 2.

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 _____

Schedule 2

Tender No: EIA / CH / 2013-14 / - Supply of Equipment for Laboratory of Export
Inspection Agency - Chennai

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.

Schedule 3

Tender No: EIA / CH / 2013-14/- - Supply of Equipment for Laboratory of Export Inspection Agency - Chennai

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 _____

FORM # 5

Tender No: EIA / CH / 2013-14 / - Supply of Equipment for Laboratory of Export
Inspection Agency - Chennai

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 _____

Form # 6

Particulars of Authorization

To,

Export Inspection Agency - Chennai
6th Floor, CMDA Tower II,
No: 1 Gandhi Irwin Road,
Egmore,
Chennai - 600 008

Subject: Tender No: EIA / CH / 2013-1/ - Supply of Equipment for Laboratory of
Export Inspection Agency - Chennai

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:

Export Inspection Agency – Chennai
Specifications for the Equipments/Items for Nellore & Vizag)

SL.No	Name of the Instruments/Equipment	Qty required	Instruments Technical Specification
1	Deep Freezer	03 Nellore - 2 Vizag – 1	<ul style="list-style-type: none"> a. Should have Temperature range of -20°C Horizontal Deep Freezer b. Should have Accuracy ±2°C c. Should have microprocessor based digital temperature controlled system d. Should be 1050 (W) X 650 (D) X 880 (H) – External e. Installation/performance shall be carryout at site f. Shelves/ Baskets : 2 Nos g. CE & ISO certified preferable h. Minimum 2 years warranty. i. Common market brand like Voltas, Bluestar, Carrier etc. also be preferable.
2	Electronic Balance	02 Nellore - 1 Vizag – 1	<p>The balance shall be meet with following specification</p> <ul style="list-style-type: none"> 1. Capacity : 0.1 g to 1000 gms (Mettler type & bench top) 2. Resolution : 0.1g with single pan with digital display 3. Calibration (Internal) : balance shall be provided with calibration certificate having traceability to National or International standard 4. Vibration control pads also provided 5. Operation manual & maintenance manual shall be provided 6. CE & ISO certified preferable 7. IQ/OQ/PQ shall be provided 8. Minimum 2 years warranty
3	Electronic Balance	02 Nellore - 1 Vizag – 1	<p>The balance shall be meet with following specification</p> <ul style="list-style-type: none"> 1. Capacity : 0.1 g to 100 gms (Mettler type & bench top) 2. Resolution : 0.01mg with single pan with digital display 3. Calibration (Internal) : balance shall be provided with calibration certificate having traceability to National or International standard 4. IQ/OQ/PQ documents shall be provided. 5. Vibration control pads also provided 6. Operation manual & maintenance manual shall be provided 7. CE & ISO certified preferable 8. Minimum 2 years warranty

4	Water Bath	05 Nellore - 2 Vizag - 3	<p>a. Capacity : ~12 lts with internal water circular facility with SS stirring shaft for maintaining uniform temperature throughout.</p> <p>b. Temperature display : 0°C – 100°C</p> <p>c. Temperature uniformity : ±0.2 or better</p> <p>d. Temperature accuracy : ±0.1 or better and resolution 0.1° C</p> <p>e. Size : 1.5 x 12.5 x 6 in</p> <p>f. Digital microprocessor based Temperature controller with indicator.</p> <p>g. Operation manual & maintenance manual shall be provided</p> <p>h. Minimum 2 years warranty</p> <p>i. Body stainless steel (both external & internal)</p> <p>j. Certificate of calibration of temperature with NABL traceability</p> <p>k. CE & ISO certified preferable</p> <p>l. Pyramid type of lid.</p>
5	pH meter	01 Nellore - 1	<p>Portable, bench top, temperature compensational, digital display with suitable electrodes, resolution 0.01, measuring parameters-pH/mV/°C, printer option.</p> <p>Warranty minimum 2 years</p> <p>IQ/PQ/OO should be at site.</p>
6	Stereo Binocular microscope	01 Nellore - 1	<p>Binocular, light emitting stereoscopic microscope.</p> <p>Microscope should have minimum Zoom ratio 7.7:1 with basic magnification continuously variable between 6.5x to 50x; The system should be capable for higher magnification of up to 100x</p> <p>Wide Flat field of view of aspheric Plan achromatic eyepieces of 10x with minimum field of view F.O.V 21mm, focusable for individual diopter settings; Interpupillary distance should be variable from 55mm to 75mm; Working distance 92mm; Built-in powerful LED illumination for transmitted light and incident light; Microscopy for transparent samples as well as opaque samples to be observed; Light control by push button and fast changeover between transmitted light; incident light and combined light.</p> <p>Warranty minimum 2 years</p>
7	Colony counter	01 Nellore - 1	<p>Digital colony counter with buzzer & pen</p> <p>CE & ISO certified preferable</p> <p>Warranty minimum one year.</p>

EXPORT INSPECTION AGENCY-CHENNAI LABORATORY

Technical Specifications for Horizontal Shaker (One No.)

- Portable Bench top high capacity laboratory shaker with digital display for rotation of tubes
- Rotating bar for tube diameter: 10-30 mm or better
- Speed range: 0-50 rpm or better
- Capacity: 10 x 50 ml tubes or better
- Speed display: digital
- Time setting range min: 1 – 56 or better
- Electrical : 100-230V, 50-60 Hz
- Accessories: Necessary attachments for exchanging of rotating bar for quick and easy operation.
- Warranty: Minimum Two years onsite warranty

***For EIA-Chennai, Laboratory**

EXPORT INSPECTION AGENCY-CHENNAI LABORATORY

Technical Specifications for -20 deg C Deep Freezer (2 Nos)

- **Vertical double door** Deep freezer 325 - 365L capacity with a minimum temperature - 20°C to - 30°C at 30 to 35°C ambient
- Lockable full height doors, heavy duty Castor wheels for easy movement
- Microprocessor controlled with LED Display for controlling and monitoring.
- Resolution: 0.1 deg C or better
- 100% HCFC/CFC free refrigerant, frost free.
- Insulation of non CFC material
- Inner liner material should be made of stainless steel and cabinet material should be varnish steel
- No. of trays: Atleast 4 in each compartments
- Noise level less than 55 db
- Double walled maindoor, double gasket system for Leak proof
- Advanced Battery backup digital display for alarms and temperature in event of power cut
- Supplied with appropriate voltage stabilizer (if necessary)
- Safety: Visual and acoustic alarm, Powe failure alarm, High/low temperature alarm, probe failure Instrument failure alarm
- Minimum Two years onsite warranty is necessary
- Validation protocol with IQ, OQ, PQ Documentation.
- CE certified is preferable
- Common brand available in market like Voltas, Blue star, Carrier also be prefered

***For EIA-Chennai, Laboratory [one under buy back]**

EXPORT INSPECTION AGENCY-CHENNAI LABORATORY

Technical Specifications for Deep freezer (-80°C) (One No.)

- Single door bench top deep freezer of temperature -80 deg c
- Adjustable temperature set point with digital display of resolution 1 deg c
- Approx size 650 x 800 (mm)
- All steel cabinet with epoxy finish
- Industrial grade hermetically sealed refrigeration compressor
- Ability to maintain the -80 deg c at ambient temperature
- CFC free insulation
- Heavy duty counterbalance lid with lock
- Push button set point display
- Thermal interior sublid
- Key operated main power switch
- Capacity 25L to 100L
- Integrated preset over temperature safety alarm with battery backup and audible warning of temperature deviation
- Minimum two years warranty
- CE certified is preferable
- Common brand available in market like Voltas, Blue star, Carrier also be preferred

***For EIA-Chennai, Laboratory**

EXPORT INSPECTION AGENCY-CHENNAI LABORATORY

Technical Specifications for Muffle Furnance (one no.)

- Bench top, rectangular model Digital temperature controller and indicator, Double shell steel case with cooling fan to keep outside case
- Internal Dimensions of the furnace
- (Depth × Width × Height) in mm : 300×200×200 (Minimum) or better
- Working Temperature : 1200 deg C or better
- Temperature Accuracy : ±2 deg C or better
- Temperature Control : Through microprocessor based PID controller
- Furnace Insulation : Ceramic wool
- Temperature settings & Display : Digital and double display
- Power source : 220 V, 50Hz single phase
- Outer body and inner body : Stainless Steel
- Accessories required :
 - a. Stainless Steel Tongs (15-20 Inch)- 02 No
 - b. Furnace gloves-02 Pairs
 - c. Crucible Clip - 1 pair
 - d. Crucibles- 6 pcs
- Minimum Two years onsite warranty is necessary
- Validation protocol with IQ, OQ, PQ Documentation.

***For EIA-Chennai, Laboratory [Under buy back]**