

**DIRECTOR OF RESEARCH,
S. D. AGRICULTURAL UNIVERSITY
S.K. NAGAR – 385506**

Tender Notice No.SDAU-DOR-PUR-05-B/2018-19

Online Tenders, as per the schedule given below, are invited from reputed manufacturer / authorized dealers/ distributors **for supply of Laboratory and Farm Instruments /Apparatus /Equipment etc.**

Separate Tender forms are to be filled in for each item (As the case may be). A set of all the required documents should be submitted separately otherwise tender will be disqualified.

Tender Notice No.SDAU-DOR-PUR-05-B/2018-19 on the website <https://au.nprocure.com> or www.nprocure.com may be referred for the Tender Form, detailed terms & conditions etc.

APPROXIMATE TENDER VALUE

- A. Part-I (Magnetic stirrer with Hot plate and Autoclave): Approximate Tender Value ₹ 15,00,000/-
- B. Part-II (Laboratory Equipment/Instruments) : Approximate Tender Value ₹ 11,00,000/-
- C. Part-III (Microscope, etc.) : Approximate Tender Value ₹ 13,00,000/-

1.	Downloading and online submission of the tender documents	Till. 15.02.2019 up to 17:00hrs
2.	Physical submission of Tender Fee, EMD, Manufacturer/ Authorized Dealership Certificate and relevant documents in Separate cover in the office of the Dean, G.N. Patel College of Dairy Technology, S. D. Agricultural University, Sardarkrushinagar, Dist.- Banaskantha., Gujarat-385506 by Registered Post. / Speed Post / Courier only.	Till. 22.02.2019 up to 17:00hrs
3.	Opening of Primary Bid (Tender Form Fee and EMD Cover) (Physically Received)	23.02.2019 10:00 hrs onwards
4.	Opening of Technical Bid (online)	25.02.2019 10:00 hrs onwards
5.	Opening of Commercial Bid (online)	02.03.2019 10:00 hrs onwards

Date: 25/01/2019

Director of Research

NOTE:

For each part (Part A to D) of the tender, interested Party/company/firm/dealers/ distributors has to deposit the tender form fee of ₹ 1500/- (Rupees Two thousand five hundred Only) and the EMD @ 3% in INR of the approximate value of concern part of the tender **separately**.

**DIRECTOR OF RESEARCH,
S. D. AGRICULTURAL UNIVERSITY
S.K. NAGAR – 385506**

Tender Notice No.SDAU/DOR-PUR-05-B/2018-19,

Date: 25-01-2019

TENDER BRIEF

Online Tenders are invited from reputed manufacturer / authorized dealers/distributors **for supply of Laboratory/Farm Instruments/Apparatus/ Equipment etc.** as mentioned specifically in the tender details.

INSTRUCTION TO BIDDERS FOR ONLINE TENDER PARTICIPATION

1. The tender documents can be downloaded from the website <https://au.nprocure.com>
2. The bids should be submitted online visiting website <https://au.nprocure.com>
3. The bids should be digitally signed. The details regarding digital signature certificate and related training involved will be available on the below mentioned address:
(n)Code Solutions, (A division of GNFC)
301, GNFC Infotower,
Bodakdev, Ahmedabad-
380 054 (India) Tel : +91
79 26857316/17/18 Fax:
+91 79 26857321. www.ncodesolutions.com
4. The tenderer can get a copy of instructions for online participation from the website <https://au.nprocure.com>
5. The tenderer should get registration, if required on the website through the link “New Supplier” provided at the home page. The registration on the site should not be taken as registration or empanelment or any other form of registration with the tendering authority.
6. The application for training and issue of digital signature certificates should be made at least 72 hours in advance to the due date and time of tender submission.
7. All the queries regarding use of digital signature certificate should be addressed to personnel in (n) Code Solutions, Ahmedabad.
8. All the queries regarding tender specifications and any other clauses included in tender document should be addressed to personnel in tendering office at the address provided below:

Contact Details:

**Director of Research
Sardarkrushinagar Dantiwada
Agricultural University
Sardarkrushinagar, Gujarat-385 506.
Telefax: 02748-278889
email:dpp@sdau.edu.in**

GENERAL CONDITIONS OTHER THEN INVITATION TO TENDER AND INSTRUCTIONS TO TENDERER (ITIT)

1. Nature of requirements:

- A. Part-I (Magnetic stirrer with Hot plate and Autoclave)
- B. Part-II (Laboratory Equipment/Instruments)
- C. Part-III (Microscope, etc.)

Note:- Separate Tender forms are to be filled in compulsorily for each item. Attach manufacturers product catalogue along with all documents separately otherwise tender will be disqualified.

The **Tender Form fee ₹ 1500/-**(Rupees one thousand five hundred Only) for each part of the tender and **Earnest Money Deposit (EMD) @ 3 (three) per cent in INR of total value of concern part** of the tender will be applicable for each company price list. The E.M.D. of qualified tenderer will be released after completion of the complaint free Guarantee period.

A **security deposit @ 5 (Five) per cent in INR** for the total cost of the consignment to be ordered (where as applicable), has to be deposited to the ordering office in form of **Demand Draft in favour of SDAU Fund Account** drawn on State Bank of India, payable at Dantiwada-2760. The security deposit will be released by the ordering office after completion of the complaint free Guarantee period.

Tenderer interested for representing and quoting more than one company price list should fill in separate tender forms and enclose the required documents separately otherwise tender will be disqualified.

2 The Sardarkrushinagar Dantiwada Agricultural University (SDAU) shall in first instance prefer to deal with manufacturer. However, the manufacturer may effect delivery through its dealer/ distributor mentioned in tender form, if desired.

3 Authorized dealers/ distributors can quote their rates provided they attach a valid longevity certificate (must not be expired before March, 2019) of authorized dealership issued from the Manufacturer/Principal Company.

4 PRIMARY BID (TENDER FEE AND EMD COVER)

The primary bid should contain Tender Fee and Earnest Money Deposit (EMD) in form of separate demand drafts as mentioned in Tender Form (TF). **It may please be noted that Tender form without Tender fee and/or EMD will not be considered.**

5 TECHNICAL BID

The Technical Bid should contain copy of Tender Form (TF) including ITIT along with self attested copies of CST/GST Registration Certificate, latest company printed price list/catalogue and other relevant documents as per check list **(except Commercial Bid document)**. Please note that scan copy of any document uploaded by the tenderer must tally with physical submission of original. Further:

- (a) The envelope should be marked as "**Technical Supporting Documents (Technical Bid)**". It should be noted that technical bid is to be submitted online as well as physically.
- (b) If the bidder fails to submit the supporting documents physically within time limit, the bidder may be disqualified.

- (c) The online bids should be submitted on or before the time stipulated in Tender notice at the website <https://au.nprocure.com>
- (d) Technical bids should be separated for each company price list. All documents along with General conditions and ITIT must be filled separately otherwise tender will be disqualified.

6. **COMMERCIAL BID**

- (a) The Commercial Bid should contain rates/price of items with and without taxes, with a mention of discount percentage, if desired along with Tax Declaration Certificate duly filled in and signed.
- (b) Sardarkrushinagar Dantiwada Agricultural University is entitled for exemption of Customs Duty as per Government Notification No.51/96- Customs dated 23rd July 1996 and Central Excise Duty exemption as per Government Notification No.10/97-Central Excise dated 1st March 1997. Therefore, the rates may be quoted considering the exemption of custom duty and central excise.
- (c) **FOR delivery should be inclusive of insurance charges.** However, any tax (Central Sales Tax, Excise duty, CST/GST etc) prevailing as per the latest government rules & regulations should be mentioned separately on the items quoted.

In case the bidder fails to provide such separate details in its bids, offers will be considered as inclusive of all taxes. Any tax(s) applicable against form P to be mentioned separately. If the bidder is exempted from payment of any tax(s), then it shall have to mention it in the Commercial Bid with necessary evidences, otherwise offer will be treated as inclusive of all taxes.

- (d) The Commercial Bid should be submitted on or before the time stipulated in tender notice **online** only on the website <https://au.nprocure.com>

7. **VALIDITY OF TENDER**

The rate quoted shall initially be valid up to **31st March, 2019**. However, it may be extended by the university.

8. **DELIVERY PERIOD**

The maximum delivery period will be six weeks from the date of order in case of ordinary purchases and two weeks in case of the emergency/urgent purchase

9. **PAYMENT**

No advance payment shall be made. The final payment shall be made by respective ordering offices after satisfactory receipt of goods/installation and training of staff, wherever applicable.

10. **AUTHORISATION**

If the Tenderer is not a manufacturer, he should submit a letter from the manufacturer authorizing him to submit quotation on his behalf or attested copy of authorized dealership (must not be expired before March, 2019). Authority letter whenever submitted should be in original on letter head of the manufacturer with necessary seal and signature. Failing which the tender may be rejected.

The manufacturer should preferably have track record of supply for at least last two years to any Govt. Department / Educational / Agricultural University in the country (Attach relevant list or certificate pertains to client satisfaction in this regard).

11. **INSPECTION**

- (a) The place of inspection be mentioned clearly in the bid, failing which the offer may be rejected and no correspondence will be entertained after opening of the tender.
- (b) SDAU Indenter/consignee or authorized representative may do inspection, if needed.

- (c) Inspection charges shall be inclusive of traveling expenses and daily allowances of the inspecting staff. Hence, inspection fees shall be charged as per actual expenditure by the inspection staff or the actual amount worked out on the basis of percentages, whichever is less. Similarly, testing charges may also be charged as per actual amount to be worked out on the basis of above percentages whichever is less.

12. TERMS OF SUPPLY

- (a) The packing and the labels of all the items, to be supplied under the order, should be well labeled. If the items are packed in packets which are then placed or repacked within a box/carton/bottle/foil, these details shall be printed/ marked on both the internal/external packs and labels. The retail price must not be printed or shown anywhere either on external or internal pack/ box/carton/foil.
- (b) The **Accepted Tender (A.T.) / Rate Contract (R.C.)** holder should have to supply the material in the original company's packing which shall indicate packing details and other particulars as required under the statutory provisions. Inner and outer packing of boxes / cartons should be of standard design. The final packing of cartons of corrugated boxes shall be complying with ISS 9313: 1979 of November, 1980. Corrugated boxes having double wall 5 ply with maximum combined length 1275 mm or triple wall 7 ply with maximum combined length 1275 mm or triple wall 7 ply with maximum combined length 1525 mm shall contain maximum gross contents 15 kg & 20 kg, respectively. A packing slip of 10" x 8" shall indicate clearly and legibly the name of the product, batch number, quantity, date of manufacture, date of expiry gross & net weight, and consignees name & address and other particulars as required.
- (c) In the event of breakages or loss of stores during transit against requisition order the said quantity will have to be replaced by the A.T. / R.C. holder. The purchaser will not pay separately for transit insurance and the supplier will be responsible for the intact supply as soon as possible but not later than 15 days from the date of arrival of stores at destinations.

13. OTHER CONDITIONS

- a) The conditional offer is liable to be rejected.
- b) The statutory price increase clause.
- i. The Tenderer who wants to avail the benefit of statutory price increase, clause should clearly mention in the tender accordingly. In absence of such a specific statement no claim for the same will be entertained.
 - ii. The Tenderer who want to avail the benefit of statutory price variation clause should also clearly mention the break-up of the net price of the store and the amount of taxes separately in tender. The increase in the price of store due to variation in taxes at the time of supply is not considerable.
 - iii. No variation in price shall be allowed in case the goods are offered ex-godown.
 - iv. The increase in price would also not be permissible where delivery period is within one month of the date of statutory increase.
- c) No tender will be accepted after prescribed closing time for submission of the same. The delay will not be condoned for any reason whatsoever including postal / transit delay. However, if the last date of submission of tenders is declared as a holiday by the Government, the last date of submission of tenders will be considered as extended to the next working day.
- d) The tenderer should read this document and the instructions / terms / conditions therein very carefully. Any tenderer who does not confirm with the instruction / terms / conditions herein is liable to be rejected without any reference.
- e) No modification should be done by the tenderer in the name of item, and in the specifications grade / quality / packing of the item given in the enquiry document.

- f) If tenderers quoted prices for any other institution/university/ government organization found less than our university/institution or discount to any other institution/university/government organization found more than our university/ institution, the rate contract will be cancelled and the firm will be put in blacklist.
- g) The Accepted Tender (A.T.) holder / Rate Contract (R.C.) holder should supply the, equipments/ items in fresh and sound condition meeting with the specification and packing approved. Refurbished or second-hand equipment / instruments will not be allowed under any circumstances. If such case is noticed, than the store will be rejected out rightly and penal action will be taken against the A.T./R.C. holder.
- h) All supply orders issued by the indenting officers on or before the last date of the expiry of the R.C. will have to be accepted by the R.C. holder and the delivery for all such orders will have to be effected as per the schedule specified in the order, even though the date of actual supply may fall beyond the last date of the R.C.
- i) In case of any disputes, the decision of the SDAU in this regard shall be final and binding.

CERTIFICATE

I/We.....
(Name of the Tenderer/Proprietor/Partner /Director) hereby undertake to supply laboratory instruments/equipments conforming to the Tender Enquiry specification and abide all terms and conditions of the tender enquiry as well as invitation to tender and instructions to tenderers.

Place :
 Date :

Signature:
 Name:
 Designation:
 Stamp of the firm:

Invitation to Tender and Instructions to Tenderer (ITIT)

1. Tenderers or their authorize representative are at liberty to remain present at the opening time of the tender.
2. The **Tender Form fee Rs. 1500/-**(Rupees one thousand five hundred Only) for each part of the tender and **Earnest Money Deposit (EMD) @ 3 per cent in INR of total value of concern part of the tender** will be applicable for each company price list. Separate tenders are to be filled in for each item.

Each tender must have a set of all the documents separately, otherwise tender will be disqualified.

The Demand drafts should be in favour of **SDAU Fund Account** and drawn on **State Bank of India, Dantiwada-2760**. The **drawee bank** should also be **State Bank of India or any nationalized bank**. A Tender without proper Tender Fee and Earnest Money Deposit shall not be considered. The Earnest money Deposit/Security Deposit will be liable to forfeiture if the tenderer fails to complete the contract. EMD/ Security Deposit shall be returned after completion of warranty/guarantee period of the equipments.

Incorrect / fraudulent information submission may lead to disqualification. Please ensure that the data be furnished correctly.

- 3 (a) The Tenderer should quote rate for F.O.R./Free Delivery to the indenting office of SDAU. The SDAU has its Research Stations spread over North Gujarat and Kutchh. The tenderer should state the earliest and clear delivery period. The offerer has to confirm receipt of supply order and acceptance thereof immediately. In absence of this no claim shall be considered.
 - (b) Tenderer may also quote on Ex-Godown and/or F.O.R. destination of dispatch indicating charges towards packing forwarding, railway freight or the charges under the parcel scheme of the Gujarat State Road Transport Corporation, insurance etc. so as to compare the rates with those of others who have quoted as per tender condition.
 - (c) When the analysis or testing of the supplied instrument/equipment has to be undertaken in Laboratories / Test house inside/outside Gujarat State, inspection charge not exceeding 0.5 / 1.0 in INR, respectively of the total value of stores to be inspected will have to be paid by the offerer.
4. No charges other than customs duty shall be affected by the change in the F.O.B. price. This clause shall remain in operation only up to the date of shipment corresponding to the delivery period specified in the schedule to the agreed terms and notwithstanding any extension of time, if any, unless it proves to the satisfaction of the SDAU that the delay in shipment was due to the causes entirely beyond the control of the foreign principal / manufacturer. The decision of the SDAU in this regard shall be final and binding.
- 5 (a) Ex-stock offers of those on tenderers own import license will be preferred. It will be tenderers responsibility to inform this office within the validity period of the quotation in the event of the stores offered ex-stock being sold elsewhere. Failure to comply with this instruction shall be construed to mean that the stores are available ex-stock during the validity period. No cognizance shall be taken of the intimation that the store have been sold out prior to receipt of order if such intimation is received after acceptance of order at the tenderers end.
 - (b) Taxes, if leviable and same are being claimed extra should be clearly stated, failing which the rates quoted in the tender will be construed as inclusive of all taxes. Break -up showing the rate and element of taxes should be shown when rates are quoted inclusive of taxes.
 - (c) Party or their representative may remain present at the time of the opening of Technical Bid.
6. (a) The tenderer should indicate the rates in metric system of weight and measures or in

any equivalent weights and measures, thereof showing conversion rates.
Non-compliance in this respect will render the tender liable for rejection.

- (b) Rates should be quoted per "unit" as specified in the schedule. Non-compliance will render the tender liable for rejection.
 - (c) The prices should not be negotiable. If needed parties quoting lowest shall be invited or the negotiations/clarifications. However, the lowest price is not the criteria and emphasis is placed on quality and specifications of the material.
7. The SDAU does not pledge himself to accept the lowest or any tender and reserves the right to consider or reject any or all tenders and invite fresh quotations if need arise or to accept the tender in full or part or divide the quantity amongst one or more tenderers without assigning any reasons. Further, the SDAU reserves the right of selecting the brand and accepting or otherwise any of the conditions stipulated in the tender.
8. In the event of an order being placed against this tender and if tenderer fail to supply any stores in accordance with the terms and conditions of Acceptance of Tender or fail to replace any stores rejected within such times as may be stipulated, the SDAU shall be entitled to purchase such stores, without notice to the tenderer, from any other source and at such price as the university shall in the sole discretion think fit. If such price exceeds the rate set out in the schedule to acceptance of tender, the tenderer shall be responsible to pay the difference of the price at which such store have been purchased by the SDAU, and the price calculated at the rate set out in the schedule.
9. Warranty/Guarantee, if any, for the stores offered should invariably be stated in the tender, failing which standard clause to this effect adopted by SDAU i.e. minimum for 24 months shall apply. Further,
- (a) The tenderer shall guarantee regular and timely supply of all the spare parts required for the normal working of the machinery tendered for, for a period of three years. Tenderer, shall also guarantee that the rate of such spare parts will not be exceeding those you might be charging to the Director General of Supplies and Disposals. New Delhi or anyother Government department.
 - (b) Tenderer shall further guarantee that "after-sale service" will be provided as and when required.

10. Termination of contract:

Should the tenderer fail to deliver the stores or any part thereof, within the contract period of delivery or the stores are not found in accordance with the prescribed specifications and / or approved sample, SDAU shall exercise its discretionary power either:

- (a) To purchase elsewhere on tenderers account and at his risk store so undelivered or others of a similar description without canceling the contract in respect of the consignment not yet due for delivery, or

(b) To cancel the contract:

In the event of action taken under clause (a) above, the tenderer shall be liable for any loss which the SDAU may sustain on that account but he shall not be entitled to any saving on such purchases made against default.

The decision of the SDAU shall be final as regards the acceptability of stores supplied by the tenderer and the SDAU shall not be required to give any time for the rejection of the stores.

11. Extension of time:

- a. As soon as it is apparent that contract dates cannot be adhered to, an application shall be sent to the ordering office of SDAU along with copy to the Director of Research before due date.

- b. Without prejudice to the foregoing rights, if such failure to deliver in proper time as aforesaid shall have arisen from any cause which SDAU may admit as a reasonable ground for an extension of the time (and its decision shall be final) it may allow such additional time as considered to be justified in the circumstances of the case.
12. Special conditions, if any in this tender shall also be applicable.
 13. Non-compliance with any of the above conditions shall construe breach of the same and will render the offer liable for rejection.
 14. The Tenderers are instructed to specify clearly in their tenders as to in which respect their quotations deviate from the tender enquiry. In-case of higher version, if deviations are not specified in detail, it will be presumed that the tendered offer is exactly to the specifications of the tender enquiry.
 15. Tenderers are required to show detailed breakup of all taxes separately with the respective amounts, even if their offers are inclusive of all taxes.
 16. Tenderers should send descriptive literature (not rates) along with other documents as specified in tender notice.
 17. Tenderers are advised to indicate in their offer against each item, whether the item is imported or indigenous.
 18. The SDAU may, if found necessary to do so, consider for extension of Rate Contract beyond the original validity period, subject to the original terms and condition provided in advertised Tender and the tenderer shall accept the same unless specially stipulated to the contrary in the tender.
 19. In the case, rate accepted on "FOR Destination" the date on which the goods are received at destination shall be considered as the date of delivery.
 20. Tender should be submitted on line showing legibly the **tender number, due date, name of company/brand of the item.**
 21. Tender Fee / EMD and other relevant documents of the tenders are to be sent in separate sealed cover to **“Dean, G. N. Patel College of Dairy Technology, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Dist.-Banaskantha, Gujarat-385506 by the date and time stated in the notice by Registered Post/Speed Post/Courier only. Late receipt may disqualify the tender and the SDAU will not, in any way responsible in this regard.** Scan Photo copy submitted along with original tender, if any, must match with physical copies.
 22. The tender is liable for rejection if goods/ instrument/equipment are not fulfilling as per required specifications.
 23. The terms and conditions in any other form than shown in the tender will not be considered.
 24. Installation of the machine will have to be made **within 6 weeks of supply.**
 25. Payment shall be made only after satisfactory installation, demonstration and personnel training, if required.
 26. Vendor giving wrong information on specification/documents will be **black listed for a period of 5 years.**

27. All questions, disputes or differences arising under, out of or in connection with the contract shall be subject to the exclusive jurisdiction of the court within the local limits of whose jurisdiction the place situated from which Acceptance of Tender is issued.

Name of the Firm:

Authorized Signature:

Name:

Designation:

Seal of firm:

TECHNICAL BID SUBMISSION FORM
PART-I
(Tender Supporting Documents/Documents Check-list)

Current Tender Details:

Tender Notice No.:

Type of Tender:

Last Date & Time for submission of Bid:

1) Name of **company/brand**:

2) Name of the Manufacturer:

3) Category (Indigenous / Imported):

4) Required supporting documents:

Sr.No.	Document / Certificate Page No. Of the Tender Document	Remarks
1.	C.A. Certificate for the manufacturing showing year wise production sales of the quoted item for the last 3 years.	
2.	Manufacturing License/Product Permission/Registration Certificate with C.S.P.O./C.M.S.O./ S.S.I./K.V.I.C./N.S.I.C. / D.G.S.& D.	
3.	List of Installations/Users/Customers with address, phone No. and email address.	
4.	Higher / Lower Price Certificate	
5.	S.T. Clearance Certificate and Returns	
6.	Tender Fee Amount, D. D. No. and Date	
7.	E.M.D. Amount, D. D. No. and Date	
8.	Letter of Authority of Foreign Principal OR its subsidiary company with copy of agreement (In case of Foreign articles) (MUST BE NOTARIZED)	
9.	IEC Certificate for imported items	
10.	Total Pages of the tender document	
11.	Partnership deed/Memorandum of article/ Registration of firm etc.	
12.	Document of 100in INR Subsidiary Company	
13.	Affidavit by Subsidiary Company	
14.	Confirmation of Delivery Period	
15.	Confirmation of Place of Delivery	
16.	Confirmation of terms and conditions of Payment	
17.	A.E.R.B. Certificate {if applicable}	
18.	I.S.O. Certificate.	
19.	B.I.S. Certificate.	
20.	Original Company Printed Price List and Product Catalogue	
21.	Copy of valid import license for imported items	
22.	Guaranty/Warranty obligation	
23.	Manufacturer/Authorization certificate showing validity for the current year	
24.	Vendors Profile / Company details	
25.	Affidavit as per prescribed format on ₹ 100/- non judicial stamp declaring that the party is not black-listed	
26.	GST/CST registration certificate	
27.	Tax declaration certificate	

Note:

a. All photocopied documents must be attested by gazetted officer/ self-attested.

b. Photocopy of all the documents must be attached physically and scan copy be with e-tender.

DECLARATION

It is verified that all the certificates/permissions/documents are currently valid as on date and have not been withdrawn/cancelled by the issuing authority. It is further verified that the certificates are as per the format and it is clearly and distinctly understood by us that the tender is liable to be rejected if on scrutiny any of these certificates is found to be not as per the prescribed format.

We further undertake to produce on demand the original certificate/permission / document for verification at any stage during the processing of the tender.

We solemnly declare that we have attached all the documents mentioned here in above and in the tender. We also understand that non-compliance of any documents will be treated as non-respective tender and we will loose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:

Authorized Signature:

Name:

Designation:

Seal of firm:

TECHNICAL BID SUBMISSION FORM
PART-II
Current Tender Details

Tender No.:

Type of Tender:

Last Date & Time for submission of Bid:

- 1) Name of **company/brand** :
- 2) Name of the Manufacturer :
- 3) Category (Indigenous / Imported) :
- 4) (A) Basic facilities/infrastructure such as power supply, installation and commissioning of equipment required mentioned as hereunder:
(B) Details of after sales services in Gujarat (Mandatory).
 1. Address of nearest Manufacturers dealer/Service Centre.
 2. Name of Service Engineer (With Office, Residence Phone/ Cell No. and Email address.)
 3. Address of nearest depot for parts and other consumable stores (With Office, Residence Phone/ Cell No. and Email address.)

Note:

1. The specifications available in the item offered shall be mentioned clearly against each tender specification.
2. Details specifications chart, design drawing etc. for equipment offered are to be provided along with original literature.
3. For any imported equipment part of equipment, valid documentary evidence regarding foreign make as well as import of goods is to be provided by the Tenderer along with consignment.
4. Any item, material, consumable required for installation and commissioning of equipment to be brought by supplier at the time of installation of equipment.

Remarks if any:

DECLARATION

We solemnly declare that we have attached all the documents mentioned here in above and in the tender. We also understand that non-compliance of any documents will be treated as non-respective tender and we will loose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:

Authorized

Signature:

Name:

Designation:

Seal of firm:

COMMERCIAL BID FORM
(Online Submission Only)
Option –I

INDIGENOUS ARTICLES

Current Tender Details:

Tender No.: Type of Tender: Last Date & Time for submission of Bid:

- 1) Name of the **company/brand**:
- 2) Name of Manufacturer:
- 3) Company/Brand Price in INR (Prices as printed in the Company Price List with standard accessories = 100 in INR)

Sr. No.	Particulars	Prices calculation
A.	Basic Price in INR	
B.	Discount in INR	
C.	Price in INR after discount	
D.	Excise and other duties, if applicable (at concessional rate to Educational Institute) (Enter 0 if not applicable)	
E.	Packing Forwarding, Insurance and Installation charges <i>etc...</i> (Enter 0 if not applicable)	
F.	CST in INR (Enter 0 if not applicable)	
G.	GST in INR (Enter 0 if not applicable)	
H.	Other Charges, if any (Enter 0 if not applicable) (Describe in brief)	
I.	Total F.O.R.D. price in INR (C to H, as applicable)	

ii) Optional Items:

Sr. No.	Particulars	Prices calculation
A.	Basic Price	
B.	Discount in INR (on company printed price list)	
C.	Price in INR after discount	
D.	Excise and other duties, if applicable (at concessional rate to Educational Institute) (Enter 0 if not applicable)	
E.	Packing Forwarding, Insurance and Installation charges (Enter 0 if not applicable)	
F.	CST in INR (Enter 0 if not applicable)	
G.	GST in INR (Enter 0 if not applicable)	
H.	Other Charges, if any (Enter 0 if not applicable) (Describe in brief)	
I.	Total F.O.R.D. price in INR (C to H, as applicable)	

Remarks if any:

DECLARATION

We solemnly declare that we have attached all the documents mentioned here in above and in the tender. We also understand that non-compliance of any documents will be treated as non respective tender and we will lose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:

Authorized Signature:

Name:

Designation:

Seal of firm:

COMMERCIAL BID FORM
(Online Submission Only)
Option –II

IMPORTED ARTICLES

Current Tender Details:

Tender No.: Type of Tender: Last Date & Time for submission of Bid:

- 1) Name of the **company/brand of the price list:**
- 2) Name of Manufacturer:
- 3) **C.I.F. Port Price in INR:**
(Prices as printed in the Company Price List with standard accessories = 100 in INR)

Sr. No.	Particulars	Prices calculation
A.	C.I.F. Port Price in INR (Prices as printed in the Company Price List with standard accessories)	
B.	Discount in INR (on company printed price list)	
C.	Price after discount in INR	
D.	Custom duty / CVD (at concessional rate to Educational Institute) (Enter 0 where not applicable)	
E.	Additional custom duty, If any (Enter 0 if not applicable)	
F.	Excise and other duties (at concessional rate to Educational Institute) (Enter 0 if not applicable)	
G.	Packing Forwarding, Insurance and Installation charge (Enter 0 if not applicable)	
H.	Other Charges, if any describe in brief (Enter 0 if not applicable)	
I.	Total F.O.R.D. price in INR	

ii) Optional Items

Sr. No.	Particulars	Prices calculation
A.	C.I.F. Port Price in INR (Prices as printed in the Company Price List with standard accessories)	
B.	Discount in INR (on company printed price list)	
C.	Price after discount in INR	
D.	Custom duty / CVD (at concessional rate to Educational Institute) (Enter 0 where not applicable)	
E.	Additional custom duty, If any (Enter 0 if not applicable)	
F.	Excise and other duties (at concessional rate to Educational Institute) (Enter 0 if not applicable)	
G.	Packing Forwarding, Insurance and Installation charge (Enter 0 if not applicable)	
H.	Other Charges, if any describe in brief (Enter 0 if not applicable)	
I.	Total F.O.R.D. price in INR	

Letter of credit opened in favour of _____ :

Country of Shipment _____ :

Remarks if any _____ :

Note:

1. Prices with breakup (in INR) must be quoted in above format only online. Quoting of consolidated price without breakup may not be considered.
2. All terms and conditions of supply shall be applicable as per the tender Document. Any terms and condition intended with Commercial Bid shall be ignored or in such a case offer is liable to be rejected.
3. Tax declaration certificate may be enclosed, if applicable.
4. Sardarkrushinagar Dantiwada Agricultural University is entitled for exemption of Customs Duty and Central Excise Duty as per Government Notifications no. 51/96-Customs dated 23rd July 1996 and No.10/97-Central Excise dated 1st March 1997, respectively. Therefore, considering the exemption of custom duty and central excise the rates may be quoted.
5. Local agency commission, if any will not be allowed.
6. If required, custom exemption certificate issued by the concerned authority shall be provided by the consignees.
7. The rates of Custom Duty / C.V.D., transport charges from port to place of consignees, transit insurance within India, installation charges, bank / custom clearance charges, if applicable, **should be quoted in Indian currency only.**

DECLARATION

We solemnly declare that we have attached all the documents mentioned here above and in the tender. We also understand that non-compliance of any documents will be treated as non respective tender and we will lose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:
Signature:

Date:

Authorized

Name:
Designation:
Seal of firm

**AFFIDAVIT
(TO BE SUBMITTED PHYSICALLY)**

(To be submitted IN ORIGINAL on Non-Judicial Stamp Paper of Rs.100/- duly attested by first class magistrate/Notary Public) I/We age..... years residing at in capacity of M/s.....hereby solemnly affirm that

1. All General Instructions, General Terms and Conditions as well as Special Terms and Conditions laid down on all the pages of the Tender Form have been read carefully and understand properly by me which are completely acceptable to me and I agree to abide by the same.
2. I/We have submitted following Certificates/Documents for T.E. as required as per General Terms and Conditions as well as Special Terms and Conditions of the Tender.

Sr. No.	Name of the Document
1.	
2.	

3. All the Certificates/Permissions/Documents/Permits/Affidavit are valid and current as on date and have not been withdrawn/cancelled by the issuing authority.
4. It is clearly and distinctly understood by me that the tender is liable to be rejected if on scrutiny at any time, any of the required Certificate/Permissions/Documents/Permits/Affidavits is /are found to be invalid/wrong/incorrect/misleading/fabricated/expired or having any defect.
5. I/we further undertake to produce on demand the original Certificate/ Permission/ Documents/ Permits for verification at any stage during the processing of the tender as well as at any time asked to produce.
6. I/We also understand that failure to produce the documents in "Prescribed Proforma" (Wherever applicable) as well as failure to give requisite information in the prescribed Proforma may result in to rejection of the tender.
7. My/Our firm has not been banned/debard/black listed at least for three years (excluding the current financial year) by any Government Department/State Government/Government of India/Board/Corporation/Government Financial Institution in context of purchase procedure through tender.
8. I/We confirm that I/We have meticulously filled in, checked and verified the enclosed documents/certificates/Permissions/permits/affidavits/information etc. From every aspect and the same are enclosed in order (i.e. in chronology) in which they are supposed to be enclosed. Page numbers are given on each submitted document important information in each document in "highlighted" with the help of "marker pen" as required.
9. The above certificates/documents are enclosed separately and not on the Proforma printed from tender document.
10. I/WE say and submit that the Permanent Account Number (PAN) given by the Income Tax department is which is issued on the name of..... (kindly mention here either name of the Proprietor (in case of Proprietor Firm) or name of the tendering firm whichever is applicable).
11. I/We understand that giving wrong information on oath amounts to forgery and perjury and I/We am/are aware of the consequences thereof. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/PBDG/Cancel the award of contract in this event. This office reserves the right to take legal action on me/us.
12. I/We have physically signed and stamped all the above documents along with copy of tender documents (page no. to).
13. I/We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliment with specification mentioned in the bid document.
14. My/Our company has not filed any Writ Petition, Court Matter and there is no court matter filed by State Government and its Board Corporation is pending against our company.

15. I/We hereby commit that we have paid all outstanding amounts of dues/taxes/cess/charges/fees with interest and penalty.
16. In case of breach of any tender terms and conditions or deviation from bid specification other that already specified as mentioned above, the decision of Tender Committee for disqualification will be accepted by us.

Date :
Place:

Stamp & Sign of the Tenderer

Signature & Seal of the Notary

PART-I (Magnetic stirrer with Hot plate and Autoclave)

Sr. No.	Name of Instrument/Equipment	Qty.	Specifications
05-B.01	Magnetic stirrer with Hot plate and temperature control system	03	<ol style="list-style-type: none"> 1. It should be sturdy and vibration free system with simple user interface and design 2. it should have noise free, smooth, explosion and maintenance free motor for smooth operation over time. Motor should have motor rating output of 8-10 W or better. 3. it should have working plate dimension of 5 inch or better with plate cover either made up of stainless steel or aluminum based material 4. it should have clear and long term LCD display for both Temperature and speed 5. system should have speed of 100-1500 rpm or better with resolution of ± 10 RPM or less better. 6. It should have heating temperature range of 250 degree Celsius or better with temperature resolution of ± 1 degree Celsius. 7. System should have connection for external temperature control system and must be provided with PT 1000 or such level temperature sensor with accuracy of temperature sensing ± 0.5 degree Celsius or less better. 8. System should have timer function for time based reaction setup. 9. System should be suitable for maximum volume of 10-15 L of water stirring or more better 10. It should capable to work with stirring magnetic bar in size of up to 50-70 mm or more better 11. System should operate in ambient temperature of 5-40 degree Celsius at up to 80% R.H. or more better 12. It should have RS 232 or USB interface and provided with RS 232 or other cable compatible for data logging 13. It should work at operating voltage of 200-240 V or less at lower power input (< 800 W) 14. Miscellaneous: - Dust cover, all wires, cords, connector and standard accessories needed for proper functioning of the instruments 15. The vendor should quote separately for any other accessories that are required for optimum operation of the equipment. 16. Training and Demonstration: - Training and demonstration of students / staff/ faculty should be done by the certified company engineer and the specifications quoted should be

			<p>demonstrated on site at the time of installation.</p> <p>17. The complete instrument and accessories excluding consumables should be under warranty for a period of two years from the date of installation</p> <p>18. Vendor should be easily accessible and available on demand within 24 hours of any problem in the instrument.</p> <p>19. One set of operating manual, service manual, quality assurance certificates (in English) should be provided with the instrument.</p>
05-B.02	Autoclave (Teflon lined)	01	<ol style="list-style-type: none"> 1. It should be hydrothermal reactor based system suitable for metal based nanoparticle synthesis related work 2. System should be made up of stainless steel or other suitable material with good corrosion resistance property is must 3. Should be easy to operate and having all safety features for gas proof leakage and other pressure leakage 4. It should be suitable for working with both liquid and solid/powder type of metal sample and their formulations. 1. System should be suitable to work under highly acidic or alkaline condition without any coercion of material 2. System should be lined or chambered internally with Teflon based material 3. It should be suitable to work for up to 220-250 degree Celsius in operational working temperature range and maximum to 260-300 degree Celsius or better. 4. It should have heating and cooling temperature rate of 5 degree Celsius/min or better 5. System should have working pressure up to 25-30 bar or 2.5 to 3MPa or better. 6. It must have pressure gauge to maintain appropriate pressure condition required for the chemical reaction 7. System should be suitable for work in different range 50 ml, 250-500 ml and 1000 ml capacity. If single system is not suitable for all volume then vendor should quote for all different level of working system available. 8. System must be provided with all accessories needed including tightening rod and other accessories (if needed) for safe handling of reactor system 9. The vendor should quote separately for any other accessories that are required for optimum operation of the equipment. 10. Training and Demonstration: - Training and demonstration of students / staff/ faculty should be done by the certified company engineer and the specifications quoted should be demonstrated on site at the time of installation. 11. The complete system and accessories excluding consumables should be under warranty for a period of two years from the date of supply.

PART II (Laboratory Equipment/Instruments)

Sr. No.	Name of Instrument/Equipment	Qty.	Specifications
05-B.03	Oxygen Permeability Tester	01	<ol style="list-style-type: none"> 1. FilmTest range:0.01-6500 cm³/m²·d 2. Resolution: 0.001 cm³/m²·d 3. Package:0.0001~62 cm³/pkg·d 4. Resolution: 0.00001 cm³/m²·d 5. Specimen amount: 3 specimens, independent 6. Temperature range: 5⁰C – 95⁰C 7. Temperature accuracy: ±0.1C 8. Humidity range: 0in INR -100in INRRH, 9. Humidity accuracy: ±1in INRRH
05-B.04	Water Vapor Permeability Tester	01	<ol style="list-style-type: none"> 1. Test range: 0.1~19,000 g/m²*24h 2. Test accuracy: 0.01 g/m²*24h 3. Specimen amount: 1 specimen 4. Temperature range: 15⁰C – 65⁰C 5. Temperature accuracy: ±0.1C 6. Humidity accuracy: ±1in INRRH 7. Test area: 28.26 cm² 8. Specimen size: Φ76 mm 9. Air velocity: 0.5~2.5 m/s 10. Test chamber volume: 4-8 L 11. Gas supply: Air 12. Gas interface: Φ8 13. Power supply: AC 220V 50Hz
05-B.05	UV-VIS Spectrophotometer	01	<p>Stray Light <0.3 % T at 340 nm, 400nm, Source Lamp Deuterium; Tungsten-Halogen Bandwidth 4.0 nm Wavelength Accuracy±2.0 nm Min Wavelength (nm) 190 Max. Wavelength (nm) 800 Path length (mm) 10 mm (expandable to 100 Photometric-Absorbance Min (A) 0.1 to Max (A) 2.5 Photometric – Concentration Min (C) 0 Max (C) 1999 Detector Silicon Photodiode output USB; RS-232 Power (VAC) 100 to 240 Power (Hz) 50 or 60.</p>

Sr. No.	Name of Instrument/Equipment	Qty.	Specifications			
05-B.06	Solar Photovoltaic Panel	67				
	Rated Power(Pmax) watt	155	180	220	250	300
	Type	Mono Flexible Module	Multi-cryst alline cell	Multi-cryst alline cell	Multi-cryst alline cell	Multi-cryst alline cell
	Volt at Max. power(Vmp in volt)	~18.58	~23.7	~29	~30.2	~36.42
	Open circuit voltage(Voc in volt)	~22.67	~27.9	~36.2	~37.1	~45
	Current at Max. Power(Imp in Amp)	~8.35	~7.6	~7.6	~8.28	~8.24
	Short circuit current(Isc in Amp)	~8.61	~8.32	~8.25	~8.7	~8.6
	Fill factor(FF)	>79	>70	>70	>70	>70
	Module efficiency (%)	13 to 15%	13 to 14%	13 to 14%	13 to 14%	>14%

PART-III (Microscope, etc.)

Sr. No.	Name of Instrument/Equipment	Qty.	Specifications																																
05-B.07	Microscope	2	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: left; padding: 2px;">Specification</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 2px;">1.</td> </tr> <tr> <td style="width: 25%; padding: 2px;">Illumination System</td> <td style="padding: 2px;">Built-in transmitted illumination system 6 V 20 W halogen bulb 100-240 V 50/60 Hz universal voltage</td> </tr> <tr> <td style="padding: 2px;">Focusing</td> <td style="padding: 2px;">Stage height movement (coarse movement stroke 20 mm) Fine focus graduation: 2.5µm</td> </tr> <tr> <td style="padding: 2px;">Revolving Nosepiece</td> <td style="padding: 2px;">Fixed quadruple nosepiece</td> </tr> <tr> <td style="padding: 2px;">Stage</td> <td style="padding: 2px;">Wire movement mechanical fixed stage: 120x132 mm Traveling range: 76 mm (X) x 30 mm (Y) Single specimen holder</td> </tr> <tr> <td style="padding: 2px;">Observation Tube</td> <td style="padding: 2px;">30° inclined binocular tube Interpupillary distance adjustment range 48–75 mm</td> </tr> <tr> <td style="padding: 2px;">Condenser</td> <td style="padding: 2px;">Abbe type with aperture iris diaphragm N.A.: 1.25</td> </tr> <tr> <td style="padding: 2px;">Objective</td> <td style="padding: 2px;"> Trinocular Plan Achromatic objectives (anti-fungus) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="padding: 2px;">4x N.A.: 0.10</td> <td style="padding: 2px;">W.D.: 18.5 mm</td> </tr> <tr> <td style="padding: 2px;">10x N.A.: 0.25</td> <td style="padding: 2px;">W.D.: 10.6 mm</td> </tr> <tr> <td style="padding: 2px;">40x N.A.: 0.65</td> <td style="padding: 2px;">W.D.: 0.6 mm</td> </tr> <tr> <td style="padding: 2px;">100x N.A.: 1.25</td> <td style="padding: 2px;">W.D.: 0.13 mm (option)</td> </tr> </table> </td> </tr> <tr> <td style="padding: 2px;">Eyepiece (10x)</td> <td style="padding: 2px;">Field Number (F.N.): 20 (anti-fungus)</td> </tr> <tr> <td style="padding: 2px;">Optional Accessories</td> <td style="padding: 2px;">Mirror unit, 15x eyepiece (F.N. 12, anti-fungus), micrometer, filter holder, dark field stop, Micro image projection system, Phase-contrast Attachment/10X, 40X, Simple Polarizing attachment</td> </tr> <tr> <td style="padding: 2px;">Compatible with</td> <td style="padding: 2px;">Compatible with Digital CMOS camera MIPS (Microscope Image projection system)</td> </tr> </tbody> </table>	Specification		1.		Illumination System	Built-in transmitted illumination system 6 V 20 W halogen bulb 100-240 V 50/60 Hz universal voltage	Focusing	Stage height movement (coarse movement stroke 20 mm) Fine focus graduation: 2.5µm	Revolving Nosepiece	Fixed quadruple nosepiece	Stage	Wire movement mechanical fixed stage: 120x132 mm Traveling range: 76 mm (X) x 30 mm (Y) Single specimen holder	Observation Tube	30° inclined binocular tube Interpupillary distance adjustment range 48–75 mm	Condenser	Abbe type with aperture iris diaphragm N.A.: 1.25	Objective	Trinocular Plan Achromatic objectives (anti-fungus) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="padding: 2px;">4x N.A.: 0.10</td> <td style="padding: 2px;">W.D.: 18.5 mm</td> </tr> <tr> <td style="padding: 2px;">10x N.A.: 0.25</td> <td style="padding: 2px;">W.D.: 10.6 mm</td> </tr> <tr> <td style="padding: 2px;">40x N.A.: 0.65</td> <td style="padding: 2px;">W.D.: 0.6 mm</td> </tr> <tr> <td style="padding: 2px;">100x N.A.: 1.25</td> <td style="padding: 2px;">W.D.: 0.13 mm (option)</td> </tr> </table>	4x N.A.: 0.10	W.D.: 18.5 mm	10x N.A.: 0.25	W.D.: 10.6 mm	40x N.A.: 0.65	W.D.: 0.6 mm	100x N.A.: 1.25	W.D.: 0.13 mm (option)	Eyepiece (10x)	Field Number (F.N.): 20 (anti-fungus)	Optional Accessories	Mirror unit, 15x eyepiece (F.N. 12, anti-fungus), micrometer, filter holder, dark field stop, Micro image projection system, Phase-contrast Attachment/10X, 40X, Simple Polarizing attachment	Compatible with	Compatible with Digital CMOS camera MIPS (Microscope Image projection system)
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05-B.08	Fluorescence Microscope	1	<ol style="list-style-type: none"> 1. Should be Rigid and vibrations free frame Illuminator based system with over all weight of instrument less than 12 Kg. (approx.) 2. Should have long life Transmitted LED illumination having long life of more than 25,000 hours and LED hazard class of entire device should be not more than 2. 3. Should have Built-in-Koehler illumination for transmitted light 12V100W halogen bulb (precantered) with motion sensor detects when an operator leaves and automatically turns off the light for long life of bulbs.Intensity adjustment centrally located so that both hand can be used to increase and decrease light. Light intensity LED indicator. Light preset switch for photography. Built in filters (Blue filter, ND6, ND25 filters). 4. Suitable for Applications: Light and Fluorescence Microscopy of Cells and tissue sections 5. Rectangular Mechanical Stage, Ceramic-coated coaxial stage with right hand low drive control with rotating mechanism and torque adjustment mechanism. Vertical stage movement 25 mm stage stroke with coarse adjustment stopper. Torque adjustment for coarse adjustment knobs. Stage mounting position variable, high sensitive fine focusing knob with minimum adjustment graduation should be 1µm. 6. Eyepiece: 10X 7. Nosepiece: 6x revolving nosepiece (capable of accommodating up to 6 																

		<p>objectives) mounted on ball bearing with highly precise click stops and should have slots for up gradation.</p> <p>8. Objective: infinity corrected fluorescence grade objective with PLAN flatness correction 20X, 40X, 60X (oil immersion) and 100X (oil immersion) with correction collar.</p> <p>9. Fluorescence with minimum 6 or more position built in filter Cube Turret. 120/130 metal Halide / Mercury light illuminator with 2000 hrs life time. Filters should be suitable for DAPI/Hoechst, FITC/GFP, TRITC/ Rhodamine, Cy3, Cy5 & Texas Red dyes.</p> <p>10. Microscope should have LED fluorescence illumination (life time – Approx. 25000 or better) suitable for DAPI/Hoechst, FITC/GFP, TRITC/ Rhodamine, Cy3, Cy5 & Texas Red dyes.</p> <p>11. Camera Specifications:</p> <ol style="list-style-type: none"> i. 18-20 MP or more MP Colour microscope camera with 30-35 fps at 5MP. ii. Should be of 60-75 dB Dynamic range, USB 3.0 Interface, 2 inch or less size C mount optical adapter and with included Software. iii. Should have digital dark current compensation for optimum low light performance at long exposure times and minimize thermal noise during low light and long exposure imaging iv. CMOS Sensor: 18-20 megapixels v. Pixel Size: 2.0-3.0 μm x 2.0-3.0 μm vi. Image Resolution: 5000-5400 x 3200-3600 vii. Frame Rate: 1800 x 1200 pixels at 50 fps, 2700 x 1800 pixels at 30 fps (with Binning & ROI function) viii. Microscope Connection: C-Mount thread for connecting to microscope-specific c-mount adapter. ix. A/D Conversion: 12 Bit (4096) x. Warranty: minimum 2 years or more for camera, 1 year or more for software. <p>12. Software for image capture and analysis should be compatible with Windows OS.</p> <ol style="list-style-type: none"> I. Image analysis Software for Measurements, EFI, Time lapse imaging, unimixing, colour merging for fluorescence imaging, image stitching, image overlay, line profile, geometry/combine/ filter processing and should be capable of driving the camera for capture of Images in Real Time. II. Basic Image Acquisition: Live image acquisition: Captures live images in various formats, compares live image with previous snapshot, displays crosshair in live image, saves and loads acquisition settings to reproduce capture conditions. III. Movie: Creates .avi movie files. Camera settings Saves and loads camera settings to reproduce its snapshot conditions. IV. Basic Image Tools: Image history and properties: Displays image history and properties. Image navigator: Enables tool window for image navigation and zooming. Gallery view: Displays thumbnails of open images in a gallery. Layers: Enables viewing, extraction and deletion of single image layers.
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05-B.09	Laminar Air flow	1	<p>Size: 1 Unit – 4'×2'×2' (L×W×H)</p> <p>Cabinet creates a particle-free working environment by taking air through a filtration system and exhausting it across a work surface in a laminar or unidirectional air stream. Commonly, the filtration system comprises of a pre-filter and a HEPA filter (0.3 Micron). Because the air within the cabinet does not contain any airborne particles, it is also sterile. The laminar flow cabinet enclosed on the sides and (in working condition) kept under constant positive pressure in order to prevent the infiltration of contaminated room air.</p> <p>Body: Mild Steel, duly painted. Air Flow from: Horizontal (air flow from front). Light: Sufficient light by white LED on working platform. 460 LUX > Working top material: Rust free Stainless steel (SS 316 grade) top, anti-glare.</p> <p>Disinfection: 98-99%, through U.V. tube 254nm. Noise: Level below 72dbA. Working Area: 1200mm × 550mm × 670mm, (4'×2'×2') (Width x Height x Depth).</p> <p>Operating Voltage: 220 V ± 9% A/C. Power Cord: 3 meter long power cord with 5 Amp plug. Switch on front panel: One On/Off switch for mains, one switch for tube light, one switch for UV tube. Front Door: Material Polycarbonate, folding type first fold at ¾, ½ inches, hinge stainless steel, next and final fold from ceiling to hold this sheet, two magnetic catchers are provided to hold the front door.</p> <p>Standard Features: Longer lasting, wooden free construction. Large work space, clear view. Product Protection with clean air HEPA filtration</p>

			and true laminar air flow. Zero Leak Airflow System. Front Filter Removal, Without Removing Large HEPA Filters: 99.99% Efficient On 0.3 Microns View Screen. Totally Polypropylene Enclosed Low-Heat Fluorescent Ballast. Maximum Opening to Fully Closing. Lexan (polycarbonate) View Screen:
05-B.10	BOD Incubator	1	<p>Volume 68 Liters Capacity 2.4 cu. Ft. External Chamber MS / SS 304 / SS 316 Internal Chamber Stainless Steel 304 (Optional SS 316) Temperature Range 2°C to 60°C Temperature Uniformity +/- 0.5°C at 20°C Display Backlit LED Display Temperature control Microprocessor P.I.D controller On / Off compressor control PT 100 sensor Door Solid insulated door (with glass & without glass) w/ lock Shelves Stainless steel Shelves (2 to 5), removable Refrigerant R134a / CFC Free Power 230 +/- 20% Volts 50 Hz Caster wheels - Humidity system;- Light system by interior illumination w/ 3 fluorescent tubes/self;- Timer 0-24 hours for regulating cycle's illumination condition;- Arrangement for incubation of CO2 Air Mixture;- Combined Electronic Digital Temperature & humidity controller;- Automatic Voltage Stabilizer of 3 KVA;- Certifications (IQ / OQ / DQ / PQ)</p>
05-B.11	Electrical Shaker	1	<p>Speed range 50-350 rpm Orbit 10mm Timer 1min – 100 hr Digital Maximum load capacity 2.5KG Operating Temperature 4 - 45°C dimensions 284x264x90mm Accessories - Platform w/ clamps for flasks, 250-300ml - Universal platform w/ adjustable bars for flasks and bottles - Flat platform with non-slip rubber mat</p>
05-B.12	UV Visible Spectrophotometer	1	<p>Stray Light<0.3%T at 340 nm, 400 nm, Source Lamp Deuterium; Tungsten-Halogen Bandwidth 4.0 nm Wavelength Accuracy±2.0 nm Wavelength Min 190 - Max 800 nm Path length (mm)10 mm (expandable to 100 mm with optional holder) Photometric - Transmittance Min (%T)0 Max (%T)125 Photometric - Absorbance Min (A)0.1 to Max (A)2.5 Photometric - Concentration Min (C)0 Max (C)1999 Detector Silicon photodiode Output USB; RS-232 Power (VAC)100 to 240 Power (Hz)50 or 60</p>