

**KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES  
UNIVERSITY, BIDAR**

**TENDER FOR MODIFICATION OF VACCINE PRODUCTION LABORATORY**

***NON TRANSFERABLE***

**Office of the Co-Ordinator,  
Tender Processing Cell,  
Regional Office, Hebbal, KVAFSU, Bangalore-560024  
Telephone: - 98453 13244, 93439 99599**

The Karnataka Veterinary, Animal & Fisheries Sciences University, Bidar has invited Short term Tender of **31 days** duration in Two cover system as per the Standard tender document from the reputed firms for the MODIFICATION OF ANTHRAX VACCINE PRODUCTION LABORATORY (LAB-4) AND RABIES VACCINE PRODUCTION LABORATORY (LAB-5) AT IAH & VB, KVAFSU, HEBBAL, BANGALORE The details of the K/G-2 & K/G-1 Tender Notification, schedule, specifications are available in the website <https://kppp.karnataka.gov.in> .The tender form fees is as per the e-procurement portal Norms. The EMD & Tender processing fee shall be paid using e-procurement payment modes.

**NOTIFICATION DATE: 16.07.2026**

**LAST DATE FOR UPLOADING OF e-TENDER DOCUMENT: 17.08.2026 TIME: 04.00 PM**

- 1. Technical Bid: All the following documents have to be uploaded in PDF format by the bidder and Failure to up-load any one of the document will be rejected.**

❖ Documents required:

| Sl. No. | List of Documents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Valid MSME /NSIC /SSI Certificate issued by Government –if applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2       | GST registration certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3       | Latest GST paid receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4       | Manufacturing license or Authorization Certificate (MAF) from the Primary Manufacturer with Bid number and should be addressed to Co-ordinator, TPC                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5       | For imported items, the authorization Certificate issued by Primary Manufacturer to subsidiary firm registered in India if applicable then mandatory                                                                                                                                                                                                                                                                                                                                                                                                      |
| 6       | For Imported Items, Import License if applicable then mandatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7       | Brochure Or Catalogue of the Goods Offered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8       | Annual Turn Over Certificate OR Profit & Loss Account statement for last 3 year's duly signed by the Chartered Accountant                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 9       | Income Tax Returns Acknowledgement for year for last 3 year's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 10      | Proof of experience in design /construction and validation of clean rooms for vaccine manufacturing units/ pharma companies of Govt. or private agencies nationally or internationally.<br><br><b>At least One of the GMP facilities should be fully operational at the time of sending the application, <u>satisfactory certificates or GMP certification obtained for the labs need to be enclosed.</u> The Bidder should have successfully completed at least one similar type of works during the last 5 years (Completion certificate required).</b> |
| 11      | The applicant must provide the names of the Institutions, their full address and the contact numbers of the concerned persons at the facilities where the firm has carried out or carrying out such works.                                                                                                                                                                                                                                                                                                                                                |
| 12      | Document proof of Site Visit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 13      | A detailed BOQ with specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 14      | BMS details – Make and other details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15      | AHUs – type, number, their location etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16      | Any other documentary record to prove their expertise in the field of modifications of labs / experience of persons involved in design /execution etc                                                                                                                                                                                                                                                                                                                                                                                                     |
| 17      | Agreement to abide by the terms and conditions of the tender with Seal and signature in <b>Annexure A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

The price bid including GST, transportation, installation, excise, customs duty, freight, insurance and others has to be uploaded on-line in e-Protal. Every tenderer should quote only in one currency for each item that he has participated. Multiple currencies per item is not allowed. Tenderer while uploading tenders for the imported items shall quote in foreign currency and specify INR equivalent value ( foreign exchange value) as on the date of submission ( only for comparison purpose). The conversion rate on the date of payment or

purchase of sight draft will be considered. For all other items the rates must be quoted in INR. Prices have to be quoted F.O.R. destination mentioned in the specifications. All Institutions of KVAFSU are exempted from Central Excise duty and Customs duty and will issue DSIR certificate wherever required.

**1. a. Schedule of Events:**

|                                                                                                                                                                                                                                                                                                                                                |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Last Date for Queries on or before</b>                                                                                                                                                                                                                                                                                                      | <b>27.07.2026 Up to 05.00 PM</b>                |
| <b>Pre Bid Meeting</b>                                                                                                                                                                                                                                                                                                                         | <b>24.07.2026 from<br/>11.00 AM to 01.30 PM</b> |
| <b>Replies to Queries</b>                                                                                                                                                                                                                                                                                                                      | <b>31.08.2026 Up to 05.30 PM</b>                |
| <b>Last Date for Uploading of Tender documents on e-procurement platform on or before</b>                                                                                                                                                                                                                                                      | <b>17.08.2026 Up to 04.00 PM</b>                |
| <b>Opening of Tenders Technical bid at Office of The Tender Processing Cell, Regional campus, KVAFSU, Hebbal, Bangalore-560024(Next working day, in case it is declared as a holiday).</b>                                                                                                                                                     | <b>18.08.2026 at 04.15 PM</b>                   |
| <b>Verification of uploaded tender documents with originals.</b> Tenderer has to come personally with original tender documents for verification and also submit one set of notarized copies to the <b>Tender Processing Cell, Regional campus, KVAFSU, Hebbal, Bangalore-560024.</b> (Next working day, in case it is declared as a holiday). | <b>20.08.2026<br/>11.30 AM onwards</b>          |
| <b>Technical Scrutiny (Internal)</b>                                                                                                                                                                                                                                                                                                           | <b>24.08.2026</b>                               |
| <b>Opening of price bid / Financial bid (Next working day, in case it is declared as a holiday)</b>                                                                                                                                                                                                                                            | <b>31.08.2026 at 11.30 AM</b>                   |

- b. Venue:** Office of the Tender Processing Cell, Regional Office, KVAFSU, Hebbal, Bangalore – 560024. Ph: 9845313244, 9343999599
- c. Opening of Financial Bid / Commercial Bid:-**Commercial bids of only those responsive Tenderers of Technical bid who qualify, will be opened on a date notified in schedule (next working day in case the Govt. declares that day as holiday) or on any further date to be notified / informed to the responsive bidders.
- d. Validity of Tender –** shall be for **12 months (1 Year)** from the date of award of the tender, which may be extended by **another 6 months** if the purchaser desires so.

**THIS TENDER DOCUMENT CONTAINS THE FOLLOWING**

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# **TERMS AND CONDITIONS OF THE TENDER FOR SUPPLY OF EQUIPMENT'S AND MEDICINES/DRUGS**

## **SECTION – I**

### **INVITATION TO TENDERERS**

1. The Co-Ordinator, Tender Processing Cell, KVAFSU hereby invites Tenders in **two cover system** under e-tendering system from PRIMARY MANUFACTURERS / AUTHORIZED DEALERS / IMPORT LICENSE HOLDERS (in case of imported equipment's) for supply of Equipment's as detailed in Section V of this Tender with a validity period of 1 year from the date of award.

**Note:-** a. "A Primary Manufacturer" is defined as a person / firm having own unit that performs all the manufacturing and processing operations needed to manufacture and Quality Testing with a valid license issued by competent authority.

b. The term "PURCHASER" means for the purpose of placing the Order, accepting or rejecting the goods, making payments and sending samples for analysis means, The respective Institutional Heads of KVAFSU as defined in Rule 2 of "The Karnataka Transparency in Public Procurement Act 1999" hereinafter called "Act".

c. The term 'Authorized Signatory', means a Proprietor / Proprietorship, or a Managing partner or whole- time employee, in executive cadre, in a Proprietorship Concern / Partnership Firm or a person who is working as Managing Director / Director Finance / Director Marketing / General Manager / Assistant General Manager / Manager / Company Secretary in the Tenderer Company, who has authority to take decision on The spot with regard to all the aspects of the tender.

d. The term "**TENDERER**" means the Primary manufacturer / Import license holder/ authorized dealer participating in this tender.

e. The term "**CONTRACTOR**" refers to the successful Tenderer who has entered into an agreement with The respective Institutional Heads of KVAFSU for the purpose of supplying **Equipment's/Chemicals and modification of labs** as mentioned in this tender. **The Tender Processing Cell, Regional Office, KVAFSU, Hebbal, Bangalore-560024** shall be the Tendering Authority for the Purpose of this tender.

f. SSI units of Karnataka State shall be given price preference in accordance with the regulation of Govt. of Karnataka, Industrial Policy 2009-14 provided that they fulfill all the other prescribed criteria and become responsive or any other policies that may be indicated by the Government of Karnataka Subsequent to the issue of this notification.

g. Final Acceptance of this Tender is by the Tender Accepting Authority. (TAA) i.e. the Chairman of the Tender Accepting Committee, KVAFSU, Bidar.

- i Tenderers are free to quote for any or all of the items listed in Section V. The evaluation of tender will be done as per Item basis, denoted by the item Code.
- ii. However, tendering authority reserves the right to evaluate the tender as per item basis or the entire documents as a whole for the purpose of evaluation, in case such an action is in the best interest of the institution of KVAFSU.

- iii. **Tenders of only those Tenderer who full fill the Terms and Conditions** of this tender will be considered for evaluation. The tenders will undergo evaluation at every stage of processing and any tender found at any stage, not in conformity with the stipulated tender conditions including specification / found to be defective and incomplete documents / samples of the items found not in conformity with the specification or found defective either physically or analytically will be rejected.
- iv. Interested eligible tenderer may obtain further information from the **Office of the Tender Processing Cell, Regional campus, Karnataka Veterinary, Animal and Fisheries Sciences University, Hebbal, Bengaluru- 560024, Ph:93439 99599**

**2.REQUIRED TENDER DOCUMENTS AS PER CHECK LIST SHALL BE UPLOADED THROUGH E-TENDERING SYSTEM USING THEIR USER ID AND TO BE ADDRESSED TO Office of the Tender Processing Cell, Regional campus, Karnataka Veterinary, Animal and Fisheries Sciences University, Hebbal, Bengaluru- 560024, Ph:93439 99599 IN THE MANNER DESCRIBED UNDER INSTRUCTIONS IN SECTION – I**

#### **CONTACT INFORMATION:**

For further clarifications on registration, online support for uploading of Tenders, or any payment related issues please call Centralized e-Procurement Helpdesk on 080 – 23010900/23010901/ 22371090/22340060/22340948 or mail to Helpdesk:[hphelpdesk.blr@intarvo.com](mailto:hphelpdesk.blr@intarvo.com) or [hphelpdesk.blr@gmail.com](mailto:hphelpdesk.blr@gmail.com)

**Timings:** 9:00 am to 9:00 Pm from Monday to Saturday including government holidays (Take support on Kannada andEnglish)

#### **Training details**

A free Training schedule is organized by Center for e-Governance at Bangalore on all GOK Working Wednesday's & Saturday's.

| Training Date                                              | Training venue                                              | Batches | Training duration   |
|------------------------------------------------------------|-------------------------------------------------------------|---------|---------------------|
| On all Govt. of Karnataka working Wednesday's & Saturday's | Training room no.1, Gate no.2, M S Building, Bangalore – 01 | 1       | 10:30 am to 1:30 pm |
|                                                            |                                                             | 2       | 2:30 pm to 5:30 pm  |

A free Training schedule is organized by Center for e-Governance at Dharwad on all GOK Working Monday's.

| Training Date                              | Training venue                                                                                           |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| On all Govt. of Karnataka working Monday's | Regional centre, Centre for e-governance, Opposite AIR Dharwad, PWD division compound, Dharwad – 580008. |

**Note:** Enquiries regarding new payment options can be made on any working day at e-Procurement cell. (Room no.141, Gate No.2, M S Building, Bangalore – 01).

**SECTION-II:**  
**TERMS AND CONDITIONS**

**I. ELIGIBLE TENDERERS:**

**1.1 THE TENDER SHALL BE UPLOADED ONLY IF THE TENDERER IS AGREEABLE TO ALL THE TERMS AND CONDITIONS OF THIS TENDER, WHICH INCLUDES THE DESCRIPTION AND SPECIFICATIONS OF THE ITEMS MENTIONED THEREIN.**

- a. The Tenderer shall upload the tenders through e-tendering system using User's ID and Digital Signature Certificate for **Technical Bid** and **Commercial/ Financial Bids** separately.
- b. Feed Ingredients required are listed with **specific Code numbers** and **specifications** in **Section V**.

**1.2 IRRESPECTIVE OF THE TERMS AND CONDITIONS OF THE PARTICIPATING TENDERER MAY HAVE SPECIFIED, ONLY THE TERMS AND CONDITIONS SPECIFIED IN THIS TENDER SHALL BE BINDING ON THE TENDERER AND THE TENDERING AUTHORITY.**

**II. THE TENDERER SHALL UPLOAD THE TENDER IN THE MANNER DESCRIBED HERE UNDER: -**

**A-1 i) Earnest Money Deposit / Bid security**

The Bidder / Tenderer units should pay the Earnest Money Deposit (EMD) of **Rs.50,000/- (Rs. Fifty thousand only)** for Modification of Lab 4 & 5 in the e-Procurement portal using any of the following payment modes:

ii) **Only NSIC** units should pay a nominal Earnest Money Deposit (EMD) of Rs. 50/- (Rs. fifty only) for each **item manufactured by them** in the e-Procurement portal using any of the following modes, subject to uploading of the essential certificates issued from competent authorities.

**Online payments:**

- i. *Credit Card – Visa or Master card (any bank)*
- ii. *Debit Card – Visa, Master or Maestro card (any bank)*
- iii. *Net banking – Selected Banks only*

**Offline Payments:**

- i. *NEFT / RTGS – Any nationalized bank*
- ii. *Remittance at the bank counter using challan (ICICI bank only)*

The Tenderer's bid will be evaluated only on confirmation of receipt of the payment (EMD) in the Government of Karnataka's central pooling a/c held at ICICI Bank. EMD amount will have to be submitted by the Tenderer taking into account the following conditions:

- a. EMD will be accepted only in the form of electronic cash in any of the designated **ICICI Bank**, branches located across the Country (**and not through Bank Guarantee**) and will be maintained in the Govt.'s central pooling account at **ICICI Bank**.

- b.** The entire EMD amount has to be paid in a single transaction for by the firm to bid for all the items or any items that the tenderer is interested for participating { for Example: if the firm has participated for 2 items, then the firm has to deposit Rs. 10,000/- as EMD, for 10 items also Rs 10,000/- like wise } .
- c.** The EMD money received for all the tenders floated through the e-Procurement platform will be collected and maintained in a central pooling account.

## **A-2. Refund of EMD.**

The EMD amount will be kept in the central pooling account until the tender is awarded to the successful bidder.

Based on the instructions of **Tender Accepting Authority (TAA)** the EMD amount of all the unsuccessful **Tenderers** will be refunded.

The price bid including GST, transportation, installation, excise, customs duty, freight, insurance and others has to be uploaded on-line in e-Portal. Every tenderer should quote only in one currency for each item that he has participated. Multiple currencies per item is not allowed. Tenderer while uploading tenders for the imported items shall quote in foreign currency and specify INR equivalent value (foreign exchange value) as on the date of submission (only for comparison purpose). The conversion rate on the date of payment or purchase of sight draft will be considered. For all other items the rates must be quoted in INR. Prices have to be quoted F.O.R. destination mentioned in the specifications. All Institutions of KVAFSU are exempted from Central Excise duty and Customs duty and will issue DSIR certificate wherever required.

## **SECTION-- III:**

### **III. a. GENERAL CONDITIONS**

- i. The language of the Tender shall be in English.** In case, the original documents are issued in vernacular, the **translation** certified by the authority signing the original / by a notary should be uploaded along with the original.
- ii. The Tender Inviting authority** may, at their discretion, extend the deadline for submission of Tenders, in which case, all rights and obligations of the Tendering authority and the tenders subjected to the previous deadline, will thereafter be subject to such extended deadline.
- iii. The Tender Accepting authority reserves the right to accept or cancel or Re-tender the tender for supply of all articles, one or more at any point of time without assigning any reasons.**
- iv.** Entry to participate in the Tender Opening Committee Meeting shall be restricted to only one person per tenderer who shall be the "Authorized signatory".

v. The Tenderers or their Authorized Representative who are present shall produce the authorization letter and sign in the concerned Register evidencing their presence during the opening of tenders.

vi. The Tenderer shall bear all costs associated with the preparation and submission of samples. The Tender Inviting authority / Purchaser will in no case be responsible or liable for these costs, regardless of the conduct or out-come of the Tendering process.

**b. QUOTATIONS:**

Tenders have been invited for the supply of Equipment's, Feed ingredients, goods and spl works. The Tenderers shall quote the rates for each item separately. The specifications of each item shall be as per details given in section V.

1. The quotation shall be the rate inclusive of all taxes, FOB charges, excise/ customs duty, GST etc., and should be FOR destination.
2. The quotation shall be in figures as well in words in a legible manner in English language
3. All corrections shall be duly attested with full signature and seal
4. Each page of the quotation shall be signed with seal of the firm / company
5. The rates quoted when accepted will be binding on the Tenderer

*A prospective Tenderer requiring any clarification /any queries regarding tender documents may notify the purchaser through **e-procurement platform only within the specified date mentioned in schedule of events**. The Purchaser will respond through e-Procurement platform to any request for clarification of the tender documents. **Any queries raised after the last date specified for queries will not be entertained.***

**IV SUBMISSION OF ANALYTICAL Report: (Medicine/Drugs)( If Applicable)**

4.1 Analytical reports submitted by the bidders are verified with the tender specifications by Tender Scrutiny Committee.

4.2 The bidders shall submit analytical reports of the samples from NABL accredited labs for all the items, except for mineral mixtures or feed supplements where in the analytical reports shall be from National Institute of Animal Nutrition and Physiology, Bengaluru.

**V. CLARIFICATION OF TENDER DOCUMENTS**

A prospective Tenderer requiring any clarification / any queries regarding tender documents may notify the purchaser through e-procurement platform only within the specified date mentioned in schedule of events. The Purchaser will respond through e-Procurement platform to any request for clarification of the tender documents.

**VI. AMENDMENT OF TENDER DOCUMENT.**

1. At any time prior to the deadline for submission of tenders, the purchaser may for any reason whether at its own initiative or in response to clarification requested by a prospective tenderer, modify the tender documents by amendment.

2. All prospective tenderer who have contested will be notified of the amendment through e-Procurement platform only.

3. In order to allow prospective tenderer reasonable time in which to take the amendment into account in preparing their tenders, the purchaser at its discretion may/ may not extend the deadline for the submission of tenders

**VII. SECURITY DEPOSIT AND CONTRACT.**

a. The Tenderer whose offer is accepted, on being informed, should execute a Contract

Agreement on **Karnataka Government Stamp Paper** in duplicate of the value **as per guidelines issued by Government of Karnataka** – cost to be borne by the Tenderer) as provided by Article 5 of the schedule of Karnataka Stamp Act. A copy of the contract agreement will be given to the Tenderer. **The Co-Ordinator, Tender Processing Cell, KVAFSU**, Regional campus, Hebbal, Bangalore will provide the specimen form of the agreement along with the intimation letter to provide the **Bank Guarantee** and agreement bond. In case L- I default's in executing a Contract agreement within the **next 20 days** of acceptance of his tender, his status as L-I will stand cancelled and L-II tenderer will be invited to enter into Contract agreement. Consequently the EMD of the L-I stand forfeited to the Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar.

- b. The Successful Tenderer whose offer is accepted as lowest shall be required to pay a **Bank Guarantee** as detailed below:

❖ **Security Deposit 5 % of the total cost of the equipment's/ goods/ spl. Work/ Feed Ingredients in the form of National Bank Guarantee.**

The Security Deposit should be furnished in respect of each Tendered item/Package on or before the due date fixed, in the form of **Bank Guarantee** only, drawn in favour of "**The COMPTROLLER, KVAFSU, Bidar**", and only then PO will be issued from Tender Processing Cell.

- i. The agreement bond along with the specified "**Security Deposit**" should be submitted within **Twenty (20) DAYS** from the date of receipt of the intimation of the Acceptance of Acceptance.
- ii. Agreement not accompanied by the Security Deposit or any partial agreement deleting certain clauses /items, will not be accepted, and will be deemed as non-submission of agreement and violation of the Tender Condition and the Earnest Money Deposit of such Tenderer will be forfeited to the **University** without notice. Further, such Tenderer ceases to have any rights whatever in this regard with respect to his tender or the Contract issued thereon.
- iii. The successful Tenderer shall furnish the security deposit in accordance with the Conditions of Contract within 20 days to the Tender Processing Cell, KVAFSU, who place orders for the supply of the goods.
- iv. Failure of the successful Tenderer to comply with the requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the earnest money deposit, in which event the Purchaser may make the award to the next lowest evaluated Tenderer or call for new tenders.

**c. The Earnest Money Deposit**

i. EMD of such successful Tenderer, who fails to execute the Agreement / who fails to furnish the Security Deposit within the stipulated period / who furnishes partial agreement deleting / altering the specified clauses will be forfeited to the University and his tender will be rejected and the company will be Black Listed and he will be liable for all damages caused including the liabilities to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the goods and services to the concerned. Such damages shall be assessed by concerned authorities whose decision is final in the matter.

ii. The original agreement shall be with the Tender Processing Cell, KVAFSU, who place orders for the supply. The Tenderer shall collect the signed copy of the agreement on his own. The purchaser will not be responsible for the loss of the copy not collected by them.

d. Violation of any of the Clause of the Agreement shall be deemed as violation of Terms and Conditions of this Tender.

e. The Tenderer is permitted to claim the Security Deposit on completion of the Warranty Period. The refund of the Security Deposit shall be subject to satisfactory performance of the

contract as per the terms and conditions of the contract. The Security Deposit not claimed within **three (3) years** from the date of expiry of the contract shall be forfeited without notice.

## **VIII. FALL CLAUSES**

1. The price quoted shall not in any case exceed the maximum wholesale ceiling price (bulk), if any, fixed by the Govt. of India / NPPA / State Government or the Whole Sale price fixed by the tenderer for General Market. The Tenderer shall mention such fixed rates in the quotation sheet against each item quoted.
2. The rate quoted for the equipment's supplied under this Tender, in no event shall be more than the lowest price quoted at which the Tenderer sells his products of identical description to any other persons, State, Union territory, Corporation, Board, University, Trust, Local authority, Company or any others including his own dealer/ distributor/, stockiest /, agent

### **A. Contacting the Purchaser**

- i. No Tenderer shall contact **Office of the Tender Processing Cell, Regional campus, Karnataka Veterinary, Animal and Fisheries Sciences University, Hebbal, Bengaluru - 560024, Ph: 98453 13244, 93439 99599** on any matter relating to its tender, from the time of the tender opening to the time the Contract is awarded. If the tenderer wishes to bring additional information to the notice of the purchaser should do so in writing.
- ii. Any effort by a Tenderer to influence the Purchaser in its decisions on tender evaluation, tender comparison or contract award may result in rejection of the Tenderer's tender.

### **B. Post qualification**

- i. In the absence of pre-qualification, the Purchaser will determine to satisfaction whether the Tenderer that is selected as having submitted the lowest evaluated responsive tender meets the criteria and is qualified to perform the contract satisfactorily.
- ii. The determination will take into account the Tenderer's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, as well as such other information as the Purchaser deems necessary and appropriate.
- iii. An affirmative determination will be a prerequisite for award of the Contract to the Tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the Purchaser will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform the contract satisfactorily.

### **C. Award Criteria**

- i. The Contract will be awarded to the successful Tenderer whose products quoted in tender has been determined to be substantially responsive item wise and has been determined as the lowest evaluated tender, provided further that the Tenderer is determined to be qualified to perform the contract satisfactorily.
- ii. **Acceptance / Placing of orders is subjected to the availability/ release of grants.**
- iii. In case of the imported items, all constituent institutions of KVAFSU will make payment only through SIGHT

- DRAFT which will be taken at the time of placing orders for supply and will be delivered on completion of supply and successful installation certified by the end user.
- If LC/ money transfer is to be considered, the entire LC/ money transfer charges( Bank charges) should be borne by the tenderer.
- The successful Tenderers are required to supply the item on CIF value **at the designated destination only** and the firm should arrange to take delivery of the equipment on behalf of the institutions on arrival at the airport / sea port and should provide the required documents to the respective institutions from where orders of supply are issued and obtain necessary certificates (DSIR) for customs clearance.

**D. Purchaser's right to vary quantities at the Time of Award**

The Purchaser reserves the right to increase or decrease by 25% of the quantity of goods originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions subject to availability of budgetary grants and also depending upon exigencies and emergency conditions demanding the requirement of a particular item.

**E. Right to accept any Tender and to reject any or all Tenders**

The right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without, there by incurring any liability to the affected Tenderer or Tenderers reserved.

**F. Notification of Award**

i. Prior to the expiration of the period of tender validity, the Purchaser will notify the successful tenderer through e-Procurement plat form its tender has been accepted.

ii. The notification of award will constitute the formation of the contract.

**G. Signing of Contract**

- The purchaser will send the Tenderer the Contract Form provided in the tender documents, incorporating all agreement between the parties.
- Within 30 days of receipt** of the Contract Form, the successful tenderer shall sign with date of Contract and return it to the Purchaser

**H. Corrupt or Fraudulent Practices**

The KVAFSU requires that Tenderers / Suppliers / Contractors observe the highest standard of ethics during the procurement and execution of Government financed contracts. In pursuance of this policy, the KVAFSU:

a. Defines, for the purposes of this provision, the terms set forth as follows:

- “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution’; and
- “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the KVAFSU and includes collusive practice among tenderers (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the KVAFSU of the benefits of free and open competition;

1. Will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- c. Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government financed contract.

**IX. QUALITY STANDARDS FOR SUPPLY OF ITEMS**

- i. The Equipment's and Feed Ingredients supplied shall conform to the Quality Standards including the standards specified
- ii. The Tenderer shall indicate the storage conditions of his product in the quotation sheet against each item.
- iii. The supplier shall provide such packing for the goods including the outer bulk packs, as required for preventing their damage or deterioration during transit to their final destination as well as storage.
- iv. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to weather conditions, prevailing in the Karnataka State during transit and storage.
- vii. The goods shall be packed using virgin packing materials in such a manner as to ensure delivery in good condition.
- viii. Supplies with smudged, corrected, over-written or masked labels due to whatever reason will be rejected.
- ix. All equipment's should be accompanied by **printed brochures/ catalogues and user's manual**

**X. Contract Documents and Information; Inspection and Audit by the KVAFSU**

- i. The Supplier shall not, without the Purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- ii. The supplier shall not without the Purchaser's prior written consent make use of any document or information enumerated in except for purpose of performing the Contract.
- iii. Any document, other than the Contract itself, enumerated in shall remain the property of the Purchaser and shall be returned to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.
- iv. The supplier shall permit the KVAFSU to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the KVAFSU (if so required)

**XI. VALIDITY OF TENDER**

The rates quoted shall be valid for the period not less than 12 months (1 year) from the date of award of tender which may further be extended by another 6 months if purchaser so desires.

**XII. TENDER EVALUATION**

- i. Tenderer evaluation will be done by the Tender Scrutiny Committee constituted by KVAFSU, Bidar.

- ii. The “Purchaser” after due evaluation will have option to prepare item-wise Selection in the order of priority as under
- |    |                           |    |
|----|---------------------------|----|
| a. | First Preference awardee  | L1 |
| b. | Second Preference awardee | L2 |
| c. | Third Preference awardee  | L3 |

The “Purchaser” will call upon the successful Tenderer, the acceptance of item / items and rate offered in the Tender, indicating the category L 1, L 2 & L 3 under which their offer is accepted for the purpose of the accepting Tender, requesting them to furnish a Security Deposit and to execute the agreement within specified period. The “Purchaser” shall exercise his options to purchase in the same order L1, L 2 & L 3, indicated for each item.

iii. If the L1 contractor fails to execute the order, then the L 2 / L 3 will be opted in the order of priority and the difference of cost, if any will be recovered from the defaulting contractors.

iv. The Tender Accepting Authority (TAA) before passing the order of accepting a tender may negotiate with lowest tender L 1. as per KTPP Act Circular No. 1359/SOFC/2001(p-2) dated 3/12/2002 vide 3.1 negotiations.

v. For imported items conversion rate on the date of opening of the tender will be considered uniformly for all the items for the purpose of comparison only and the conversion rate on the date of payment will be considered while placing orders.

### **XIII. ORDERS AND DELIVERY**

The Contractor shall supply the ordered equipment's and Feed Ingredients to the required destination on the F. O. R basis within a period of 90 days from the date of order, otherwise the orders stand automatically cancelled. However the purchaser may for valid reasons, may extend the delivery by a maximum of another 30 days

### **XIV. PENALTY CLAUSE: (Delays in the suppliers Performance / Non Supply)**

In case the supply is not completed fully, the “Purchaser” reserves the right to cancel the order for non supplied quantity and liable for forfeiture of Security Deposit to the KVAFSU and subsequent cancellation of the Contract.

i. The difference of cost due to purchase from the next alternate source like L 2, L 3 or open market in the same order of preference shall be recoverable from the Contractor.

ii. However, the contractor for the items to be imported are permitted to supply the equipment within 90 days without penalty and a penalty at 3% for the belated supply shall be recovered and the total time taken for supplies with penalty shall not exceed 120 days from the date of receipt of the supply order. If the supply exceeds 120 days the contractor should inform the purchaser about the delay in writing and get his consent. If not, the contractor is liable for cancellation, blacklisting and forfeiture of EMD / Security Deposit without notice.

iii. In case the supply is not completed, the Purchaser reserves the right to cancel the order and proceed with the purchase of the same item from L- II or L- III or from the open market in the order of preference as specified.

**XV. PAYMENT CLAUSE:**

- i. No advance payment will be made towards the supply. Payment will be made only after the supplies are effected and installed as per the supply order.**
- ii. Payment shall be made in** Indian Rupees / the currency in which the tenderer has quoted.
- iii. Advance payment will be considered for those equipment's whose accepted value exceeds Rs. 100 lakhs and custom made equipment's**

**XVI. REPLACEMENT OF ITEMS**

Items supplied in damaged or soiled condition or found "not in conformity" with the accepted specification, will not be accepted and shall be replaced at no extra cost to the place within 30 days from the date of receipt of intimation, failing which the "Purchaser" shall be free to proceed with the purchase from alternate sources.

**In case of dispute, regarding the non-conformity with the specifications, the decision of The TAA, KVAFSU is final.**

**XVII. BLACK-LISTING OF DEFAULTING TENDERERS**

- a. The Purchaser reserves the right to BLACK-LIST any Tenderer either in whole or in part limiting to specified product / products, for breach of any of the Terms & conditions of the tender.
- b. Such blacklisted tenderer and his establishment will not be eligible to participate in any of the KVAFSU Tenders for subsequent 5 years.
- c. KVAFSU reserves the right to reject the tender of blacklisted companies and those companies whose past performance with KVAFSU / any similar agencies / Veterinary Institutions was poor due to delayed and erratic supplies, frequent quality failures etc.

**XVIII. TERMINATION OF CONTRACT UNDER SPECIAL CIRCUMSTANCES**

The "Purchaser", by written notice sent to the supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the purchasers convenience, the extent to which performance of the supplier under the contract is terminated, and the date upon which such termination becomes effective.

**IXX. DISPUTES AND JURISDICTION**

In the event of any dispute arising out of the Terms and conditions of the Tender, such disputes would be subject to the jurisdiction of courts in Bangalore.

**XX. SAVING CLAUSE PROTECTION OF ACTION TAKEN IN GOOD FAITH :-**

**No suit, prosecution or any legal proceedings shall lie against the "Purchaser" or KVAFSU or any officer of the KVAFSU for anything which is done in good faith or intended to be done in pursuance of this Tender.**

## **SECTION IV**

### **SPECIAL NOTE (SPECIAL CONDITIONS OF THE CONTRACT)**

The following special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions is indicated in parentheses

1. Definitions (GCC Clause I)

a. **The Purchaser** - **The Co-ordinator**, Tender processing cell,  
KVAFSU, Bangalore

b. The Supplier is - \_\_\_\_\_

THE PURCHASER SHALL RESERVE THE RIGHT TO PURCHASE THE EQUIPMENTS and  
FEED INGREDIENTS OVER AND ABOVE THE QUANTITY MENTIONED IN THIS TENDER,  
DURING THE TENDER PERIOD.

1. IN ALL THE ABOVE CONDITIONS, THE DECISION OF THE **TENDER ACCEPTING  
AUTHORITY**, KVAFSU, BIDAR SHALL BE FINAL AND BINDING.

2. **THE APPELLATE AUTHORITY IS THE VICE-CHANCELLOR OF KVAFSU, BIDAR**

**SECTION – V**  
**OTHER TERMS AND CONDITION FOR SUPPLY OF CHEMICALS and**  
**MEDICINES/ DRUGS (If applicable)**

**01. EXPIRY DATE:**

**01.01** All drugs/medicines/devices must indicate the entire contents of the pack, date of manufacture, date of expiry and batch number and all other regulatory requirements. All drugs must arrive at the purchaser's point with a remaining shelf life of at least 90% (Ninety percent) of the total stipulated shelf life of the product. In case, the product supplied is below 90% of shelf life it will be rejected. In case of imported drugs the minimum shelf life, at the time of delivery at purchaser's point should be at least 80% or else it will be rejected.

**01.02** On inspection if it is found that remaining shelf life is less than 90% (80% in case of imported items) then the supplier should replace such quantity within 30 days from the date of intimation, failing which payments will be withheld till new stocks are supplied; if not supplied, fall clause will be invoked.

**02. Standards**

The goods supplied under this contract shall conform to the standards mentioned in the 'Technical Specifications'

**03. Patent rights**

The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof in the purchaser's country.

**04. Packing.**

**04.01** The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit. Packing case size and weights shall take into consideration, where ever applicable, the remoteness of the goods final destination and the absence of heavy handling facilities at all points in transit. All containers should be virgin containers only.

**04.02** The packing, marking and documentation within and outside the packages shall comply strictly with any subsequent instructions ordered by the purchaser.

Thermo sensitive drugs which are to be stored in refrigerators should be supplied in suitable cold chain packing.

**04.03 Packing instructions:** The supplier will be required to make separate packages for each consignee. Each package will be marked on three sides with the following or as per prescribed norms:

- a) Brief description of goods,
- b) Contract no. and date,
- c) Supplier's name and address,
- d) Packing list reference number
- e) Batch number(s) of drugs/medicines, Date of Manufacture and Expiry date.
- f) Consignee's name and full address.

**05. Orders/Delivery schedule:** Supplies are to be made within 45 days (60 days for the imported items) from the Date of purchase order. If the Supplier fails to deliver any or all of the Goods or to

perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract

**05.01** The Purchaser does not guarantee the quantity, which will be ordered. The quantity mentioned is only tentative requirement and may increase or decrease as per provisions in the KTPP act and as per the actual requirement and budget availability. No claims shall lie against The KVAFSU, Bidar in this regard.

**05.02** Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, indenter and the paying authority, the full details of dispatch and also shall supply following documents:

- (i) Copies of supplier's credit bills showing goods description, quantity, unit price and total amount, Date of Manufacture and Expiry date.
- (ii) Consignment Note/acknowledgement for receipt of goods from the consignee(s),
- (iii) Inspection certificate issued by the nominated inspection agency, where applicable.
- (iv) Analytical reports of the batches of Drugs & Chemicals.
- (v) Any other document specified in the supply order/indent.

## **06. STANDARDS AND SPECIFICATIONS.**

**06.01** The Drugs supplied shall conform to the Quality Standards including the standards specified for packing materials under Drugs and Cosmetics Act 1940 and Rules framed there under.

**06.02** Each consignment of supply shall be accompanied by original analytical reports of all the batches from In-house laboratories of firms.

**06.03** Purchaser or his representative who receives the stock shall test samples drawn randomly from each batch or batches of the consignment received either at the time of receiving the goods or at any time during the shelf life of the product for test and analysis at any laboratory approved by Drugs Control Department in addition to the routine sampling that may be carried out by the Drugs Control and Regulatory authorities. The Drugs shall have the active ingredients as per the specifications throughout the shelf life period of the drug.

- i. In case samples collected for analysis is declared to be "NOT OF STANDARD QUALITY" such batch / batches supplied shall be deemed to have been rejected. If the samples do not conform to the statutory standards, the contractor will be liable for relevant action under the existing laws including prosecution. In case, a batch tested is declared as "Not of Standard Quality"(NSQ), the Contractor shall supply a fresh stock of "Standard Quality" items equivalent to the entire quantity of the said batch supplied earlier, irrespective of the quantity available in stock of the purchaser, within 30 days from the date of receipt of such communication. In the event of the Contractor failing to make good stocks, the security deposit furnished by the Contractor shall be forfeited and in respect of the remaining damages, action under the existing laws will be initiated to recover such loss and also such firm will be blacklisted.
- ii. The stock declared as "Not of Standard Quality" shall be destroyed by the purchaser, shall not be returned to the Contractor under any circumstances
- iii. An amount equivalent to 0.5% of the total cost of the said batch of drugs declared as "Not of Standard Quality" shall be recovered from the contractor towards the expenses for destruction and disposal of above said drugs.
- iv. In all cases regarding the quality of drugs, the decision of KVAFSU, Bidar or any officer authorized by it, shall be final and binding.

**07. Transportation and storage:** The supplier shall be required to meet all transport expenses until delivery to the final destination.

**08.** The supplier shall replace "Not of Standard Quality" drugs/medicines with good quality drugs/medicines on intimation by the purchaser within 30 days.

**09. Payment:** The contract price shall be paid to the contractor on submission of a stock certificate issued by the consignee/purchaser's representative.

**09.01** The supplier's request for payment shall be made to the paying authority as per the purchase order (indent) along with the stock certified bills by the consignee/purchaser's representative. The supplier shall also enclose analytical certificate of each batch of drugs/medicines supplied along with the bill.

**09.02** No advance payment will be made towards the supply. Payment will be made only after the supplies are effected as per the purchase order. Payment shall be made in Indian Rupees.

**09.03** The paying authority on submission of claim by the supplier shall process it for making payments.

**09.04** No claims shall lie against The KVAFSU, Bidar respect of interest on Earnest Money Deposit or on Security Deposit.

**10. Prices:** Prices charged by the supplier for goods delivered (as in the bill) under the contract shall not vary from the prices quoted by the supplier in its bid.

**11. Contract Amendments:** No variation or modification of the terms of the contract shall be made except by written amendment signed by the two parties.

**12. Delays in the supplier's Performance.**

**12.01** Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser.

**12.02** Any delay by the supplier in the Performance of its delivery obligations shall render the supplier liable to any or all of the following sanctions:

- Forfeiture of its Performance security/ security deposit.
- Imposition of liquidated damages and/or
- Termination of the contract for default.
- Blacklisting of bidder

**13. REPLACEMENT OF ITEMS**

**a)** Items supplied in damaged or soiled condition or found "Not in conformity" with the accepted specification, will not be accepted and should be replaced at no extra cost within 30 days from the date of receipt of intimation, failing which, **5% penalty** will be levied for the belated supplies made within another 30 days.

**b)** If the replacements are not effected within the above penal period, the purchaser will be free to proceed with the purchase from alternate sources and difference of cost will be recovered from the rate contract holder and will be black listed for a period of 3 years.

**c)** Items declared as "Not of Standard Quality" by the Drugs Controller should be replaced at no extra cost within 30 days from the date of receipt of intimation failing which 5% penalty will be levied for the belated supplies made within another 30 days, failing which the purchaser shall be free to proceed with the purchase from alternate sources.

**d)** In case of dispute, regarding the non-conformity with the specifications, the decision of KVAFSU, Bidar will be final.

**14. Liquidated damages/ Penalty**

**14.01** When the supplied drugs & chemicals are found to be of **not of standard quality** during the tests as per the 'Technical Specifications', a sum equivalent to 0.5 percent of the cost of the entire batch of such "**not of standard quality**" drugs/medicines towards destruction and disposal charges will be levied on the supplier.

**14.02** A fresh stock of good quality drugs chemicals equivalent to the "**not of standard quality**" stocks shall be supplied within thirty days.

**15. FALL CLAUSES:**

**15.01** The price quoted shall not in any case exceed the maximum wholesale ceiling price (bulk), if any, fixed by the Govt. of India /any State Government or Government undertakings or the Whole Sale price fixed by the bidder for General Market.

**15.02** The Rate contract holder if he reduces the price of the item to any of the institutions in Karnataka viz., Departments, Universities, Federations, Corporations etc. during the currency of Rate Contract shall notify the same to the department and shall supply the item/s at the rates notified by the Rate Contract holder.

**16. Failure to comply with the Contract provisions**

a) Disqualification of the Contractor and his firm from participating in any of the tenders of this Department for the next Three years, besides immediate termination of the existing contract.

In the event of supplies failing in quality test, the purchaser reserves the right to purchase from alternate source.

b) Further, **The Karnataka Veterinary Animal and Fisheries Sciences University, Bidar or its authorized officers including the indenter** reserves the right to cancel the contract and forfeit all the dues and deposits of the contractor if the quality failure happens to be of grave nature affecting the production capability or health of the animals. This shall be, however, notwithstanding any other action that might be proceeded with, under the relevant laws.

c) Such firms may be liable to be blacklisted for 3 years beginning from the year, in which defective supply was detected notwithstanding any action under the Drugs & Cosmetics Act.

**Other General Terms & Conditions:**

1. The bidder representative shall be allowed entry upon consignee premises for such visit, only upon the express conditions that the bidder will release and indemnify the buyer and consignee against all liabilities arising out of such visit including death or injury, loss or damage to property and any other loss, damage, costs and expenses incurred as a result of such visit.
2. The bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the bidder to obtain all the necessary information with regard to site, surrounding, working condition, weather etc. on its before submission of the bid.
3. The supplier's GST number should be mapped to the relevant HSN code for the goods or services offered.

**Annexure-A**  
**AGREEMENT**

To:

**The Co-Ordinator,**  
Tender Processing Cell,  
Regional office, Hebbal,  
Karnataka Veterinary, Animal and Fisheries Sciences University,  
Bangalore- 560024, Karnataka state

Affix the Photograph  
of the person signing  
the document with  
seal & Signature

Sir,

Having examined the tender documents in connection with supply of Equipment's, Chemicals and Medicines/Drugs to your University during 2024-25, called by you,

I/We, the undersigned offer to supply and deliver the goods in conformity with the terms and conditions of the tender at the rates quoted in the commercial/ price bid, if the contract is awarded in my/our favour.

I/We understand that the quotation offered shall be valid for a period of 1years from the date of acceptance of offer which may further be extended by another six months if required by you.

I/We undertake if our quotation is accepted I/We will enter into Contract to deliver the goods accordingly.

I/We agree to abide by this tender for the period as above & during the extended period, in case of extension.

I/We undertake to Security Deposit amount in accordance with the terms and conditions of the tender if our offer is accepted.

I/We until a formal contract is prepared and executed, the tender together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us

I/We understand that, in competing for (and, if award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of corruption Act 1988".

I/We understand that you are not bound to accept the lowest or any quotations you may receive.

Place: Phone No. (Off) \_\_\_\_\_ (Res) \_\_\_\_\_

Date: Fax No. \_\_\_\_\_  
Signature

Name & address of the person signing the tender form Signature \_\_\_\_\_  
Name in capital

NOTE: 1) The quotations shall be indicated in the format attached.  
2) Quotations not in the format will be rejected.  
3) Duly authorized to sign tender for and on behalf of \_\_\_\_\_  
In what capacity Seal of the Firm

**Section VI**

**SPECIFICATIONS**

**FOR**

**MODIFICATION OF ANTHRAX VACCINE  
PRODUCTION LABORATORY (LAB-4) AND  
RABIES VACCINE PRODUCTION LABORATORY  
(LAB-5) AT IAH & VB, HEBBAL, BANGALORE**

## **TENDER DETAILS FOR THE MODIFICATION OF VACCINE MANUFACTURING FACILITIES AS PER GMP( Lab 4 and 5)**

Institute of Animal Health and Veterinary Biologicals functioning under KVAFSU is funded by the State Government of Karnataka state - Institute has the main mandate of production of vaccines and diagnostics for veterinary use. Vaccines are supplied free of cost to farmers through veterinary dispensaries/hospitals of the Department of Animal husbandry and Veterinary Services.

As per the Drug controller of India, all the manufacturing/production facilities should implement the Revised Schedule –M guidelines and accordingly the production facilities should be in compliance with GMP guidelines. Hence the tenders are invited for modification of existing building space suitable for vaccine productions specified as per GMP.

- 1. Modification and execution of virology lab requiring negative pressure for handling zoonotic viruses ( Lab 5) as per the designs uploaded**
- 2. Modification and execution of Bacteriology lab requiring negative pressure for handling spore producing zoonotic bacteria (Lab 4) as per the designs uploaded**

- 1. The tenderer has to visit the site to know the existing status of the facility and apply to tender accordingly plan for modifications /renovations as per the uploaded designs**
- 2. The modified facility should meet all the requirements as per revised schedule-M for production of vaccines specified and the firm should assist in obtaining GMP certification after the validation of the labs**
- 3. To modify the facility to handle zoonotic pathogens with negative pressure area**

### **Description of work and details**

**Tenderers interested in participation have to visit the site to know the existing status of the facility and accordingly plan for modifications /renovations as per the uploaded designs**

The Laboratories to be modified are located in second floor and constructed with columns and beams with brick or hollow brick walls.

The tenderers have to examine the actual structure and facilities available so as to modify the laboratories suitable to meet the revised schedule-M guidelines and ultimately to get the GMP certification to the product produced.

The following utilities are available:

1. Chiller with capacity sufficient for the proposed labs is available. Pipelines terminated to connect these labs have to be connected.
2. Utility pipelines for, raw water, PW, WFI, Plant steam, pure steam, compressed air, CO<sub>2</sub>, N<sub>2</sub> are to be connected from the points available.
3. Electrical connections need to be taken from nearest available panels.
4. Intercom and internet connections from the existing points.
5. Drain points to be connected to existing biological decontamination unit

**The successful bidder for this Project shall have to modify the facility, validate and certify all the above areas as one turnkey Project.**

Thus the scope of work for this Project shall include:

- Executing the approved designs,
- Completion of all the building jobs,
- Validation and certification of the modified labs –as built, at rest and at operation
- Assist in obtaining the GMP certificate from the competent authorities.
- Provisions for UPS for lighting, CC cameras, LED lighting, public announcement system, internal intercoms, smoke alarms, fire alarms, need to be considered.
- Finally the completed facility should be handed over to the Institute.

## **Eligibility to apply to the tender**

### **Part A**

The firm should submit the tender in the prescribed format showing their capability and competence in carrying out this project and their applications should include the following **documentary proofs** in support of their claim for following aspects:

(a) Proof of experience in design /construction and validation of clean rooms for vaccine manufacturing units/ pharma companies of Govt. or private agencies nationally or internationally.

**At least few of the GMP facilities should be fully operational at the time of sending the application, satisfactory certificates or GMP certification obtained for the labs need to be enclosed. The Bidder should have successfully completed at least one similar type of works during the last 5 years (Completion certificate required). At least one of the GMP**

**facilities executed should be operational at the time of application, meeting the GMP requirements.**

- (b) The firm should have sufficient experience in design, construction and validation of veterinary /human biological facilities
- (c) The firm should enclose the printed brochure /company profile
- (d) The applicant must provide the names of the Institutions, their full address and the contact numbers of the concerned persons at the facilities where the firm has carried out or carrying out such works.
- (d) The firm having proof for operation in India or abroad should enclose their turnovers (balance sheet) for the past three years for the purpose of evaluation.
- (e) Any other documentary record to prove their expertise in the field of modifications of labs / experience of persons involved in design /execution etc.

**Technical documents to be uploaded.**

**Apart from the documents mentioned in the tender notification, the following technical documents are also to be uploaded.**

1. All the documents presented and mentioned in **Part A**
2. A detailed BOQ with specifications.
3. BMS details – Make and other details
4. AHUs – type, number, their location etc.

**Note: Suitable changes/minor modifications to the uploaded drawings/design should be considered at the time of execution for the betterment of the project**

**BOQ**



**ಕರ್ನಾಟಕ ಪಶುವೈದ್ಯಕೀಯ, ಪಶು ಹಾಗೂ ಮೀನುಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೀದರ**  
**KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES UNIVERSITY, BIDAR**

**MODIFICATION OF ANTHRAX VACCINE PRODUCTION LABORATORY (LAB-4) AND RABIES VACCINE PRODUCTION LABORATORY (LAB-5) AT IAH & VB, HEBBAL, BANGALORE**

**BOQ - LAB-4&5**

| Sl. No                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Quantity | Rate | Amount |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
| <b>SCOPE OF WORKS</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |      |        |
| <b>1 Civil Works</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |      |        |
|                                  | <b>A) Demolition Works</b><br>Demolition of internal brick walls, Lintel beams, granite platforms, slabs, sanitary fixtures, sanitary line and pipe lines, floor tiles & dado tiles, doors, windows, false ceiling, gypsum partitions, etc.. and disposal at outside the campus to appropriate disposal area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |      |        |
|                                  | <b>B) Modification works</b><br>a) Providing brick masonry work wherever necessary.<br>b) Raking out old plaster of internal walls, ceiling and external wall and replaster with waterproofing treatment with 15mm thick for internal walls, 6 mm thick for ceiling and 15mm thick for external walls with plaster mesh.<br>c) Terrace waterproofing treatment after removing old screed concrete, by applying Polyurethane based Single Component on existing surface and providing with M20 grade screed concrete with proper slope.<br>d) Painting work for internal wall with acrylic emulsion paint with wall putty, external wall with exterior grade acrylic paint and steel works with synthetic enamel paint.<br>e) MS Platform for AHU's, to be decided at the time of execution depends on capacity as per the instruction of Engineer in charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |          |      |        |
| <b>2 HVAC System (AHU Works)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |      |        |
|                                  | <b>AHU</b><br>Supply, Installation, Testing and Commissioning of air conditioning, double skin air handling units of GSS powder coated sheet metal, cabinet type, modular construction. Unit frame work shall have internally coved aluminum extrusion finish with thermal break profile. The panels shall be of double-skinned construction with outer & inner skin being of pre coated GI Sheet. They shall incorporate min 25 mm thick Mineral wool / Rock wool insulation material of 98Kg/M3 density, sandwiched between the external and internal sheets. Insulation shall be spread equal across the panel to avoid any air pocket. The unit panels skin thickness should be not less than 0.8 mm for outer skin and 0.6 mm for inner skin. All panels shall be sealed (anti fungicide sealant material) against the framework. The Panel shall be mounted flush with the frame members to create smooth surface inside and outside.<br>AHU shall be complete with Mixing Box with Fresh air & Return air volume damper with graduation & locking arrangement. Filter section with G4 Filter.<br>DX cooling coil section (Min. 4 rows) comprising of copper tubes with aluminium fins and Copper header & 2 bend PVC mist eliminator. Coil inlet & outlet connections shall be with MS Adaptor connected to copper header. Inlet & outlet connection shall have MS matching flanges with anti corrosive paint & matching flanges.<br>18 Swg SS 304 drain tray with 19mm thick cross linked polyolefin foam insulation. Float ball type drain trap shall be provided. SS temperature Probes before and after the coil section to be provided on the AHU casing. (The Cooling coil face area shall have anti corrosion paint applied at factory).<br>Fan Section complete with Backward curved Plug fans (NLT 70% efficiency) mounted on pedestal & common base frame, Direct driven by IE-3 motor suitable for Industrial type VFD operation. Blower protection perforated GI screen. Anti Vibration Spring type isolators for mounting Blower shall be considered.<br>Cable entry gland (1No for DOL and 2Nos for Star Delta) shall be provided on the AHU casing.<br>The Fan Section to be provided with Marine type light fixtures and Limit |      |          |      |        |

# BOQ - LAB-4&5

| Sl. No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Unit | Quantity | Rate | Amount |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
|        | <p>switch which shall be internally wired (running in conduit and neatly dressed) terminating in a switch on the AHU casing. Fire proof double canvas connections (Fungal Resistant and Lint free) to be used to connect the fan to the AHU Casing.</p> <p>Fine filter section with F7 &amp; F9 filters</p> <p>Empty Section with Low leakage Aluminium volume control damper for Supply outlet.</p> <p>Complete Units shall be mounted on a continuous common base frame &amp; with suitably rated anti vibration spring type isolators (provided along with the unit).</p> <p>All dampers shall be low leakage type with lock &amp; graduation arrangement.</p> <p>Blower &amp; Motor capacity shall be selected with a safety of at-least 10 % higher than rated capacity.</p> <p>The details to be read as AHU No (Cleanliness Class), TR Cooling Capacity, Air volume, Appx Static pressure, Indicative AHU Drive motor KW.</p> <p>Make: VTS, Loof Tech, Zeco, Blue Star and Carrier.</p>                                                                                                                                                                                                                                                                                                                                                                                                      |      |          |      |        |
|        | <p><b>Ducting &amp; Insulation</b></p> <p>Supply &amp; Errection of Factory Fabricated, Non-Soldered Ducting using GSS sheet with supply &amp; return outlets, with TDF flanges, 6mm the neoprene gaskets between each flange joint. Gripple duct Supports to be included for suspending from Roof . Reinforcement with GI rod supports has to be included after every two Gripple supports . The supply / delivery to be at site. Duct Construction to be As per SMACNA 1" W.G with 20x6 mm thick gasket. All necessary accessories like Flanges, Gaskets, Bolt, Nut, Washers, Duct supports, anchor Bolts etc. shall be considered.</p> <p>20 &amp; 22 swg</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |      |        |
|        | <p><b>Electric Duct Heater</b></p> <p>Supply, Installation, Testing &amp; Commissioning of Flange-in-type Finned tubular air heating elements of Incoloy-800, Stainless-steel 304 sheathed tubular elements of U/M shape which are mounted on a detachable terminal plate using galvanized retainers .The Terminals are supported by Ceramic bushings staked in to supporting brackets. A mounting flange permits attachment to the duct work. The Electric shall include the Incomer terminal bus bar ,Transformer , Power fusing, Circuit breaker , Magnetic contactor along with pilot lights/switch /relay , Step controller, Time delay between steps and safeties like Thermal safety devices(thermal cutout and thermal fuses), Temp auto thermostat, fan control relay and complete with factory internal wiring with heat resisting copper conductor and cabling , insulated walls, glanding, earthing, and interconnections all housed in In 16SWG G.I Enclosure in the main supply air duct at suitable location and complete as required. The heaters should be arranged in independently operating banks Strip Heater capacity should cater for all seasonal variations and changes in equipment / product load from 0% - 100%. The minimum capacity of strip heaters shall be as indicated below. The size of the Duct Heater to be based on the CFM and the available Duct Size.</p> |      |          |      |        |
|        | <p>Thermal Insulation of supply air ducts with Self adhesive type, physically cross linked poly olefin foam insulation with factory applied reinforced aluminum foil facing on one side. The Joints shall be sealed using factory supplied reinforced aluminium foil tape 75mm wide.</p> <p>19 &amp; 13 mm thick</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |          |      |        |

## BOQ - LAB-4&5

| Sl. No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Rate | Amount |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
|        | Insulated Flexible Duct With Necessary Fixing Clamps<br>Supply, Installation, Testing and Commissioning of The insulated flexible duct shall be class 1 air duct, light weight, strong, fully flexible & made of double lamination of films permanently bonded to a coated spring tough steel wire helix. The thermal efficiency is ensured with a blanket of fiberglass wool insulation in between.                                          |      |          |      |        |
|        | Drain Piping<br>Supply, installation, testing & commissioning of Drain Piping from the indoor units / AHU's to the nearest drain main header. Drain Piping shall be Hard CPVC-. Drain Piping shall be insulated with 9mm electron beam (physically) cross linked polyolefin foam insulation with factory applied reinforced aluminium foil facing on onside, material having class "O" for fire properties (Make : Thermobreak).<br>25 & 50mm |      |          |      |        |
|        | Supply Installation Testing and Commissioning of MS C Class Chilled Water Piping connection with necessary Fittings, Flanges, Elbows, Nipple, Collar, pipe saddles, Nut Bolt Gaskets etc. On top will be covered with 25mm thick Nitrail rubber and 26 gauge aluminium cladding<br>Chilled water Pipe of Size- 125, 65, 50, 40, 25mm Dia Main Line                                                                                            |      |          |      |        |
|        | Drain Pipe MS D class of size- 80mm dia, Butterfly valve of size 125, 65, 50, 40, 25mm dia, Balancing valve of size 65, 50, 40, 25mm dia, Y Stainer of size 50, 40, 25mm dia, Three way modulating valve with thermostate 65, 50, 40, 25mm dia, Air vent of 25mm, Pressure Gauge Dial type in bar, Temperature gauge analog type, Safen cocke with Bal valve. Controller &                                                                    |      |          |      |        |
|        | Field Devices For AHU<br>Stand Alone Controller of PLC controller housed in a control panel complete with MCB control, transformer and internal wiring.                                                                                                                                                                                                                                                                                       |      |          |      |        |
|        | Temperature & RH Dual sensor Duct type.                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |      |        |
|        | Complete control & power panel with mounting of PLC, Display. It also consists starter of fan ON /OFF & overload indication. The Panel is of 16SWG, siemens grey colour .                                                                                                                                                                                                                                                                     |      |          |      |        |
|        | CONTROL CABLING & END TERMINATION FOR AHU-1<br>Looping for Temperature sensors - 2Cx1 Sqmm Flame proof armored copper cable                                                                                                                                                                                                                                                                                                                   |      |          |      |        |
|        | Looping for RH sensors - 3Cx1 Sqmm Flame proof armoured copper cable                                                                                                                                                                                                                                                                                                                                                                          |      |          |      |        |
|        | Flexible Canvas connections for Indoor inlet & outlet                                                                                                                                                                                                                                                                                                                                                                                         |      |          |      |        |
|        | Supply & installation of Powder Coated Aluminum supply, double deflection grilles with GI damper section along with supply air modules suitable for fixing on oval duct and return air modules suitable for fixing on false ceiling / Exposed duct.                                                                                                                                                                                           |      |          |      |        |
|        | Volume control damper and Fire damper<br>Supply, Installation, Testing and Commissioning of Low Leakage GI Duct Volume Control Dampers (for duct system & with coloured graduation & locking arrangement and Fire Dampers with Fusible Links rated for 72°C. (Damper should have a micro switch to be interlocked to the AHU Motor).                                                                                                          |      |          |      |        |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |          |      |        |

## BOQ - LAB-4&5

| Sl. No   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Quantity | Rate | Amount |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
| <b>3</b> | <b>HEPA Filter</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lot  |          |      |        |
|          | <p>Supply, Installation, Testing and Commissioning of Terminal H14 HEPA Filter with Housing &amp; Damper (Bottom Discharge Module Type with SS304 perforated grille of 16 SWG sheet).</p> <p>Complete Housing (Sides + Top) made of extruded aluminium anodized material and low leakage aluminum collar damper with operating bevel gear arrangement, Diffuser Plate, Housing shall be suitable for fixing the Gel Seal type (Polyurethane gel) terminal HEPA filter (H-14 as per EN1882 Class) with Protective CG Screen.</p> <p>The Filter Housing shall have provision for smoke aerosol test point and differential pressure measuring point. The filter mounting box shall have a provision to replace filter &amp; control the airflow from inside conditioned space. The HEPA filter modules are of the following sizes:</p> <p>Filter Size 605 x 605 x 150 mm and 450 x 450 x 150 mm</p> |      |          |      |        |
| <b>4</b> | <b>Clean Room Paneling, Ceiling, Doors, DPB Work</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lot  |          |      |        |
|          | <p>Wall panel 80mm ( GI / GI ) 0.8 mm PC GPSP + 78mm PUF +0.8 mm PC GPSP</p> <p>Supply , Installation of Double Skin Modular Wall Panels Made of Powder Coated GPSP Sheets on Both Sides With PUF as infill of Density 40+/- 2 , GI / Aluminium reinforcement along with periphery and suitable floor track to accommodate the epoxy floor flush with wall panel. Joint shall be sealed with silicon sealant. ( food grade Approved Sealant to be used ), necessary Cut outs for switches, sockets, Push Buttons, magnaulic gauges, access control points. 80 mm Double skin thick For wall partition panels (standard panel size :1200mm x 3000mm). The colour to be decided at the time of execution.</p>                                                                                                                                                                                       |      |          |      |        |
|          | <p>Walkable False Ceiling panel 50 mm ( GI/GI ) 0.8 mm PC GPSP + 48.0 mm PUF +0.8 mm PC GPSP</p> <p>Supply , Installation of Double Skin Modular Ceiling Panels Made of Powder Coated GPSP Sheets on Both Sides With PUF as infill of Density 40+/-2KG/m3 , GI / Aluminium reinforcement along with periphery , Proper supporting with Alumium H-Grid with Threaded rods , Turn buckle Etc. Joint shall be sealed with silicon sealant. ( Food grade Approved Sealant to be used ), necessary Cut outs for supply grill modules, lighting &amp; pendants. The colour to be decided at the time of execution.</p> <p>50 mm Double skin thick for Ceiling panel</p>                                                                                                                                                                                                                                 |      |          |      |        |
|          | Aluminium Powder coated Coving ( male and Female), 3D Corners, 2D Corners                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |      |        |
|          | Supply , Installation of Double Glazed View Panels With flush design in modular wall panel fixed with 6mm thick clear toughened glasses with Black border coated Edge on both sides with 3M Tape , Proper setup for Fog should not be generate and dust proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |          |      |        |

## BOQ - LAB-4&5

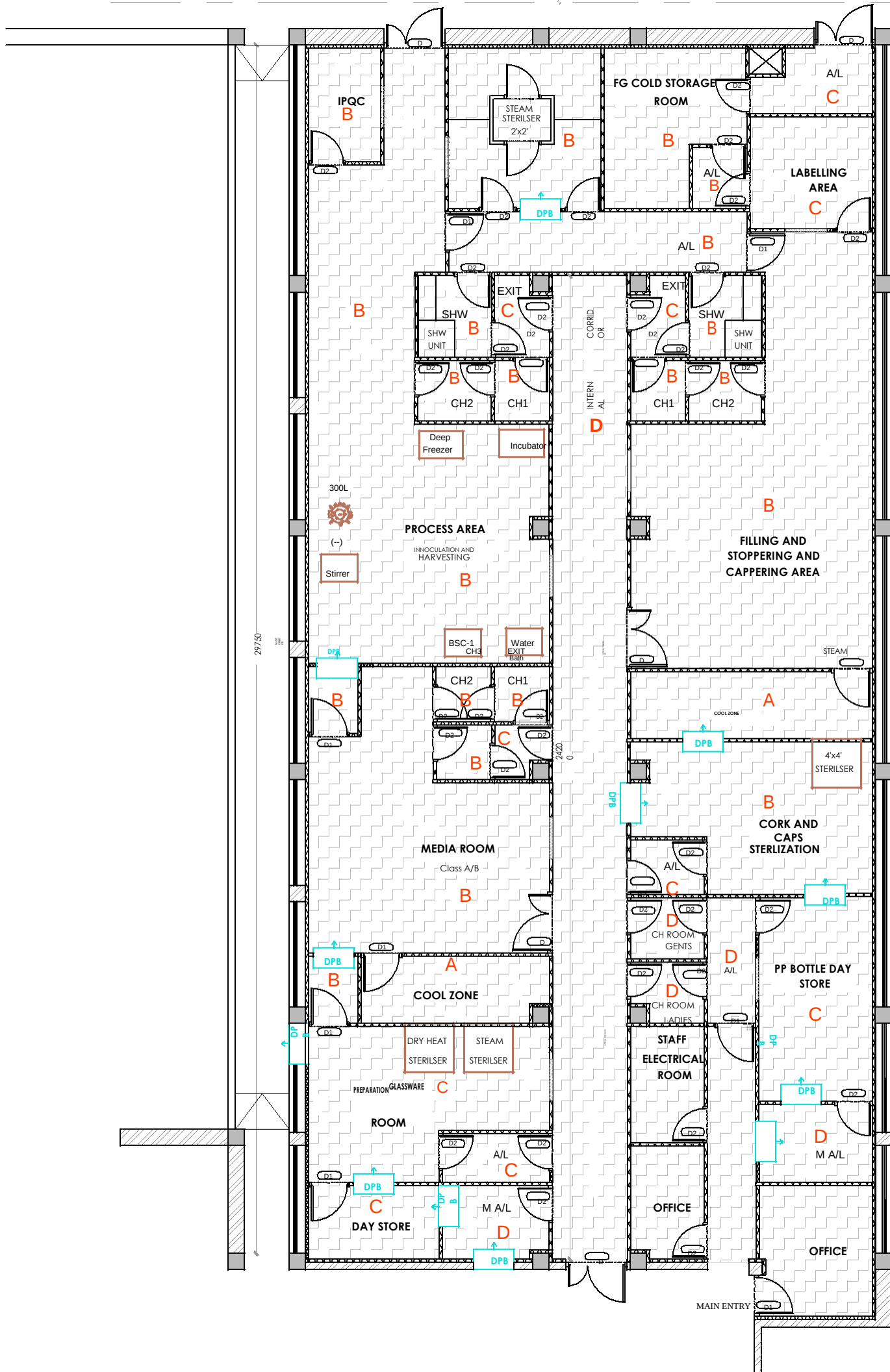
| Sl. No   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit | Quantity | Rate | Amount |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
|          | <b>Doors</b><br>Supply , Installation of 46 mm thick flush doors made of 1.2 mm thick GPSP sheet with PU powder coated on Both Sides and ROCKWOOL as infill of Density 100 kg/m <sup>3</sup> , 1.6mm thick GPSP powder coated door frames 100MM THICK / 50 mm / 230 mm wall and including all accessories like Air leakage Gasket for all periphery of the Door double glazing 5mm thick Toughened black border coated view glass and hardware SS push plate with 3M Tape SS Kick plate with 3M Tape Non-concealed door closure TS 72 Heavy duty (Dorma make), Both side Dead lock with key with Latch (Dorma make) SS D handle SS ball bearing butt hinges concealed tower bolt for the double door and Concealed drop seal per leaf etc. and all others accessories for Clean Room Door |      |          |      |        |
|          | <b>Dynamic Pass boxes</b><br>Supply and Installation of made of SS304 with Electro magnetic door interlocking, blower, double glazed viewing panel in both sided doors, magnehelic gauges for differential pressure monitoring, automatic drop seal in the doors etc., H-14 grade hepa filters for maintaining the cleanliness class, pre filter on clean side, testing, validation and documentation is included in the scope.<br>Working Area Size ( mm ) : 600 W)x 600 (D)x 600 (H) ( Single Leaf Doors )                                                                                                                                                                                                                                                                              |      |          |      |        |
|          | Supply and installation of LED indoor surface mounted teardrop cleanroom luminaire size 600 x 600 mm 40W and 100lm/W.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |          |      |        |
|          | Supply Installation Testing and commissioning of 2 door electromagnetic Interlocking systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |          |      |        |
|          | Supply and Installation of Megnehelic Gauge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |          |      |        |
|          | Supply , Installation of Return Air Raisers made of 1.0 mm thick GPSP sheets with necessary stiffeners and raiser shall be projected above the ceiling level for fixing of return air duct. . Provision for fixing of Damper, prefilter & RA grill.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |      |        |
| <b>5</b> | <b>Epoxy Flooring Works</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lot  |          |      |        |
|          | Applying Clean Room Epoxy Flooring, grind the floor for surface leveling ,clean the floor, finish the floor level surface evenly with cement mortar plaster on undulations with waterproofing compound before applying epoxy. After preparing the surface apply the crack filling where cracks appear and apply the primer of 2 mm screed , and apply 1mm top coat top coat as per approved colour at the time of execution.                                                                                                                                                                                                                                                                                                                                                              |      |          |      |        |
|          | Supply and Applying of Floor coving work removing Epoxy Coving 80R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |      |        |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |          |      |        |
| <b>6</b> | <b>Utilities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lot  |          |      |        |
|          | Raw water, Purified water, WFI plant steam,Clean steam, Compressed air, Cooling water, Chilled water, SS lines as per GMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |          |      |        |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |          |      |        |
| <b>7</b> | <b>Furnitures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lot  |          |      |        |
|          | SS Furnitures, Shoe Racks - 2 Nos, Cross over bench - 4 Nos, Pegion boxes - 2 Nos, Garment cabinet - 4 Nos, Revolving chair, work benches, Eye Wash, Shower Cabinet, Etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |      |        |

## BOQ - LAB-4&5

| Sl. No | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit | Quantity | Rate | Amount |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------|--------|
| 8      | <b>BMS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lot  |          |      |        |
|        | BMS Server machine with suitable processor, Process Visualization Software, DDC (Distributed Digital Control), CCTV, Digital Video Recorder, Smoke detector, Fire Alaram system and Door inter locker.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |      |        |
| 9      | <b>Validation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lot  |          |      |        |
|        | <p>VALIDATION, PERFORMANCE TESTING, BALANCING OF THE HVAC SYSTEM</p> <p>3rd party validation is to be carried out at the time of hand over with one year warranty and at the end of warranty period one more validation report shall be hand over.</p> <p>Commissioning of total job &amp; validation of clean rooms along with necessary reports comprising of :</p> <ol style="list-style-type: none"> <li>1. Duct Leakage Testing with Pressurization (As per SMACNA Air Duct Leakage Standards).</li> <li>2. HVAC Testing, Adjusting and Balancing.</li> <li>3. Air balancing with Flow Hood.</li> <li>4. Cleanroom Performance Testing, Adjusting, Balancing and Recording, As per DQ confirming 1S0-14644 Part - 3. Clean room validation to be done both at at rest conditions.                             <ol style="list-style-type: none"> <li>a. Air balancing with Flow Hood</li> <li>b. Room Temperature Test</li> <li>c. Room Pressure Balancing</li> <li>d. Filter Integrity Test</li> <li>e. Particulate Count</li> <li>f. Air Flow Visualization Test</li> <li>g. HEPA filter Integrity Test</li> </ol> </li> <li>5. Providing all documentation of DQ, IQ, OQ &amp; PQ in approved formats</li> </ol> |      |          |      |        |
| 10     | <b>Electrical Works</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lot  |          |      |        |
|        | <p>AHU Electrical Works - floor mounted AHU sub panel, VFD drive designed for HVAC applications.</p> <p>PVC Open conduit System, PVC Concealed conduit system, Point wiring using copper wire without switch, Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V Grade, flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates, modular switch mounting polycarbonate plate with necessary supporting back plate, modular switches &amp; Socket, MCB distribution boards, wiring Residual Current Circuit Breaker, LT UG cable and Earthing, underfloor (concealed) / Above false ceiling raceways, under floor junction boxes, Aluminium End Terminal (Lug), Heavy Duty Copper Terminal Long Barrel, UPS battery system, networking and communication system, Etc</p> <p>Lighting and AF points as per equipment facility, confirmed at the time of execution.</p> <p>Conduit Make: Poly cab, Havels, Finolex.</p>                                                                                                                                                                                                                                        |      |          |      |        |

**MODIFICATION OF  
ANTHRAX VACCINE PRODUCTION LABORATORY (LAB-4)  
AT IAH & VB, HEBBAL, BANGALORE.**





- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS MENTIONED.
  2. DRAWINGS SHALL NOT BE MEASURED FOLLOW WRITTEN DIMENSIONS.
  3. ANY DISCREPANCY IN THIS DRAWING OR ANY OTHER DRAWINGS RELATED TO THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY.
  4. ALL SERVICE SHAFTS TO BE FINISHED BY CIVIL CONTRACTOR AFTER LAYING THE SERVICE LINES BY OTHER RESPECTIVE SERVICE AGENCY.
  5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DETAIL DRAWINGS AS MENTIONED IN THE DRAWING.
  6. ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & CUT-OUTS. REF. STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS COLUMNS, BEAMS, REINFORCEMENT ETC.
  7. THROUGH/LINTEL TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.6 MTS AS PER STR. DTLS.
  8. ALL DOOR CLEAR OPENING IS PROVIDED INCLUDING THE FRAME.
  9. DOWELS PROVISION TO BE LEFT FOR PEDESTAL CASTING LATER.

| REV.NO. | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|---------|------|--------------------------|----------|------------|
|         |      |                          |          |            |
|         |      |                          |          |            |
|         |      |                          |          |            |
|         |      |                          |          |            |

SCHEDULE OF OPENING LAB 4

| S.NO | TYPE | DESCRIPTION | SIZE          |
|------|------|-------------|---------------|
| 1    | D    | DOOR        | 1500 X 2100MM |
| 2    | D1   | DOOR        | 1000 X 2100MM |
| 3    | D2   | DOOR        | 900 X 2100MM  |

FLOORING LEGEND



EPOXY FLOORING

ARCHITECT'S SEAL & SIGN:

| STATUS | TENDER ISSUE |
|--------|--------------|
|--------|--------------|

CLIENT:



KVAFSU  
BIDAR

Karnataka Veterinary,  
Animal and Fisheries Sciences  
University, Nandinagar,  
Bidar-585 401

|                                       |             |                    |
|---------------------------------------|-------------|--------------------|
| PROJECT TITLE:                        |             |                    |
| DRAWING NO:<br>KVAFSU/IAH-VB/A-22-100 | ISSUE<br>R0 | DATE<br>06-10-2025 |

|                                                   |  |  |
|---------------------------------------------------|--|--|
| DRAWING TITLE<br>PROPOSED FLOORING LAYOUT - LAB 4 |  |  |
|---------------------------------------------------|--|--|

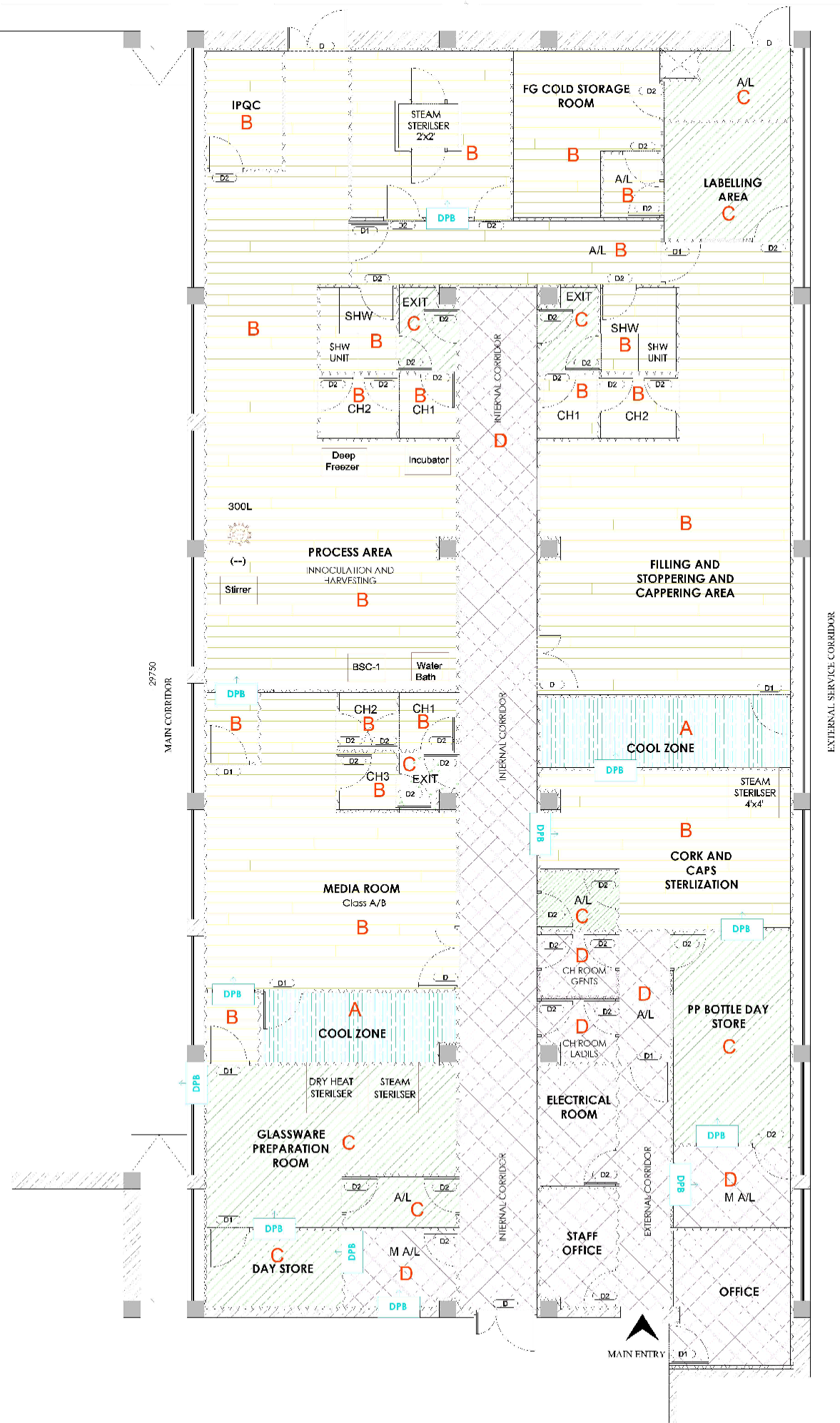
|                |                     |                    |
|----------------|---------------------|--------------------|
| DEALT<br>KM    | CHECKED BY:<br>JJ   | APPROVED BY:<br>JJ |
| SCALE<br>1:100 | DATE:<br>06-10-2025 | REVISION:<br>R0    |

EKAA Associates

ARCHITECTURE | INTERIORS  
VALUE ENGINEERING

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Ph: 9620941122, 98041203401  
email: ekasasociates@gmail.com





PROPOSED AEROBIC BACTERIA VACCINE LAB  
LAB-4[Anthrax ]-South West

CLASSIFICATION LEGEND

| HATCH | GRADE |
|-------|-------|
|       | A     |
|       | B     |
|       | C     |
|       | D     |

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLI METERS UNLESS SPECIFIED.
- DRAWINGS SHALL NOT BE MEASURED FOR ANY OTHER DIMENSIONS.
- ANY DISCREPANCY IN THIS DRAWING OR ANY OTHER DRAWINGS RELATED TO THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY.
- ALL SERVICE SHIFTS TO BE FINISHED BY CIVIL CONTRACTOR AFTER LAYING THE SERVICE LINES BY THE RESPECTIVE SERVICE AGENCY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DETAIL DRAWINGS AS MENTIONED IN THE DRAWING.
- ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & CUT-OUTS. REF. STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS, COLUMNS, BEAMS, REINFORCEMENT ETC.
- THROUGH UNITS TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.0 MTS AS PER STR. DTLS.
- ALL DOOR CLEAR OPENING IS PROVIDED INCLUDING THE FRAME.
- DOORVELS PROVISION TO BE LEFT FOR PEDESTAL CASTING LATER.

| REV. NO. | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|----------|------|--------------------------|----------|------------|
|          |      |                          |          |            |

SCHEDULE OF OPENING LAB 4

| S.NO | TYPE | DESCRIPTION | SIZE          |
|------|------|-------------|---------------|
| 1    | D    | DOOR        | 1500 X 2100MM |
| 2    | D1   | DOOR        | 1000 X 2100MM |
| 3    | D2   | DOOR        | 900 X 2100MM  |

AREA STATEMENT

LAB 4 - 457.5 SQ. M

ARCHITECTS SEAL & SIGN:

MODIFICATION OF  
RABIES VACCINE PRODUCTION LABORATORY (LAB-5)  
AT IAH & VB, HEBBAL, BANGALORE.

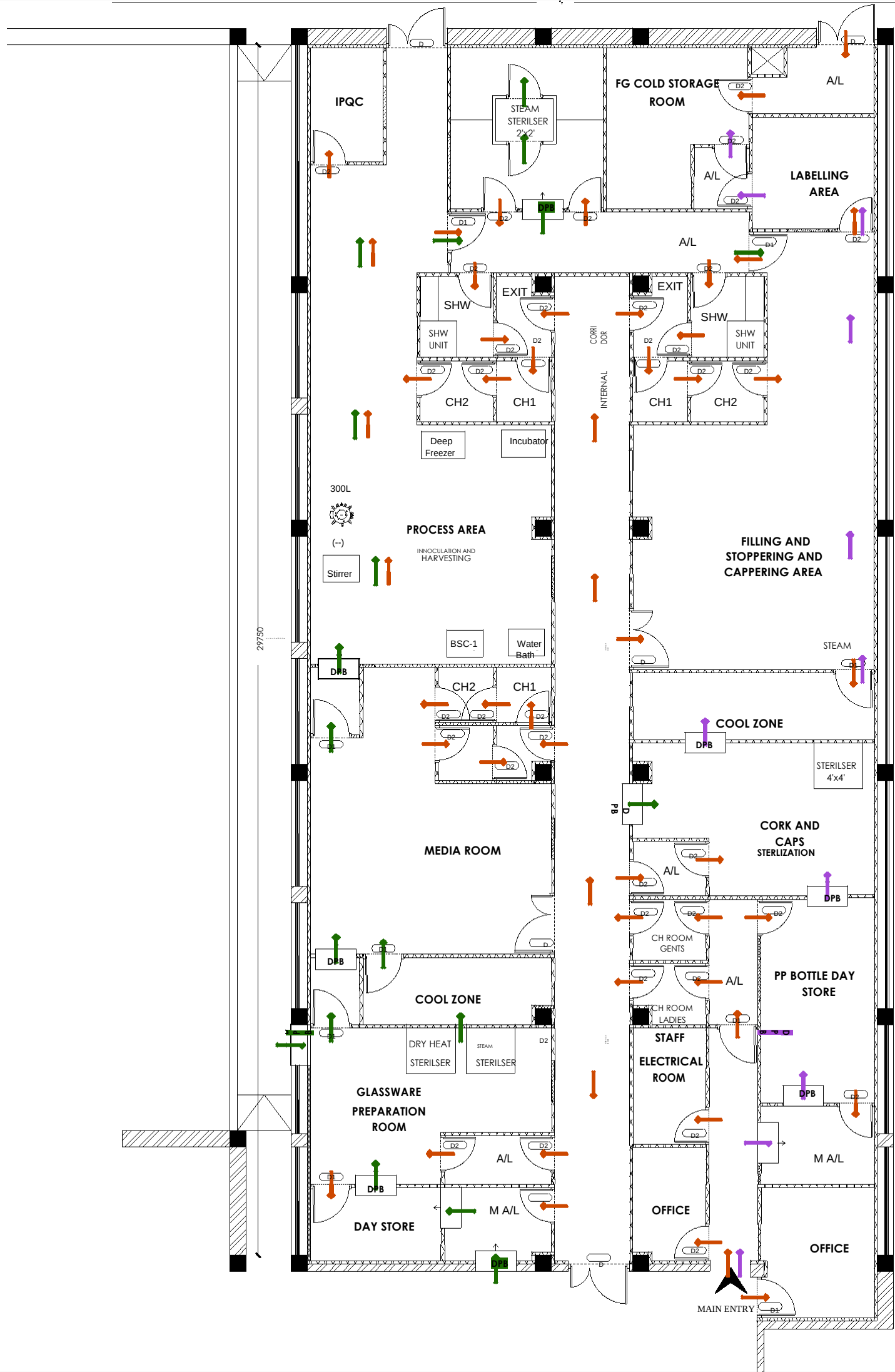
| STATUS                        | TENDER ISSUE                                                                                                          |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| CLIENT:<br><br>PROJECT TITLE: | KVAFSU<br>BIDAR<br>Karnataka Veterinary,<br>Animal and Fisheries Sciences<br>University, Nandinagar,<br>Bidar-585 401 |

| DRAWING NO:            | ISSUE | DATE       |
|------------------------|-------|------------|
| KVAFSU/IAH-VB/A-25-100 | R0    | 06-10-2025 |

DRAWING TITLE  
CLASSIFICATION ZONING - LAB 4

|                               |                                          |                                       |
|-------------------------------|------------------------------------------|---------------------------------------|
| DEALT<br>KM<br>SCALE<br>1:100 | CHECKED BY:<br>JJ<br>DATE:<br>06-10-2025 | APPROVED BY:<br>JJ<br>REVISION:<br>R0 |
|-------------------------------|------------------------------------------|---------------------------------------|

P&D - ARCHITECTURAL



- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS MENTIONED.
  2. DRAWINGS SHALL NOT BE MEASURED FOLLOW WRITTEN DIMENSIONS.
  3. ANY DISCREPANCY IN THIS DRAWING OR ANY OTHER DRAWINGS RELATED TO THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY.
  4. ALL SERVICE SHAFTS TO BE FINISHED BY CIVIL CONTRACTOR AFTER LAYING THE SERVICE LINES BY OTHER RESPECTIVE SERVICE AGENCY.
  5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DETAIL DRAWINGS AS MENTIONED IN THE DRAWING.
  6. ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & CUT-OUTS. REF. STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS COLUMNS, BEAMS, REINFORCEMENT ETC.
  7. THROUGH UNTEL TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.6 MTS AS PER STR. DTL.
  8. ALL DOOR CLEAR OPENING IS PROVIDED INCLUDING THE FRAME.
  9. DOWELS PROVISION TO BE LEFT FOR PEDESTAL CASTING LATER.

| REV.NO. | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|---------|------|--------------------------|----------|------------|
|         |      |                          |          |            |
|         |      |                          |          |            |
|         |      |                          |          |            |
|         |      |                          |          |            |

### CIRCULATION LEGEND

|  |                    |
|--|--------------------|
|  | PERSONNEL MOVEMENT |
|  | MATERIAL MOVEMENT  |
|  | VIAL MOVEMENT      |

|          |
|----------|
| CORRIDOR |
|----------|

ARCHITECT'S SEAL & SIGN:

| STATUS                                                                                                                                                 | TENDER ISSUE                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| CLIENT:<br>DRAWING TITLE:<br><br>KVAFSU<br>BIDAR<br>Karnataka Veterinary,<br>Animal and Fisheries Sciences<br>University, Nandinagar,<br>Bidar-585 401 | PROJECT TITLE:<br>MODIFICATION OF<br>RABIES VACCINE PRODUCTION LABORATORY (LAB-5)<br>AT IAH & VB, HEBBAL, BANGALORE. |
| DRAWING NO:<br>KVAFSU/IAH-VB/A-26-100                                                                                                                  | ISSUE<br>R0<br>DATE<br>06-10-2025                                                                                    |

### CIRCULATION MAPPING - LAB 4

|                |                     |                    |
|----------------|---------------------|--------------------|
| DEALT<br>KM    | CHECKED BY:<br>11   | APPROVED BY:<br>11 |
| SCALE<br>1:100 | DATE:<br>06-10-2025 | REVISION:<br>R0    |

EKAA Associates

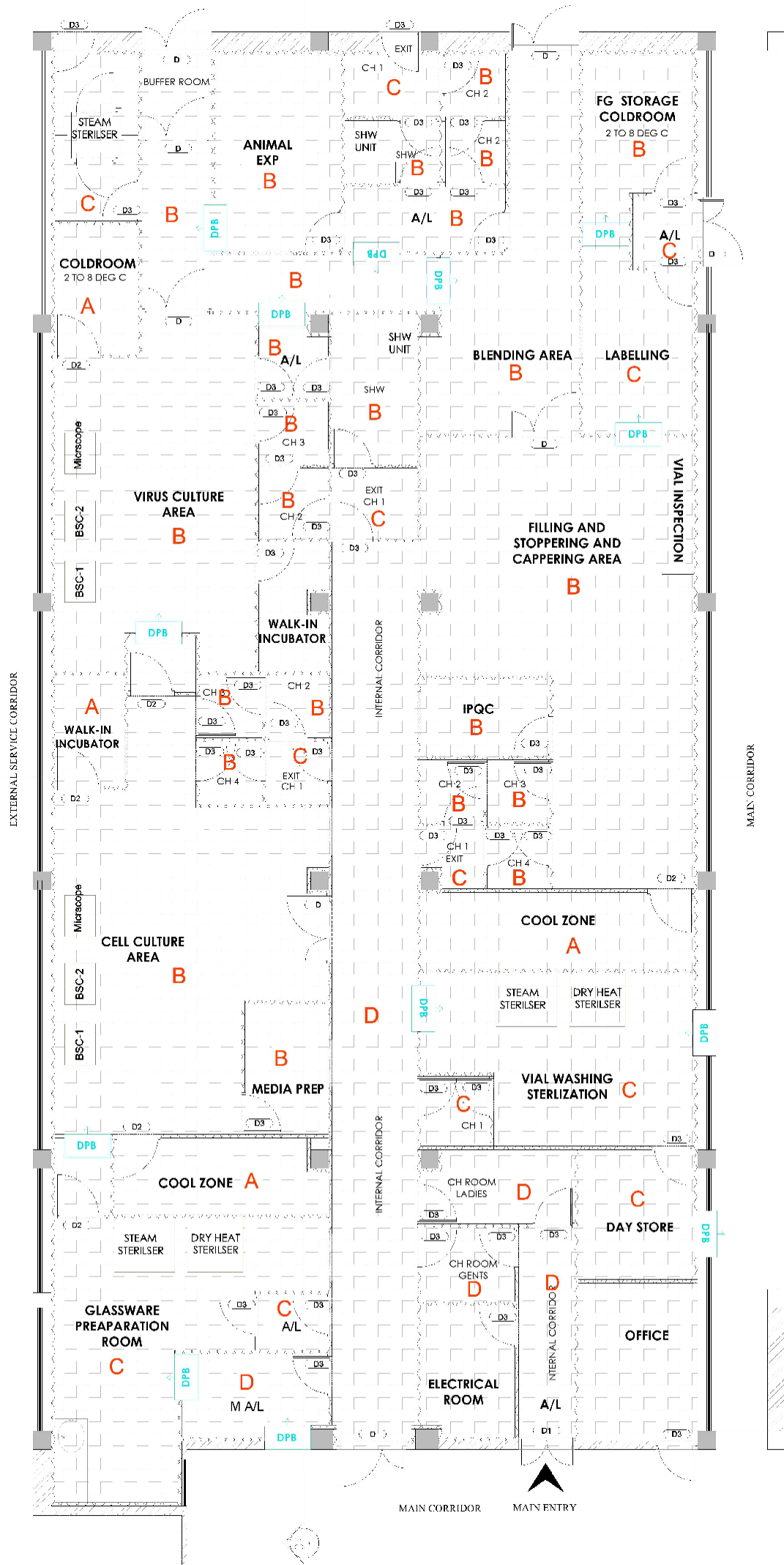
ARCHITECTURE | INTERIORS  
VALUE ENGINEERING

Office or workspace:  
No. 2, 2nd Floor, HMT Main ROAD,  
Bangalore 560084.  
Ph: 9609941122, 98041205401.  
email: ekasassociates@gmail.com



**MODIFICATION OF  
RABIES VACCINE PRODUCTION LABORATORY (LAB-5)  
AT IAH & VB, HEBBAL, BANGALORE.**





- GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED.
  2. DRAWINGS SHALL NOT BE MEASURED FOR ANY OTHER DIMENSIONS.
  3. ANY DISCREPANCY IN THIS DRAWING OR ANY OTHER DRAWINGS RELATED TO THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY.
  4. ALL SERVICE SHIFTS TO BE FINISHED BY CIVIL CONTRACTOR AFTER LAYING THE SERVICE LINES BY THE RESPECTIVE SERVICE AGENCY.
  5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DETAIL DRAWINGS AS MENTIONED IN THE DRAWING.
  6. ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & OUT-LOTS. REF. STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS, COLUMNS, BEAMS, REINFORCEMENT ETC.
  7. THROUGH LUNEL TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.0 MTS AS PER STR. DTLS.
  8. ALL DOOR CLEAR OPENING IS PROVIDED INCLUDING THE FRAME.
  9. DOORVELS PROVISION TO BE LEFT FOR PEDESTAL CASTING LATER.

| REV. NO. | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|----------|------|--------------------------|----------|------------|
|          |      |                          |          |            |
|          |      |                          |          |            |

SCHEDULE OF OPENING LAB 5

| S.NO | TYPE | DESCRIPTION | SIZE          |
|------|------|-------------|---------------|
| 1    | D    | DOOR        | 1500 X 2100MM |
| 2    | D1   | DOOR        | 1200 X 2100MM |
| 3    | D2   | DOOR        | 1000X 2100MM  |
| 4    | D3   | DOOR        | 900 X 2100MM  |

LAB 5 - 455.3 SQ. M

FLOORING LEGEND



EPOXY FLOORING

ARCHITECTS SEAL & SIGN:

MODIFICATION OF  
RABIES VACCINE PRODUCTION LABORATORY (LAB-5)  
AT IAH & VB, HEBBAL, BANGALORE.

| STATUS                                                                                                              | TENDER ISSUE                                                                                      |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| CLIENT:<br><br>KVAFSU<br>BIDAR | Karnataka Veterinary,<br>Animal and Fisheries Sciences<br>University, Nanjangud,<br>Bidar-585 401 |

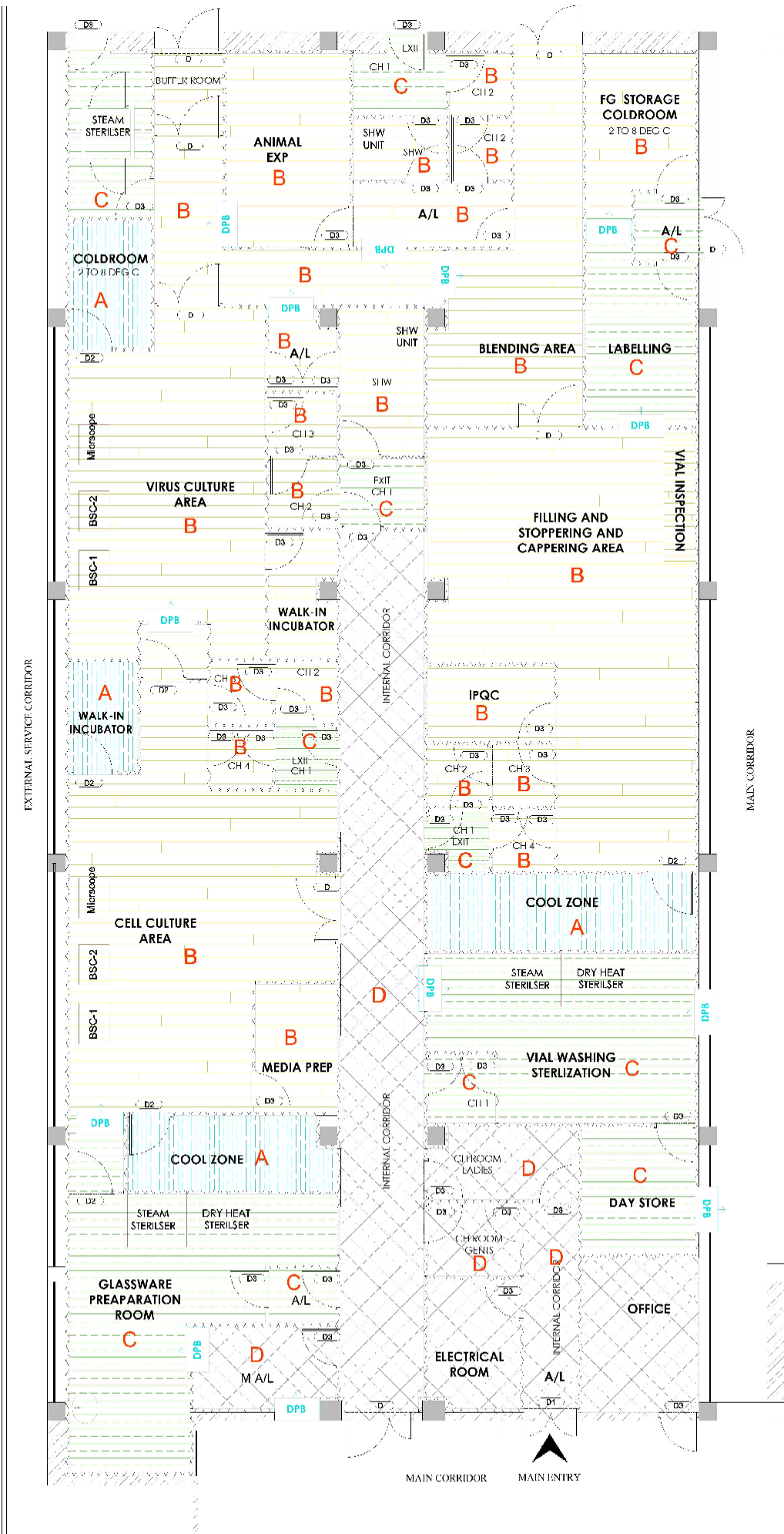
|                |                                       |             |                    |
|----------------|---------------------------------------|-------------|--------------------|
| PROJECT TITLE: | DRAWING NO:<br>KVAFSU/IAH-VB/A-22-100 | ISSUE<br>R0 | DATE<br>06-10-2025 |
|----------------|---------------------------------------|-------------|--------------------|

|                                                     |
|-----------------------------------------------------|
| DRAWING TITLE:<br>PROPOSED FLOORING LAYOUT - LAB 05 |
|-----------------------------------------------------|

|                               |                                          |                                       |
|-------------------------------|------------------------------------------|---------------------------------------|
| DEALT<br>KM<br>SCALE<br>1:100 | CHECKED BY:<br>JJ<br>DATE:<br>06-10-2025 | APPROVED BY:<br>JJ<br>REVISION:<br>R0 |
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P&D - ARCHITECTURAL



VIRUS VACCINE LAB  
LAB-5[Rabies ]-South East

CLASSIFICATION LEGEND

| HATCH | GRADE |
|-------|-------|
|       | A     |
|       | B     |
|       | C     |
|       | D     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                          |          |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|----------|------------|
| <b>GENERAL NOTES:</b><br>1. ALL DIMENSIONS ARE IN MILLI METERS UNLESS SPECIFIED.<br>2. DRAWINGS SHALL NOT BE MEASURED FOR CONSTRUCTION DIMENSIONS.<br>3. ANY DISCREPANCY IN THIS DRAWING OR ANY OTHER DRAWINGS RELATED TO THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY.<br>4. ALL SERVICE SHIFTS TO BE FINISHED BY CIVIL CONTRACTOR AFTER LAYING THE SERVICE LINES BY THE RESPECTIVE SERVICE AGENCY.<br>5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DETAIL DRAWINGS AS MENTIONED IN THE DRAWING.<br>6. ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & CUT-OUTS. REF. STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS, COLUMNS, BEAMS, REINFORCEMENT ETC.<br>7. THROUGH LUNEL TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.0 MTS AS PER STR. DTLS.<br>8. ALL DOOR OPENING IS PROVIDED INCLUDING THE FRAME.<br>9. DOORVELS PROVISION TO BE LEFT FOR PEDESTAL CASTING LATER. |      |                          |          |            |
| REV. NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                          |          |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                          |          |            |

SCHEDULE OF OPENING LAB 5

| S.NO | TYPE | DESCRIPTION | SIZE          |
|------|------|-------------|---------------|
| 1    | D    | DOOR        | 1500 X 2100MM |
| 2    | D1   | DOOR        | 1200 X 2100MM |
| 3    | D2   | DOOR        | 1000X 2100MM  |
| 4    | D3   | DOOR        | 900 X 2100MM  |

AREA STATEMENT

LAB 5 - 455.3 SQ. M

ARCHITECTS SEAL & SIGN:

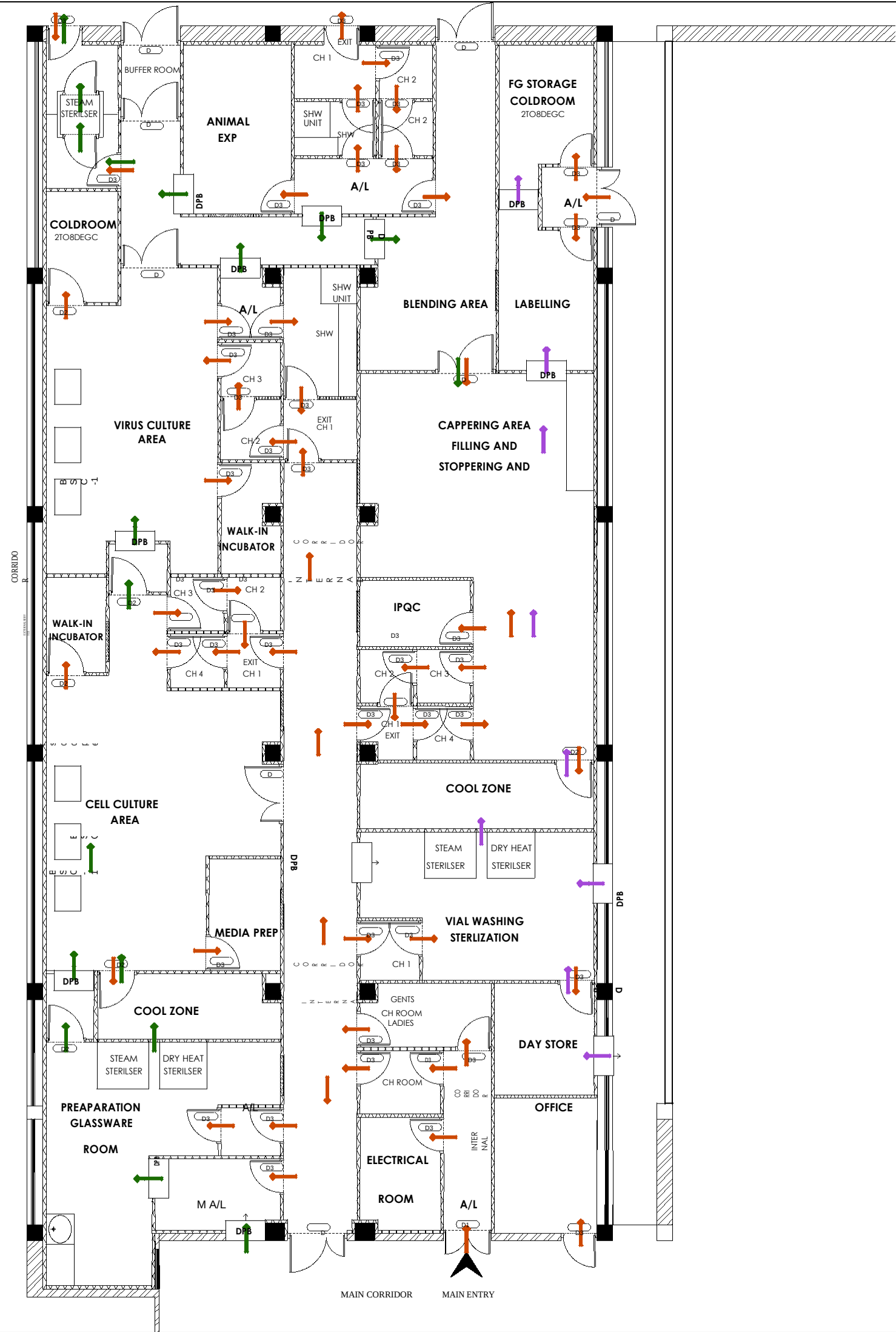
MODIFICATION OF  
RABIES VACCINE PRODUCTION LABORATORY (LAB-5)  
AT IAH & VB, HEBBAL, BANGALORE.

|                        |       |                 |                                                                                                    |
|------------------------|-------|-----------------|----------------------------------------------------------------------------------------------------|
| STATUS                 |       | TENDER ISSUE    |                                                                                                    |
| CLIENT:                |       | KVAFSU<br>BIDAR | Karnataka Veterinary,<br>Animal and Fisheries Sciences<br>University, Nanjangud,<br>Biclor-585 401 |
| PROJECT TITLE:         |       |                 |                                                                                                    |
| DRAWING NO:            | ISSUE | DATE            |                                                                                                    |
| KVAFSU/IAH-VB/A-25-101 | R0    | 06-10-2025      |                                                                                                    |

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|-------------------------------|---------------------|--------------------|
| DRAWING TITLE                 |                     |                    |
| CLASSIFICATION ZONING - LAB 5 |                     |                    |
| DEALT<br>KM                   | CHECKED BY:<br>JJ   | APPROVED BY:<br>JJ |
| SCALE<br>1:100                | DATE:<br>06-10-2025 | REVISION:<br>R0    |



P&D - ARCHITECTURAL



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  6. ARCHITECTURAL DRAWINGS TO BE FOLLOWED FOR PROFILES & CUT-OUTS. REF: STRUCTURAL.
  7. DRAWINGS FOR STRUCTURAL ELEMENTS COLUMNS, BEAMS, REINFORCEMENT ETC.
  8. THROUGH LINTEL TO BE CAST WHEREVER WALL HT. IS MORE THAN 3.6 MTS AS PER STR. DTLS.
  9. ALL DOOR CLEAR OPENING IS PROVIDED INCLUDING THE FRAME.
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| REV.NO. | DATE | DESCRIPTION FOR REVISION | DRAWN BY | CHECKED BY |
|---------|------|--------------------------|----------|------------|
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|         |      |                          |          |            |

CIRCULATION LEGEND

- 
- PERSONNEL MOVEMENT
- 
- MATERIAL MOVEMENT
- 
- VIAL MOVEMENT

ARCHITECT'S SEAL & SIGN:

|                                                                        |        |              |
|------------------------------------------------------------------------|--------|--------------|
| CLIENT:                                                                | STATUS | TENDER ISSUE |
| <b>RABIES VACCINE PRODUCTION LABORATORY (LAB-5)</b><br>KVAFSU<br>BIDAR |        |              |
| PROJECT TITLE: MODIFICATION OF<br>AT IAH & VB, HEBBAL, BANGALORE.      |        |              |
| DRAWING NO:                                                            | ISSUE  | DATE         |
|                                                                        |        |              |

|                                            |                  |                 |
|--------------------------------------------|------------------|-----------------|
| DRAWING TITLE: CIRCULATION MAPPING - LAB 5 |                  |                 |
| DEALT KM                                   | CHECKED BY: JJ   | APPROVED BY: JJ |
| SCALE 1:100                                | DATE: 06-10-2025 | REVISION: R0    |

EKAA Associates

ARCHITECTURE | INTERIORS  
VALUE ENGINEERING

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email: ekassociates@gmail.com