



राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान  
National Institute of Animal Biotechnology



**An Autonomous Institute of the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India**

### STORES AND PURCHASE SECTION

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### **NOTICE INVITING TENDER (TWO BID SYSTEM)**

#### **E-PROCUREMENT UNDER CENTRAL PUBLIC PROCUREMENT PORTAL**

On behalf of the Director, NIAB - Hyderabad, India, **online bids** through [www.eprocure.gov.in](http://www.eprocure.gov.in) are invited under **TWO Bid System** from manufacturers or their authorized agents/distributors dealing in the product /service as per specification for the supply / installation/ commissioning of the following item(s) / Provide the Service /Work mentioned in Chapter-1 &6 of this NIT.

**KINDLY NOTE THAT ONLY ONLINE BIDS WILL BE CONSIDERED AGAINST THIS TENDER.**  
**MANUAL SUBMISSION OF BIDS WILL NOT BE ACCEPTED.**

**Website for Online Bid Submission: <https://eprocure.gov.in>.**

**E-Tendering Procedure:** The procurement shall be carried out through submission of online tenders only. No offer in physical form will be accepted and any such offer if received by NIAB will be rejected. Tender documents can be downloaded from our website [www.niab.org.in](http://www.niab.org.in) or website of CPPP [www.eprocure.gov.in](http://www.eprocure.gov.in). The bidders will be required to submit their bids online on the e-Procurement module using website [www.eprocure.gov.in](http://www.eprocure.gov.in). Only. The bidders can enrol themselves on the website <http://eprocure.gov.in> using the option “Click here to Enrol”. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company's name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <http://eprocure.gov.in> under the link “Information about DSC”. The web site also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference.

**Please visit website: - <http://eprocure.gov.in/eprocure/app> and click following section for complete information about E -Procurement process.**

- **[Help For Contractors](#)**
- **[Information About DSC](#)**
- **[FAQ](#)**
- **[Bidders Manual Kit](#)**

**The helpdesk numbers for any technical queries related to operation of the Central Public Procurement Portal**

For any technical related queries E- Mail Support: [support-eproc@nic.in](mailto:support-eproc@nic.in) , [cppp-nic@nic.in](mailto:cppp-nic@nic.in) , **Please visit website: - <http://eprocure.gov.in/eprocure/app> or please call at 24 x 7 Help Desk Number 0120-4200 462 , 0120-4001 002 , 0120-4001 005 , 0120-6277 787 International Bidders are requested to prefix +91 as country code ( Please check website for latest numbers as updated (if any) .**

Any queries relating to the NIT document and the terms and conditions contained therein should be addressed to the Manager (Store& Purchase) of NIAB on the contact details mention on the top of this page.

## CONTENTS OF BIDDING DOCUMENT/NIT

CHAPTER NO	PARTICULAR
1	NIT/DETAILS OF REQUIRMENTS /EMD/TENDER FEES/IMPORTANT DATES
2	INFORMATION FOR BIDDERS (PART-1)
3	INFORMATION FOR BIDDERS (PART-2)
4	GENERAL CONDITIONS OF CONTRACT
5	REQUIRED DOCUMENTS/FORMAT WITH BID (TO BE UPLOADED ONLINE)  <b>(format to keep ready before online submission of bids ,(Tenderers are required to print this on their company’s letter head and sign, stamp ,scan , keep pdf file ready before starting of online tender submission )</b>
6	TECHNICAL BID COMPLIANCE FORM SPECIFICATION, OTHER REQUIREMENTS OF THIS NIT

**IMPORTANT NOTE: - PLEASE READ CHAPTER 5 CAREFULLY AND KEEP SCANNED FORMAT DOCUMENTS READY BEFORE SUBMISSION OF THE BID.**

Main Process flow to help you in submission of tender. -

- Take DD ,Write Tender No , Name of Firm , Contact No on backside of DD. Send the DD to NIAB- Hyderabad Address as per due date. SCAN IT IN PDF FORMAT AND UPLOAD ON CPPP before sending it to NIAB. In case of wire transfer, please upload the transaction details of wire transfer on CPPP portal & also send transaction details by E-mail on [spm@niab.org.in](mailto:spm@niab.org.in) --- for ready information.
- Read Chapter No 5 & 6 carefully & Keep required documents ready, scan it as per file format to be uploaded in Cover -1.

**Few of the conditions/ forms in this document may not be applicable for Service/Work requirement as per this tender. Write “NA” in any of the form wherever it is suitable/applicable as per bid submitting firm considering the requirement in tender.**

## CHAPTER-1

### NIT/DETAILS OF REQUIRMENTS /EMD/TENDER FEES/IMPORTANT DATES

S N	Name of item	Qty.	Put this Ref. No. on the top of cover	Bid Type
1	<b>CONSTRUCTION OF TRANSGENIC GOAT SHED- COMPRISING OF CIVIL,FABRICATION,ELECTRICAL AND ROAD WORKS AT NIAB CAMPUS AS PER NIT SPECIFICATION/SCOPE OF WORK &amp; FURTHER AMENDMENT IF ANY. (<u>Detailed Specifications in Chapter 6</u> )</b>	As per Specific ations No	NIAB/SP/2021-22/21	<b><u>TWO</u> <u>BID</u>  <u>ONLINE</u></b>

<b>TENDER EMD (REFUNDABLE)</b>	<b>Rs Nil/-</b>	Tenders without <b>TENDER PROCESSING FEES / EMD</b> (if applicable) will be rejected.
<b><u>TENDER PROCESSING CHARGES</u></b> (THIS FEES IS NOT EXEMPTED TO ANY FIRM & NON REFUNDABLE). (This is not tender fees/cost of NIT document as tender is issued free of cost, can be downloaded on CPPP / NIAB website or will be E mailed if asked from NIAB. All the firms want to participate this tender must submit this charges failing which your Bid will be rejected)	<b>Rs 1500 /- (No exemption to any)</b>	<b><u>All the firms want to participate in this tender must submit Rs 1500 as processing charges failing which your Bid will be rejected. Only EMD exemption is allowed as per chapter 4 -page no 8 of this NIT. For MSE/NSIC registered firms please read page no 8 of this NIT before claiming exemption (if any) for EMD only. Non Compliance/False information will result in rejection of Bid / Ban on Firm for future Tenders.( Rs 1500 /- No exemption to any firm, mandatory to submit the DD for all the firms)</u></b>
<b>MODE OF PAYMENT OF EMD/FEES</b>  <b><u>(SCANNED COPY OF TENDER FEE AND EARNEST MONEY IS TO BE UPLOADED ONLINE AT THE TIME OF SUBMISSION OF BID)</u></b>  <b><u>(IN CASE OF ANY PROBLEM IN GETTING THE DD DUE TO COVID LOCKDOWN, AMOUNT CAN BE TRANSFERRED AS PER DETAILS GIVEN)</u></b>	<b>Demand Draft</b> of any nationalized/commercial bank. <b>Please mention firm name &amp; contact no, tender ref no backside of demand draft. and Original DD must be sent to the NIAB HYDERABAD on or before Bid Submission Date &amp; Time as mentioned in Critical Date Sheet.</b>  Alternatively , Tender fee, can be paid through online mode via <a href="https://epayments.in.worldline.com/niab">https://epayments.in.worldline.com/niab</a> or Visit NIAB WEB SITE <a href="http://niab.org.in/">http://niab.org.in/</a> AND CLICK ON Online Payment Link to make payment online.  After payment, please upload the transaction details of wire transfer / bank statement on CPPP portal. Please send the transaction details by E-mail also to NIAB- <a href="mailto:purchase1@niab.org.in">purchase1@niab.org.in</a> --- for ready information.	
<b>DD IN FAVOUR OF</b>	<b>National Institute of Animal Biotechnology</b> payable at Hyderabad.	
<b>DD TO BE SUBMITTED TO</b>	Manager (Stores & Purchase) National Institute of Animal Biotechnology (NIAB), Opp. Journalist Colony, Near Gowlidoddy, Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32	
The original EMD amount and Tender Fee in the form of Demand Draft towards cost of bid documents/processing shall be submitted to Manager (Store & Purchase) , NIAB by hand delivery/courier on or before the due date for submission of bids failing which the bid will be rejected. The reference no. of the Tender and super scribing the word "EMD and Tender Fee" should be specifically mentioned on the top of the envelope. Any catalogue /broacher /technical literature which is difficult to scan, except bid document is also permitted along with EMD. This document will be used only as extra supportive for information purpose and not mandatory for submission.		
<b>PRE-BID MEETING ( IF ANY )</b>	<b>01-02-2022 (There will be no physical prebid meeting due to COVID preventive measures. The prebid meeting will be in the form of E - Mail communication only. All quaries about tender will be accepted by E mail till 01-02-2022 at 17.30 PM. Changes if any after consideration of prebid quaries will be uploaded on CPPP and NIAB website. The following terms and conditions of physical prebid meeting/visit to institute will be treated as not applicable in this COVID preventive measures. All communication to be done by E- Mail only.)</b>	
The objective of Pre-Bid Meeting is to provide a platform for clarifying issues and clearing doubts, if any, about the specification and other allied technical / commercial details of the bid document. This is also an opportunity to question the bidding conditions and the bidding process. Bids should be submitted only after the PBM if any so as to take care of the changes made in the bidding document. The prospective PBC participants should inform their intention to participate and send written queries at the email <a href="mailto:santosh@niab.org.in">santosh@niab.org.in</a> , <a href="mailto:spm@niab.org.in">spm@niab.org.in</a> sufficient before PBC date to enable us to keep the response ready. The changes made to the bidding document subsequent to the PBM shall be treated as amendment to this bidding document and the same shall also be hosted on NIAB website.		
<b>CRITICAL DATE SHEET (Please strictly adhere to the dates mentioned in this document.</b>		
<b>Tender Published Date</b>	21-01-2022 (As per CPPP portal time)	
<b>Bid Submission Start Date</b>	21-01-2022 (As per CPPP portal time)	
<b>Bid Submission End Date</b>	11-02-2022 (at 14.00 hrs)	
<b>Bid Opening Date</b>	12-02-2022 (at 14.30 hrs)	
The bidders are requested to please note that all future amendments/corrigendum will be published on NIAB website and no separate advertisement will be released for the same. Bidders are therefore requested to regularly visit our website for any such updates.		

**CHAPTER-2**  
**INFORMATION TO BIDDERS -PART-1**

1	Bids shall be submitted online only at CPPP website: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> .
2	<b><u>Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid. Please read Chapter -5 carefully and prepare all required form /Technical &amp; Price Bid ready before starting the procedure.</u></b>
3	The bidders can enroll themselves on the website <a href="http://eprocure.gov.in">http://eprocure.gov.in</a> using the option “Click here to Enroll”. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company's name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <a href="http://eprocure.gov.in">http://eprocure.gov.in</a> under the link “Information about DSC”. The web site also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference.  Please visit website: - <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> and get complete information.
4	<b>Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.</b>
5	The tenderers should have Digital Signature Certificate (DSC) for filling up the Bids. The person signing the tender documents should be authorized for submitting the on line e-tender.
6	Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
7	Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
8	To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
9	Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any future meetings.
10	Tenderer who has downloaded the tender from the Central Public Procurement Portal (CPPP) website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> and NIAB website shall not tamper/modify the tender form including downloaded price bid template, All other format in any manner. In case if the same is found to be tempered/ modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with NIAB
11	<b><u>Please Make sure all format asked as per CHAPTER - 5 of tender document are properly uploaded online in suitable cover on CPPP Website for E-Procurement <a href="http://eprocure.gov.in">http://eprocure.gov.in</a> .</u></b>

**CHAPTER – 3****INFORMATION TO BIDDERS -PART-2**

SN	DETAILS
1	<b>BIDDERS ELIGIBILITY / QUALIFICATION / REQUIREMENTS</b>
	<p>This Invitation for Bids is open to all Original Manufacturers/ their Authorized Dealers/ vendors / suppliers to quote on their behalf for this tender as per Manufacturer's Authorization Form who possess the qualifying requirements as specified in the Tender. Any person signing a Tender shall submit documentary evidence that his signature on the Tender, submitted by him, is legally binding upon himself, his firm. If it is detected that the person so signing the Tender has no authority to do so, the Director, NIAB may, without prejudice to other civil and criminal remedies, not consider the Tender and hold the signatory liable for all costs and damages. Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids. The bidder or his agent must have an office in India. That the Bidder will assume total responsibility for the fault-free operation of equipment, application software, if any, and maintenance during the warranty period and provide necessary maintenance services after end of warranty period if required. Bidders who meet the criteria given above are subject to be disqualified, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, etc. Other things being equal, preference shall be / may be given to firms who or his principal has supplied and installed similar system at any CSIR/ICAR/ICMR/DAE/DRDO/DST/DBT/other Govt. or autonomous research Labs in India. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf of this tender as per manufacturer authorization form and Indian agents of foreign principals, if any who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipment must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening in India and is engaged in R&amp;D activities. The Indian Agents of foreign manufacturers / suppliers quoting directly on behalf of their principals for items appearing in the restricted list of the current Foreign Trade Policy registered with DGS&amp;D (if applicable). One Indian Agent cannot represent two different foreign principals for the same item in one tender. The bidder should have executed at least one similar order successfully during the preceding three financial years. Details of service support facilities that would be provided after the warranty period should be submitted in the Service Support Details Form. That, in the case of a Bidder not doing business in India, the Bidder is/or will be (if successful) represented by an Agent in India who shall be equipped and able to carry out the Supplier's maintenance, repairs and spares parts.</p>
2	<b>OPENING OF BIDS</b>
	<p>In case of SINGLE BID system, the bid is required to be submitted in ONE PART. Techno-Commercial &amp; Financial / Price Bid together as one single bid. In case of single bid system ---- Bids will be opened on the date and time given and technical evaluation committee will chose technically suitable and finically L1 bidder. All the process will be done online through E-PROCUREMENT UNDER CENTRAL PUBLIC PROCUREMENT PORTAL (eprocure.gov.in).</p> <p>In case of TWO BID system, the bid is required to be submitted in TWO PARTS. One part is the Technical Unpriced Bid (PART-I) and the other part is the Price / Financial Bid (PART-II). In two bid system -----In the first instance, the Technical Bids (PART-I) will be opened. Final selection of the Technical Bids will be based on the Technical Evaluation by the authorities of NIAB. The Price Bid of only those Technical Bid(s) are found technically suitable will be opened subsequently by informing to qualified vendors.</p>
3	<b>LANGUAGE OF BID</b>
	The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the purchaser shall be written in Hindi/English language only.
4	<b>DOCUMENTS COMPRISING THE TECHNICAL BID</b>
	Please read points given in Chapter-5, for all forms, Details of Installations of similar equipment in India; Availability of number of trained support personnel, both application & service support. Compliance statement indicating yes/no as per the specifications. All necessary catalogues/technical literature, data as are considered essential for full and correct evaluation of offers must be submitted.
5	<b>BID PRICES</b>
	Please read points given in <b>Chapter No- 2</b> before preparing Price Bid /Quotation and submit the same along with PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B' after considering all the points. <b>BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY</b>
6	<b>DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS</b>
	The bidder shall furnish, as part of its bid, documents establishing the bidders' eligibility to bid and its qualification to perform the contract if its bid is accepted. That the bidder meets the qualification criteria as per Bid document. In case a bidder not doing business within the purchasers' country, that the bidder is or will be represented by an agent in the country equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.
7	<b>DOCUMENTS ESTABLISHING GOOD'S ELIGIBILITY AND CONFORMITY TO BIDDING DOCUMENTS</b>



	To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment. To establish the conformity of the goods and services to the specifications, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data etc.
8	<b>EARNEST MONEY DEPOSIT (EMD)/TENDER FEES ( if any )</b>
	The Bidder shall furnish, as part of its bid, Earnest Money Deposit (EMD) / <b>TENDER FEES ( if any )</b> specified in the Bid document. This shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders shall be submitted by the manufacturer or their authorized dealer. The Bid Security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture. The Bid Security shall be in Indian Rupees for offers received for supply within India The Bid Security shall be payable promptly upon written demand by the purchaser in case the conditions in the Tender Documents are invoked. The Bid Security should be submitted in its original format. Copies shall not be accepted. The successful Bidder's Bid Security will be discharged upon the Bidder furnishing the performance security. The firms registered with DGS&D & NSIC, if any, are exempted from payment of EMD provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies. The bid security may be forfeited. If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder; or In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 15 days of the order and/or fails to furnish Performance Security within 21 days from the date of contract/ order.
9	<b>PERIOD OF VALIDITY OF BIDS</b>
	Bids shall remain valid for 180 days after the date of bid opening prescribed by the Purchaser
10	<b>NEGOTIATIONS</b>
	Negotiations, if any and at all done, shall be held with only the technically Qualified (L1) bidder.
11	<b>PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS</b>
	The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.
12	<b>PURCHASER'S RIGHT TO VARY QUANTITY, ADD SPECIAL TERMS IF REQUIRED AT THE TIME OF AWARD OF CONTRACT</b>
	The Purchaser reserves the right at the time of award of Contract to increase or decrease the quantity of goods and services originally specified in the Tender documents without any change in unit price or other terms and conditions. This tender document and all terms and conditions, Purchase order terms / special term if mutually agreed will be form parts of total contract.
13	<b>JOINT VENTURE, CONSORTIUM OR ASSOCIATION</b>
	If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
14	<b>DISQUALIFICATION OF TENDERS</b>
	Tenders are liable for rejection if they are not in line with the terms and conditions of this tender notice. Conditional quotations will be liable for rejection or may not be considered. Incomplete tenders /tenders without EMD will be liable for rejection. Submission of Single Bid as against Two Bid System or Quotes submitted in Email/fax will be rejected. The Bidder should ensure that the prices are mentioned only in the Price Bid and nowhere in the Technical Bids in case of TWO BID SYSTEM.
15	<b>PRELIMINARY EXAMINATION /EVALUATION &amp; COMPARISON OF BIDS</b>
	Technically SPECIFICATION Qualified L1 BIDDER is main base point for award of contract. The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in have been provided, required sureties have been furnished, and to determine the completeness of each document submitted. The Purchaser will examine the technical bids to determine whether they are complete, whether the documents have been properly signed, and whether the bids are generally in order. The competent committee decision and parameters will be final for qualifying the firms technically. No queries will be entertained for the decision and method for the same. No interim queries will be entertained till final award of contract. The total cost of requirement/item/service to be purchased is main criteria for evaluation irrespective of different standard warranty period offered in any. The purchase of Additional warranty /CMC is at sole discretion of institute and not mandatory for comparison in case of standard warranty period differs. For the bids surviving the technical evaluation which have been found to be responsive the evaluation & comparison shall be made as under: The final landing cost of purchase after all discounts, freight, forwarding, insurance warehouse to warehouse, custom clearing charges, all duties, taxes etc. shall be the basis of evaluation. Imported Vs. Indigenous Offers - The final landing cost (ware house to ware house) of purchase taking into account, freight, forwarding, insurance, taxes etc. CIF/CIP applicable if any with customs clearance charges, Bank/LC charges, transportation up to NIAB, Hyderabad shall be the basis of evaluation. Conditional tenders/discounts etc. shall not be accepted. Rates quoted without attached conditions (viz. Discounts having linkages to quantity, payment terms etc.) will only be considered for evaluation purpose. Thus conditional discounted rates linked to quantities and prompt/advance payment etc. will be ignored for Comparison. The Purchaser however reserves the right to use the discounted rate/rates considered workable and appropriate for counter offer to the successful tenderers. Arithmetical errors in the financial bids will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the supplier does not accept the correction of errors, its bid will be rejected. If there is a discrepancy between the price quoted in words and figures, the rate quoted in words will be taken as final and shall be binding on the Bidder. <b>BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY.</b>

**The competent authority at its discretion can use the following criteria/method of evaluation to award the contract.**

**Technical Marking Points (A)**

SN	Point	Description	Marks
1	Specification of requirement	Technical Specification adherence as per bid submitted, Quality of Make /Material Quoted as per BID.	
2	Past Supply/work experience	Overall company profile Past supply , Quality of past Supply completed, delivery schedule , completed contract , value of contract, Customer feedback , work done for Govt /Autonomous /semi Govt organization etc as assessed by committee constituted by competent authority.	
3	Company Profile	Technical expertise HR, service support of company, Project handling skills, professional membership, standards certification, Average/Annual turnover, financial strength & status, bank solvency of firm. etc	
4	Technical presentation	Technical Presentation to committee about requirement /features of products/ plan /execution of work / Layout, sample module/demo , plan of work etc as & if required by NIAB	
		Total	100
		<b>Part A</b>	<b>60 % of Above total Marks</b>

**Considering above points, firms are informed to submit all relevant supporting documents which will give them better marks in above technical criteria.**

**Financial Marking Points (B)**

The price Bid will be opened. Ranking will be done as L1 ,L2,L3,L4 .....etc on total cost basis & L1 will be the lowest cost of all . Then L1 will be given 100 Marks.  $L2 = (L1 \text{ cost} \times 100) / L2 \text{ cost}$  . and like L3 , L4 marks will be calculated.

**Part -B    40 % of Above total Marks**

**Total Marks = Part -A+ Part -B mentioned as above will be calculated.**  
**Firm getting highest marks (Part -A+ Part -B) will get contract**

16 **The decision of competent authority & concerned committee of NIAB will be final about the process of evaluation and award of contract and no claim whatsoever will be entertained in this regards. Considering above points, firms are informed to submit all relevant supporting documents which will give them better marks in above technical criteria. Please Quote best discounted price. This will be helping the firm in getting this contract.**

# **MSE Guidelines for EMD/Tender Fees Exemption**

Revised Classification applicable w.e.f 1st July 2020			
Composite Criteria: Investment in Plant & Machinery/equipment and Annual Turnover			
Classification	Micro	Small	Medium
<b>Manufacturing Enterprises and Enterprises rendering Services</b>	Investment in Plant and Machinery or Equipment: Not more than Rs.1 crore and Annual Turnover ; not more than Rs. 5 crore	Investment in Plant and Machinery or Equipment: Not more than Rs.10 crore and Annual Turnover ; not more than Rs. 50 crore	Investment in Plant and Machinery or Equipment: Not more than Rs.50 crore and Annual Turnover ; not more than Rs. 250 crore

**Presently EMD/Tender Fee exemptions and price preference are applicable to only Micro and Small Industries. View above, if you are claiming EMD/Tender Fee exemptions, you should meet above criteria / criteria as revised for Micro and Small Industries.**

- 1 You have to submit your supporting documents issued by competent Govt bodies to become eligible for the above exemption.
- 2 Also your certificate (NSIC) / MSE shall cover the items tendered to get EMD/Tender fee exemptions.
- 3 NSIC certificate shall be valid as on due date / extended due date of the tender.
- 4 In case the bid is submitted as an Indian arm of a foreign bidder and the eligibility criteria conditions were met thru foreign company, then the EMD Exemption cannot be claimed under the MSME status of Indian arm / subsidiary.
- 5 UAM number :- Udyog Aadhar memorandum (UAM) number issued by MSMS , Copy of Registration Certificate issued by NSIC, With current validity / MSE / MSEs owned by SC/ST entrepreneurs in respect of those who are seeking exemption for payment of Earnest Money Deposit (Bid Security)/fees.

**Thus a Bidder who solely on it's own, fulfills each eligibility criteria condition as per the tender terms and conditions and who are having MSE status, can claim EMD exemption/ tender fee but not Rs 1500/-processing charges which is mandatory for all. If all these conditions are not fulfilled or supporting documents are not submitted with the Bid, then all those Bids without Tender fees /EMD will be summarily rejected and no queries will be entertained.**

**This Tender document is free of cost and no tender fees is applicable. EMD exemption is as rules mentioned herein.**

**TENDER PROCESSING CHARGES Rs 1500 /- in this NIT is mandatory for all firms and not exempted to any firm.**



**Please read above points before preparing Price Bid /Quotation and submit your quotation after carefully reading /considering all the points.**

SN	Point	Description	Point Noted & complied in Price Bid.
			<b>Mark ✓</b>
1	Price Breakup	The Bidder shall indicate the unit prices, discounts rate / percentage and total bid prices of the goods it proposes to supply. All breaks up of price incl Packing, Transportation, Taxes, incidental expenses must be given up to satisfactory installation in NIAB premise. Vague terms like “packing, forwarding, transportation, taxes etc. extra” without mentioning the specific amount/percentage of these charges will NOT be accepted. Where there is no mention of packing, forwarding, freight, insurance charges, such offers shall be summarily rejected as incomplete / non-responsive. Prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account.	<input type="checkbox"/> Point Noted for Bid Preparation
2	Quote for Complete item set up / functioning required as per specification.	Item quoted should be completed in all respects; any additional accessories required instrument to operate /function should also be quoted as part of the instrument and should be supplied along with instrument. It should not be included in optional.	<input type="checkbox"/> Point Noted for Bid Preparation
3	Optional accessories / PC /UPS /stabilizer	The cost of accessories in optional should be quoted separately. List of all optional accessories with detail specification must be given with List price & discount.	<input type="checkbox"/> Point Noted for Bid Preparation
4	Bid Currencies	PLEASE quote your price in Currency :- INR (The Indian rupee ) only. <b>Please read all instructions given in all column of BOQ to be uploaded on CPPP. BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY</b>	<input type="checkbox"/> Point Noted for Bid Preparation
5	For indigenous Items OR goods of foreign origin to be supplied in Indian currency	Ex-factory / Ex-warehouse //Ex-showroom /Off-the shelf  Tax (if any) [%age & value] Transportation , loading/ unloading and incidental costs till NIAB site Insurance charges (if any with period cover) Incidental services (including installation & commissioning, and training) at NIAB site	<input type="checkbox"/> Point Noted for Bid Preparation
6	Taxes, Custom duties etc.	<b>For NIAB Customs Duty under notification No.51/96 dated 23.07.1996. Hence Customs Duty, if any, should be shown separately. Please mention the applicable taxes clearly. We don't issue any 'Form C' or 'Form D'. Custom bonded warehouse price should be quoted in case of imported item quoting INR. Instrument quoted should be complete in all respects. If there is no explicit mention about taxes in your offer, then quoted price will be deemed inclusive of all such taxes and no other charges except those mentioned clearly in the quotation will be paid.</b>  <b><u>The GST Rates / Exemption applicable will be as per GOL, MoF Notification No. 47/2017-Integrated Tax (Rate) dt. 14/11/2017 &amp; GOI - GST Law 2017 as applicable. The Custom duty Rates / Exemption will be as applicable as per Govt. of India Rules as applicable to DSIR Registered institute/Govt. funded research institute. It is certified that National Institute of Animal Biotechnology, is an Autonomous Institute of the Department of Biotechnology, Ministry of Science &amp; Technology, Govt. of India and it is registered with the (DSIR) Department of Scientific &amp; Industrial Research, Government of India vide their Registration No. TUV/RG-CDE(1175)/2020 dated 28th Aug 2020 , Valid up to 31.08.2025.</u></b>	<input type="checkbox"/> Point Noted for Bid Preparation
7	Bid Validity	The Bid should be valid for at least 180 days.	<input type="checkbox"/> Point Noted for Bid Preparation

8	Comprehensive WARRANTY & AMC	<p><b>The charges for Annual CMC after warranty shall be quoted separately as per price schedule 'B'.</b></p> <p><b>Standard Warranty period is taken as 12 Months unless otherwise specified.</b></p> <p><b>Please quote for Extra Warranty After completion of standard warranty period.</b></p> <p><b><u>The purchase of Additional warranty /CMC is at sole discretion of institute.</u></b></p> <ul style="list-style-type: none"> <li>➤ The cost of Annual Maintenance Contract (AMC) which includes preventive maintenance including testing &amp; calibration as per technical/service/ operational manual and labour, after satisfactory completion of warranty period may be quoted for next 3 (or as specified) years on yearly basis for complete equipment.</li> <li>➤ The cost of CMC may be quoted along with taxes applicable on the date of Tender opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.</li> <li>➤ Cost of CMC will be added for ranking/evaluation purpose.</li> <li>➤ The uptime warranty will be 98% on 24 (hrs) x 7 (days) x 365 (days) basis.</li> <li>➤ The stipulation in technical specification will supersede above provision.</li> <li>➤ The supplier shall keep sufficient stock of spares required during comprehensive maintenance contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.</li> </ul>	<input type="checkbox"/> Point Noted for Bid Preparati on
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**Please read above points before preparing Price Bid /Quotation and submit your quotation after carefully reading /considering all the points. Please read all instructions given in all column of BOQ to be uploaded on CPPP. IN CASE OF ANY DISCREPANCY IN PRICE/COST SUBMITTED IN BOQ FORMAT AS WELL AS ANY OTHER DOCUMENT AS MENTIONED IN NIT, THE DECISION OF NIAB COMPETENT AUTHORITY WILL BE FINAL AND BINDING FOR FIRM PARTICIPATED IN TENDER. )**

**CHAPTER 4**  
**GENERAL CONDITIONS OF CONTRACT**

SN	DETAILS
1	<b>DEFINITIONS</b>
	<p>In this Contract, procurement through this tender ,the following terms shall be interpreted as indicated: The following words and expressions shall have the meanings hereby assigned to them:</p> <p>“Contract Price” means the price payable to the Supplier as specified in the Purchase Order, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract. “Day” means calendar day. “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Purchase Order. “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser as per the Purchase Order. “Related Services” means the services incidental to the supply of the goods, such as transportation, insurance, installation, commissioning, training and initial maintenance and other such obligations of the Supplier as per the Purchase Order. “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Purchase Order. The final destination,” where applicable, means the place of delivery as indicated in the Purchase Order. “The Purchaser” is ‘The Director, National Institute of Animal Biotechnology (N.I.A.B), Hyderabad, Telangana. “The Purchaser’s country is “India”.</p>
2	<b>SUPPLIER’S RESPONSIBILITIES</b>
	The Supplier shall supply all the Goods and Related Services included in the Scope of Supply and the Delivery and Completion Schedule, as per Purchase Order Terms.
3	<b>SUB-CONTRACTS</b>
	The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contract shall be only for bought-out items and sub-assemblies. The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent
4	<b>CONTRACT PRICE</b>
	Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Purchase Order shall not vary from the prices quoted by the Supplier in its bid.
5	<b>COPY RIGHT</b>
	The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party
6	<b>PATENT RIGHTS</b>
	The Supplier shall indemnify the Purchaser against all third-party claims if any, of infringement of patent, trademark or industrial design rights, copy rights arising from use of the Goods or any part thereof in India.
7	<b>INSPECTIONS AND TEST</b>
	The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services Or as discussed during the course of finalizing the contract. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data -shall be furnished to the inspectors at no charge to the Purchaser.
8	<b>PACKING</b>
	<p>The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. In order to maintain safety of the equipment, we prefer to have wooden crating with adequate cushion inside for transportation of any goods. The Material to be dispatched with International standard packing to withstand Rigors, and to avoid any transit damages.</p> <p><b>PACKING INSTRUCTIONS</b> Each package will be marked on three sides with proper paint/indelible ink, the following: Purchaser Name &amp; Address, Item Nomenclature, Order/Contract No. ,Country of Origin of Goods ,Packing list reference number</p>
9	<b>AMENDMENTS</b>
	The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract as mutually agreed terms.
10	<b>DELIVERY AND DOCUMENTS</b>
	Delivery of the Goods and completion related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order/Maximum within 08 weeks.

	<p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order. The details of shipping and / or other documents to be furnished by the supplier are also specified in Purchase Order. Delivery of the goods should be made as per the Delivery Schedule incorporated in the Purchase Order. The supplier should intimate the shipment details within 72 hours before for custom clearance of the material.</p> <p>The supplier shall notify the purchaser the full details of the shipment including order/contract number, railway receipt number /AWB etc and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall e-mail the following documents to the purchaser, with a copy to the Clearing Agent.</p> <ol style="list-style-type: none"> <li>i. 3 copies of the Supplier invoice showing Order/contract number, goods' description, quantity, unit price, total amount;</li> <li>ii. Acknowledgement of receipt of goods from the consignee(s) by the transporter;</li> <li>iii. Insurance Certificate if applicable;</li> <li>iv. Manufacturer's/Supplier's warranty certificate;</li> <li>v. Inspection Certificate issued by the nominated inspection agency, if any, and the Supplier's factory inspection report; a</li> <li>vi. Certificate of Origin.</li> <li>vii. Two copies of the packing list identifying the contents of each package.</li> <li>viii. Airway Bill / Bill of Lading</li> </ol> <p>The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>Please make appropriate commitments in writing that the instrument model being offered is current and is not likely to be obsolete within the next couple of years and that spare parts will be available for it for at least seven years after the installation. The Installation of the equipment is deemed complete only after all the sub-units of the main equipment such as the computers/printers/UPS/Software etc., is installed and tested as per the specifications in the offer/brochure / purchase order and demonstrated to the satisfaction of the end user.</p>
11	<b>INSURANCE</b>
	<p>The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.</p> <p>For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "Warehouse to warehouse" (final destinations) on "All Risks" basis including war Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. However, in case of orders placed on FOB/FCA basis, the purchaser shall arrange insurance.</p>
12	<b>TRANSPORTATION</b>
	<p>Where the Supplier is required under the Contract to deliver the Goods on FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof may be included in the Price Schedules. Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof maybe included in the Price Schedules. In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, shall be arranged by the Supplier, and the related costs may be included in the Contract Price.</p>
13	<b>STANDARDS</b>
	<p>The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution</p>
14	<b>WARRANTY</b>
	<p>The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.</p> <p>The Warrantee should be comprehensive and on site. The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.</p> <p>The warranty shall remain valid for twelve (12) months from the date of installation of the equipment or as per the Specification whichever is higher. The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects. Upon receipt of such notice, the Supplier shall, within a reasonable period of time expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser. If during the period of warranty any component or spare part is need to be brought from abroad, all associated cost shall be borne by the supplier including the cost of customs duty.</p> <p>All incidental charges / additional duties incurred for importing warrantee replacements are to be borne by the suppliers. The defective material / goods will not be handed over to the supplier and the same will be re-exported to the place of manufacturer at the cost of the supplier. In case, the manufacturer has the office in India the same may be handed over to them with an undertaking that they will re-export to their manufacturing facility within a reasonable time and submit the proof to that extent.</p> <p>If having been notified, the Supplier fails to remedy the defect within a reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.</p>

15	<b>TERMS OF PAYMENT</b>
	Payment Term will be finalized by NIAB Policy and remain mandatory for supplier as issued in Contract /Purchase order. Our rules do not permit any advance payment either direct or through a bank. However, payment of your bill will be made after receipt of the articles in good condition & successful installation by way of DEMAND DRAFT /Wire Transfer as per NIAB Order Terms & conditions. For Indigenous items Payment will be made after delivery and installation. All banking charges outside India will be borne by the supplier and inside India charges will be borne by the purchaser. Commercial Invoice produced by Reprographic system or automated computerized system marked as original not acceptable. <b>The following documents shall be required by the Purchaser for payment.</b> Signed commercial invoice in quadruplicate, Certificate of Origin issued by the Beneficiary/ Concerned Chamber of Commerce, Insurance copies/ certificates, Airway Bill / Bill of Lading Copy, Packing list indicating description of goods and quantity package wise in triplicate.
16	<b>EXTENSION OF TIME</b>
	Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the contract. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.  Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
17	<b>PENALTY CLAUSE</b>
	Subject to clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Purchase order, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 1 percent of the order value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10 Percent. Once the maximum is reached, the Purchaser may consider termination of the Contract for Default.
18	<b>TERMINATION FOR DEFAULT / INSOLVENCY</b>
	The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part  If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser If the Supplier fails to perform any other obligation(s) under the Contract. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices.  In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action: The Performance Security is to be forfeited.  The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract. The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.
19	<b>NOTICES</b>
	Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing and confirmed to the other party's address specified in the Purchase Order.
20	<b>SITE PREPARATION AND INSTALLATION</b>
	The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after placement of Purchase Order. In compliance with the technical and environmental specifications Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the equipment, if required.
21	<b>TAXES AND DUTIES</b>
	Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the ordered Goods to the Purchaser at the final destination.
22	<b>INCIDENTAL SERVICES</b>
	The supplier may be required to provide any or all of the services, as discussed during the course of finalizing the contract. User and detailed Service Manual /training to be supplied along with the equipment.
23	<b>SPARE PARTS</b>
	The Supplier shall be required to provide the spare part details/materials, notifications, and information pertaining to its manufacture or distribution: Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and In the event of termination of production of the spare parts: advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed Requirements if any; and Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
24	<b>PERFORMANCE SECURITY</b>

	<p>The successful Bidder must be ready to provide Performance security (3% of the order value unless mentioned otherwise) in the Performance Security Form provided in the Bid Document, within 21 days of the receipt of notification of award/purchase order from the Purchaser or/as mentioned in purchase order/contract awarded failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited &amp; the contract shall be deemed terminated. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract. Bidder can submit the performance security of Bank Guarantee issued by a Nationalized/Scheduled bank located in India on the format provided in the bidding documents / as issued by NIAB post contract. The PBG will be forfeited in case supplier fails to honour contractual obligation.</p>
25	<p><b>FRAUD AND CORRUPTION</b></p> <p>The purchaser requires that the bidder's suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:</p> <p>“Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution; “Fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract; “Collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive levels; and “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract. The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.</p>
26	<p><b>SETTLEMENT OF DISPUTES</b></p> <p>The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms. These mechanisms may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration. In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration &amp; Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, NIAB and if he is unable or unwilling to act, to the sole arbitrator so appointed shall be final conclusive and binding on all parties to this order. In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The Venue of the arbitration shall be the place from where the order is issued.</p>
27	<p><b>APPLICABLE LAW</b></p> <p>The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction Hyderabad.</p>
28	<p>Your Bid will be rejected if Technical Bid Compliance form AS PER THIS NIT is not submitted.</p>



**CHAPTER - 5**

**REQUIRED DOCUMENTS/ FORMAT WITH BID (TO BE UPLOADED ONLINE)**

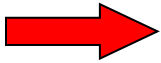
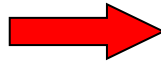
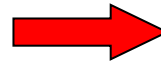
**FORMAT TO KEEP READY BEFORE ONLINE SUBMISSION OF BIDS**

**Bid will contain all the technical details of the products along with following format. Please keep all the following documents ready as per format mentioned herein for uploading on the website during online submission of your bid. Non Submission of these format may result in rejection of your bid. Read all forms carefully and submit it exactly same as per below format. Changing of our wording of format may result in rejection of your bids. BOQ final cost must be same as per Quotation / Price Bid submitted as per above documents**

**IT IS TWO BID ---- THERE ARE 2 COVERS TO BE UPLOAD**

- ✓ Cover-1 -- Part-1 --- FEE/PRE QUAL/TECHNICAL/FORMS
- ✓ Cover-2 -- Part-1 --- PRICE BID AS PER FORMAT MENTIONED IN THIS NIT
- ✓ Cover-2 -- Part-2 --- BOQ/FINANCE DETAILS

**KEEP SCAN COPY OF PART -1 , PART-2 ,PART-3 READY AS PER FORMAT BEFORE STARTING APPLYING FOR TENDER ON CPPP**

Documents to be uploaded on CPPP Cover 1 & 2	Documents format	Documents to be uploaded ( keep ready , scanned <b>as one file</b> as per as per format mentioned herein )
<p align="center"><b>Cover -1</b>  <b>Part -1 as per NIT</b>  <u>( All documents asked as per point No 1 , 2, 3,4 to be uploaded , KEEP IT READY BEFORE ONLINE SUBMISSION scanned AS ONE .pdf file )</u></p>	<p><b>.pdf</b></p> 	<ol style="list-style-type: none"> <li>1. <b><u>Complete Technical Compliance Form as Per NIT</u></b></li> <li>2. All supporting Technical documents ,description / Literature / Catalogue showing technical compliance for the requirement Mentioned in NIT.</li> <li>3. SCAN COPY OF DD (EMD /TENDER PROCESSING FEES/TENDER FEES AS APPLICABLE.)</li> <li>4. Copy of PAN card/ Certificate of Registration with Govt. Tax Authorities / GST / UAM number Udyog Aadhar memorandum (UAM) number issued by MSMS IF ANY , Copy of Registration Certificate issued by NSIC, Govt. of India Enterprise/ DG, S&amp;D / MSME, units registered with District Industries Centre / Joint Director of Commerce and Industries, Govt. of Telangana/ respective State Govts. With current validity / MSE / MSEs owned by SC/ST entrepreneurs in respect of those who are seeking exemption for payment of Earnest Money Deposit (Bid Security)/fees. / PO copies of similar work done/item supplied</li> </ol>
<p align="center"><b>Cover - 2</b>  <b>Part -1</b>  <b>Only Price Bid</b></p>	<p><b>.pdf</b></p> 	<ol style="list-style-type: none"> <li>1. Price Quotation on firm's Letterhead giving full cost, tax details (all in detail) for the requirement mentioned in NIT. <b>INCLUDING PRICE SCHEDULE 'A' &amp; PRICE SCHEDULE 'B' FORMAT AS PER NIT (If any) / FINANCIAL BID / SCANNED QUOTATION ON FIRM LETTERHEAD GIVING TOTAL COST OF REQUIREMENT IN TENDER</b></li> </ol> <p><b>COST AS PER THIS QUOTATION SHOULD MATCH WITH BOQ</b></p>
<p align="center"><b>Cover – 2</b>  <b>Part -2 BOQ/Price</b>  <b>Detials</b></p>	<p><b>.xls</b></p> 	<p>BOQ /Finance details -- BOQ can be downloaded from CPPP along with other NIT, filled and then uploaded again. <b>Please read all instructions given in all column of BOQ to be uploaded on CPPP.</b></p>

**KEEP ABOVE DOCUMENTS SCANNED AS PER FORMAT MENTIONED ABOVE, READY FOR UPLOAD BEFORE START APPLYING FOR TENDER. BOQ FINAL COST MUST BE SAME AS PER QUOTATION / PICE BID SUBMITTED AS PER ABOVE DOCUMENTS**

**(FORMS TO BE SUBMITTED ALONGWITH YOUR BID OTHERWISE YOUR BID WILL BE REJECTED)**  
**KEEP THESE FROMS READY AS PER FORMAT MENTIONED ABOVE, READY FOR UPLOAD BEFORE**  
**START APPLYING FOR TENDER.**

**FORM NO - 1**

**PROCESS COMPLIANCE/ACCEPTANCE OF TENDER CONDITIONS FORM**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
Opp. Journalist Colony, Near Gowlidoddy,  
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

***Sub: Acceptance to the Process related & Terms and Conditions for the e-Tendering***  
***Ref.:- The Terms & Conditions for e-Tendering mentioned in tender No.:*** \_\_\_\_\_

Sir,

We hereby confirm the following.

The undersigned is authorized representative of the company. We have carefully gone through the NIT, Tender Documents and the Rules governing the e-tendering as well as this document. We have examined and have no reservations to the Bidding Documents, including addendum (if any). We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contract, specified in this tender document. We will honour the Bid submitted by us during the e-tendering. We give undertaking that if any mistake occurs while submitting the bid from our side, we will honour the same.

**Bid securing declaration: - We accept that if we withdraw or modify Bids during the period of validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in this bids document, we will be suspended for the period of 01 year from being eligible to submit Bids for contracts with NIAB.**

We are aware that if NIAB has to carry out e-tender again due to our mistake, NIAB has the right to disqualify us for this tender. We confirm that NIAB shall not be liable & responsible in any manner whatsoever for my/our failure to access & submit offer on the e-tendering site due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, digital signature certificate or any other unforeseen circumstances etc. Our bid shall be valid for the period from the date fixed for the bid submission deadline, and it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender. IN CASE OF ANY DISCREPANCY ABOUT PRICE/COST IN PRICE BID , SCHEDULE A / COST SUBMITTED IN BOQ FORMAT/ COMPARATIVE GENERATED BY CPPP AS WELL AS ANY OTHER DOCUMENT AS MENTIONED IN NIT, THE DECISION OF NIAB COMPETENT AUTHORITY WILL BE FINAL AND BINDING FOR FIRM PARTICIPATED IN TENDER.  
)

If our bid is accepted, we commit to provide a performance security in Bank Guarantee /Fixed Deposits for due performance of the contract as per NIAB policy and warranty-guarantee as per tender specification or agrees as per contract. We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive. We accept that the competent authority in NIAB will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender /cancellation of this tender, as per policy/committee recommendations of NIAB at any stage without assigning any reason thereof for which no claim from whomsoever will be entertained. I/We the undersigned, have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NIAB with respect to this Tender-Result will be fully agreeable and binding on us.

This letter can be treated as signed and acceptance copy of tender documents and the forms submitted as signed by competent authority of firm submitting this tender and there is no need to submit separate signed copy of tender document.

Competent Authority to sign:

Name:-

Designation:-

Contact Details :-

Date with stamp & seal of organization:

**( FORM NO 2 )**  
**DETAILS OF LOCAL / ANY OTHER SERVICE SUPPORT**

Location /Address of Service Centre :-

Name of Technical /In charge Person/Qualification :-

Phone/Fax/Email :-

Office Hours :-

Details of Service Facilities available :-

**( FORM NO 3 )**  
**PRICE REASONABILITY CERTIFICATE**

This is to certify that we have offered the maximum possible discounted price to your institute for the Item required as per this Tender No. \_\_\_\_\_ in our Quotation No. \_\_\_\_\_ date \_\_\_\_\_ for total Currency / as per quotation submitted .We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to NIAB to any other customer nor we will do so till the validity of offer or execution of purchase order, whichever is later.

**( FORM NO 4 )**  
**PERFORMANCE STATEMENT/ CLIENTELE/LIST OF USER**  
**Attached separate sheet in same format if above place is not sufficient**

Please find attached herewith our list of clients to whom we have supplied the same /similar equipment as required vide this Tender No \_\_\_\_\_ dt \_\_\_\_\_ for the item \_\_\_\_\_

SN	Name & Address of purchaser	Description and quantity of ordered equipment	Purchase Order No. and date	Date of delivery	Contact Person along with Tel. NO., Fax No. & e-mail address

**(FORM NO 5)**  
**MANUFACTURERS' AUTHORIZATION**

**Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. In case of foreign manufacturer, scan copy can be accepted if supported by copy of original valid normal authorization to local distributor is submitted along with above format.**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
Opp. Journalist Colony, Near Gowlidoddy,  
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

We \_\_\_\_\_ who are established and reputed manufacturers of the equipment having factories at \_\_\_\_\_ (address of factory) do hereby authorize M/s. \_\_\_\_\_ (Name and address of Agent) on our behalf to submit a bid, negotiate and receive the order from you against your tender No. \_\_\_\_\_ dt. \_\_\_\_\_.

We hereby extend our full support, guarantee and warranty as per the Terms and Conditions of this Tender/PO (issued if any) for the goods and services offered by the above firm as per this tender.

Competent Authority to sign:  
Name, Designation :  
Date with stamp & seal of organisation:

**(FORM NO- 6)**  
**UNDERTAKING TO SUBMIT PERFORMANCE BANK GUARRNATEE**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
Opp. Journalist Colony, Near Gowlidoddy,  
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sub:- Assurance for PBG

Sir,

We the Firm are participating in your Tender No \_\_\_\_\_

If our bid is accepted against this subject tender notice, we commit to provide a performance security for due performance of the contract as per NIAB policy/format/form and warranty-guarantee as per tender specification or agrees as per contract valid for 60 days more than the contract period. We accept that PBG on the instruction of competent authority of NIAB will be forfeited in case our failure in meeting contractual obligation.

Thank you.

Competent Authority to sign:  
Name, Designation :  
Date with stamp & seal of organisation

(FORM NO 7)

ORGANISATIONAL DETAILS

1	Name & Address of the applicant with Telephone No./Fax No./ Email ID	
2	Address of local office (in Hyderabad/India)	
3	Year of Establishment	
4	Legal status of the applicant (attach copies of original document defining the legal status)  a) A proprietary firm  b) A firm in partnership  c) A limited company or Corporation / Joint venture / Consortia /Any other	
5	Names of Key executives with designation to be connected with this bid /Designation of individuals authorized to act on behalf the organization.(Contac No /E mail ID)	
6	Details of manufacturer /factory  Name :- Address :-	
7	Has the bidder, or any constituent partner in case of partnership firm / limited company/ Joint venture, ever been convicted by the court of law? If so, give details.	
8	Any other information considered necessary from your side but not included above.	
9	Confirm that the Bidder has not been banned OR delisted/blacklisted by any Government or Quasi Government agencies or Public Sector Units.	
10	Confirm that Bidder is not under Liquidation, court Receivership or similar proceedings.	
<b>COMPETENT AUTHORITY NAME , SIGN &amp; DATE WITH STAMP &amp; SEAL OF ORGANIZATION</b>		

**FORM NO – 8**  
**FINANCIAL INFORMATION**

Date

To,  
Director  
NIAB Hyderabad

I the undersigned certify that the following details submitted is verified by me and is found correct.

**LAST THREE YEARS DATA EXCLUDING CURRENT YEAR**

S.No.	Financial / Accounting Year	Annual Turnover (Rs.)	Profit (Rs.)	Loss (Rs.)

**AVERAGE TURNOVER OF LAST THREE YEARS =  
EXCLUDING CURRENT YEAR DATA**

COMPETENT AUTHORITY NAME , SIGN & DATE  
WITH STAMP & SEAL OF ORGANIZATION

**The details to be furnished must be supported by figures in balance sheet/profit and loss account and relevant authorized documents.**

**Or**

**Above form No - 8 on letterhead of your Chartered accountant can also be accepted in lieu of supporting documents.**



(FORM NO – 9)

**BANK SOLVENCY CERTIFICATE**

**Note: - Banker's certificate should be on letter head of the Bank and should not be more than 12 months old from the date of publication of tender.**

**Value/Amount of Solvency Certificate: - Rs. 25,00,000 /-**

Date:

To,  
The Director  
NIAB - Hyderabad

**BANK SOLVENCY CERTIFICATE**

We the **(Bank Name)** do hereby certify that **(Name of Firm)** having their Registered office at **(Registered Office Address)** is solvent to the extent of Rs. \_\_\_\_\_ in words \_\_\_\_\_ as disclosed by the information and records which are available with the aforesaid bank.

It is further notified that this certificate is being issued at the request of **(Name of Firm)** without attaching any risk and responsibility on our part in any respect whatsoever more particularly either as guarantor or otherwise.

Sign & Stamp of Bank Manager

Place:

Date:

(FORM NO – 10)

MAJOR WORKS/SUPPLY OF SIMILAR REQUIRMENT COMPLETED DURING THE LAST 5 YEARS.

Please submit the following details as per format mentioned herewith.

- Select the year as per the date **of Purchase order falls in from Jan to Dec.**
- Work/Supply should have been executed by the firm under the name in which they are submitting the applications.
- Write NIL if no data is available in any of the following year.
- Attach PO copies as supporting document.

**Format of major works completed.**

PO date should fall in Jan to Dec period of above year. Please give details of each year separately as per this format

SN	Details	2016	2017	2018	2019	2020
1	Purchase/Work order date and Number					
2	Name of the work/Supply and location					
3	Name of the Client					
4	Cost of Order in Lakhs					
5	Actual Date of Completion of Supply/Installation					
6	Name and address/telephone number of officer to whom reference may be made					

**BIDDER UNDERTAKING FOR COMPLIANCE TO NIT BID TERMS & FOLLOWING PROVISION OF THIS NIT**

This is to certify that, I/We the Bidders have read all terms of this NIT & the below information/OM . I/we hereby declare that we will provide all information desired by NIAB competent authority in this regard at any stage of this procurement. In the event of failure to provide required information, submitted information being found false or incorrect at any stage, bid shall be liable to rejection/termination of accepted Bid/Order /any further action suitable in accordance of law of GOI.

Sr	<b><u>OM No. / Description</u></b>
1.	OM No F.No.6/18/2019-PPD dated 23rd/24th July 2020 (Public Procurement 1, 2 and 3) issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Eligibility of bidders from specified countries
2.	OM No F.20\212014-PPD dated 25.07.2016 and subsequent clarifications dt 20.09.2016; 27.07.2019; 29.06.2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Relaxation of prior turnover and experience for Start-ups
3	OM No. F.9/4/2020-PPD dt e 12th November 2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Bid Security/ Earnest Money Deposit
4.	Public Procurement Policy for the Micro and Small Enterprises (MSEs) Order, 2012 and its amendments 09.11.2018 and any further change / Amendment w.r.t this OM regarding Purchase Preference and facilities to MSEs
5.	“Public Procurement (Preference to Make in India) Order 2017” (PPP-MII) of Department for Promotion of Industry and Internal Trade, (DPIIT - Public Procurement Section) as revised by No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 and any further change / Amendment w.r.t this OM regarding To encourage 'Make in India' and promote manufacturing and production of goods and services in India
6.	OM No. F.9/4/2020-PPD dt 12/11/2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Performance Security.

**COMPETENT AUTHORITY NAME, SIGN & DATE  
WITH STAMP & SEAL OF ORGANIZATION**

Every care has been taken to ensure that the contents of this NIT are accurate and updated/ in compliance with latest rules, in case of any conflict between the provisions stipulated in this document and in GFR 2017 / The prevailing laws by GOI, Competent authority will follow the latest rules/laws/Amendment Rule applicable to NIAB issued by GOI. The decision of competent authority of NIAB will be treated as final in this regard/ Dispute if any. The Tender Inviting Authority (TIA) hereby confirms that while formulating the Tender Document (NIT), GFR & following regulations have been taken in to consideration and same will be applicable. Bidders must read, understand and participate for this NIT if following OM / Rules/Provision are compiled and accepted along with NIT terms. All these OM are available on internet if you search with OM number /description failing which you can send request to NIAB to email you any of this OM (if required). The competent authority reserves the right to ask all relevant the supporting documents from Bidder at any stage of Tender and BID will be rejected in case of failure to submit the required documents within stipulated time for compliance with any of following OM /Provision of GFR / Any applicable latest law / Rule issued by GOI applicable to NIAB.

**( This undertaking must be submitted stamped & signed ,on your firms letterhead failing which your Bid Will be rejected )**

**PRICE BID FORMAT --- PRICE SCHEDULE 'A' & 'B'**

(To be utilised by the bidders for quoting their prices).

<ul style="list-style-type: none"> <li><b>PRICE TO BE QUOTED IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY.</b></li> <li><b>PRICE QUOTATION ON FIRM'S LETTERHEAD GIVING FULL BREAKUP OF COST, TAX DETAILS (ALL ITEMISE BREAKUP IN DETAIL) FOR THE REQUIREMENT MENTIONED IN NIT.</b></li> <li><b>COST AS PER PRICE QUOTATION SHOULD MATCH WITH BOQ</b></li> <li><b><u>Firm can make their own Quotation in detail as per below format as PRICE SCHEDULE 'A' &amp; 'B' on your letterhead and / or Type / Fill in the following format and upload with their price quotation bid along with technical documents uploading with other required format.</u></b></li> </ul>					
<b><u>PRICE SCHEDULE 'A'</u></b>					
Sr. No	Part Code/Catalogue with Description for main item as required for fully functional Without any optional accessories. <b>( for total requirement as per NIT )</b>	Qty	Unit	Each unit Price Currency :- INR (The Indian rupee )	Total Price Currency :- INR (The Indian rupee )
1	NIAB requirement as per specification (Please mentioned all item & cost .)				
2	ANY OTHER CHARGES LIKE INSURANCE /FREIGHT / TAX /TRANSPORTATION or DISCOUNT ETC  <b>(PLEASE MENTIONED ALL CHARGES COST / ALL BREAKUP ITEMWISE TO BE GIVEN)</b>				
<b>Final Total cost as per BOQ( in INR only)</b>					
<b>Final Cost including All up to NIAB must be mentioned giving all breakup cost</b>					

COMPETENT AUTHORITY NAME, SIGN & DATE  
WITH STAMP & SEAL OF ORGANIZATION

\*\*\*\*\*

**Cost of any other optional accessories /spare/consumable  
Suitable/suggested by vendor which is not mentioned in tender.**

Sr No	Description	Cost per unit Currency :- INR (The Indian rupee )

COMPETENT AUTHORITY NAME , SIGN & DATE  
WITH STAMP & SEAL OF ORGANIZATION

**PRICE SCHEDULE 'B' --- WARRANTY & AMC**

The bidder must check TOTAL WARRANTY required as per NIT and Quote accordingly. If nothing is specified about warranty requirement, then standard warranty will be treated as one year.

**WARRANTY OFFERED AS PER NIT = (        ) YEAR / YEARS**

**EXTRA WARRANTY / (CMC) COST (WITH PARTS /SPARES & SERVICE)  
AFTER COMPLETION OF WARRANTY MENTIONED ABOVE**

**COST OF EXTRA WARRANTY AFTER ABOVE MENTIONED YEARS**

<b>After completion of standard warranty (Extra Warranty/CMC )</b>	<b>Cost in RS (Incl all taxes )</b>	<b>Remark if any</b>
Extra warranty for 1 <sup>st</sup> year After completion of warranty quoted as per NIT.		
Extra warranty for 2 <sup>nd</sup> year After completion of warranty quoted as per NIT.		
Extra warranty for 3 <sup>rd</sup> year After completion of warranty quoted as per NIT.		

**AMC AFTER WARRANTY**

**AMC Without any parts/spares-- ONLY SERVICE/ MAINTENANCE SUPPORT)**

**( NO SPARES/PARTS INCLUDED , ONLY SERVICE VISIT & PREVENTIVE MAINTENANCE)**

<b>AMC After completion of Standard Warranty period / As per NIT</b>	<b>Cost in RS (Incl all taxes )</b>	<b>Remark if any</b>
1 <sup>st</sup> yr of -- AMC		
2 <sup>nd</sup> yr of -- AMC		
3 <sup>rd</sup> yr of -- AMC		

**DECLARATION TO BE SUBMITTED**

I /We the undersigned have read and considered all the above points carefully as per Chapter -3 before preparing the bid and noted all the points. The price bid will be prepared considering all the above points. The best possible break up of all the prices unit and total up to delivery and installation of the item in tender up to NIAB premise / location for delivery , standard & Extra Warranty , AMC has been mentioned in price bid. Prices quoted shall remain fixed during the entire period of contract and shall not be subject to variation on any account.

Competent authority sign , date with stamp & seal of organization

## CHAPTER – 6

### TECHNICAL BID COMPLIANCE FORM SPECIFICATION, OTHER REQUIREMENTS OF THIS NIT

## TECHNICAL BID COMPLIANCE FORM

(MANDATORY TO SUBMIT)

**TO BE UPLOADED ON CPPP COVER -1 PART -1 AS PER NIT**

The Director,  
National Institute of Animal Biotechnology (NIAB),  
Opp. Journalist Colony, Near Gowlidoddy,  
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

Please find attached technical compliance statement as required vide this Tender No \_\_\_\_\_ dt \_\_\_\_\_  
For the item \_\_\_\_\_

	Tender Specifications	Unit	Qty	Bidders specification/ Quality make / Remark	Compliance (Yes/No)	Bidder deviation (If any)	Catalogue / BID Page No on which compliance information is given / details of Supporting technical documents / brochure
1	<b>Earth Work</b>						
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (blasting prohibited)						
a	All kinds of soil	cum	580.0				
b	Ordinary rock	cum	495.6				
c	Hard rock (blasting prohibited)	cum	354				
1.2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil						



	as directed, within a lead of 50 m. (blasting prohibited)						
a	All kinds of soil	cum	205				
b	Ordinary rock	cum	180				
c	Hard rock	cum	129				
1.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	350				
1.4	Extra for every additional lift of 1.5m or part thereof in excavation						
a	banking excavated or stacked materials.	cum	21				
b	Ordinary or hard rock	cum	21				
1.5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	75				
1.6	Disposal of excavated rock for 1.00 kilometre lead inclusive of all lift complete as per direction of Engineer in-Charge.	cum	1160				
<b>2</b>	<b>Concrete Work</b>						
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :						
a	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	19				
b	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	cum	55				
2.2	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	sqm	49				
2.3	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification	per 50 Kg of Cement	13				
2.4	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with	sqm	49				

	brushes and finally with apiece of cloth lightly soaked in kerosene oil.						
a	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	3				
<b>3</b>	<b>RCC Work</b>						
3.1	Centering and shuttering including strutting, propping etc. and removal of form for :						
a	Foundations, footings, bases of columns, etc. for mass concrete.	sqm	78				
b	Lintles, beams, plinth beams, girders, bressumers and cantilevers.	sqm	201				
c	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	26				
3.2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
a	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	19002				
b	Providing & fixing roofing consist of 0.8mm thick galvanized steel deck sheet confirming to IS 277:1992 used as permanent shuttering over which MS wire mesh 3mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs.	sqm	400				
3.3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).						

a	All works upto plinth level.	cum	149				
3.4	Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	cum	4				
3.5	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	75				
<b>4</b>	<b>Brick Work</b>						
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:						
a	Cement mortar 1:6 (1 Cement : 6 coarse sand)	cum	63				
4.2	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :						
a	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	50				
<b>5</b>	<b>Wood Work &amp; PVC Work</b>						
5.1	Providing and fixing aluminium tower bolts IS marked anodised ( anodic coating not less than grade AC 10 as per is : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:						
a	300x10 mm	each	12				
b	150 x 10 mm	each	12				
5.2	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :						
a	125 mm	each	48				
<b>6</b>	<b>Steel Work</b>						
6.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	1319				
6.2	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing						

	in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.						
a	Hot finished welded type tubes	kg	8316				
6.3	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	kg	152				
6.4	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.						
a	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	kg	11124				
6.5	Providing and fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.						
a	10 x80 mm	each	96				
b	Providing and fixing GI chain link fabric fencing of required width in mesh size 50x50mm including strengthening with 2mm dia. Wire or nuts,bolts and washers as required at site made of G.I wire od dia 4mm	Sqm	315				
<b>7</b>	<b>FLOORING</b>						
7.1	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately).						
a	(Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	cum	70				

7.2	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement						
a	18 mm thick	sqm	117				
<b>8</b>	<b>ROOFING</b>						
8.1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	290				
8.2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and olyester top coat 15-18 microns using self drilling/ self tapping screws complete :						
a	Ridges plain (500 - 600mm)	metre	12				
b	Flashings/ Aprons.( Upto 600 mm)	metre	68				
c	Gutter .(600 mm over all girth)	metre	68				
<b>9</b>	<b>FINISHING</b>						
9.1	12 mm cement plaster of mix :						
a	1 : 6 (1 cement : 6 fine sand )	sqm	216				
9.2	15 mm cement plaster on the rough side of single or half brick wall of mix:						
a	1 : 6 (1 cement : 6 fine sand )	sqm	216				
9.3	Distempering with 1st quality acrylic distemper, having VOC						

	(Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour						
a	Two coats	sqm	346				
9.4	Finishing walls with textured exterior paint of required shade:						
a	New work ( Two or more coats applied @ 3.28 ltr/10sqm) over and including priming coat of exterior primer applied @ 2.20kg/10sqm	sqm	86				
9.5	Finishing with epoxy paint (two or more coats) at all locations prepared and applied as per manufacturers specifications including appropriate						
a	on steel work	sqm	477				
<b>10</b>	<b>Plumbing</b>						
10.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having Thermal stability for hot & cold water supply including all CPVC plain & brass Threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge (Approved make: Ashirvad, Sudhakar, Astral)						
a	2.0" dia.	Mts	500				
b	1.0" dia.	Mts	400				
<b>11</b>	<b>Cement concrete road</b>						
11.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.						
a	Ordinary soil	cum	250				
b	Hard rock	cum	100				
11.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in	cum	250				

	layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.						
11.3	Supplying and filling in with gravel under floors, including watering, ramming, and dressing, consolidating with power roller of 8 to 12 tonne capacity after excavating earth and consolidating with road rollwe including making good the undulations etc complete work	cum	500				
11.4	Disposal of excavated rock with in NIAB campus including all lead & lift complete as per direction of Engineer in-Charge.	cum	125				
11.5	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	cum	50				
11.6	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately).	cum	100				
	<b>Electrical work</b>						
<b>12</b>	<b>Point Wiring</b>						
12.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. ( Approved make: polycab, Finolex, Havells)						
a	Group C	point	34				
12.2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and						

	earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.						
a	Group C	point	18				
12.3	Wiring for light/power plug with 2x4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	metre	100				
12.4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	metre	100				
b	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	metre	60				
12.5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	each	8				
<b>13</b>	<b>Panels &amp; DB'S</b>						
13.1	Fabrication, supply, installation, testing and commissioning of wall/floor mounted cubicle panels made out of 2 mm thick CRCA MS sheet steel, all incomngs/ outgoing shall be arranged in suitable size compartments, locking arrangement for each compartments, including interconnection with 1100 V grade PVC insulated Aluminium conductor bus bar labelling, earthing with entire length of panel with 25mmX6 mm GI strip, detachable cable, brass compression glands for incoming and outgoing cables, powder coated painting etc. as required. Approved make: Schnieder, ABB, Legrand						
a	<b>Note:</b> All the MCCBs of capacity more than 250 Amp should be <b>Microprocessor</b> based and below 250Amp it						



	should be <b>Thermal Magnetic based</b>						
	MDB - N - External development						
	Incoming:						
	125 A, FP MCCB (36 KA) - 1 Nos.						
	200 A TPN AL. bus bar with coloured heat shrinkable PVC sleeve -1 Set						
	Outgoings:						
	63 A TPN MCCB, 16 KA - 4 Nos.						
	63 A DP MCB, 16 KA - 6 Nos.						
	Instruments:						
	Multi Function Meter (MFM) -1 No.						
	Indication lamp RYB with selector switch etc as req.	each	1				
13.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.						
a	100/63 Amp, 36 KA, FP MCCB	each	1				
13.3	Supplying and fixing following way, <b>horizontal type Single pole and neutral</b> , sheet steel, MCB distribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB /RCCB / Isolator)						
a	6 way Double door	each	4				
13.4	Supplying and fixing of following ways surface / recess mounting, <b>vertical type, 415 V, TPN MCB</b> distribution board of sheet steel,dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, base for mounting MCCBs (but without MCBs and incomer MCCB) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required).						
a	4 way (4 + 12), Double door	each	1				

13.5	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc.as required.						
a	For 14 way, Double door SPN MCBDB	each	4				
13.6	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.	each	1				
13.7	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a	Single pole	each	16				
b	Triple pole	each	4				
13.8	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a	40 amps	each	4				
13.9	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
a	Providing and fixing M.V. danger plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	each	1				
<b>14</b>	<b>Cables</b> (Approved make: polycab, Finolex, Havells)						
14.1	1.1 KV XLPE -AL-CABLES						
	Supplying of PVC insulated XLPE aluminium conductor armoured cable of 1.1 KV grade of following sizes confirming to IS: 7098 (Part I).						
a	4 x 16 sq mm	metre	450				
b	3.5 x 50 sq mm	metre	400				

14.2	1.1 KV XLPE -CABLES						
	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.						
a	Upto 35 sq.mm	metre	400				
b	Above 35 sq. mm & upto 95 sq.mm	metre	400				
14.3	END TERMINATIONS :						
	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.						
a	4 x 16 sq mm (28mm)	each	28				
b	3.5 x 50 sq mm (35 mm)	each	6				
14.4	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.						
a	150 mm dia	metre	50				
15	<b>Installation of Light Fitting, Fans and Fixtures</b>						
15.1	Installation, testing and commissioning of prewired, fluorescent fitting / LED fittings of all types , complete with all accessories and tube etc. directly on ceiling/wall, including connections with 1.5 sq.mm. PVC insulated, copper conductor, single core cable etc. as required. (Approved make: phillips, Crompton, Wipro, Havells)	each	44				
16	<b>Supply of Light Fitting, Fans and Fixtures</b>						
16.1	Supplying of following Surface / Recessed LED light Fittings of Wattage as specified below and have a rated system lifetime of 50,000 burning hours minimum at L70. The fixture should be complete with driver and suitable mounting accessories etc as required. Approved Make: PHILIPS /Wipro						

	/ Havells / REGENT/ LIGHTING TECHNOLOGIES.						
a	Supplying of LED <b>Bulkhead</b> with Wattage including driver <= 12 W, System Lumen >= 750 ,Fixture efficacy at System level (Not Chip Level) >100lumens/watt, Life of fixture 50000hrs@L70% Lumen maintenance, CCT Range 5700-6500 K, CRI >80, PF >0.9, THD <10%. Life of fixture 50000hrs@L70% Lumen maintenance, The luminaire shall meet IP65 rating and IK 08 rating . The luminaire housing should made of High pressure die cast Aluminium/ UV stabilized polycarbonate with polycarbonate front diffuser.	each	12				
16.2	Supplying of LED Batten having length 1150-1250 mm with a nominal system Wattage <= 20 W, System Lumen >= 2000,Fixture efficacy at System level (Not Chip Level) >110lumens/watt, Life of fixture 50000hrs@L70% Lumen maintenance, CCT Range 5700-6500 K, CRI >80, PF >0.95, THD <10%. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70.The luminaire shall meet IP20. The luminaire housing should made of CRCA /extruded Al with diffused optics	each	32				
16.3	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C	each	8				

	(max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.						
<b>17</b>	<b>Earthing &amp; Lightning Conductor</b>						
17.1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	set	2				
17.2	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	metre	10				
17.3	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	metre	25				
17.4	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	20				
17.5	Providing & fixing 6 SWG dia G.I. Wire on surface or recess for loop earthing as required.	metre	200				
<b>18</b>	<b>External Lighting</b>						
18.1	Supplying, Installation, Testing and commissioning of <b>9 mtr high Hot dip Galvanized Octagonal</b> pole. The Octagonal Poles shall be designed to withstand the maximum wind speed as per IS 875.The top loading i.e. area and the weight of fixtures are to be considered to calculate maximum deflection of the pole and the same shall meet the requirement of BSEN 40-2-1 & 3.The pole shaft shall be made from 3mm thik sheet steel confirming to BSEN 10025 having yield strength of 355 N/sqm and silicon content less than 0.04%.The octagonal Poles shall have door of						

	<p>approximate 500 mm length at the elevation of 500 mm from the Base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connections. The Octagonal Poles shall be in single section There shall not be any circumferential weld joint. The poles shall be hot dip galvanized as per BSEN ISO 1461 standard with average coating thickness of 70 micron. The galvanized mounting bracket shall be supplied along with the Octagonal Poles for installation of the luminaries. The column shall be provided with inbuilt loop box with 4 way 32Amp Heavy duty connector, 1 No SPMCB with wiring from MCB to fitting with 3x1.5 sq.mm PVC / XLPE ARMOURED Cables with COPPER Conductor 1100 V. Grade conrming to IS : 7098 (Pt-1) 1988 and shall have matching flush door, fabricated painted complete with RCC foundation including foundation bolts, suitable DWC / PVC pipe laid within the foundation for incoming and outgoing cables as per the Department's requirement. (Approved make: phillips, Crompton, Wipro, Havells)</p>						
a	Top dia - 70mm.						
b	Bottom dia - 155mm.						
c	Base plate - 260 x 260 x 16mm thick duly welded in column.	each	8				
18.2	Supply, Installation, Testing and Commissioning of max. <b>90 W LED, 5700 K</b> with minimum lumen output of <b>10800 lumens</b> , street light luminaries <b>IP:66</b> made out of die cast Aluminium housing with corrosion resistance powder coating using nano technology in approved color, heat resistant and toughened glass	each	8				

cover, gasket including accessories like AC Driver etc. complete as required to fit on the pole at site.						
COMPETENT AUTHORITY NAME , SIGN & DATE WITH STAMP & SEAL OF ORGANIZATION						

**\*\*\*\*\* Please note following very important points \*\*\*\*\***

**An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications must be provided. If any deviation is proposed by the Bidder, the same must be clearly indicated and enclosed as deviation as per given format. Compliance/Deviation statement comparing the specifications of the quoted model to the required specifications should also give the page number(s) of the technical literature where the relevant specification is mentioned. Bids must have supporting documents (technical literature or copies of relevant pages from the service manual or factory test data) for all the points of specification, failing this will result in rejection of bid. The technical committee can ask for demo in NIAB (if required at the time of technical evaluation). If bid participating firm fails to arrange for demo, it will result in rejection of the bid. In case of demo is to be arranged at different place other than NIAB, all the incidental expenses of this arrangement has to borne by the bid participating firm. No Queries will be entertained for waive off for demo as it is in utmost interest of the organisation to make correct procurement as per end user requirement and use public fund in correct manner with avoid of risk of purchase of substandard material. As specification is essence of this purchase no comprise will be made in ascertaining the right quality of product as per requirement for NIAB. Your Bid will be summarily rejected if this **TECHNICAL BID COMPLIANCE FORM** along with supporting technical documents are not submitted.**

**TECHNICAL SPECIFICATION**

**Construction of Transgenic Goat Shed-Comprising of  
Civil,Fabrication,Electrical and Road works at NIAB Campus**

**Qty: As per Specifications**

<b>S.No.</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty</b>
<b>1</b>	<b>Earth Work</b>		
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (blasting prohibited)		
a	All kinds of soil	cum	580.0
b	Ordinary rock	cum	495.6
c	Hard rock (blasting prohibited)	cum	354
1.2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (blasting prohibited)		
a	All kinds of soil	cum	205
b	Ordinary rock	cum	180
c	Hard rock	cum	129
1.3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	350
1.4	Extra for every additional lift of 1.5m or part thereof in excavation		
a	banking excavated or stacked materials.	cum	21
b	Ordinary or hard rock	cum	21
1.5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	75
1.6	Disposal of excavated rock for 1.00 kilometre lead inclusive of all lift complete as per direction of Engineer in-Charge.	cum	1160
<b>2</b>	<b>Concrete Work</b>		



2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		
a	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	cum	19
b	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	cum	55
2.2	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	sqm	49
2.3	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification	per 50 Kg of Cement	13
2.4	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	49
a	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	3
<b>3</b>	<b>RCC Work</b>		
3.1	Centering and shuttering including strutting, propping etc. and removal of form for :		
a	Foundations, footings, bases of columns, etc. for mass concrete.	sqm	78
b	Lintles, beams, plinth beams, girders, bressumers and cantilevers.	sqm	201
c	Columns, Pillars, Piers, Abutments, Posts and Struts.	sqm	26
3.2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.		
a	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	19002
b	Providing & fixing roofing consist of 0.8mm thick galvanized steel deck sheet conforming to IS 277:1992 used as permanent shuttering over which MS wire mesh 3mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs.	sqm	400
3.3	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability		

	as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).		
a	All works upto plinth level.	cum	149
3.4	Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	cum	4
3.5	Add for using extra cement in the items of design mix over and above the specified cement content therein.	quintal	75
<b>4</b>	<b>Brick Work</b>		
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		
a	Cement mortar 1:6 (1 Cement : 6 coarse sand)	cum	63
4.2	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :		
a	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	50
<b>5</b>	<b>Wood Work &amp; PVC Work</b>		
5.1	Providing and fixing aluminium tower bolts IS marked anodised ( anodic coating not less than grade AC 10 as per is : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:		
a	300x10 mm	each	12
b	150 x 10 mm	each	12
5.2	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :		
a	125 mm	each	48
<b>6</b>	<b>Steel Work</b>		
6.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	1319
6.2	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.		
a	Hot finished welded type tubes	kg	8316
6.3	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	kg	152
6.4	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a		

	priming coat of approved steel primer using structural steel etc. as required.		
a	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	kg	11124
6.5	Providing and fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.		
a	10 x80 mm	each	96
b	Providing and fixing GI chain link fabric fencing of required width in mesh size 50x50mm including strengthening with 2mm dia. Wire or nuts,bolts and washers as required at site made of G.I wire od dia 4mm	Sqm	315
<b>7</b>	<b>FLOORING</b>		
7.1	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately).		
a	(Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	cum	70
7.2	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement		
a	18 mm thick	sqm	117
<b>8</b>	<b>ROOFING</b>		
8.1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	290

8.2	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and olyester top coat 15-18 microns using self drilling/ self tapping screws complete :		
a	Ridges plain (500 - 600mm)	metre	12
b	Flashings/ Aprons.( Upto 600 mm)	metre	68
c	Gutter .(600 mm over all girth)	metre	68
<b>9</b>	<b>FINISHING</b>		
9.1	12 mm cement plaster of mix :		
a	1 : 6 (1 cement : 6 fine sand )	sqm	216
9.2	15 mm cement plaster on the rough side of single or half brick wall of mix:		
a	1 : 6 (1 cement : 6 fine sand )	sqm	216
9.3	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour		
a	Two coats	sqm	346
9.4	Finishing walls with textured exterior paint of required shade:		
a	New work ( Two or more coats applied @ 3.28 ltr/10sqm) over and including priming coat of exterior primer applied @ 2.20kg/10sqm	sqm	86
9.5	Finishing with epoxy paint (two or more coats) at all locations prepared and applied as per manufacturers specifications including appropriate		
a	on steel work	sqm	477
<b>10</b>	<b>Plumbing</b>		
10.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having Thermal stability for hot & cold water supply including all CPVC plain & brass Threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge (Approved make: Ashirvad, Sudhakar, Astral)		
a	2.0" dia.	Mts	500
b	1.0" dia.	Mts	400
<b>11</b>	<b>Cement concrete road</b>		
11.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including		

	disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.		
a	Ordinary soil	cum	250
b	Hard rock	cum	100
11.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	250
11.3	Supplying and filling in with gravel under floors, including watering, ramming, and dressing, consolidating with power roller of 8 to 12 tonne capacity after excavating earth and consolidating with road rollwe including making good the undulations etc complete work	cum	500
11.4	Disposal of excavated rock with in NIAB campus including all lead & lift complete as per direction of Engineer in-Charge.	cum	125
11.5	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	cum	50
11.6	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately).	cum	100
	<b>Electrical work</b>		
<b>12</b>	<b>Point Wiring</b>		
12.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. ( Approved make: polycab, Finolex, Havells)		
a	Group C	point	34
12.2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.		
a	Group C	point	18
12.3	Wiring for light/power plug with 2x4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit alongwith 1 No 4 sq. mm	metre	100

	FRLS PVC insulated copper conductor single core cable for loop earthing as required.		
12.4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.		
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	metre	100
b	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	metre	60
12.5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	each	8
<b>13</b>	<b>Panels &amp; DB'S</b>		
13.1	Fabrication, supply, installation, testing and commissioning of wall/floor mounted cubicle panels made out of 2 mm thick CRCA MS sheet steel, all incomngs/ outgoing shall be arranged in suitable size compartments, locking arrangement for each compartments, including interconnection with 1100 V grade PVC insulated Aluminium conductor bus bar labelling, earthing with entire length of panel with 25mmX6 mm GI strip, detachable cable, brass compression glands for incoming and outgoing cables, powder coated painting etc. as required. Approved make: Schnieder, ABB, Legrand		
a	<b>Note:</b> All the MCCBs of capacity more than 250 Amp should be <b>Microprocessor</b> based and below 250Amp it should be <b>Thermal Magnetic based</b>		
	MDB - N - External development		
	Incoming:		
	125 A, FP MCCB (36 KA) - 1 Nos.		
	200 A TPN AL. bus bar with coloured heat shrinkable PVC sleeve -1 Set		
	Outgoings:		
	63 A TPN MCCB, 16 KA - 4 Nos.		
	63 A DP MCB, 16 KA - 6 Nos.		
	Instruments:		
	Multi Function Meter (MFM) -1 No.		
	Indication lamp RYB with selector switch etc as req.	each	1
13.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.		
a	100/63 Amp, 36 KA, FP MCCB	each	1
13.3	Supplying and fixing following way, <b>horizontal type Single pole and neutral</b> , sheet steel, MCB distribution board, 240 V, on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar,		

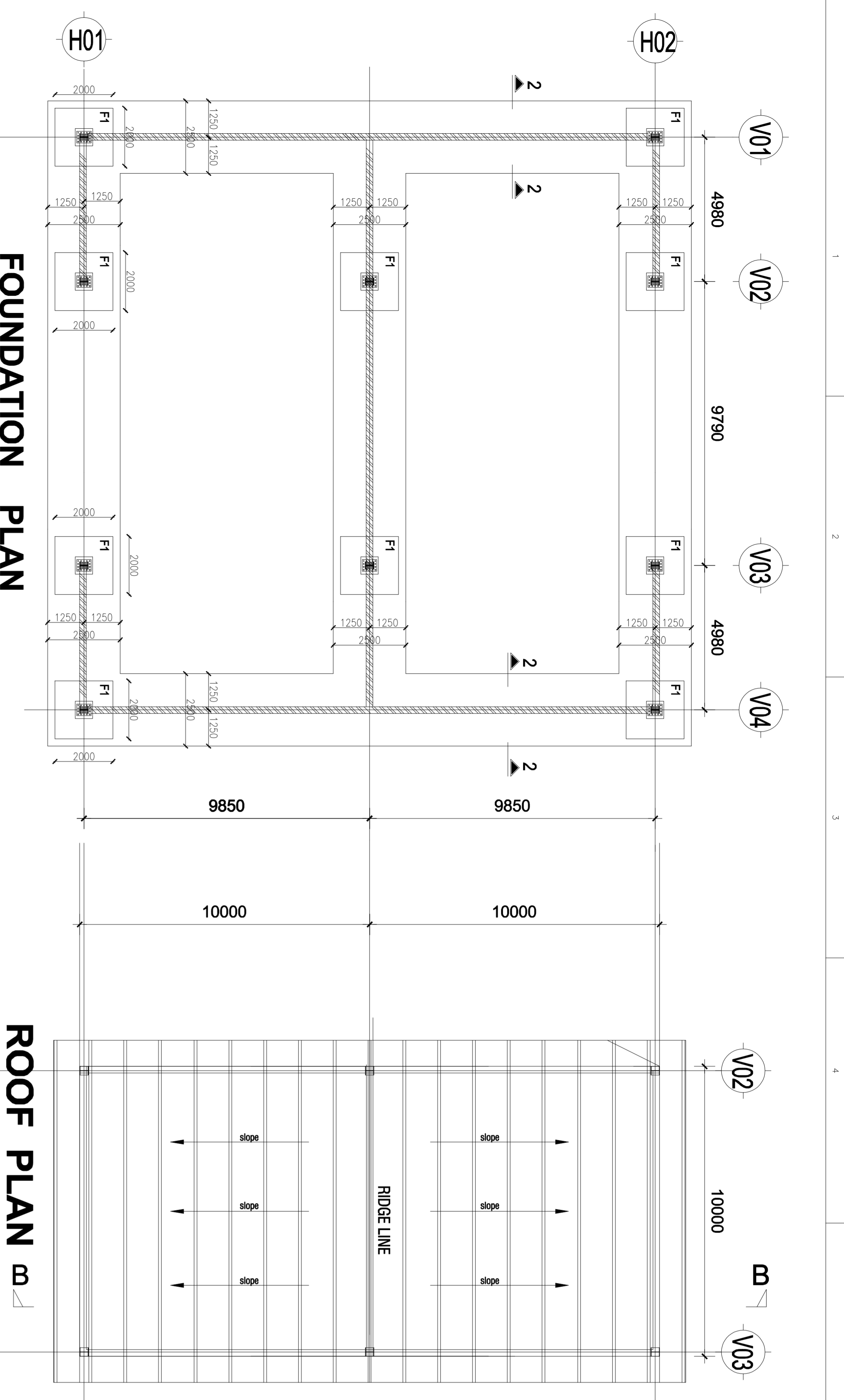
	interconnections, powder painted including earthing etc. as required. (But without MCB /RCCB / Isolator)		
a	6 way Double door	each	4
13.4	Supplying and fixing of following ways surface / recess mounting, <b>vertical type, 415 V, TPN MCB</b> distribution board of sheet steel,dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, base for mounting MCCBs (but without MCBs and incomer MCCB) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required).		
a	4 way (4 + 12), Double door	each	1
13.5	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc.as required.		
a	For 14 way, Double door SPN MCBDB	each	4
13.6	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.	each	1
13.7	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
a	Single pole	each	16
b	Triple pole	each	4
13.8	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
a	40 amps	each	4
13.9	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
a	Providing and fixing M.V. danger plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	each	1
<b>14</b>	<b>Cables</b> (Approved make: polycab, Finolex, Havells)		
14.1	1.1 KV XLPE -AL-CABLES		
	Supplying of PVC insulated XLPE aluminium conductor armoured cable of 1.1 KV grade of following sizes confirming to IS: 7098 (Part I).		
a	4 x 16 sq mm	metre	450
b	3.5 x 50 sq mm	metre	400
14.2	1.1 KV XLPE -CABLES		

	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.		
a	Upto 35 sq.mm	metre	400
b	Above 35 sq. mm & upto 95 sq.mm	metre	400
14.3	<b>END TERMINATIONS :</b>		
	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.		
a	4 x 16 sq mm (28mm)	each	28
b	3.5 x 50 sq mm (35 mm)	each	6
14.4	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.		
a	150 mm dia	metre	50
<b>15</b>	<b>Installation of Light Fitting, Fans and Fixtures</b>		
15.1	Installation, testing and commissioning of prewired, fluorescent fitting / LED fittings of all types , complete with all accessories and tube etc. directly on ceiling/wall, including connections with 1.5 sq.mm. PVC insulated, copper conductor, single core cable etc. as required. (Approved make: phillips, Crompton, Wipro, Havells)	each	44
<b>16</b>	<b>Supply of Light Fitting, Fans and Fixtures</b>		
16.1	Supplying of following Surface / Recessed LED light Fittings of Wattage as specified below and have a rated system lifetime of 50,000 burning hours minimum at L70. The fixture should be complete with driver and suitable mounting accessories etc as required. Approved Make: PHILIPS /Wipro / Havells / REGENT/ LIGHTING TECHNOLOGIES.		
a	Supplying of LED <b>Bulkhead</b> with Wattage including driver $\leq 12$ W, System Lumen $\geq 750$ ,Fixture efficacy at System level (Not Chip Level) $>100$ lumens/watt, Life of fixture 50000hrs@L70% Lumen maintenance, CCT Range 5700-6500 K, CRI $>80$ , PF $>0.9$ , THD $<10\%$ . Life of fixture 50000hrs@L70% Lumen maintenance, The luminaire shall meet IP65 rating and IK 08 rating . The luminaire housing should made of High pressure die cast Aluminium/ UV stabilized polycarbonate with polycarbonate front diffuser.	each	12
16.2	Supplying of LED Batten having length 1150-1250 mm with a nominal system Wattage $\leq 20$ W, System Lumen $\geq 2000$ ,Fixture efficacy at System level (Not Chip Level) $>110$ lumens/watt, Life of fixture 50000hrs@L70% Lumen maintenance, CCT Range 5700-6500 K, CRI $>80$ , PF	each	32

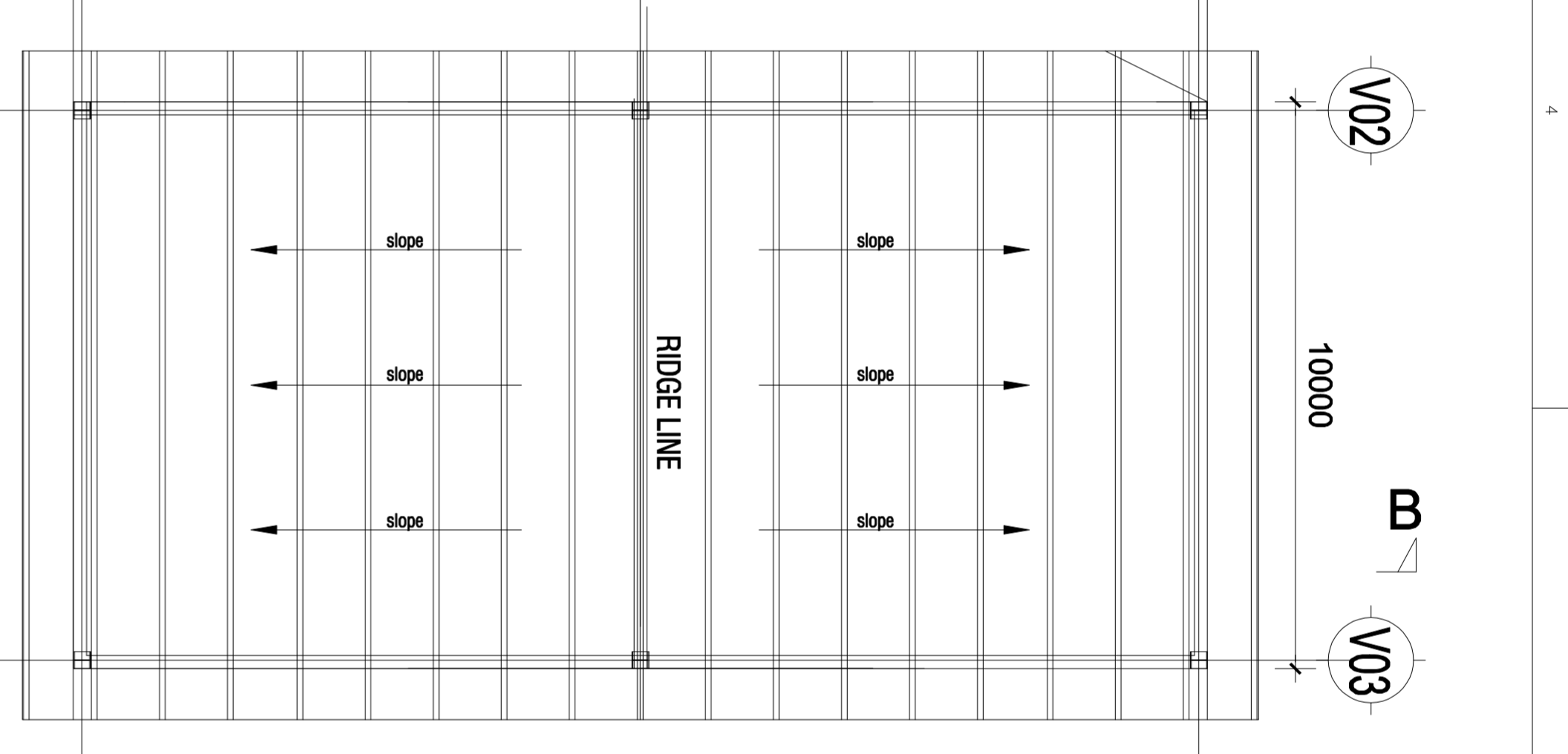


	>0.95, THD <10%. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70. The luminaire shall meet IP20. The luminaire housing should be made of CRCA /extruded Al with diffused optics		
16.3	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	each	8
<b>17</b>	<b>Earthing &amp; Lightning Conductor</b>		
17.1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	set	2
17.2	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	metre	10
17.3	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	metre	25
17.4	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	metre	20
17.5	Providing & fixing 6 SWG dia G.I. Wire on surface or recess for loop earthing as required.	metre	200
<b>18</b>	<b>External Lighting</b>		

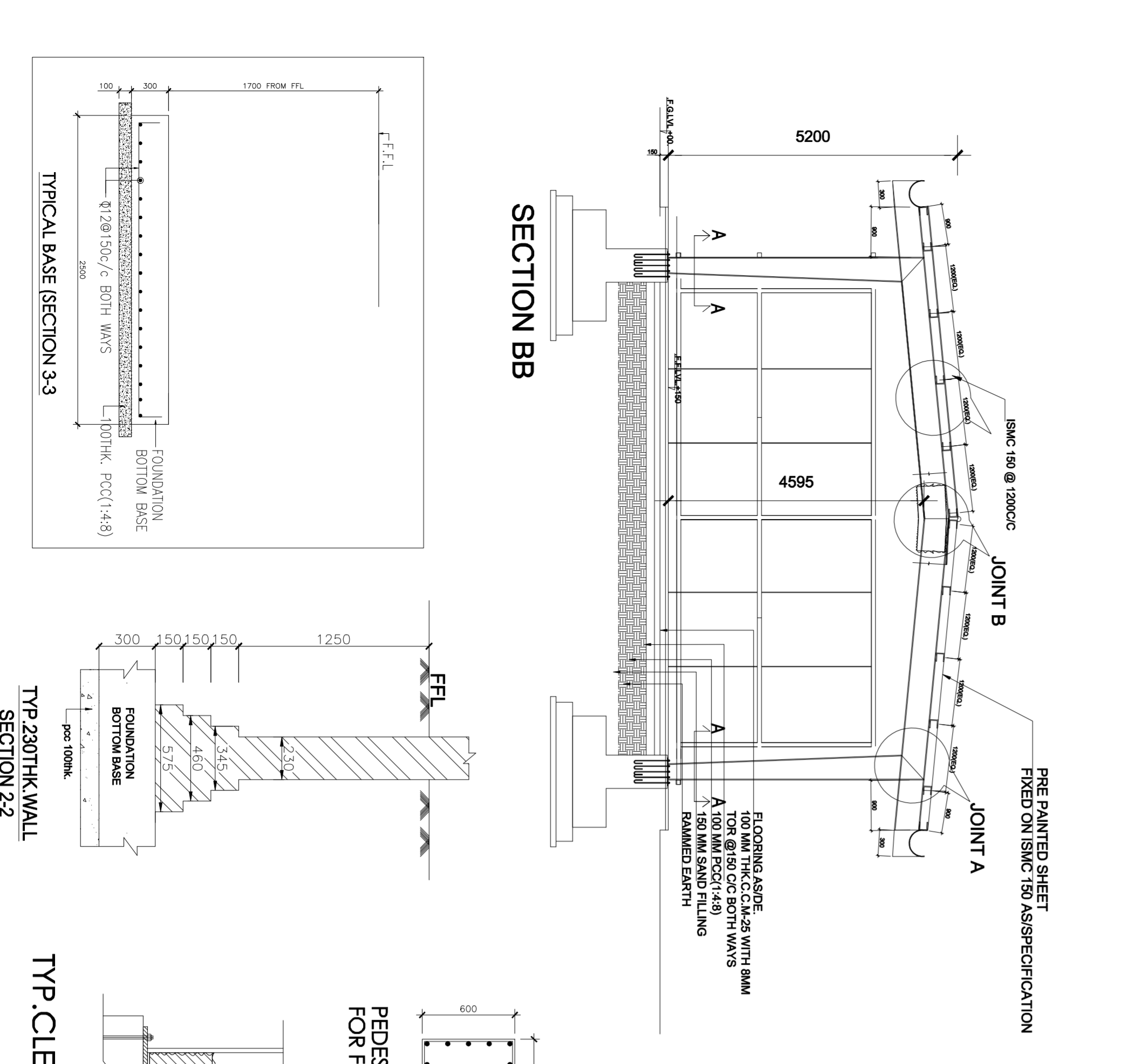
18.1	<p>Supplying, Installation, Testing and commissioning of <b>9 mtr high Hot dip Galvanized Octagonal</b> pole. The Octagonal Poles shall be designed to withstand the maximum wind speed as per IS 875. The top loading i.e. area and the weight of fixtures are to be considered to calculate maximum deflection of the pole and the same shall meet the requirement of BSEN 40-2- 1 &amp; 3. The pole shaft shall be made from 3mm thick sheet steel conforming to BSEN 10025 having yield strength of 355 N/sqm and silicon content less than 0.04%. The octagonal Poles shall have door of approximate 500 mm length at the elevation of 500 mm from the Base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connections. The Octagonal Poles shall be in single section There shall not be any circumferential weld joint. The poles shall be hot dip galvanized as per BSEN ISO 1461 standard with average coating thickness of 70 micron. The galvanized mounting bracket shall be supplied along with the Octagonal Poles for installation of the luminaries. The column shall be provided with inbuilt loop box with 4 way 32Amp Heavy duty connector, 1 No SPMCB with wiring from MCB to fitting with 3x1.5 sq.mm PVC / XLPE ARMoured Cables with COPPER Conductor 1100 V. Grade conforming to IS : 7098 (Pt-1) 1988 and shall have matching flush door, fabricated painted complete with RCC foundation including foundation bolts, suitable DWC / PVC pipe laid within the foundation for incoming and outgoing cables as per the Department's requirement. (Approved make: phillips, Crompton, Wipro, Havells)</p>		
a	Top dia - 70mm.		
b	Bottom dia - 155mm.		
c	Base plate - 260 x 260 x 16mm thick duly welded in column.	each	8
18.2	<p>Supply, Installation, Testing and Commissioning of max. <b>90 W LED, 5700 K</b> with minimum lumen output of <b>10800 lumens</b>, street light luminaries <b>IP:66</b> made out of die cast Aluminium housing with corrosion resistance powder coating using nano technology in approved color, heat resistant and toughened glass cover, gasket including accessories like AC Driver etc. complete as required to fit on the pole at site.</p>	each	8



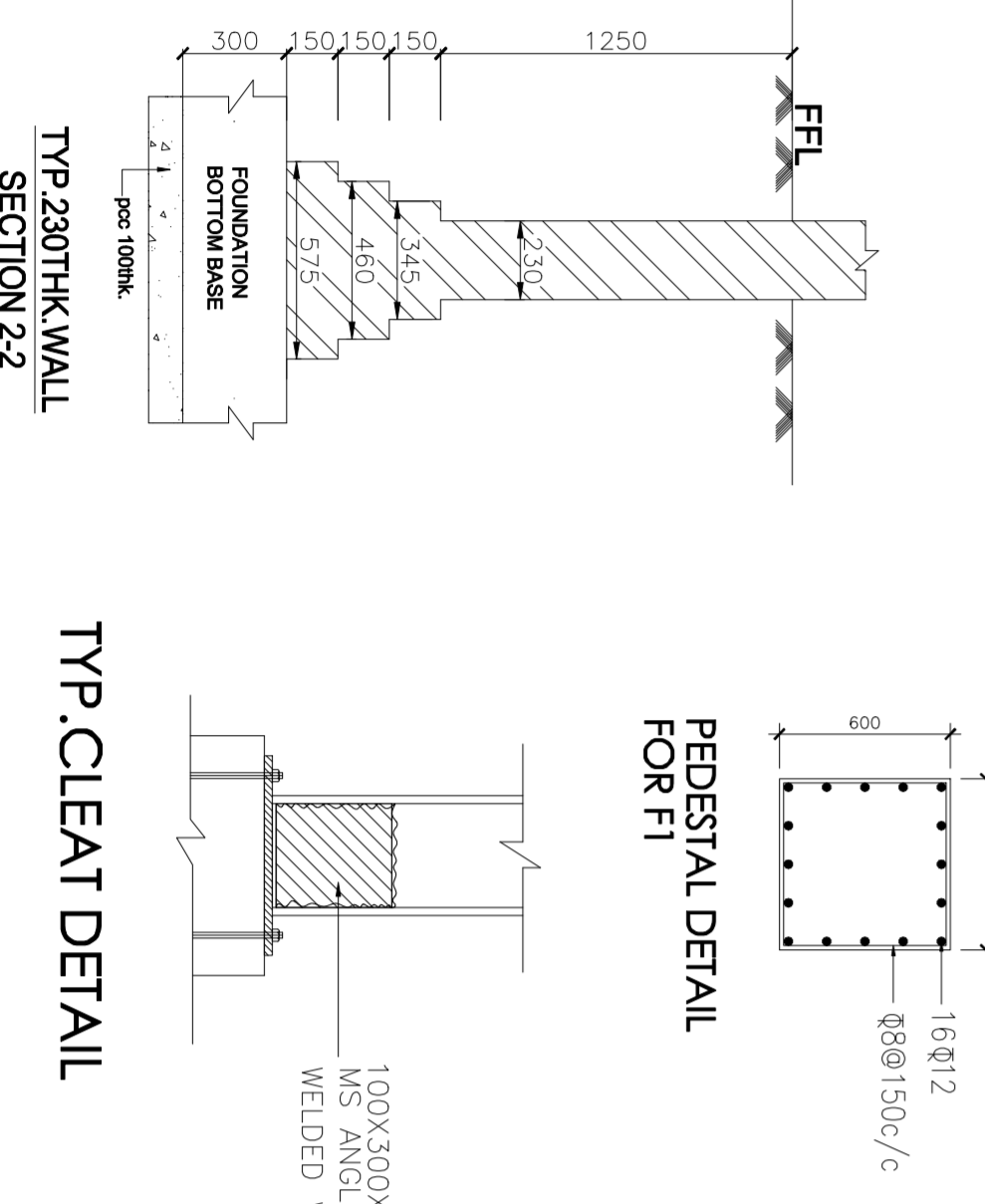
**FOUNDATION PLAN**



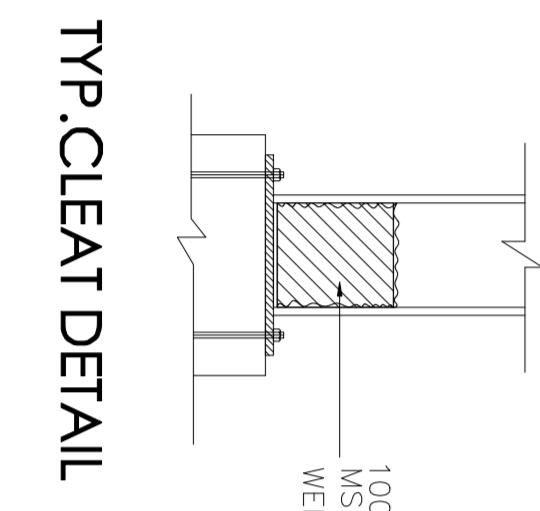
**ROOF PLAN**



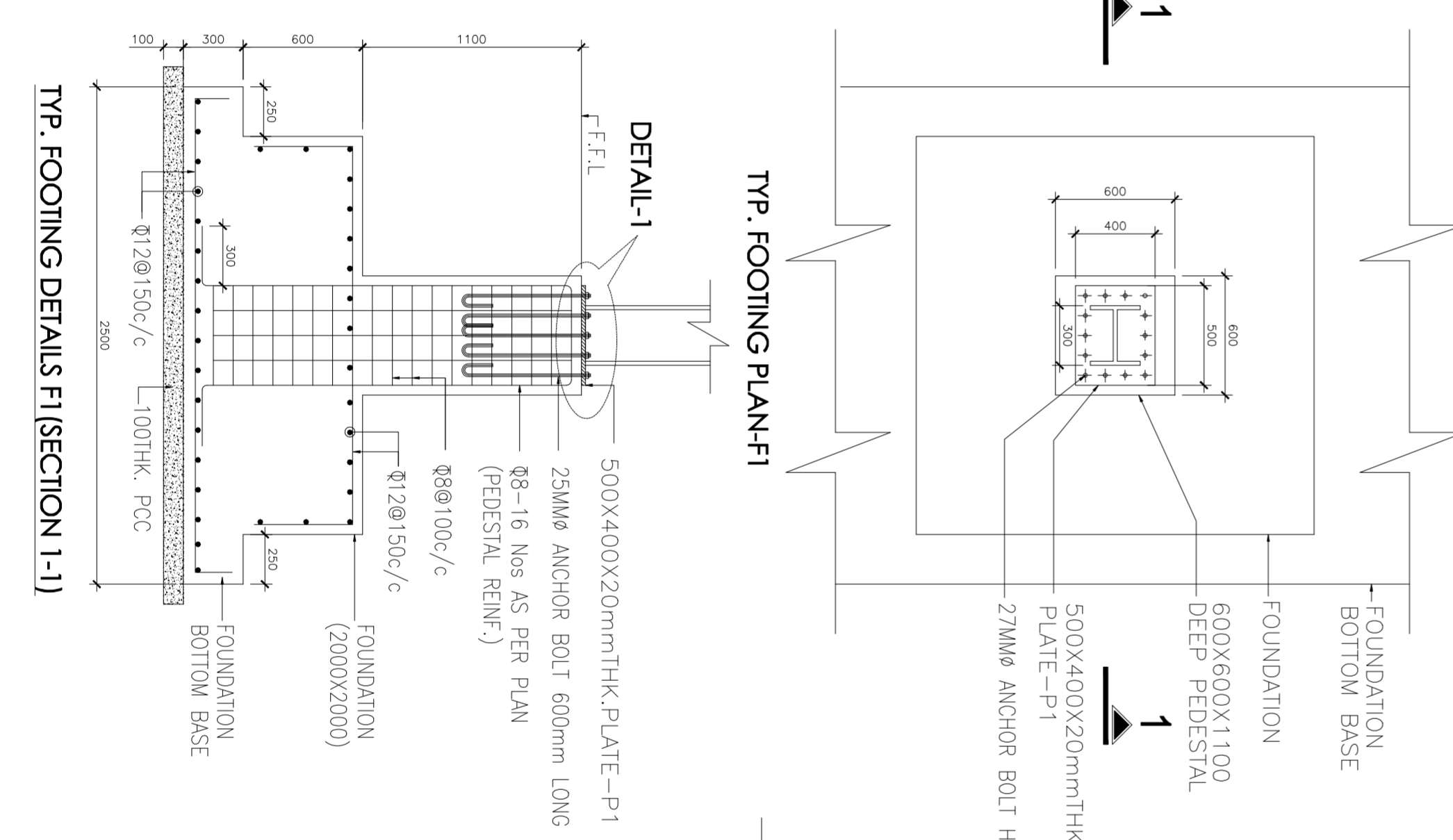
**SECTION BB**



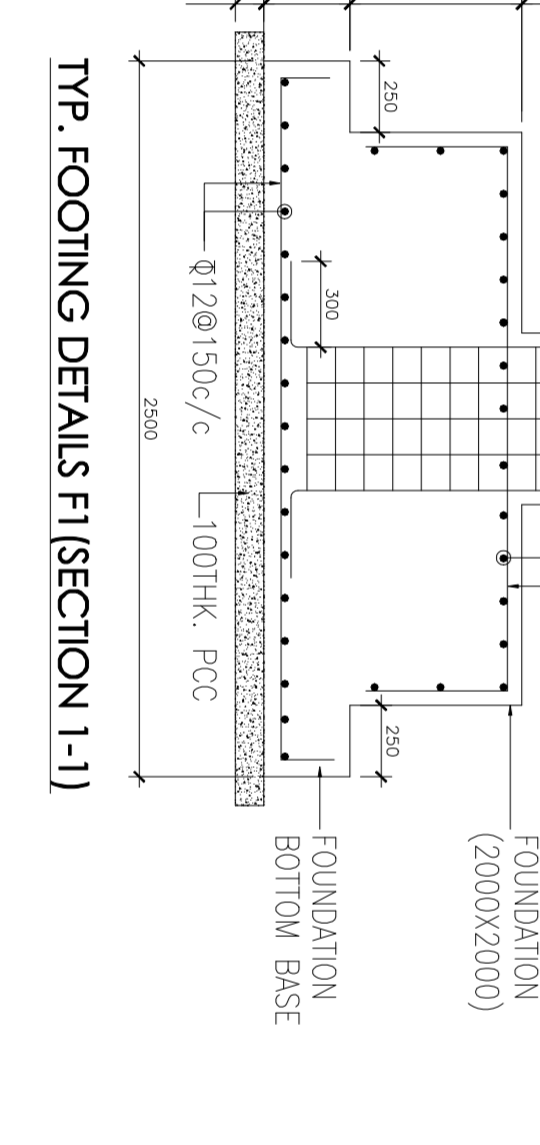
**TYP. 230THK WALL SECTION 2-2**



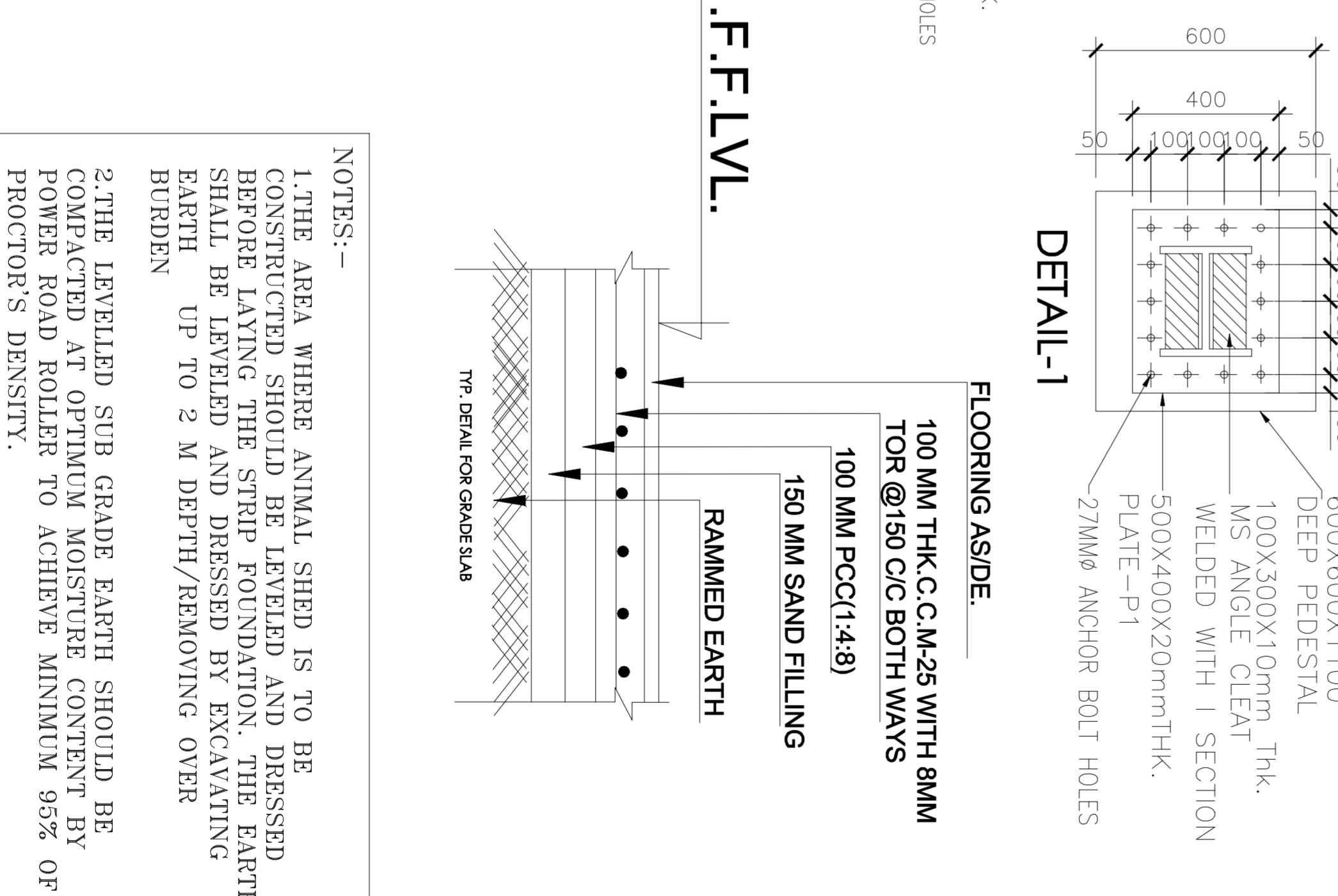
**TYP. CLEAT DETAIL**



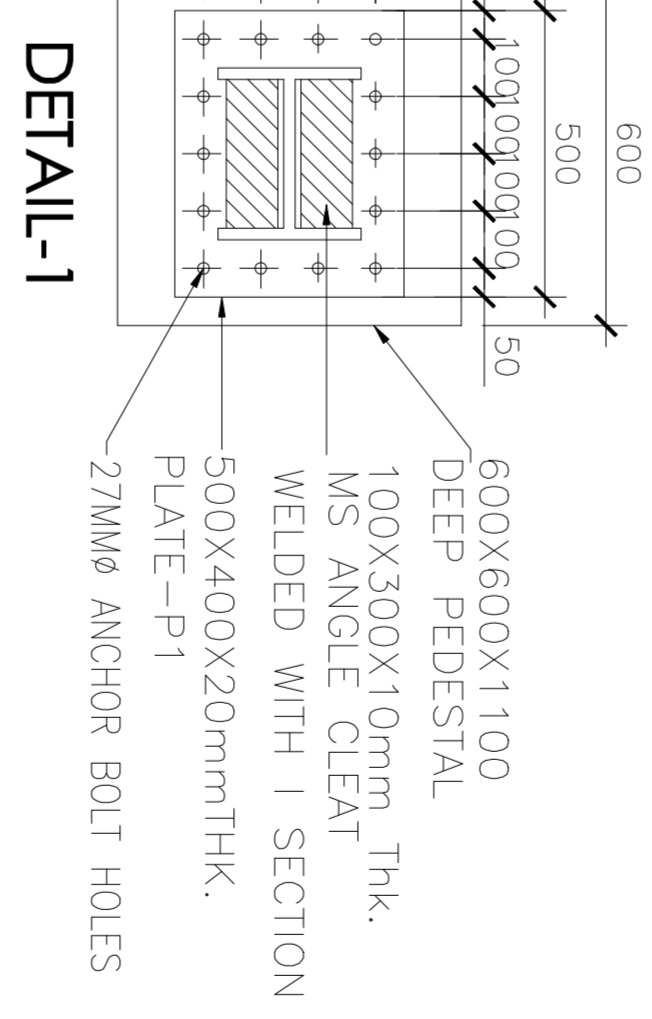
**TYP. FOOTING DETAILS (SECTION 1-1)**



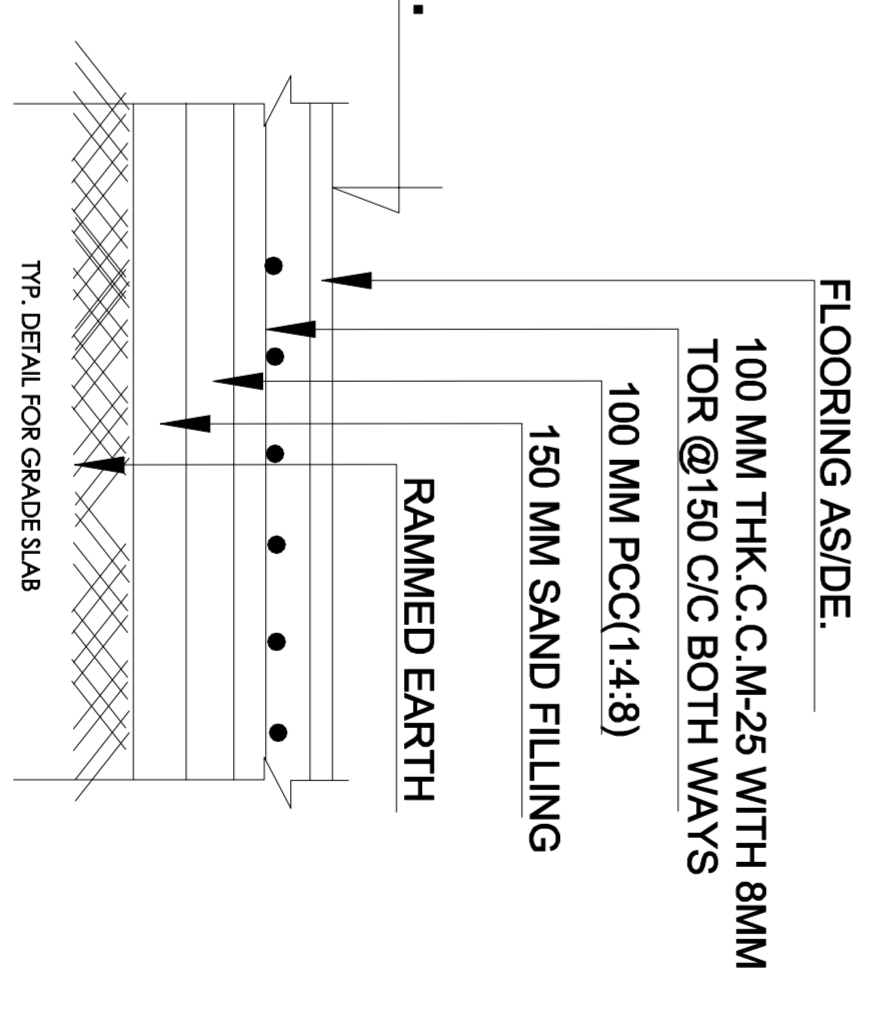
**TYP. FOOTING DETAILS (SECTION 1-1)**



**F.F.L.V.L.**

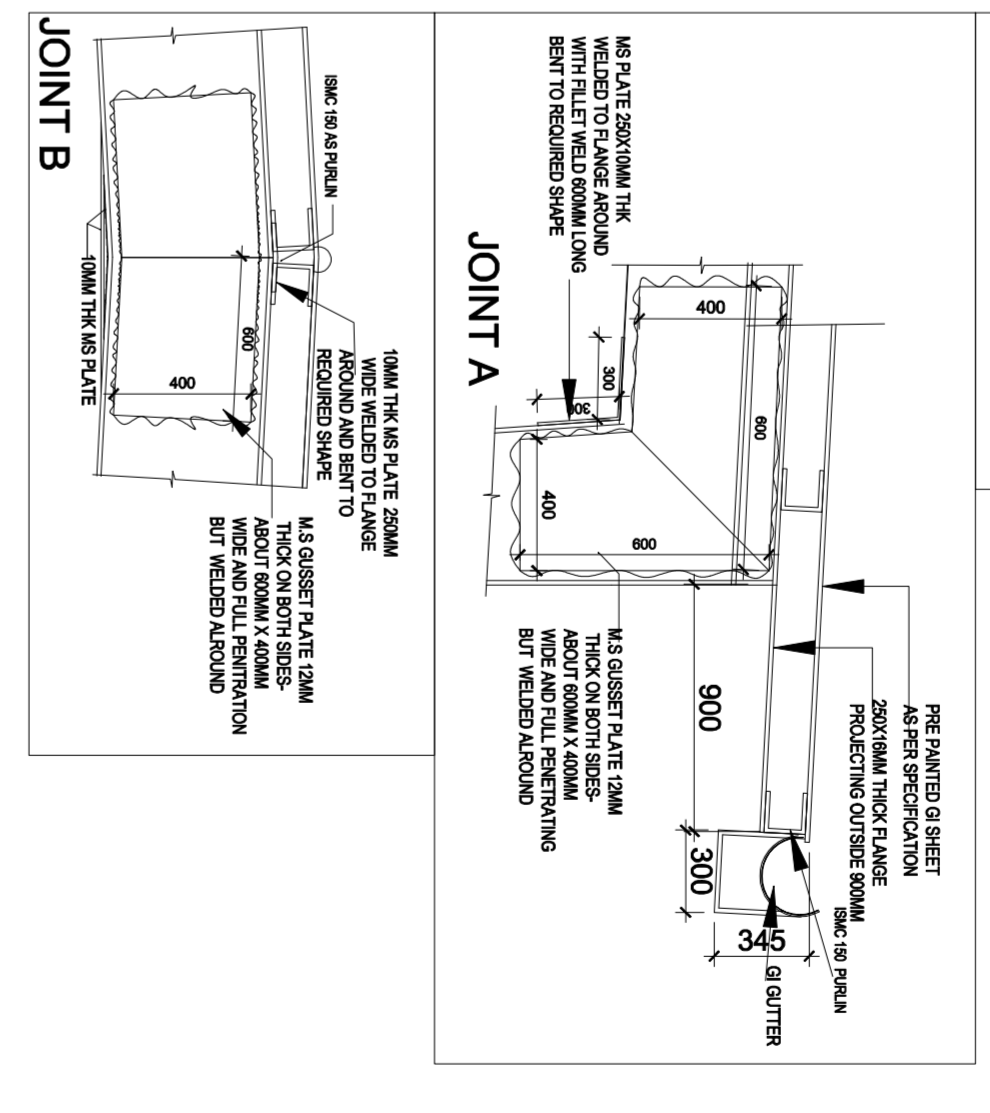
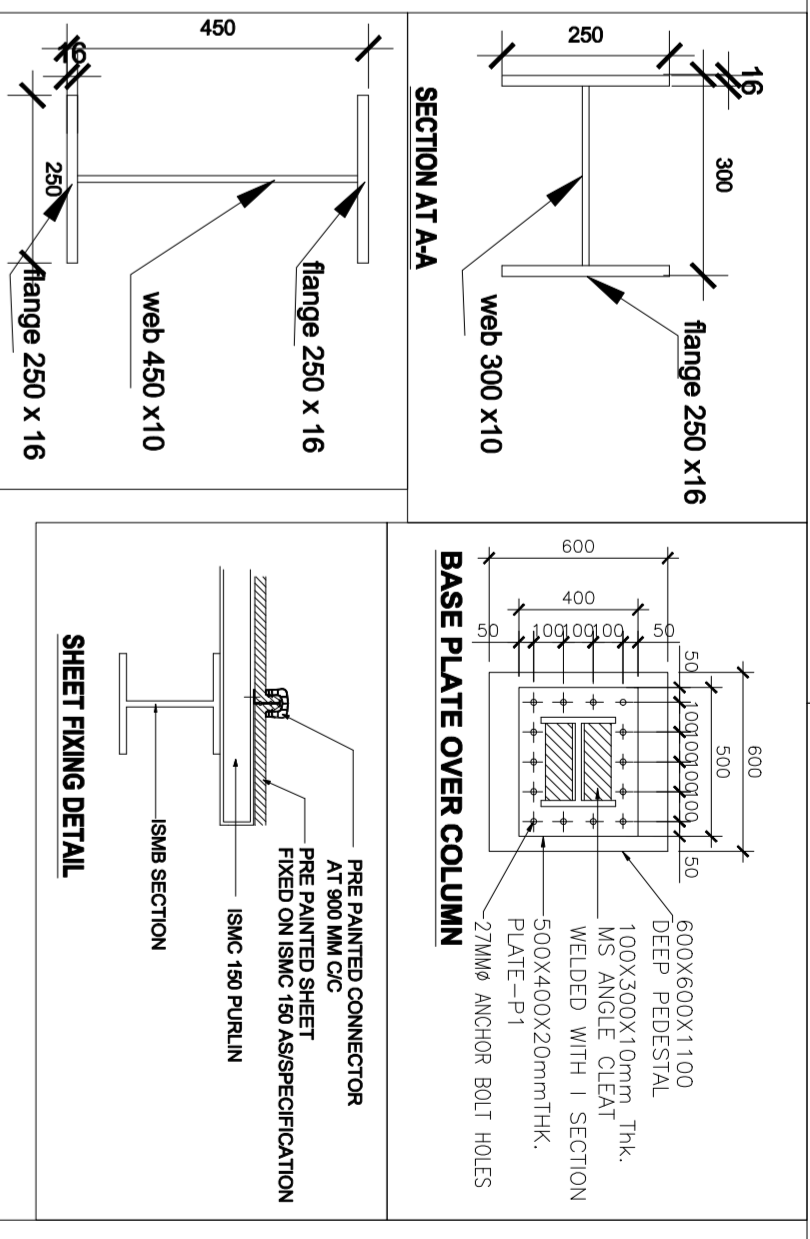


**DETAIL-1**



**TYP. DETAIL FOR GRADE SLAB**

**NOTES:-**  
 1. THE AREA WHERE ANIMAL SHED IS TO BE CONSTRUCTED SHOULD BE LEVELLED AND DRESSED BEFORE LAYING THE STRIP FOUNDATION. THE EARTH SHALL BE LEVELLED AND DRESSED BY EXCAVATING EARTH UP TO 2 M DEPTH/REMOVING OVER BURDEN  
 2. THE LEVELLED SUB GRADE EARTH SHOULD BE COMPACTED AT OPTIMUM MOISTURE CONTENT BY POWER ROAD ROLLER TO ACHIEVE MINIMUM 95% OF PROCTOR'S DENSITY.



**NOTES**

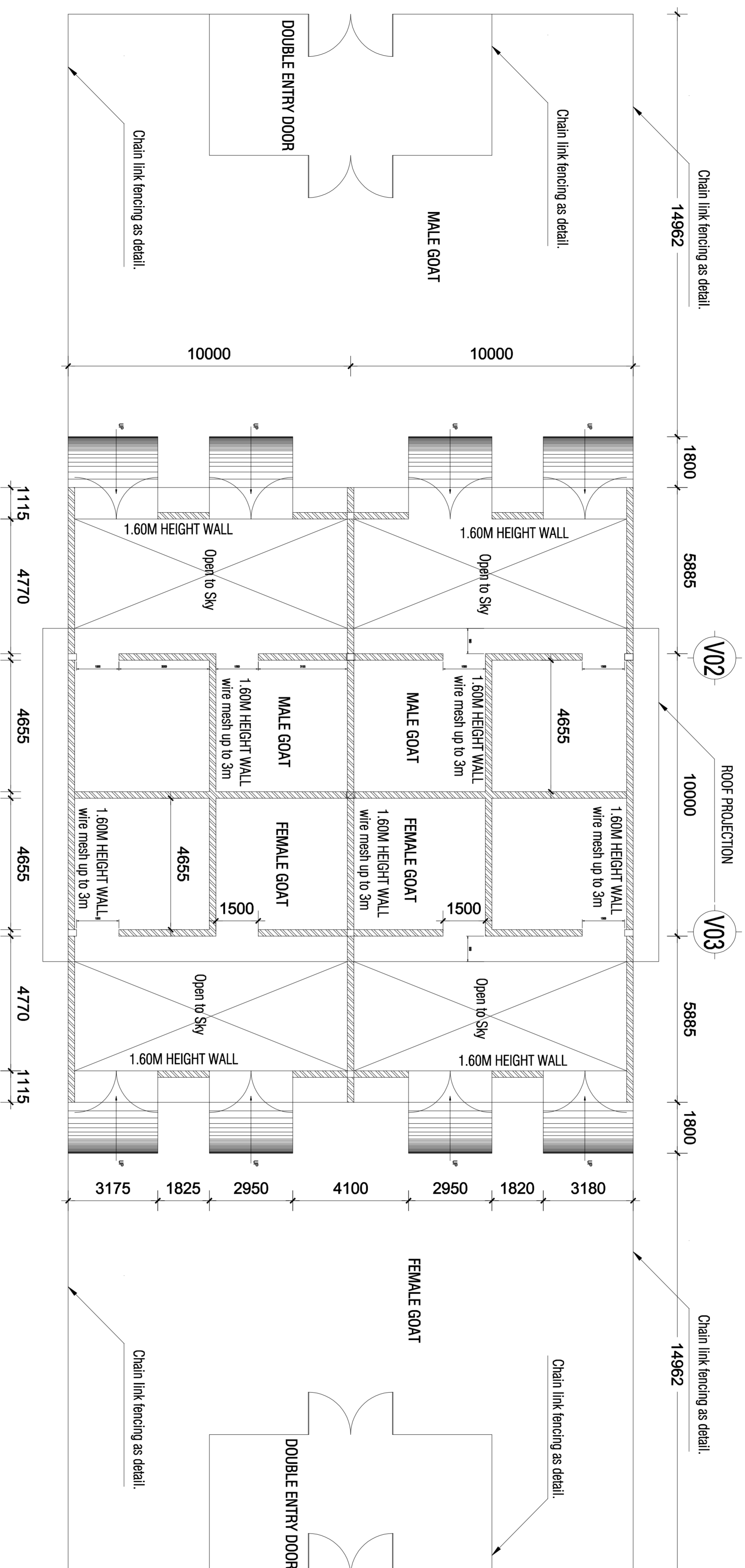
- ANY DISCREPANCY IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE BROUGHT TO NOTICE OF THIS OFFICE AND GOAT RECONCILED BEFORE EXECUTION.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. (3) ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS BE SCALED FROM THE DRAWING.
- CEMENT CONCRETE MIX SHALL BE M 25 DESIGN MIX U.N.O.
- ALL STEEL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH TMT BARS CONFORMING TO IS. 1786-2008 WITH MINIMUM YIELD STRESS /0.2% PROOF STRESS OF 500 N/mm<sup>2</sup> (GRADE Fy 500).
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:  
 STRUCTURAL ELEMENT    TOP    BOTTOM    SIDES  
 a) RAFT / FND    50    50    50  
 b) COLUMN    40    40    40  
 c) COLUMN DIMENSION ABOVE 230    25    25    25  
 d) BEAM    25    25    25  
 e) LINTEL UP TO 200 DEPTH    15    15    15  
 f) LINTEL / CHHALLA    15    15    15  
 g) SLAB / CHHALLA    15    15    15  
 (7) LAP / DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS SHALL BE 50Ø OF THE BAR. LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT NOT MORE THAN 50% OF THE REINFORCEMENT BARS SHALL BE OVERLAPPED/ CONTAINED AT ANY GIVEN SECTION.  
 (8) CONCRETING SHALL BE DONE IN DRY CONDITION. SUITABLE ARRANGEMENT SHALL BE MADE FOR Dewatering OF THE SUBSOIL IF FOUND NECESSARY TO PREVENT UP LIFTING OF FOUNDATION.  
 (9) TOP REINFORCEMENT BARS SHALL BE SUPPORTED ON SUITABLE CHAIRS ( NOT SHOWN IN DRG. ) SO THAT THEY MAY REMAIN IN POSITION WHILE CONCRETING.  
 (10) VERTICAL REINFORCEMENT BARS FOR COLUMNS/ RETAININGWALLS/ STAIRCASE ETC. SHALL BE PLACED BEFORE CASTING OF THE FOUNDATION.  
 (11) FOR OTHER GENERAL DETAILS, FOLLOW IS-456 (2000) OR SEEK CLARIFICATION FROM THE COMPETENT AUTHORITY.  
 (12) THE EXCAVATED AREA OF PLINTH/ FOUNDATION TO BE REFILLED WITH GOOD EARTH AS/GOOD ENGINEERING PRACTICE.  
 (13) ALL CONSTRUCTION WORK SHALL BE DONE IN PRESENCE OF QUALIFIED ENGINEERS.

**NOTES FOR CONSTRUCTION JOINTS:-**

- DURING CASTING OF FOUNDATION IF THE WORK IS STOPPED FOR A DURATION LONGER THAN THE INITIAL SETTING TIME OF CEMENT THEN SUCH DISCONTINUITY SHALL BE TREATED AS A CONSTRUCTION JOINT.
- CONSTRUCTION JOINTS SHALL BE MADE VERTICAL. BY PROPER TEMPLATE WITH SLOTS FOR ACCOMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH C.P.W.D. SPECIFICATIONS.
- CONSTRUCTION JOINT SHALL BE PLANNED NEAR MID SPAN BUT NOT OUTSIDE THE MIDDLE THIRD OF THE SPAN PROVIDED IT DOES NOT CARRY ANY CONCENTRATED LOAD.
- CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN THE CANTILEVER PART.

**PROJECT**  
**NATIONAL INSTITUTE OF ANIMAL BIO - TECHNOLOGY HYDERABAD.**

<b>BUILDING TYPE:</b> TRANSGENIC GOAT SHED	
<b>DRAWING TITLE:</b> FOUNDATION AND ROOF DETAILS	<b>REVISION</b> R0
<b>DRAWING NUMBER:</b> TS-GS-ST-001-R0	<b>SHEET NO.:</b>
<b>SCALE:</b> NTS	<b>SHEET SIZE:</b> A1



FLOOR PLAN AND DETAILS

NOTES:-

1. THE AREA WHERE ANIMAL SHED IS TO BE CONSTRUCTED SHOULD BE LEVELLED AND DRESSED BEFORE LAYING THE STRIP FOUNDATION. THE EARTH SHALL BE LEVELLED AND DRESSED BY EXCAVATING EARTH UP TO 2 M DEPTH/REMOVING OVER BURDEN
2. THE LEVELLED SUB GRADE EARTH SHOULD BE COMPACTED AT OPTIMUM MOISTURE CONTENT BY POWER ROAD ROLLER TO ACHIEVE MINIMUM 95% OF PROCTOR'S DENSITY.

NOTES

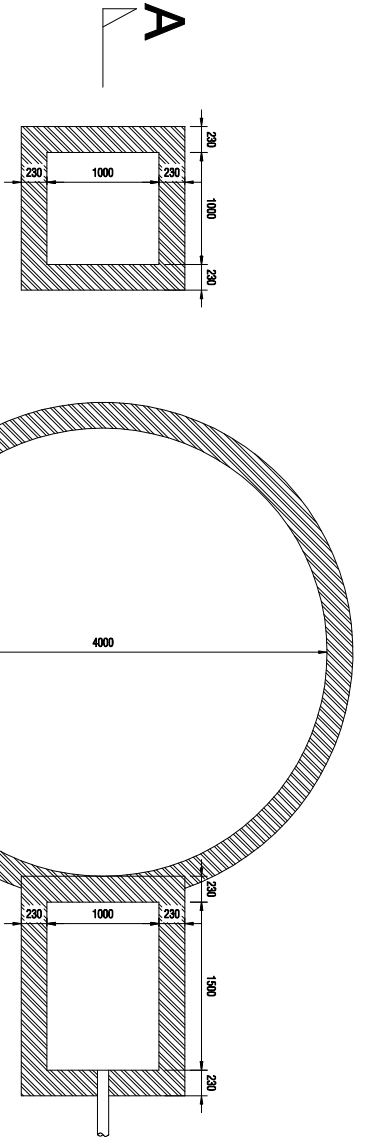
- (1) ANY DISCREPANCY IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE BROUGHT TO NOTICE OF THIS OFFICE AND GOAT RECONCILED BEFORE EXECUTION.
- (2) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
- (3) ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS BE SCALED FROM THE DRAWING.
- (4) CEMENT CONCRETE MIX SHALL BE M 25 DESIGN MIX D.N.O.
- (5) ALL STEEL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH TMT BARS CONFORMING TO I.S. 1786-2008 WITH MINIMUM YIELD STRESS /0.2% PROOF STRESS OF 500 N/mm<sup>2</sup> (GRADE Fe 500).
- (6) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:  
STRUCTURAL ELEMENT    TOP    BOTTOM    SIDES  
a) RAFT/FDN    50    50    50  
b) COLUMN    50    50    40  
c) COLUMN DIMENSION ABOVE 230    50    50    25  
d) BEAM    25    25    25  
e) LINTEL UP TO 200 DEPTH    15    15    15  
f) LINTEL ABOVE 200 DEPTH    15    15    15  
g) SLAB / CHHALLA    15    15    15  
h) LAP / DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS SHALL BE 50% OF THE BAR. LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT NOT MORE THAN 50% OF THE REINFORCEMENT BARS SHALL BE OVERLAPPED/CONTAINED AT ANY GIVEN SECTION.
- (7) CONCRETING SHALL BE DONE IN DRY CONDITION. SUITABLE ARRANGEMENT SHALL BE MADE FOR DEWATERING OF THE SUBSOIL IF FOUND NECESSARY TO PREVENT UPFLUING OF FOUNDATION.
- (8) TOP REINFORCEMENT BARS SHALL BE SUPPORTED ON SUITABLE CHAIRS ( NOT SHOWN IN DRG. ) SO THAT THEY MAY REMAIN IN POSITION WHILE CONCRETING.
- (9) VERTICAL REINFORCEMENT BARS FOR COLUMNS/RETAININGWALLS/STARCASE ETC. SHALL BE PLACED BEFORE CASTING OF THE FOUNDATION
- (10) FOR OTHER GENERAL DETAILS , FOLLOW IS-456 (2000) OR SEEK CLARIFICATION FROM THE COMPETENT AUTHORITY.
- (11) THE EXCAVATED AREA OF PLINTH/ FOUNDATION TO BE REFILLED WITH GOOD EARTH AS/GOOD ENGINEERING PRACTICE.
- (12) ALL CONSTRUCTION WORK SHALL BE DONE IN PRESENCE OF QUALIFIED ENGINEERS.

NOTES FOR CONSTRUCTION JOINTS:-

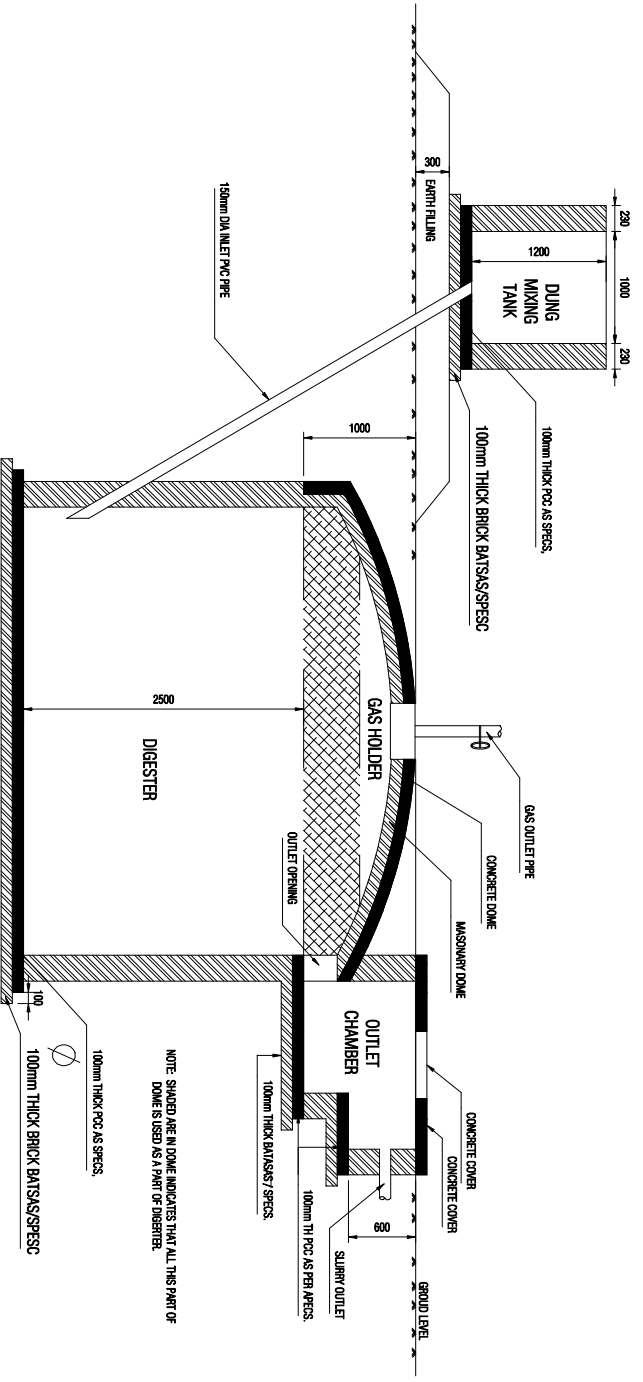
- (1) DURING CASTING OF FOUNDATION IF THE WORK IS STOPPED FOR A DURATION LONGER THAN THE INITIAL SETTING TIME OF CEMENT THEN SUCH DISCONTINUITY SHALL BE TREATED AS A CONSTRUCTION JOINT.
- (2) CONSTRUCTION JOINTS SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH C.P.M.O. SPECIFICATIONS.
- (3) CONSTRUCTION JOINT SHALL BE PLANNED NEAR MID SPAN BUT NOT OUTSIDE THE MIDDLE THIRD OF THE SPAN PROVIDED IT DOES NOT CARRY ANY CONCENTRATED LOAD.
- (4) CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN THE CANTILEVER PART.

PROJECT  
NATIONAL INSTITUTE OF ANIMAL  
BIO - TECHNOLOGY  
HYDERABAD.

BUILDING TYPE: <b>TRANSGENIC GOAT SHED</b>	REVISION
DRAWING TITLE: FLOOR PLAN AND DETAILS	R0
DRAWING NUMBER: <b>TS-GS-AR-001-R0</b>	
SCALE: NTS	SHEET NO.:
SHEET SIZE: A1	



PLAN



SECTION - A-A

NOTE: SHADED ARE IN DOME INDICATES THAT ALL THIS PART OF DOME IS USED AS A PART OF DIGESTER.

- NOTES**
- (1) ANY DISCREPANCY IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY AND NOT BE USED BEFORE EXECUTION.
  - (2) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
  - (3) ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED, NEITHER THE DIMENSIONS NOR THE DIMENSIONS BE SCALED FROM THE DRAWING.
  - (4) CONCRETE MIX SHALL BE M 25 DESIGN MIX U10.
  - (5) ALL STEEL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH TYPE BARS CONFORMING TO IS 1786-2006 WITH MINIMUM YIELD STRESS /0.2% PROOF STRESS OF 500 N/mm<sup>2</sup> (GRADE Fe 500).
  - (6) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
 

STRUCTURAL ELEMENT	TOP	BOTTOM	SIDES
a) RAFT	25	25	25
b) COLUMN DIMENSION UP TO 230	25	25	25
c) COLUMN DIMENSION ABOVE 230	25	25	25
d) BEAM UP TO 200 DEPTH	15	15	15
e) Lintel UP TO 200 DEPTH	15	15	15
f) SLAB / CHALK	15	15	15
g) SLAB / CHALK	15	15	25
  - (7) LAP/ DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS SHALL BE 50 OF THE BAR LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT AND MORE OVERLAP SHALL BE PROVIDED AT THE POINT OF ZERO BENDING MOMENT. REINFORCEMENT BARS SHALL BE STAGGERED/ CURTAILED AT ANY GIVEN SECTION.
  - (8) ARRANGEMENT SHALL BE DONE IN DRY CONDITION, SUITABLE IF FOUND NECESSARY TO PREVENT UPLIFTING OF FOUNDATION.
  - (9) TP REINFORCEMENT BARS SHALL BE SUPPORTED ON SUITABLE CHAINS ( NOT SHOWN IN Dwg. ) SO THAT THEY MAY REMAIN IN POSITION WHILE CONCRETING.
  - (10) VERTICAL REINFORCEMENT BARS FOR COLUMNS/ RETAINMENT WALLS/ STAIRCASE ETC. SHALL BE PLACED BEFORE CASTING OF THE CONCRETE.
  - (11) FOR OTHER GENERAL DETAILS, FOLLOW IS-456 (2000) OR REFER TO THE DRAWING.
  - (12) THE EXCAVATED AREA OF PILING/ FOUNDATION TO BE FILLED WITH GOOD EARTH AS/GOOD ENGINEERING PRACTICE.
  - (13) ALL CONSTRUCTION WORK SHALL BE DONE IN PRESENCE OF QUALIFIED ENGINEERS.

- NOTES FOR CONSTRUCTION JOINTS:-**
- (1) DURING CASTING OF FOUNDATION IF THE WORK IS STOPPED FOR A PERIOD LONGER THAN THE INITIAL SETTING TIME OF CEMENT THEN SUCH DISCONTINUITY SHALL BE TREATED AS A CONSTRUCTION JOINT.
  - (2) CONSTRUCTION JOINTS SHALL BE MADE VERTICAL, BY PROVIDING A KEY JOINT WITH A 100mm THICK BARS/S/SPECC.
  - (3) CONSTRUCTION JOINT SHALL BE PLANNED NEAR MID SPAN BUT NOT OUTSIDE THE MIDDLE THIRD OF THE SPAN, PROVIDED IT DOES NOT INTERFERE WITH THE STRUCTURAL INTEGRITY OF THE MEMBER.
  - (4) CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN THE CANTILEVER PART.

**PROJECT**  
**NATIONAL INSTITUTE OF ANIMAL BIO-TECHNOLOGY HYDERABAD.**

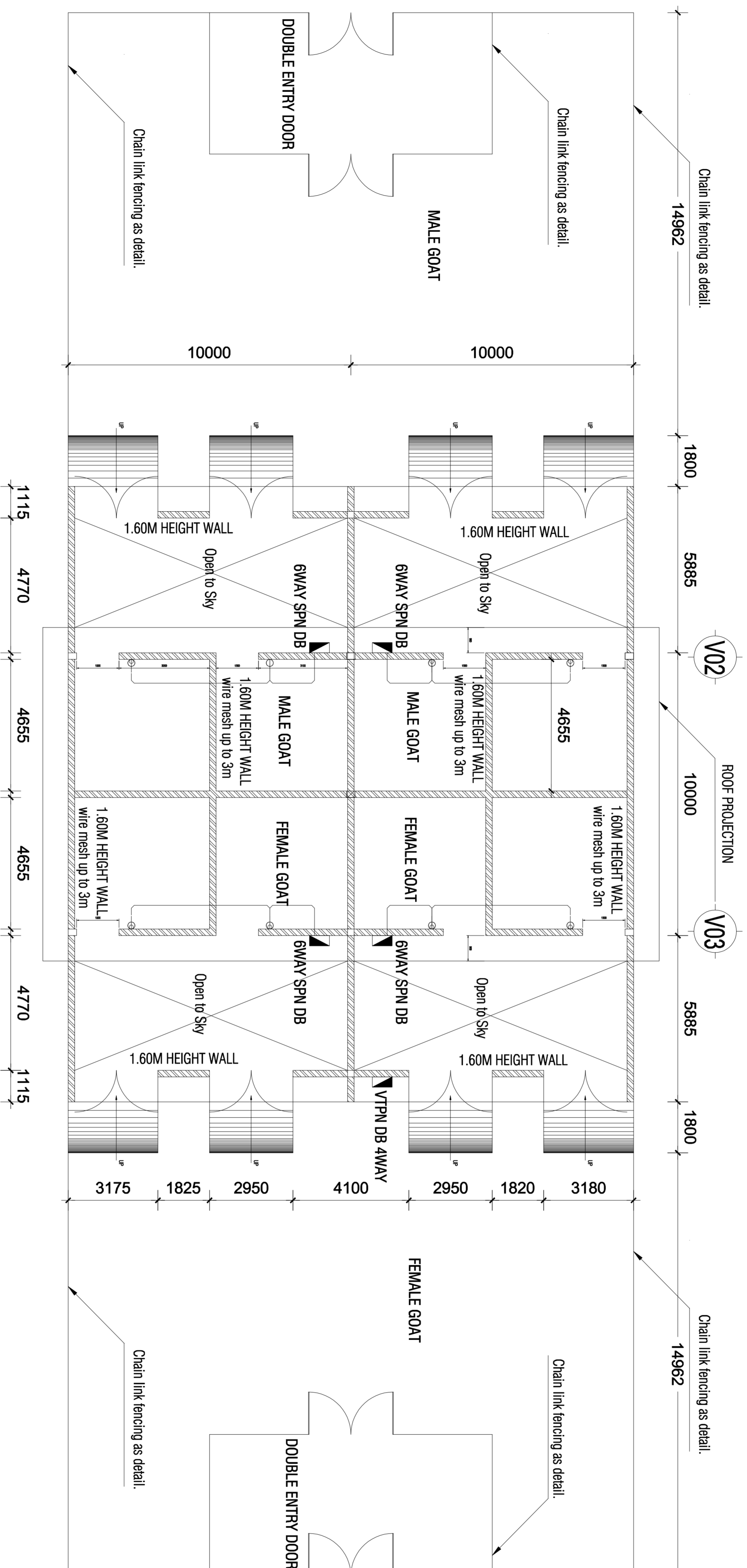
BUILDING TYPE	REVISION
BIOGAS	R0

**DRAWING TITLE**  
**PLAN,SECTION**

**DRAWING NUMBER**  
 TS-9C-001-40

**SCALE:** NTS  
**SHEET SIZE:** A3  
**SHEET NO.:** 01





GOAT SHED ELECTRICAL LAYOUT

NOTES:-

1. THE AREA WHERE ANIMAL SHED IS TO BE CONSTRUCTED SHOULD BE LEVELLED AND DRESSED BEFORE LAYING THE STRIP FOUNDATION. THE EARTH SHALL BE LEVELLED AND DRESSED BY EXCAVATING EARTH UP TO 2 M DEPTH/REMOVING OVER BURDEN
2. THE LEVELLED SUB GRADE EARTH SHOULD BE COMPACTED AT OPTIMUM MOISTURE CONTENT BY POWER ROAD ROLLER TO ACHIEVE MINIMUM 95% OF PROCTOR'S DENSITY.

NOTES

- (1) ANY DISCREPANCY IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE BROUGHT TO NOTICE OF THIS OFFICE AND GOAT RECONCILED BEFORE EXECUTION.
- (2) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
- (3) ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSIONS BE SCALED FROM THE DRAWING.
- (4) CEMENT CONCRETE MIX SHALL BE M 25 DESIGN MIX D.N.O.
- (5) ALL STEEL REINFORCEMENT SHALL BE OF HIGH YIELD STRENGTH TMT BARS CONFORMING TO I.S. 1786-2006 WITH MINIMUM YIELD STRESS /0.2% PROOF STRESS OF 500 N/mm<sup>2</sup> (GRADE Fe 500).
- (6) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:  
STRUCTURAL ELEMENT    TOP    BOTTOM    SIDES  
a) RAFT/FND    50    50    50  
b) COLUMN DIMENSION UP TO 230    —    —    40  
c) COLUMN DIMENSION ABOVE 230    —    —    25  
d) BEAM    25    25    25  
e) LINTEL UP TO 200 DEPTH    15    15    15  
f) LINTEL ABOVE 200 DEPTH    15    15    15  
g) SLAB / CHHALLA    15    15    15  
h) LAP / DEVELOPMENT LENGTH FOR MAIN REINFORCEMENT BARS SHALL BE 50% OF THE BAR. LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT NOT MORE THAN 50% OF THE REINFORCEMENT BARS SHALL BE OVERLAPPED/CONCURRED AT ANY GIVEN SECTION.
- (7) CONCRETING SHALL BE DONE IN DRY CONDITION. SUITABLE ARRANGEMENT SHALL BE MADE FOR DEWATERING OF THE SUBSOIL IF FOUND NECESSARY TO PREVENT UPLIFTING OF FOUNDATION.
- (8) TOP REINFORCEMENT BARS SHALL BE SUPPORTED ON SUITABLE CHAIRS ( NOT SHOWN IN DRG. ) SO THAT THEY MAY REMAIN IN POSITION WHILE CONCRETING.
- (9) VERTICAL REINFORCEMENT BARS FOR COLUMNS/RETAININGWALLS/STARCASE ETC. SHALL BE PLACED BEFORE CASTING OF THE FOUNDATION
- (10) FOR OTHER GENERAL DETAILS, FOLLOW IS-456 (2000) OR SEEK CLARIFICATION FROM THE COMPETENT AUTHORITY.
- (11) THE EXCAVATED AREA OF PLINTH/ FOUNDATION TO BE REFILLED WITH GOOD EARTH AS/GOOD ENGINEERING PRACTICE.
- (12) ALL CONSTRUCTION WORK SHALL BE DONE IN PRESENCE OF QUALIFIED ENGINEERS.

NOTES FOR CONSTRUCTION JOINTS:-

- (1) DURING CASTING OF FOUNDATION IF THE WORK IS STOPPED FOR A DURATION LONGER THAN THE INITIAL SETTING TIME OF CEMENT THEN SUCH DISCONTINUITY SHALL BE TREATED AS A CONSTRUCTION JOINT.
- (2) CONSTRUCTION JOINTS SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH C.P.W.O. SPECIFICATIONS.
- (3) CONSTRUCTION JOINT SHALL BE PLANNED NEAR MID SPAN BUT NOT OUTSIDE THE MIDDLE THIRD OF THE SPAN PROVIDED IT DOES NOT CARRY ANY CONCENTRATED LOAD.
- (4) CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN THE CANTILEVER PART.

PROJECT  
NATIONAL INSTITUTE OF ANIMAL  
BIO - TECHNOLOGY  
HYDERABAD.

BUILDING TYPE:	TRANSGENIC GOAT SHED
DRAWING TITLE:	GOAT SHED ELECTRICAL LAYOUT
DRAWING NUMBER:	TS-GS-EL-001-R0
REVISION:	R0
SCALE:	AS SHOWN
SHEET NO.:	1

### **Important point**

**In addition to Form -11 , Firm must submit Price Bid on their letterhead & upload in Cover 2 - Part - 1 ( Price Bid = Detail Quotation on firm's Letterhead giving full cost, tax details (all in detail) for the requirement mentioned in NIT in their own format but must give all details including tax etc all cost up to NIAB.**

**BOQ must be submitted in Cover -2 - Part- 2 , after carefully reading all the points mentioned therein in & final price as per your quotation.**

**The BOQ final cost must be matching with your Quotation/Price Bid and Price schedule A as per Form -11 submitted in Cover 2 - Part - 2 .**

**For any doubt on BOQ please send E mail [santosh@niab.org.in](mailto:santosh@niab.org.in),  
[spm@niab.org.in](mailto:spm@niab.org.in)**



## **OTHER IMPORTANT REQUIREMENTS WITH SPECIFICATION**

<b>I.</b>	<b>PLEASE SUBMIT ALL THE CERTIFICATE/UNDERTAKING/ FORMS AS PER NIT FAILING WHICH YOUR BID CAN BE REJECTED AS PER COMPETENT AUTHORITY DECISION</b>
<b>II.</b>	<b>BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY</b>
<b>III.</b>	<p><b>Please Quote your price in INR (THE INDIAN RUPEE) after considering following information about GST/Custom Duty Exemption. Necessary certificate will be provided by NIAB in this regard.</b></p> <p><b>National Institute of Animal Biotechnology is registered with the Department of Scientific and Industrial Research (DSIR) Vide Reg. No. TUN/RG-CDE (1175)/2020 dt 28-08-2020 valid up to 31.08.2025 for purposes of availing Customs Duty , GST exemptions in terms of Notfn. No. 51/96- Customs dt. 23 .07.1996, Notfn. No. 28/2003- Customs dt. 01.03 .2003, Notfn. No. 43/2017- Customs dt. 30.06.2017 &amp; Notfn. No. 47/2017- Integrated Tax (Rate) dt. 14.11.2017, Notfn. No. 10/2018-Integrated Tax (Rate) dt. 25.01.2018 and Notfn. No. 45/2017- Central Tax (Rate) dt. 14.11.2017, Notfn. No. 45/2017- Union Territory Tax (Rate) dt. 14.11.2017 &amp; Notfn. No. 9/2018- Central Tax (Rate) dt. 25 .01.2018, Notfn. No. 9/2018- Union Territory Tax (Rate) dt. 25.01.2018, as amended from time to time for research purposes only.</b></p> <p><b>Bidders Must CHECK &amp; Quote CORRECT Applicable GST &amp; Custom bonded warehouse price (if any) Duty Free/Concessional Duty as applicable as per rules/Notification as amended from time to time.</b></p>
<b>IV.</b>	<p>Only competent firm who can supply the material as per required specification should submit the Bid with supporting technical documents as the specification is essence of this procurement. Technical Bid Compliance Form and information/ important points mentioned therein as per tender document along with supporting documents, product brochure / technical literature/Catalogue / product website details (if any) must be submitted along with Bid. <u>If this is not submitted as per format mentioned in this tender document, the bid will be rejected with the reason (Failing compliance of Specification/Tender important requirements) and no correspondence will be made to firm in this regard &amp; No queries will be entertained in this regard from firm. Simply mentioning complied/yes without supporting documents will result in rejection of Bid and blacklisting of firm from future participation of NIAB tenders.</u></p>
<b>V.</b>	<p>All the items required to make required instrument functional must be quoted as main offer. No hidden cost should be mentioned as optional accessories. Optional accessories (if any) which is not related with making instrument functional, should be quoted separately. That will not be part of financial evaluation.</p>
<b>VI.</b>	<p>Local Service Support in Hyderabad (if any) with contact details &amp; details of installations completed in Hyderabad of the similar model should be submitted along with your bid. Prompt after sales service should be available.</p>
<b>VII.</b>	<p>Extended Comprehensive Warranty (<b>with</b> spares&amp; Service) for 3 years and AMC (<b>without</b> spares only service support) for 2 years should be quoted separately by the firm as per format given of price Bid as per Price Schedule B mentioned in this NIT. This is over &amp; above of standard warranty/ AMC offered by the firm/ as per NIT specification.</p>
<b>VIII.</b>	<p>If any brand name is mentioned in the specification it means that brand or substantially equivalent brand can be quoted/ will be considered.</p>
<b>IX.</b>	<p>Few of the conditions/ forms in this document may not be applicable for Service/Work /Non-Scientific items requirement as per this tender. Write “NA” in any of the form wherever it is suitable/applicable as per bid submitting firm considering the requirement in tender.</p>



## (How to find NIAB tenders in CPPP website.)

You can find our tenders on CPPP website under following link and selection mentioned below

Go to website <https://eprocure.gov.in/eprocure/app> then click [Tenders by Organisation](#) and then click Organisation Name - -- **Department of Biotechnology**-- you will find NIAB Tenders.

Also Tender link is available on NIAB website.

Go to <http://www.niab.org.in/Default.aspx> then click (Tenders ) then click ( [The following tenders may be viewed on the website of Central Public Procurement Portal](#) )

**TENDER PROCESSING CHARGES Rs 1500 /- is mandatory for all firms and not exempted to any firm. This Tender document is free of cost and no tender fees is applicable. EMD exemption is as rules mentioned herein. Please read tender document carefully to avoid rejection of bid. No queries will be entertained for rejection of Bid due to non-following of terms and conditions of NIT.**

**PLEASE CHECK REQUIRED FORMS AS PER CHAPTER- 5 AND KEEP IT READY ON SCAN PDF COPY ON YOUR LETTERHEAD /STAMP SEAL OF ORGANISATION TO UPLOAD ON CPPP.**

**For any queries you can send E mail to us [santosh@niab.org.in](mailto:santosh@niab.org.in), [purchase1@niab.org.in](mailto:purchase1@niab.org.in)**