



Eastern University, Sri Lanka

BIDDING DOCUMENT

**Accelerating Higher Education Expansion and Development Operation
(AHEAD)**

Name of Work:

**Faculty of Agriculture by the ELTA-ELSE Project under
Modernizing of Lecture Halls and Language Laboratory for
Faculty of Agriculture, at EUSL, Vantharumoolai.**

EUSL/OTS/AHEAD/R2/AGI/NS/22/11

Employer

Vice Chancellor
Eastern University, Sri Lanka
Vantharumoolai, Chenkalady.

Issued To

Issued By

Date.....

For Clarification:

Deputy Director Procurement 065 2059393 (voice)

Deputy Director Engineering 065 2240582 (voice)

CONTENTS

Page No.

| | |
|--|---------|
| Invitation for Bid ----- | 01 |
| Section 01 - Instructions to Bidders ----- | 02 |
| Section 02 - Standard Forms [Contract] --- | 03 |
| Section 03 - Conditions of Contract ----- | 06 |
| Section 04 - Form of Bid and Qualification Information ----- | 08 - 09 |
| Section 05 - Schedules ----- | 11 |
| Section 06 - Specification----- | 13 |
| Section 07 Bill of Quantity ----- | 14 |
| Section 08 - Drawings | 16 |



Eastern University, Sri Lanka
Invitation for Bids (IFB)

Accelerating Higher Education Expansion and Development Operation (AHEAD)

The Chairman, Department Procurement Committee, on behalf of the OTS, AHEAD Operations, Eastern University, Sri Lanka will receive sealed bids from interested eligible and qualified bidders for the work mentioned in the table given below and receiving will be closed at 2.00 pm on 14.07.2022. Bidding document and other than the attached information shall be obtained from Deputy Director/Procurement/Ots in person or by sending a request to ots@esn.ac.lk upto 3.00pm before 12.07.2022.

| S. No. | Name of Work | Estimated Cost Excluded VAT (Rs) | Required ICTAD/CIDA Valid Grade and the Specialty |
|--------|--|----------------------------------|---|
| 1.0 | Modernizing of Lecture Halls and Language Laboratory for Faculty of Agriculture, at EUSL, Vantharumoolai. | 4,900,000.00 | C8 or above (Building) |

1. All bidders shall be registered with the Institute for Construction Industry Development Authority (CIDA) (former ICTAD), under the grade and specialty given in the above.
2. Bid shall be valid up to 63 calendar days from the date of closing of bids.
3. Bid must be accompanied by bid security as mentioned below.
4. Bids shall be accompanied by a Bid Security which shall be;
 - in the format included in the Bidding document
 - in favour of **Vice Chancellor, Eastern University, Sri Lanka**
 - for an amount of **Rs. 55,000.00**
 - valid up to 63 days.
 - issued by any commercial bank operating in Sri Lanka approved by the Central Bank of Sri Lanka or Construction Guarantee Fund
5. Sealed Bids shall be delivered to the address given below. (Single stage single envelops system) The bids received after the closing time and date will be rejected.

Bids to be delivered to:

Deputy Director/Procurement, OTS/AHEAD Project, Office of the Registrar, Senate Building, Eastern University, Sri Lanka, Vantharumoolai, Chenkalady.

Tp. No.: 0652059393

6. Bids will be opened immediately after the closing time at the above address.
7. Bidders or their authorized representatives are requested to be present at the opening of Bids.
8. Pre-Bid meeting will be held on 06.07.2022 at 10.00 am at Palacholai Eastern University, Sri Lanka.

Interested bidders may obtain further information from the **Deputy Director/Procurement/ Deputy Director/Engineering** of AHEAD, Eastern University, Sri Lanka at Chenkalady during any working days during office hours from 9.00hrs to 15.00hrs. **Deputy Director/Procurement**, - OTS (AHEAD) may be contacted on Telephone 0652059393 and the **Deputy Director/Engineering** on 065 2240582.

**Deputy Director/Procurement,
OTS/AHEAD
Eastern University, Sri Lanka
Vantharumoolai, Chenkalady.**

Section 01
Instructions to Bidders

(a) INSTRUCTION TO BIDDERS

Instruction to Bidders applicable to this contract shall be First Edition - September 2003 of Standard Bidding Document of Works - Minor Contracts (ICTAD/SBD/03) in Sri Lanka, published by the Institution of Construction Training and Development (ICTAD), (Presently CIDA), Sri Lanka.

This publication (ICTAD/SBD/03) can be purchased at the Institute of Construction Training and Development (ICTAD), Swasiripaya,123, Wijerama Mawatha,Colombo 7.

Instruction to Bidders Shall be Read in Conjunction with Section - 5.

Instruction to Bidders will not be a part of the contract and will cease to have effect once the contract is signed

Section 02
Standard Forms (Contract)

- Letter of Acceptance
- Agreement
- Performance Security
- Advance Payment Security
- Retention Money Guarantee
- Bid Security

FORM OF LETTER OF ACCEPTANCE

[Letter head paper of the Employer]

..... [date)

To:

.....[name of the Contractor)

.....[address of the Contractor)

This is to notify you that your Bid dated..... for construction and remedying defects of the..... .. [name of the Contract and identification number, as given in the Contract Data) for the Contract price of Rupees..... (amount in figures and words) as corrected in accordance with Instructions to Bidders and! or modified by a Memorandum of Understanding² (if any), is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Start Date shall be:.....,..... (fill as per Clause 6.1 of Conditions of Contract).

The amount of Performance Security is: (fill as per Clause 4.4 of Conditions of Contract).

The deadline for submission of Performance Security is..... (fill as per Clause 4.4 of Conditions of Contract).

Authorized Signature:.....

Name and title of Signatory.....

Name of Agency:

FORM OF AGREEMENT

This Agreement made the [day] of [month] 20..... [year], between [name and address of Employer] (hereinafter called and referred to as "the Employer"), of the one part, and [name and address of Contractor] (hereinafter called and referred to as "the Contractor"), of the other part:

Whereas the Employer desires that the Contractor execute [name and identification no of Contract](hereinafter called and referred to as "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract hereinafter referred to.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execute and complete the Works and remedy any defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

.....
Authorized signature of Contractor

.....
Authorized signature of Employer

COMMON SEAL

COMMON SEAL

In the presence of
Witnesses:

- 1) Name and NIC No.....
Signature
Address
- 2) Name and NIC No.
Signature
Address

**FORM OF PERFORMANCE SECURITY
(Unconditional)**

NUMBER:.....

DATE:.....

SUM GUARANTEED:

To: *The Vice Chancellor,
Eastern University, Sri Lanka,
Vantharumoolai, Chenkalady.*

(hereinafter called and referred to as "the Employer")

WHEREAS..... *[name and address of Contractor]* (hereinafter called and referred to as "the Contractor") has undertaken, in pursuance of contract No..... datedto execute..... *[name of Contract]* (hereinafter called and referred to as "the Contract");

AND WHEREAS it has been stipulated by the Employer in the said Contract that the Contractor shall furnish the Employer with a Guarantee issued by a recognized organization for the sum specified therein as security for compliance with its obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rupees..... *[amount of guarantee]**[amount in words]*, such sum being payable in the type and proportions of currencies in which the Contract Price is payable, and we undertake to pay the Employer, upon the Employer's first written demand and without cavil or objection, any sum or sums within the said amount as aforesaid without the Employer's needing to prove or to show grounds or reasons for the Employer's demand for the sum specified therein.

We hereby waive the necessity of the Employer's demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between the Employer and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice or any such change, addition or modification.

This guarantee shall be valid until a date 28 days from the date of issue of the Taking Over Certificate.(after completion of successful defects liability period)

Signature and the Seal of the Guarantor:

Name of the Bank:

Address:.....

Date:

Witness:

FORM OF ADVANCE PAYMENT SECURITY

NUMBER:..... DATE:.....

SUM GUARANTEED:.....

To: *The Vice Chancellor*
Eastern University, Sri Lanka
Vantharumoolai, Chenkalady.
(hereinafter called and referred to as "the Employer")

Name of the Contract :.....

In accordance with the provisions of the Conditions of Contract, of the above mentioned contract

..... (*name and address of contractor*) (hereinafter called and referred to as "the Contractor") shall deposit with the Employer a bank guarantee to guarantee its proper and faithful performance under the said Contract in and amount of [*amount of guarantee*] [*amount in words*]

We, the [*the name and address of the organization*], as instructed by the contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Employer on its first demand without whatsoever right of cavil and objection on our part and without the Employer's needing to prove or to show grounds or reason for the Employer's demand for the sums specified therein and without its first claim to the Contractor, in the amount not exceeding Rupees [*amount of guarantee*] [*amount in words*] such amount to be reduced periodically by the amounts recovered by the Employer from the proceeds of the contract.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract document which may be made between the Employer and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice or any such change, addition or modification.

No drawings may be made by the Employer under this guarantee until we have received notice in writing from the Employer that an advance payment of the amount listed above has been paid to the Contractor pursuant to the Contract.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Contractor under the Contract until the Employer receives full repayment of the same amount from the Contractor.

Signature and the Seal of the Guarantor:

Name of the Bank:

Address.....

Date:

Witness:

FORM OF RETENTION MONEY GUARANTEE

NUMBER:.....

DATE:.....

SUM GUARANTEED:

To: *The Vice Chancellor*
Eastern University, Sri Lanka
Vantharumoolai, Chenkalady
(hereinafter called and referred to as "the Employer")

Whereas, it has been stipulated by the Employer in clause 10.5 of the Conditions of Contract that he would release to the contractor the full sum mentioned under the contract in pursuance of clause 10.5, on the contractor furnishing an unconditional guarantee acceptable to the Employer to the full value of the retention money, valid upto 28 days beyond the end of the Defects Notification Period.

We.....(name and address of the
Guarantor)

as instructed by the Contractor, unconditionally and irrevocably, guarantee to pay the Employer upon the Employer's first written-demand and without cavil or objection, any sum or sums within the said amount as aforesaid without the Employer's needing to prove or to show grounds or reasons for the Employer's demand for the sum specified therein and the said amount of Rupees.*amount of Guarantee*
..... [*amount in words*) in the event the contractor fails to carry out his obligations to rectify defects which he is responsible to rectify under the contract.

This guarantee shall be valid up-to..... [*date*)

Signature and Seal of the Guarantor:.....

Name of Bank :.....

Address:.....

Date:

Witness:.....

FORM OF BID SECURITY

To: *The Vice Chancellor,
Eastern University, Sri Lanka
Vantharumoolai, Chenkalady*

WHEREAS, *[name of bidder]* (hereinafter called and referred to as "the Bidder") has submitted its Bid dated ...*[date]* for the Design and Construction of.....*[name of Contract]* (hereinafter called and referred to as "the Bid.").

KNOW ALL PEOPLE by these presents that WE *[name of organization]* having our registered office at..... (hereinafter called and referred to as "the Guarantor"), are bound unto *[name of Employer]* (hereinafter called and referred to as "the Employer") in the sum of Sri Lanka Rupees.....1 for which payment well and truly to be made to the said Employer, the Guarantor binds itself, its successors, and assignees by these presents.

SEALED with the Common Seal of the said Guarantor this day of.....20.....

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified in the bidding documents; or
2. If the Bidder refuses to accept the correction of errors in its Bid; or
3. If the Bidder, having been notified of the acceptance of its Bid by the Employer, during the period of bid validity, fails or refuses to:
 - (a) execute the Form of Contract Agreement; or
 - (b) furnish the Performance Security, in accordance with the Instructions to Bidders

We undertake to pay the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will note that the amount claimed by it is due to it, owing to the occurrence of one or more of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including twenty-eight (28) days after the period of bid validity, and any demand in respect thereof should be received by us no later than the above date.

DATE..... SIGNATURE OF THE GUARANTOR.....

WITNESS..... COMMON SEAL

.....
(Signature, Name, and Address)

The bidder should insert the amount of the guarantee in words and figures.

Section 03
Conditions of Contract

*Conditions of Contract Shall be Read in
Conjunction with Contract Data*

a) GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract applicable to this contract shall be First Edition - September 2003 of Standard Bidding Document of Works - Minor Contracts (ICTAD/SBD/03) in Sri Lanka, published by the Institution of Construction Training And Development (ICTAD), Presently CIDA, Sri Lanka.

This publication (ICTAD/ SBD/ 03) can be purchased at the Institute of Construction Training and Development (ICTAD), Sawsiripaya, 123, Wijerama Mawatha, Colombo 07.

Conditions of Contract Shall be Read in Conjunction with Schedules Section.5

Section 04

Form of Bid and Qualification Information

FORM OF BID

Name of Contract Modernizing of Lecture Halls and Language Laboratory for Faculty of Agriculture, at EUSL, Vantharumoolai.

**To: The Vice Chancellor
Eastern University, Sri Lanka,
Vantharumoolai, Chenkalady.**

Gentlemen,

1. Having examined the Conditions of contract given in the Standard Bidding Document - Procurement of Works - Minor Contracts [ICTAD/SBD/03 - First Edition, September 2003], Schedule, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we/I the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bills of Quantities and Addenda for the sum of Sri Lankan Rupees
.....
.....(LKR.....) (Excluding VAT) or such other sums as may be ascertained in accordance with the said Conditions.
2. We/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this Bid for the period of 63 days from the date of closing of bids or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us/me.
6. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this day of.....20.....in the capacity of
.....duly authorized to sign tenders for and on behalf of
(IN BLOCK CAPITALS)

Signature

Address:

Witness:.....

Qualification Information

| | Eligibility Requirement | Bidder's Qualification | |
|--|--|--|---|
| ICTAD Registration | | To be filled by the Bidder | |
| Registration Number | | | |
| Grade | C8 or above | | |
| Specialty | Building | | |
| Expiry Date | | | |
| | | | |
| VAT Registration No | | | |
| | | | |
| Construction Program | (attached as annex) - To be submitted by the Bidder along with the Bid | | |
| | | | |
| Legal Status | (Public company/Private Company/Partnership/Sole Proprietor) (attach the copies of the legal status) | | |
| | | | |
| Authentication of signatory | (attached as annex) - To be submitted by the Bidder with the Bid.attached copies of power of Attorney for other than Sole Proprietor | | |
| | | | |
| Value of Construction works performed during last 5 years | Eligibility Requirement (Rs) | Bidder's Qualification (To be filled by Bidder) | |
| Year 2021 | | | |
| Year 2020 | | | |
| Year 2019 | | | |
| Year 2018 | | | |
| Year 2017 | | | |
| Average | | | |
| | Eligibility Requirement | Bidder's Qualification (To be filled by Bidder) | |
| Value of similar works completed in last 03 years (indicate only the three largest projects) Note: The bidder should submit evidence for this | | 1. Year..... Amount Rs..... | |
| | | 2. Year..... Amount Rs..... | |
| | | 3. Year..... Amount Rs..... | |
| Major items of construction equipment proposed | Type and capacity (insert requirement) | Required Nos. | Proposed by bidder (Make, Capacity) |
| | 1. Electrical Tools | Item | |
| | 2. Aluminum works tools | Item | |
| | 3. Masonry tools | | |
| Qualification an experience of key staff | Category, experience and qualifications | Required Nos. | Proposed by bidder (name, experience and |

| | (insert requirement) | | qualifications) |
|--|---|----|------------------------|
| | 1. Technical Officer: NCT(Civil) 05 years experience. | 01 | |
| | | | |
| List other information required | | | |

Signature of the Bidder:

Name and Address of the Bidder

Section 5
Schedules

Schedule

| ITB Clause | Conditions of Contract Clause | Item | Data |
|------------|-------------------------------|---|---|
| 1. | 1.1.8 | Employer is: | Name: Vice Chancellor Address: <u>Eastern University,</u> <u>Sri Lanka, Vantharumoolai, Chenkalady.</u> |
| 2. | 1.1.10 | Engineer is: Engineer Representatives: | Name: <u>Works Engineer (DD/Eng)</u> Address: <u>Eastern University,</u> Works Superintendent & Works Supervisor Eastern University. |
| 1.&13 | 1.1.21 | Summary of works Metal works, Painting and Electrical works, masonry works ect | The works consists of : Located at: Palachchlai |
| 1. | 1.1.14 | Intended Completion Date | Intended completion date is 90 Calendar days from the start date. |
| 2. | | Source of fund | The source of fund is <u>GOSL</u> |
| 3. | | Eligibility | The requirement is; * As mentioned in the IFB |
| 12. 13. | | Document of the Bid Price Adjustment | Any other information..... The contract is not subject to price adjustment in accordance with sub clause 10.9 of the Conditions of Contract. |
| 31 | 4.4 | Performance Security | Amount of Performance o Security required is 05% of the Initial Contract price. issued by any commercial bank operating in Sri Lanka approved by the Central Bank of Sri Lanka or Construction Guarantee Fund The form acceptable is as given under Section.2 |
| | 6.4 | Late Completion | The amount to be paid is 0.05 % of |

| | | |
|------|--|---|
| | | Initial Contract price per day, subjected to maximum of 10 %of Initial Contract price. |
| 8.1 | Notification of defects c | The period for Defect is 180 days and contractor should comply this clause. Notification is 180 days from taking over. |
| 10.3 | Retention | The amount of retention is 10 % Of Initial Contract Price. The maximum amount of retention is 5 % of Initial Contract Price. |
| 10.3 | Employer's Payment Guarantee | Insert the following: On production of the Performance Security by the Contractor, the employer shall obtain a payment guarantee from a Bank, up to a 10% of the Initial Contract Price. The Employer shall deliver this guarantee within 28 days of signing the Contract Agreement. In the event, the Engineer has certified the bill of the Contractor and the payment is not paid within the stipulated period of time, the Contractor shall request the Employer to issue a certificate to the Bank, where the payment guarantee has been issued, to pay 75% of the certified bill, after deducting all dues to the employer. The guarantee shall be returned to the employer at the earliest of the following employer. (a) When the final payment is made to the Contractor. (b) When the obligations under the guarantee have been expired or discharged; or (c)When the contractor has performed all obligations under the contract. |
| 10.4 | Optional method For payment of Retention | On reaching the limit of the retention stated in the schedulers under Sub Clause 10.3 the Contractor may substitute full retention money with an |

unconditional guarantee acceptable to the employer to a value equal to the full retention money, and valid up to 28 days beyond the end of defects notification period. On receipt of such guarantee the employer shall repay the full retention money.

13.1 (c) Insurance, third Party Minimum amount for third party insurance 110 % of the initial contract price.

13.1 (d) Insurance for Employer and Contractor's personal Minimum amount for Insurance for Employment and contractor's Personal is Rupees 500,000.00 for each event.

33 1.1.11 Adjudicator The Adjudicator proposed by the employer is As per 14.1 or 14.3

14.1 If the bidder disagrees with the proposal of the Employer or the Adjudicator was not proposed Then the Adjudicator shall be appointed by the Appointing Authority who shall be the Institute Constriction Training Development (ICTAD)

14.2 Hourly rate:.....
Reimbursable cost:.....
(i.e.traveling,subsistence, accommodation etc)

Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared equally by the Contractor and the Employer

Section 06
Specifications

GENERAL SPECIFICATIONS

Tenderers are hereby requested to refer and peruse the SPECIFICATIONS published by the Institute of Construction Training and Development (ICTAD)/CIDA listed hereinafter.

1. Specification for WATER SUPPLY, SEWERAGE AND STORM WATER DRAINAGE WORK - ICTAD Publication No. SCA/3/2 2
2. Specification for BUILDING WORK (Volume I) – ICTAD Publication No. SCA/4 – (Volume I)
3. Specification for BUILDING WORKS - Volume 2-ICTAD Publication No. SCA/4- (Volume II)
4. Specification for ELECTRICAL AND MECHANICAL WORKS Associated with Building and Civil Engineering - ICTAD Publication No. SCA/8 Second Edition (Revised) – August 2000

Any other Standard Specifications approved by the Government.

Note: The above documents should be made available at the Site by the Contractor

BOQ FOR MODERNIZING OF LECTURE HALL AND LANGUAGE LABORATORY, FACULTY OF AGRICULTURE

GRAND SUMMARY

| S.No | DESCRIPTION | | | AMOUNT |
|-------------|---|--|--|---------------|
| 1 | ESTIMATE FOR INSTALATION OF ELECTRICAL AND PLUMBING SYSTEM IN LABORATORY, AT FACULTY OF AGRICULTURE, EUSL | | | |
| 2 | ESTIMATE FOR REFURBISHING OF LANGUAGE LABORATORY WITH INSTALLATION OF ELECTRICAL AND PLUMBING SYSTEM AT FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI. | | | |
| 3 | ESTIMATE FOR ESTABLISHING OF RECORDING ROOM / MULTI MEDIA ROOM AT FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI | | | |
| 4 | ESTIMATE FOR CONSTRUCTING OF AGRI TECHNOLOGY PARK AT FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI | | | |
| | Sub Total | | | |
| | Add: VAT 12% | | | |
| | Grand Total | | | |

| |
|--|
| Signature of the Bidder with seal: |
| Name of the Bidder: |
| Address of the Bidder: |
| Date: |
| Witness of the Signature: Name:..... Signature:..... Name: Signature:..... |

**1. BOQ FOR INSTALATION OF ELECTRICAL AND PLUMBING SYSTEM IN LABORATORYS, AT
FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI.**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-------|------|--------|
| 1.0 | Supplying and fixing pipe line with Preasure pump | Nos | 1.00 | | |
| 2.0 | Supply and fix timer switch | Nos | 3.00 | | |
| 3.0 | Supply and fix 18w LedTube Light 4'-0". - Without wiring (With 2 years Warrenty) supplied and installed in working order (Sample should be approved by Engineer.) | Nos | 12.00 | | |
| 4.0 | Supply and fixing of 3nos 13amp (as single point) socket outlet wire Code (Extention Code) with wiring (including supply of wire & all other material required) of above socket outlet using approved type 2.5mm2 Three Core wire pvc insulated pvc sheathed copper cables earth cable terminated in a terminal wired securely fixed concealed supplied and installed in working order | Nos | 5.00 | | |
| 5.0 | 13amp socket outlet wiring to be carried out with 2 x 2.5mm2 or twin wire pvc insulated pvc sheathed copper cables and 2.5mm2 earth cable terminated in a terminal wired in concealed conduit in wall and slab/ceiling supplied and installed in working order | Nos | 14.00 | | |
| 6.0 | 13amp Double socket outlet wiring to be carried out with 2 x 2.5mm2 or twin wire pvc insulated pvc sheathed copper cables and 2.5mm2 earth cable terminated in a terminal wired in concealed conduit in wall and slab/ceiling supplied and installed in working order | Nos | 49.00 | | |
| 7.0 | Supply and fixing 40A 2pole main Switch/Isolater single Phase for Air Conditanior with 2 x 2.5mm2 or twin wire pvc insulated pvc sheathed copper cables and 2.5mm2 earth cable wiring. Sample should be approved by Engineer. | Nos | 23.00 | | |

**1. BOQ FOR INSTALATION OF ELECTRICAL AND PLUMBING SYSTEM IN LABORATORYS, AT
FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI.**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------------|-------|------|--------|
| 8.0 | Supplying and Fixing of Stainless steel single ball single drain sink (Prime cost Rs.5,000.00 - 6,000.00) with waste plug, 112mm brick wall support and 1:3 cement sand plastering. including PVC swan neck tap arrangements including necessary accessories . (Sample should be approved by Engineer) | Nos | 3.00 | | |
| 9.0 | Supplying and fixing Pipes P.V.C 20mm to supplied & fixed. PNT 14 PE / (Type 1000) for Water supply for kitchen sink | Lm | 10.00 | | |
| 10.0 | Supplying and fixing Pipes P.V.C 50mm supplied & fixed. PNT 9 PE / (Type 600) for Waste Water supply for kitchen sink | Lm | 20.00 | | |
| 11.0 | Supplying and fixing of 100mm Aluminium powder coated (colour shall match with existing door) Door Single hung 5mm thick glazed & panelled (4mm white cladding sheet) at bottom - with necessary butt hinges, locking arrangements and Door closer (Sample and soft drawing should be submitted to approval by enginner before commence the work) | Sqm | 2.00 | | |
| 12.0 | Supplying and fixing of 100 mm Aluminium Partition using approved quality powder coated section bars (colour shall match with existing partition) 5mm thick glass (Clear glass) and 4mm thick double side white colour composit board with necessary accessories & necessary support (Sample and soft drawing should be submitted to approval by enginner before commence the work) | Sqm | 26.00 | | |
| 13.0 | Supplying, Fabricating and Fixing of Saftey Grill using 6mm thick Ampli mesh to windows. (Rate shall including of necessary powder coated "m" channels, 1" pop rivert, Screws,rubber beading etc). (Sample should be approved by Engineer before commence the work) | Sqm | 1.75 | | |
| 14.0 | Suplying and pasting sand blast sticker for aluminium partition | Sqm | 12.50 | | |

**1. BOQ FOR INSTALATION OF ELECTRICAL AND PLUMBING SYSTEM IN LABORATORYS, AT
FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI.**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-------|--|---------------------|
| 15.0 | Supply and Instalation of Security door lock for learning center supplied and installed in working order (Lock Sistem include for Finger print, Pass word and Mechanical Emergency opening Key. (Sample should be approved by Engineer before commence the work) | Item | Allow | P.sum | 100,000.00 |
| 16.0 | Supply and furnish Timber / Glass Rack as per Instructions (Drawing annexed) | Item | Allow | P.sum | 100,000.00 |
| 17.0 | Supply and furnish Table With GI Box bar frame work and 1" thick teak timber plank top with Painting and Varnishing to timber Planks With necessary acceries (4m X 0.6m X 0.75m) | Item | Allow | P.sum | 50,000.00 |
| | | | | Sub Total-01 | |
| | | | | Dtd: P.Sum | (250,000.00) |
| | | | | Sub Total-02 | |
| | | | | Dtd: Discount (if any) | |
| | | | | Sub Total-03 | |
| | | | | Add: P.Sum | 250,000.00 |
| | | | | Sub Total-04 (Carried from Grand Summary) | |

2. BOQ FOR REFURBISHING OF LANGUAGE LABORATORY WITH INSTALLATION OF ELECTRICAL AND PLUMBING SYSTEM AT FACULTY OF AGRICULTURE, EUSL, PALACHCHOLAI.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|-------------------------------------|---|------|-------|------|--------|
| <u>A- ELECTRICAL WORKS</u> | | | | | |
| A-01 | Supply and fixing of 2nos 13amp (as single point) socket outlet with wiring (including supply of earth wire & all other material required) of above socket outlet using approved type 2x2.5mm ² or twin wire pvc insulated pvc sheathed copper cables and 2.5mm ² earth cable terminated in a terminal wired securely fixed concealed PVC 50mmx25mm casing in a ring circuit. | Nos | 30.00 | | |
| A-02 | Supply and fixing of 13amp socket outlet wiring to be carried out with 2x2.5mm ² or twin wire pvc insulated pvc sheathed copper cables and 2.5mm ² earth cable terminated in a terminal wired in concealed conduit/casing in wall and slab/ceiling supplied and installed in working order | Nos | 1.00 | | |
| A-03 | Supply & Installation of following sunk mounted distribution unit to each comprising of (SDB-SF) Metal Box Fully steel Encloser (Approx. size 355mm x 655mm x 115mm) 02 Nos 4P 40Amp Isolater, 03 Nos 2P 40Amp Isolater, 03 Nos 2P 40Amp RCCB, 15 Nos 1P 16Amp Brakers, 03 Nos Indicator Wiring & other installation cost | Nos | 1.00 | | |
| A-04 | Supplying and fixing of 4mm ² Single Core Cu/PVC/PVC Cable (Rate including necessary casing/conduit) | L.m | 60.00 | | |
| A-05 | Supplying and fixing of 2.5mm ² Cu/PVC Earth cable | L.m | 15.00 | | |
| ELECTRICAL WORKS CARRIED TO SUMMARY | | | | | |
| <u>B- PLUMPING WORKS</u> | | | | | |
| B-01 | Supplying and fixing of PVC 25mm Ball valve. | Nos | 1.00 | | |
| B-02 | Supply and laying 25mm PVC pipe (PN _T 11/PN 12.5/1000 gauge) including of all necessary joints, bends, elbow ect... | L.m | 5.00 | | |
| B-03 | Supply and laying 63mm PVC pipe (PN _T 11/PN 12.5/1000 gauge) including of all necessary joints, bends, elbow ect... | L.m | 10.00 | | |
| B-04 | Supplying and fixing of Stainless steel single ball sink to be fixed to columns or GI Hand rail as per the Engineer instruction (Prime cost Rs.4,000.00 -5,000.00) with waste plugh, swan neck tap & brackets (Rate shall including all the necessary fittings and support) | Nos | 1.00 | | |
| PLUMPING WORKS CARRIED TO SUMMARY | | | | | |
| | | | | | |
| | | | | | |

**2. BOQ FOR REFURBISHING OF LANGUAGE LABORATORY WITH INSTALLATION OF ELECTRICAL AND PLUMBING
SYSTEM AT FACULTY OF AGRICULTURE,
EUSL, PALACHCHOLAI.**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|-------------|--------------|------------|------------------|
| | <u>C- PROVISIONAL SUM</u> | | | | |
| C-01 | Supplying and fixing of displaying stickers as per the directed by the client and Any unforeseen works to be attended while construction on going. | Item | Allow | P.S | 50,000.00 |
| | PROVISIONAL SUM CARRIED TO SUMMARY | | | | 50,000.00 |

SUMMARY

| S.No | DESCRIPTION | AMOUNT |
|------|--|--------------------|
| 1 | A- ELECTRICAL WORKS | |
| 2 | B- PLUMPING WORKS | |
| 3 | C- PROVISIONAL SUM | 50,000.00 |
| | Sub Total-01 | |
| | Dtd: P.Sum | (50,000.00) |
| | Sub Total-02 | |
| | Dtd: Discount (if any) | |
| | Sub Total-03 | |
| | Add: P.Sum | 50,000.00 |
| | Sub Total-04 (Carried from Grand Summary) | |

**3. BOQ FOR ESTABLISHING OF RECORDING ROOM/ MULTI MEDIA ROOM AT FACULTY OF
AGRICULTURE, EUSL, PALACHCHOLAI**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|--------|------|--------|
| 1.0 | Supplying and fixing of 25mmx25mm Natural Al. Box Bar (Natural) (Sample should be submit to approval by enginner before commence the work) | L.m | 180.00 | | |
| 2.0 | Supply & fixing of 50x25mm (2"x1") -2.00mm thick GI box bar with anticorrosive paint should be applied for welded area. (Sample should be approved by Engineer) | L.m | 70.00 | | |
| 3.0 | Supply & fixing of 25mm x 25mm (1"x1") -2.00mm thick GI box bar with anticorrosive paint should be applied for welded area. (Sample should be approved by Engineer) | L.m | 40.00 | | |
| 4.0 | Supplying and fixing of 4mm thick white colour composit board (Sample should be submit to approval by enginner before commence the work) | Sq.m | 97.00 | | |
| 5.0 | Supplying and fixing of 76mm Aluminium Partition using approved quality Brownz anodaized section bars and 4mm thick single side white colour composit board using 2 side with necessary accessories. (Sample should be submit to approval by enginner before commence the work) (As per the Drawing No. EUSL/CON/AG/01) | Sq.m | 10.50 | | |
| 6.0 | Supplying and fixing of 50mm thick (48kg/m ³) Glass Wool for ceiling area & exsisting partition area (Rate including for necessary fixing arrangement, Accessories and etc) | Sq.m | 107.00 | | |
| 7.0 | Supplying and fixing of 20oz loop pile wool carpet with necessary edging for neat finishing at Door entrance area (Sample should be submit to approval by engineer before commence the work) | Sq.m | 30.00 | | |
| 8.0 | Supplying and fixing of 9mm thk (8'x4') Gypsum ceiling board to fix with composit board . (Sample should be submit to approval by engineer before commence the work) (composit board paid sepretately) | Sq.m | 107.00 | | |
| 9.0 | Preparing surfaces and apply Wall putty to the Gypsum board area | Sq.m | 107.00 | | |

**3. BOQ FOR ESTABLISHING OF RECORDING ROOM/ MULTI MEDIA ROOM AT FACULTY OF
AGRICULTURE, EUSL, PALACHHOLAI**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|--------|--|---------------------|
| 10.0 | Texture base paint for Internal wall by preparation of surface with application of one primer coat & two coats of approved quality emulsion paint. | Sq.m | 107.00 | | |
| 11.0 | Carefully removing of existing 56" sweep ceiling Fan and handing over to the Client. | Nos | 2.00 | | |
| 12.0 | Carefully removing & refixing of existing Ceiling mounted 24W Bulb (wiring and fixtures already done. Those have to be removed and refixed in position after erecting of ceiling as directed by Engineer) | Nos | 6.00 | | |
| 13.0 | Carefully removing & Refixing of existing 13Amp socket outlet (wiring and fixtures already done. Those have to be removed and refixed in position after erecting of partition as directed by Engineer) | Nos | 4.00 | | |
| 14.0 | Carefully removing & Refixing of existing AC outlet (wiring and fixtures already done. Those have to be removed and refixed in position after erecting of partition as directed by Engineer) | Nos | 1.00 | | |
| 15.0 | Supplying & fixing of General LED lights for studio, LED video light for studio, Regular light stand, Tripod with pan & Tilt fluid head and Any unforeseen works and removing of existing ceiling sheet, removing and refixing of Gang switches, Internet/ Telephone cable ports & Regulators in position | Item | Allow | Pro.Sum | 250,000.00 |
| | | | | Sub Total-01 | |
| | | | | Dtd: P.Sum | (250,000.00) |
| | | | | Sub Total-02 | |
| | | | | Dtd: Discount (if any) | |
| | | | | Sub Total-03 | |
| | | | | Add: P.Sum | 250,000.00 |
| | | | | Sub Total-04 (Carried from Grand Summary) | |

**4. BOQ FOR CONSTRUCTING OF AGRI TECHNOLOGY PARK AT FACULTY OF AGRICULTURE, EUSL,
PALACHCHOLAI**

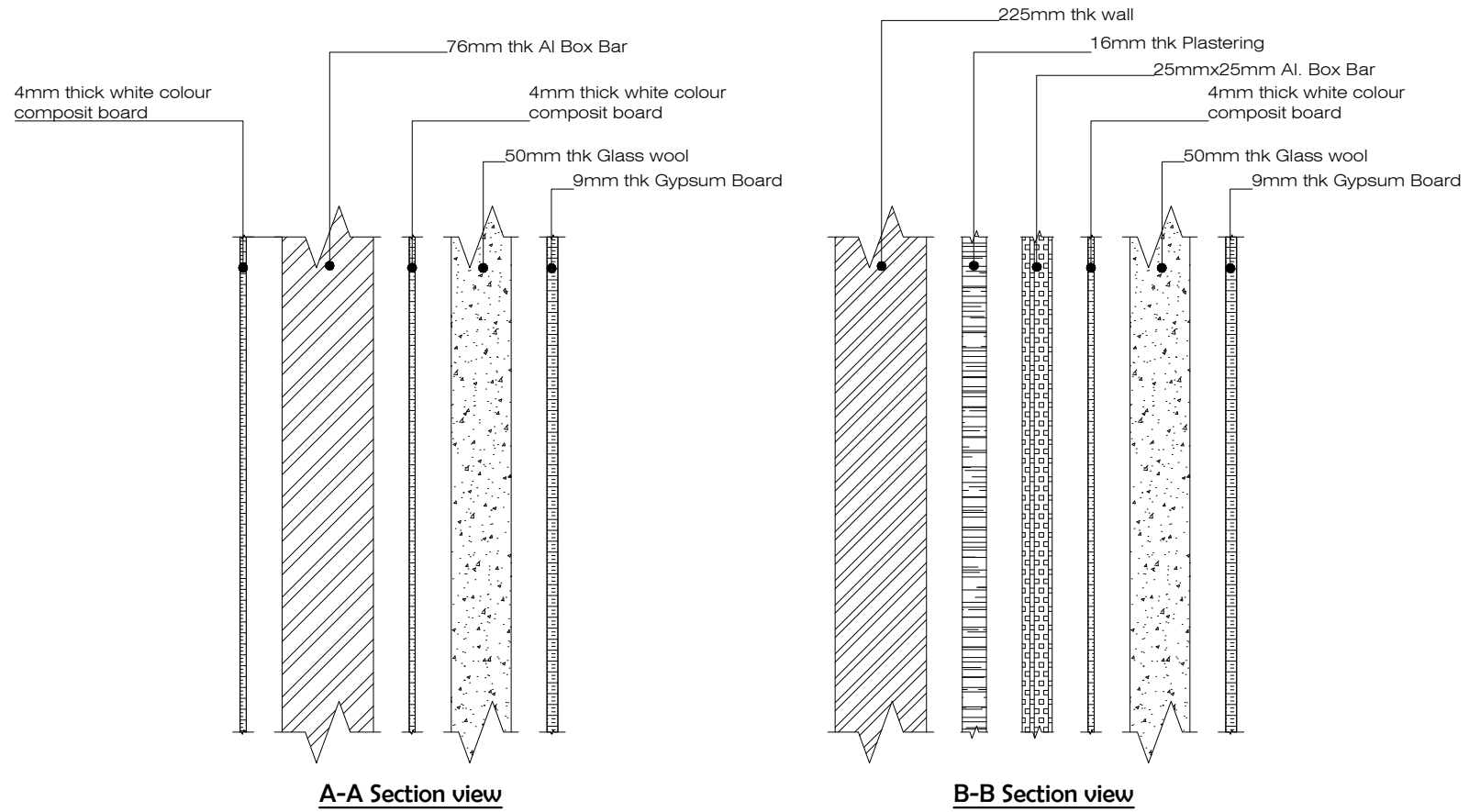
| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|-------|--|----------------------|--------------|------------|--------|
| | <u>A- PRILIMINARIES</u> | | | | |
| A-01 | Allow sum for clearing and levelling site | Item | Allow | Sum | |
| | PRILIMINARIES CARRIED TO SUMMARY. | | | | |
| | <u>B- EXCAVATOR</u> | | | | |
| B-01 | Excavation in trenches for walls / column pits in soft / loose soil from 0.0m to 1.5m deep and depositing excavated material to a distance not exceeding 10.0m (Earth work support to be paid separately where necessary). | m³ | 4.00 | | |
| B- 02 | Filling under floors including levelling, watering and compacting in 75mm layers with imported selected gravel. | m³ | 10.00 | | |
| | EXCAVATOR WORKS CARRIED TO SUMMARY. | | | | |
| | <u>C- CONCRETOR</u> | | | | |
| C-01 | 3" thick screed concrete 1:3:6(11/2") for walls & pillar | m³ | 1.75 | | |
| C-02 | Cement concrete 1:2:4 (3/4") footing & stifner column | m³ | 0.50 | | |
| | CONCRETOR WORKS CARRIED TO SUMMARY. | | | | |
| | <u>D- MASON</u> | | | | |
| D-01 | R.R. masonry in Foundation in cement mortar 1:5 up to D.P.C | m³ | 5.50 | | |
| D-02 | Steps, 342mm wide and 150mm to 225mm high brick work in cement mortar 1:5, rendered 12mm thick 1:2 cement and sand with necessary excavation and foundation 150mm below ground. | L.m | 2.50 | | |
| | MASON WORKS CARRIED TO SUMMARY. | | | | |
| | <u>E- PLASTERER</u> | | | | |
| E-01 | 20mm thick Plinth plaster in cement mortar 1:3, finished smooth with red cement floating | m² | 11.00 | | |
| E-02 | 12mm thk floor rendering in 1:3 cement and sand with neat floating. | m² | 18.00 | | |
| | PLASTERER WORKS CARRIED TO SUMMARY. | | | | |
| | <u>F- STRUCTURAL STEEL WORK</u> | | | | |
| F-01 | Supplying and erecting 50mm dia Heavy Duty GI pipe (2.3mm thick) as upright column and apply 2 coat anticorrosive paint & 2 coat enamel paint. (maximum effective length 4m) | L.m | 18.00 | | |

**4. BOQ FOR CONSTRUCTING OF AGRI TECHNOLOGY PARK AT FACULTY OF AGRICULTURE, EUSL,
PALACHCHOLAI**

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|----------------|-------|---------|-------------------|
| F-02 | Fabricating & Fixing Steel web Truss , outer frame 2/50 x 50 x 6mm & internal member 1/50 x 50 x 6mm, and 1/50x50x6mm with 6mm gusset plates to welded & height of web truss is 450mm and two coats of anticrossive paint.rate include for scaffolding as per plan in the drawing (Type -05) Span less than 8m consist of top chord, bottom chord & bracings. Including all , gusset plates , cleats , rivets , nuts, washers, rag bolts, separators etc.. | Nos | 2.00 | | |
| F-03 | Supply & fixing of 50mmx50mm 2mm thick GI box bar with 2 coat anticorrosive paint & 2 coat enamel paint. | L.m | 40.00 | | |
| | STRUCTURAL STEEL WORK WORKS CARRIED TO SUMMARY. | | | | |
| | <u>G- ROOFER</u> | | | | |
| G-01 | Gable Roof, Supplying and fixing 0.47mm thick Zinc Aluminium and Alloy Colour coated roofing sheets with mesh 25mmx25mm, 8mm double side Aluminium foil reberded to 50mmx50mm (2mm thick) GI Box Bar with necessary Accessories. (50mmx50mm GI Box Bar paid sepretately) | m ² | 40.00 | | |
| | ROOFER WORKS CARRIED TO SUMMARY. | | | | |
| | <u>H- PROVISIONAL SUM</u> | | | | |
| H-01 | Allow for provisional sum for any unforeseen works in Construction Period | Item | Allow | Pro.Sum | 100,000.00 |
| | MISSELANIOUS CARRIED TO SUMMARY. | | | | 100,000.00 |

SUMMARY

| ITEM | DESCRIPTION | AMOUNT |
|------|--|---------------------|
| 1 | A- PRILIMINARIES | |
| 2 | B- EXCAVATOR | |
| 3 | C- CONCRETOR | |
| 4 | D- MASON | |
| 5 | E- PLASTERER | |
| 6 | F- STRUCTURAL STEEL WORK | |
| 7 | G- ROOFER | |
| 8 | H- PROVISIONAL SUM | 100,000.00 |
| | Sub Total-01 | |
| | Dtd: P.Sum | (100,000.00) |
| | Sub Total-02 | |
| | Dtd: Discount (if any) | |
| | Sub Total-03 | |
| | Add: P.Sum | 100,000.00 |
| | Sub Total-04 (Carried from Grand Summary) | |



76mm Al. Box bar cross section view

225mm thk wall cross section view

Setting up Multimedia room for Agriculture Faculty at Palachholai, EUSL

Sketch for section view

Design by :-

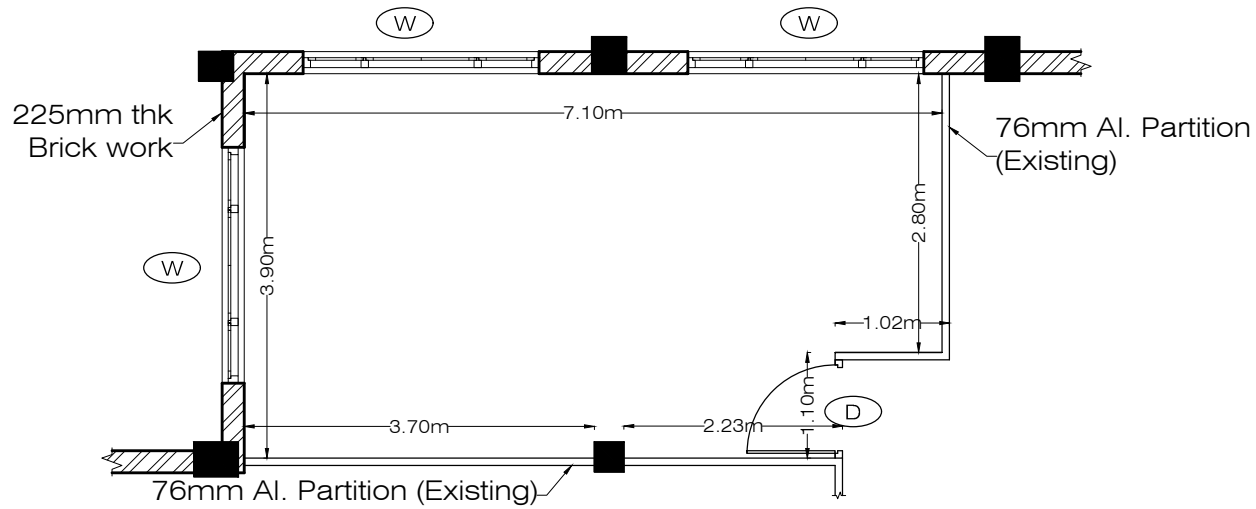
Drawn by :-

Recommended by:-

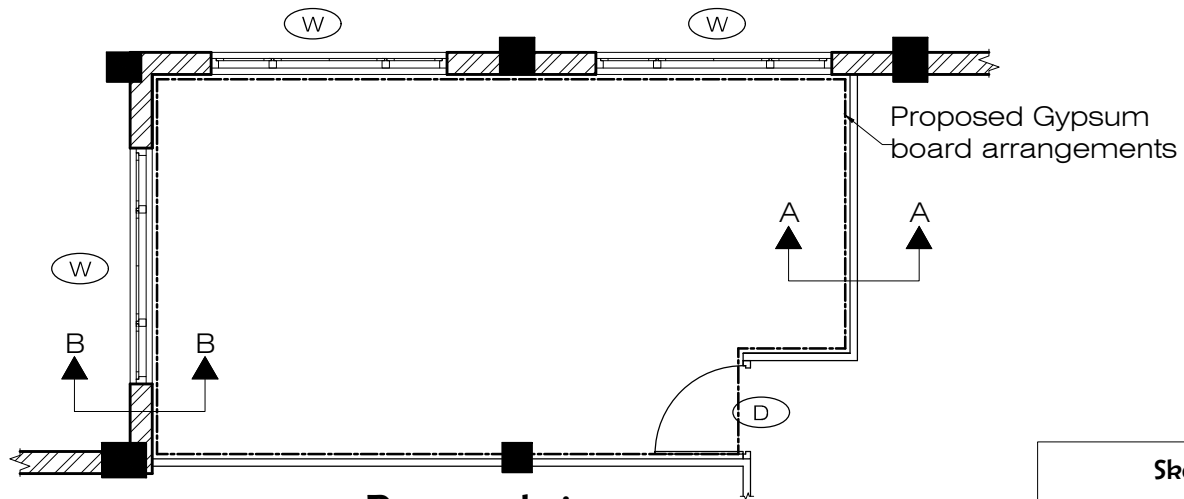
Date

EUSL/CON/MR/20/01

W- 76mm Al. Window (1.20m x 1.70m)
 D- 100mm Al. Door (1.00m x 2.10m)



Existing view



Proposed view

Sketch for section view

Design by :-

Drawn by :-

Recommended by:-

Date

EUSL/CON/MR/20/02

**Setting up Multimedia room for Agriculture
 Faculty at Palachchola, EUSL**