



Eastern University, Sri Lanka

Invitation for Bids (IFB) Accelerating Higher Education Expansion and Development Operation (AHEAD)

The Chairman, Project Procurement Committee, on behalf of the OTS, AHEAD Operations, Eastern University, Sri Lanka will receive sealed bids from interested eligible and qualified bidders from for the work mentioned in the table given below and receiving will be closed at 2.00 pm on 30.06.2022.

1. Bidding will be conducted through National Shopping Method (single stage single envelopes system). Since the total Cost Estimate of this Procurement is below Rs. 10.0 Mn, the services are to be carried out urgently.
2. To be eligible for contract award the successful bidder shall passes CIDA registration of Grade mentioned as in table below and possess Civil Construction Contractor register under EUSL, Vantharumoolai or registered under Eastern Provincial Council as a registered Contractor or should have the registration under District Secretariat, Batticaloa as a Civil Construction Contractor. The maximum registration value is below 10.0 Mn. Qualification requirements to qualify for contract award are indicated in section 4 of the bidding document.
3. Bid shall be valid up to 63 calendar days from the date of closing of bids.
4. Bid must be accompanied by bid security as mentioned in the table below issued by any commercial bank operating in Sri Lanka approved by the Central Bank of Sri Lanka.
5. Sealed Bids shall be delivered to the address given below on or before 30.06.2022 at 2.00 pm. 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

Bids will be opened immediately after the closing time at the above address.

6. Bidders or their authorized representatives are requested to be present at the opening of Bids.
7. Form of performance security, form of agreement, form of retention money guarantee, form of advance payment security, form of bid security, general condition of contract and contract data for this procurement will be uploaded in our website for your references (www.esn.ac.lk). If any changes with regard to this procurement also will be updated in the above-mentioned website.

8. Interested bidders may obtain further information from the Deputy Director-Engineer, Eng. K. Chandramohan, AHEAD Project, EUSL (Telephone No:026-2222630, 0652059393, Fax No: 026-2222005, e-mail: buildings@ep.gov.lk).
9. Pre-bid meeting with bidders will be held on 24/06/2022 at 10.00 am at Faculty of Agriculture, Palachoolai, EUSL.
10. Procurement Committee's decision is the final in awarding contract.

Name of Work	Required CIDA Grade & Speciality	Total Cost Estimate (Rs)	Construction Cost Excluding VAT (Rs.)	Contract Period	Bid Validity Period	Bid Security	
						Amount (Rs)	Validity
1. Expansion of Azola Production Ponds in Faculty of Agriculture, EUSL	C9 or above (Buildings)	273,000.00	202,660.68	One Month	49 Days	2,100.00	77 Days from bid opening
2. Supplying, Installation and Handing Over of Net House with Hydroponics and Mist Propagator System at the University Farm, Faculty of Agriculture, EUSL	C7 or above (Buildings)	6,990,000.00	5,180,579.00	02 Months	63 Days	51,900.00	91 Days from bid opening
3. Plumbing works at Farm Premises (Crop and Animal) in Faculty of Agriculture, EUSL	C8 or above (Buildings)	4,140,000.00	3,090,454.00	02 Months	63 Days	31,000.00	91 Days from bid opening
4. Construction to (10,000 L) Over Head Water Tank with Pump House in Faculty of Agriculture, EUSL	C8 or above (Buildings)	6,700,000.00	4,961,759.90	03 Months	63 Days	49,700.00	91 Days from bid opening

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

To:
Vice Chancellor,
EUSL,
Vantharumoolai

FORM OF BID

Bid for: Expansion of Azola Production Ponds in Faculty of Agriculture, EUSL

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03 –Second Edition, January 2007), 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 defects therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR) 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 stated in the Sub-Clause 15 of Instructions to Bidders 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 / I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this day of 202.... in the capacity of duly authorised to sign tenders for and on behalf of

(IN BLOCK CAPITALS)

Signature:

Address:

Witness:

QUALIFICATION INFORMATION

(to be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification	
ICTAD Registration			
Registration Number			
Grade	<i>C9 or above</i>		
Specialty	-		
Expiry Date	Valid ICTAD registration		
Black listed contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes / No	
If yes provide details.			
VAT Registration Number			
Construction Program	<i>(attach as annex)</i>		
Legal Status	<i>(Public Company/Private Company/Partnership/Sole Proprietor)</i>		
Qualification and experience of key staff	Eligibility Requirement		Bidder's Qualification
	Category, Experience and Qualifications	Required Nos	
	1. Site Supervisor With one Year Experience	01	
List other information required			

Signature of the Bidder:

To:
Vice Chancellor,
EUSL,
Vantharumoolai

FORM OF BID

Bid for : Supplying, Installation and Handing Over of Net House with Hydroponics and Mist Propagator System at the University Farm, Faculty of Agriculture, EUSL

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03 –Second Edition, January 2007), 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 defects therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR) 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 stated in the Sub-Clause 15 of Instructions to Bidders 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 / I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this day of 202.... in the capacity of duly authorised to sign tenders for and on behalf of

(IN BLOCK CAPITALS)

Signature:

Address:

Witness:

QUALIFICATION INFORMATION

(to be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification	
ICTAD Registration			
Registration Number			
Grade	C7 or above		
Speciality	-		
Expiry Date	Valid ICTAD registration		
Black listed contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes / No	
If yes provide details.			
VAT Registration Number			
Construction Program	<i>(attach as annex)</i>		
Legal Status	<i>(Public Company/Private Company/Partnership/Sole Proprietor)</i>		
Qualification and experience of key staff	Eligibility Requirement		Bidder's Qualification
	Category, Experience and Qualifications	Required Nos	
	7. Site Supervisor With one Year Experience	01	
List other information required			

Signature of the Bidder:

To:
Vice Chancellor,
EUSL,
Vantharumoolai

FORM OF BID

Bid for : **Plumbing works at Farm Premises (Crop and Animal) in Faculty of Agriculture, EUSL**

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03 –Second Edition, January 2007), 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 defects therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR) 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 stated in the Sub-Clause 15 of Instructions to Bidders 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 / I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this day of 202.... in the capacity of duly authorised to sign tenders for and on behalf of

(IN BLOCK CAPITALS)

Signature:

Address:

Witness:

QUALIFICATION INFORMATION

(to be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification	
ICTAD Registration			
Registration Number			
Grade	C8 or above		
Speciality	-		
Expiry Date	Valid ICTAD registration		
Black listed contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes / No	
If yes provide details.			
VAT Registration Number			
Construction Program	<i>(attach as annex)</i>		
Legal Status	<i>(Public Company/Private Company/Partnership/Sole Proprietor)</i>		
Qualification and experience of key staff	Eligibility Requirement		Bidder's Qualification
	Category, Experience and Qualifications	Required Nos	
	7. Site Supervisor With one Year Experience	01	
List other information required			

Signature of the Bidder:

To:
Vice Chancellor,
EUSL,
Vantharumoolai

FORM OF BID

**Bid for : Construction to (10,000 L) Over Head Water Tank with Pump House in Faculty of
Agriculture,EUSL**

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03 –Second Edition, January 2007), 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 defects therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees (LKR) 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 stated in the Sub-Clause 15 of Instructions to Bidders 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 / I understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this day of 202.... in the capacity of duly authorised to sign tenders
for and on behalf of

(IN BLOCK CAPITALS)

Signature:

Address:

Witness:

QUALIFICATION INFORMATION

(to be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification
ICTAD Registration		
Registration Number		
Grade	<i>C8 or above</i>	
Speciality	-	
Expiry Date	Valid ICTAD registration	
Black listed contractors		
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes / No
If yes provide details.		
VAT Registration Number		
Construction Program	<i>(attach as annex)</i>	
Legal Status	<i>(Public Company/Private Company/Partnership/Sole Proprietor)</i>	
Qualification and experience of key staff	Eligibility Requirement	Bidder's Qualification
	Category, Experience and Qualifications	Required Nos
	7. Site Supervisor With one Year Experience	01
List other information required		

Signature of the Bidder:

Section 01

Instructions 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]

To: [date]
..... [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

COMMON SEAL

.....

Authorized signature of Employer

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 number 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 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 Standardized 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

QUALIFICATION INFORMATION

(to be completed by the bidder and submitted with the Bid)

	Eligibility Requirement	Bidder's Qualification	
ICTAD Registration			
Registration Number			
Grade	<i>C8 or above</i>		
Speciality	-		
Expiry Date	Valid ICTAD registration		
Black listed contractors			
Have you been declared as a defaulted contractor by NPA or any other Agency?		Yes / No	
If yes provide details.			
VAT Registration Number			
Construction Program	<i>(attach as annex)</i>		
Legal Status	<i>(Public Company/Private Company/Partnership/Sole Proprietor)</i>		
Qualification and experience of key staff	Eligibility Requirement		Bidder's Qualification
	Category, Experience and Qualifications	Required Nos	
	2. Site Supervisor With one Year Experience	01	
List other information required			

Signature of the Bidder:

Section 5

Schedules

Schedule

Instructions to Bidders

Clause Reference

(1.1) The Employer is
Name: **Prof. V. Kanagasingam**
Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

The Works consists of **Expansion of Azola Production Ponds in Faculty of Agriculture , EUSL**

Located at **Palacholai, Faculty of Agriculture, EUSL.**

(1.2) Intended Completion Date is **One Month** from the Start Date.

(2.1) The source of fund is **AHEAD Project**

(2.2) The registration required
Speciality **CIDA registration book holders (Building Construction)** / In addition with Registration under EUSL, Vantharumoolai as a Civil Construction Contractor or Registration under Eastern Provincial Council as a Civil Construction Contractor or Registration under District Secretariat , Batticaloa as a Civil Construction Contractor upto a limit of **Rs. 10.0 Mn**
Grade: **C9 or above**

(4.3) The following information shall be provided in Section 4:

* **CIDA Registration**

Registration number

Grade

Specialty

Expiry date

* VAT Registration number

* Construction Program

* Legal Status (Sole proprietor, Partnership, Company, etc.)

* Authentication for signatory

* Total monetary value of construction work performed for each of the last five years;

* Experience in works of a similar nature and size for each of the last ten years;

* Major items of construction equipment proposed to carry out the Contract;

* Qualifications and experience of key Site Management and Technical Personnel

proposed for the Contract.

* Any other

(4.4)

* Experience in the construction of at least one contract of a nature and complexity Equivalent to the Works over the last 5 years (to comply with this requirement, works cited should be at least 70 percent completed) ; Rs. **607, 980.00**

* Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data clause 4.1;

* Following Technical and Managerial Staff:

(a) Technical
Work Supervisor

(9.1) * Employer's / Engineer's address for the purpose of clarification is:

Name: Prof. V. Kanagasigam

Address: Vice Chancellor, EUSL, Vantharumoolai, Batticaloa

Tel.No: 026-2222630 Fax: 026-2222005

Name: Eng.K.Chandramohan,

Address: Deputy Director Engineer, AHEAD Project, EUSL

Tel.No: 026-2222630 Fax: 026-2222005

(11.1) The language of the bidding documents shall be **English**

(12.0) Any other: **Nil**

(13.3) VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the Bid Price Summary

(13.4) The Contract is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

(14.1) Bidders are **not allowed to bid in foreign currencies.**

(15.1) The Bid shall be valid up to **63 Days from the bid opening.**

(16.2) The amount of Bid Security shall be in Sri Lankan Rupees **2,100.00**

The Bid security is only from any bank approval by Central Bank of Sri Lanka or Construction Greentree Fund

The Bid Security shall be valid up to **77 days from 29.06.2022.**

(17.0) Pre-Bid meeting – venue: Faculty of Agriculture, **EUSL, Vantharumoolai, Batticaloa.**

Date: **27.06.2022**

Time: **10.00 am**

(19.2) a The Employer's address for the purpose of Bid submission is
EUSL, Vantharumoolai, Batticaloa.

(19.2) b Contract name: **Expansion of Azola Production Ponds in Faculty of Agriculture,
EUSL**

Contract no: EUSL/OTS/AHEAD/R2/NS/AGI/22/10/I

(20.1) The deadline for submission of Bids shall be **30.06.2022 before 2.00 pm**

(28.1) For Evaluation and comparison of Bids under Sub – Clause 29.2, rates and prices quoted in foreign currencies by the bidders.

(34.0) *The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee or a Performance Bond from a reputed Insurance Company operating in Sri Lanka and accepted by the Treasury for issue of Guarantees or from any other organisation approved by the Treasury for this purpose.*

The amount of Performance Security is **5%** of the Initial Contract Price.

(36.0) The Adjudicator proposed by the Employer is in the CIDA approved list of Adjudicators. *Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.*

Name of Adjudicator one of the CIDA approved Adjudicator

Signature of bidder:

CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract.)

(1.1)

The Employer is

Name: : **Prof. V. Kanagasingam**

Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

Name of Authorised Representative: **Works Engineer, EUSL , Vantharumoolai, Batticaloa**

(1.1)

The Engineer is

Name: **Eng.K.Chandramohan, Deputy Director Engineer**

Address: AHEAD Project, EUSL

Name of Engineer's Representative: **Eng.S.Vinoraaj, Executive Engineer, Department of Buildings, Batticaloa**

The Works consists of **Expansion of Azola Production Ponds in Faculty of Agriculture , EUSL**

The site is located at **Vantharumoolai in Batticaloa**

(1.1)

The Start Date shall be **One Month** from the issue of the Letter of Acceptance.

(2.3)

The following documents form part of the Contract:

- 1) Letter of Acceptance
- 2) Contract Agreement
- 3) Memorandum of Understanding (if any)
- 4) Conditions of Contract
- 5) Schedule
- 6) Contractor's Evaluated Bid – Accepted BOQ
- 7) Specifications
- 8) Drawings
- 9) Bill of Quantities

(3.1)

The language of the Contract is **English**

(8.1)

Schedule of other Contractors:

Name
Nil

Period

- (9.1) Schedule of Key Personnel:
- Minimum persons with qualifications and experience to be defined, (Head office and site staff)
- (b) Technical
Work Supervisor
- (c) Managerial

- (13.1) The minimum insurance covers shall be:
- (a)
- The maximum deductible for insurance of the Works and of Plant and Materials is **Contract Sum**
 - The minimum cover for insurance of the Works and of Plant and Materials is **Contract Sum**
- (b)
- The maximum deductible for insurance of Equipment is **Value of Equipments**
 - The minimum cover for loss or damage to Equipment is **Full Value**
- ©
- The minimum cover for insurance of other property (other than the site) is **Value of damaged**
- (13.2)
- (a) The minimum cover for personal injury or death,
- for the Contractor's workmen is **Rupees 15,000.00** per event
 - Contractor's employees other than workmen is **Rupees 10,000.00** per event
- (17.1) The Intended Completion Date for the whole of Works shall be **365 days (12 Months)** from the Start Date
- (21.1) The Site Possession Date shall be **14 Days** from Letter of Acceptance
- (27.1) The Contractor shall submit a revised Program for the Works within **07** Days of delivery of the Letter of Acceptance
- (27.3) The period between Program update is Two months
- The amount to be withheld for late submission of a Programme is 15,000/= Rupees
- (35.1) The Defects Liability Period is **365 Days**.
- (39.2) Engineer may order variations up to a total cumulative value of not exceeding Rupees one percentage of the contract sum.
- (44.1) The following events shall also be Compensation Events:
1. **Not Applicable**
 2. **Not Applicable**
- (46.1) The Exchange rate used for calculating the amounts to be paid in currencies other than Sri Lankan Rupees **Not Applicable**

- 47.1)

The Contract **Price is subjected** to price adjustment.

If Applicable, In case of sudden price increase of construction material during the Initial contract period will be considered.
- (48.1)

The retention from each payment shall be **10%** percent of the certified work done.

The limit of retention shall be **5%** percent of the Initial Contract Price.
- (49.1)

The liquidated damages for the whole of the Works shall be **1/4000** per Day.
- (50.1)

The maximum amount of liquidated damages for the whole of the Works shall be **5%** percent of the Initial Contract Price.
- (52.1)

The Performance Security shall be **5%** percent of the Initial Contract Price.
- (58.1)

Schedule of operating and maintenance manuals,
- (60.1)

The percentage to apply to the value of the work not competed, representing the employer’s additional cost for completing the works, is Nil
- 10.12

Advance

Applicable

Payment

If applicable, upon the payment of the advance payment in full the Employer shall return the original of the Advance Payment Guarantee to the contractor

BIDDING DATA

Instructions to Bidders

Clause Reference

(1.2) The Employer is
Name: **Prof. V. Kanagasingam**
Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

The Works consists of **Supplying, Installation and Handing Over of Net House with Hydroponics and Mist Propagator System at the University Farm, Faculty of Agriculture, EUSL**

Located at **Palacholai, Faculty of Agriculture, EUSL.**

(1.2) Intended Completion Date is **Two Months** from the Start Date.

(2.3) The source of fund is **AHEAD Project**

(2.4) The registration required
Speciality **CIDA registration book holders (Building Construction)** / In addition with Registration under EUSL, Vantharumoolai as a Civil Construction Contractor or Registration under Eastern Provincial Council as a Civil Construction Contractor or Registration under District Secretariat , Batticaloa as a Civil Construction Contractor upto a limit of **Rs. 10.0 Mn**
Grade: **C7 or above**

(4.3) The following information shall be provided in Section 4:

*** CIDA Registration**

Registration number
Grade
Specialty
Expiry date

* VAT Registration number

* Construction Program

* Legal Status (Sole proprietor, Partnership, Company, etc.)

* Authentication for signatory

* Total monetary value of construction work performed for each of the last five years;

* Experience in works of a similar nature and size for each of the last ten years;

* Major items of construction equipment proposed to carry out the Contract;

* Qualifications and experience of key Site Management and Technical Personnel

proposed for the Contract.

* Any other

(4.4)

* Experience in the construction of at least one contract of a nature and complexity Equivalent to the Works over the last 5 years (to comply with this requirement, works cited should be at least 70 percent completed) ; Rs. **15,541,737.00**

* Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data clause 4.1;

* Following Technical and Managerial Staff:

(d) Technical
Work Supervisor

(9.1)

* Employer's / Engineer's address for the purpose of clarification is:

Name: Prof. V. Kanagasingam
Address: Vice Chancellor, EUSL, Vantharumoolai, Batticaloa
Tel.No: 026-2222630 Fax: 026-2222005

Name: Eng.K.Chandramohan,
Address: Deputy Director Engineer, AHEAD Project, EUSL
Tel.No: 026-2222630 Fax: 026-2222005

(11.1)

The language of the bidding documents shall be **English**

(12.0)

Any other: **Nil**

(13.5)

VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the Bid Price Summary

(13.6)

The Contract is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

(14.2)

Bidders are **not allowed to bid in foreign currencies.**

(15.1)

The Bid shall be valid up to **63 Days from the bid opening.**

(16.2)

The amount of Bid Security shall be in Sri Lankan Rupees **51,900.00**

The Bid security is only from any bank approval by Central Bank of Sri Lanka or Construction Greentree Fund

The Bid Security shall be valid up to **91 days from 29.06.2022.**

(17.0)

Pre-Bid meeting – venue: Faculty of Agriculture, **EUSL, Vantharumoolai, Batticaloa.**

Date: **27.06.2022**

Time: **10.00 am**

(19.2) a The Employer's address for the purpose of Bid submission is
EUSL, Vantharumoolai, Batticaloa.

(19.2) b Contract name: **Supplying, Installation and Handing Over of Net House
with Hydroponics and Mist Propagator System at the
University Farm, Faculty of Agriculture, EUSL**

Contract no: EUSL/OTS/AHEAD/R2/NS/AGI/22/10/II

(20.1) The deadline for submission of Bids shall be **30.06.2022 before 2.00 pm**

(28.2) For Evaluation and comparison of Bids under Sub – Clause 29.2, rates and prices quoted in foreign currencies by the bidders.

(35.0) *The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee or a Performance Bond from a reputed Insurance Company operating in Sri Lanka and accepted by the Treasury for issue of Guarantees or from any other organisation approved by the Treasury for this purpose.*

The amount of Performance Security is **5%** of the Initial Contract Price.

(36.0) The Adjudicator proposed by the Employer is in the CIDA approved list of Adjudicators. *Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.*

Name of Adjudicator one of the CIDA approved Adjudicator

Signature of bidder:

CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract.)

(1.2)

The Employer is

Name: : **Prof. V. Kanagasingam**

Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

Name of Authorised Representative: **Works Engineer, EUSL , Vantharumoolai, Batticaloa**

(1.1)

The Engineer is

Name: **Eng.K.Chandramohan, Deputy Director Engineer**

Address: **AHEAD Project, EUSL**

Name of Engineer's Representative: **Eng.S.Vinoraaj, Executive Engineer, Department of Buildings, Batticaloa**

The Works consists of **Supplying, Installation and Handing Over of Net House with Hydroponics and Mist Propagator System at the University Farm, Faculty of Agriculture, EUSL**

The site is located at **Vantharumoolai in Batticaloa**

(1.2)

The Start Date shall be **Two Months** from the issue of the Letter of Acceptance.

(2.3)

The following documents form part of the Contract:

- 1) Letter of Acceptance
- 2) Contract Agreement
- 3) Memorandum of Understanding (if any)
- 4) Conditions of Contract
- 5) Schedule
- 6) Contractor's Evaluated Bid – Accepted BOQ
- 7) Specifications
- 8) Drawings
- 9) Bill of Quantities

(3.2)

The language of the Contract is **English**

(8.1)

Schedule of other Contractors:

Name
Nil

Period

(9.1) Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined, (Head office and site staff)

(e) Technical
Work Supervisor

(f) Managerial

(13.1) The minimum insurance covers shall be:

(a)

- The maximum deductible for insurance of the Works and of Plant and Materials is **Contract Sum**
- The minimum cover for insurance of the Works and of Plant and Materials is **Contract Sum**

(b)

- The maximum deductible for insurance of Equipment is **Value of Equipments**
- The minimum cover for loss or damage to Equipment is **Full Value**

©

- The minimum cover for insurance of other property (other than the site) is **Value of damaged**

(13.3)

(a) The minimum cover for personal injury or death,

- for the Contractor's workmen is **Rupees 15,000.00** per event
- Contractor's employees other than workmen is **Rupees 10,000.00** per event

(17.1) The Intended Completion Date for the whole of Works shall be **365 days (12 Months)** from the Start Date

(21.1) The Site Possession Date shall be **14 Days** from Letter of Acceptance

(27.1) The Contractor shall submit a revised Program for the Works within **07** Days of delivery of the Letter of Acceptance

(27.3) The period between Program update is Two months

The amount to be withheld for late submission of a Programme is Rupees 15,000/=

(35.1) The Defects Liability Period is **365 Days**.

(39.2) Engineer may order variations up to a total cumulative value of not exceeding Rupees one percentage of the contract sum.

(44.2) The following events shall also be Compensation Events:

3. Not Applicable

4. Not Applicable

(46.1) The Exchange rate used for calculating the amounts to be paid in currencies other than Sri Lankan Rupees **Not Applicable**

47.1) The Contract **Price is subjected** to price adjustment.

If Applicable, In case of sudden price increase of construction material during the Initial contract period will be considered.

(48.1) The retention from each payment shall be **10%** percent of the certified work done.

The limit of retention shall be **5%** percent of the Initial Contract Price.

(49.2) The liquidated damages for the whole of the Works shall be **1/4000** per Day.

(50.2) The maximum amount of liquidated damages for the whole of the Works shall be **5%** percent of the Initial Contract Price.

(52.2) The Performance Security shall be **5%** percent of the Initial Contract Price.

(58.2) Schedule of operating and maintenance manuals,

(60.1) The percentage to apply to the value of the work not competed, representing the employer's additional cost for completing the works, is Nil

10.12 Advance Applicable

Payment If applicable, upon the payment of the advance payment in full the Employer shall return the original of the Advance Payment Guarantee to the contractor

BIDDING DATA

Instructions to Bidders

Clause Reference

(1.3)

The Employer is

Name: **Prof. V. Kanagasingam**

Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

The Works consists of **Plumbing works at Farm Premises (Crop and Animal) in Faculty of Agriculture, EUSL**

Located at **Palacholai, Faculty of Agriculture, EUSL.**

(1.2)

Intended Completion Date is **Two Months** from the Start Date.

(2.5)

The source of fund is **AHEAD Project**

(2.6)

The registration required

Speciality **CIDA registration book holders (Building Construction)** / In addition with Registration under EUSL, Vantharumoolai as a Civil Construction Contractor or Registration under Eastern Provincial Council as a Civil Construction Contractor or Registration under District Secretariat , Batticaloa as a Civil Construction Contractor upto a limit of **Rs. 10.0 Mn**
Grade: *C8 or above*

(4.3)

The following information shall be provided in Section 4:

*** CIDA Registration**

Registration number

Grade

Specialty

Expiry date

* VAT Registration number

* Construction Program

* Legal Status (Sole proprietor, Partnership, Company, etc.)

* Authentication for signatory

* Total monetary value of construction work performed for each of the last five years;

* Experience in works of a similar nature and size for each of the last ten years;

* Major items of construction equipment proposed to carry out the Contract;

* Qualifications and experience of key Site Management and Technical Personnel

proposed for the Contract.

* Any other

(4.4)

* Experience in the construction of at least one contract of a nature and complexity Equivalent to the Works over the last 5 years (to comply with this requirement, works cited should be at least 70 percent completed) ; Rs. **9, 271,362.00**

* Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data clause 4.1;

* Following Technical and Managerial Staff:

(g) Technical
Work Supervisor

(9.1)

* Employer's / Engineer's address for the purpose of clarification is:

Name: Prof. V. Kanagasingam
Address: Vice Chancellor, EUSL, Vantharumoolai, Batticaloa
Tel.No: 026-2222630 Fax: 026-2222005

Name: Eng.K.Chandramohan,
Address: Deputy Director Engineer, AHEAD Project, EUSL
Tel.No: 026-2222630 Fax: 026-2222005

(11.1)

The language of the bidding documents shall be **English**

(12.0)

Any other: **Nil**

(13.7)

VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the Bid Price Summary

(13.8)

The Contract is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

(14.3)

Bidders are **not allowed to bid in foreign currencies.**

(15.1)

The Bid shall be valid up to **63 Days from the bid opening.**

(16.2)

The amount of Bid Security shall be in Sri Lankan Rupees **31,000.00**

The Bid security is only from any bank approval by Central Bank of Sri Lanka or Construction Greentree Fund

The Bid Security shall be valid up to **91 days from 29.06.2022.**

(17.0)

Pre-Bid meeting – venue: Faculty of Agriculture, **EUSL, Vantharumoolai, Batticaloa.**

Date: **27.06.2022**

Time: **10.00 am**

(19.2) a The Employer's address for the purpose of Bid submission is
EUSL, Vantharumoolai, Batticaloa.

(19.2) b Contract name: **Plumbing works at Farm Premises (Crop and Animal) in
Faculty of Agriculture, EUSL**

Contract no: EUSL/OTS/AHEAD/R2/NS/AGI/22/10/III

(20.1) The deadline for submission of Bids shall be **30.06.2022 before 2.00 pm**

(28.3) For Evaluation and comparison of Bids under Sub – Clause 29.2, rates and prices quoted in foreign currencies by the bidders.

(36.0) *The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee or a Performance Bond from a reputed Insurance Company operating in Sri Lanka and accepted by the Treasury for issue of Guarantees or from any other organisation approved by the Treasury for this purpose.*

The amount of Performance Security is **5%** of the Initial Contract Price.

(36.0) The Adjudicator proposed by the Employer is in the CIDA approved list of Adjudicators. *Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.*

Name of Adjudicator one of the CIDA approved Adjudicator

Signature of bidder:

CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract.)

(1.3)

The Employer is

Name: : **Prof. V. Kanagasingam**

Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

Name of Authorised Representative: **Works Engineer, EUSL , Vantharumoolai, Batticaloa**

(1.1)

The Engineer is

Name: **Eng.K.Chandramohan, Deputy Director Engineer**

Address: **AHEAD Project, EUSL**

Name of Engineer's Representative: **Eng.S.Vinoraaj, Executive Engineer, Department of Buildings, Batticaloa**

The Works consists of **Plumbing works at Farm Premises (Crop and Animal) in Faculty of Agriculture, EUSL**

The site is located at **Vantharumoolai in Batticaloa**

(1.3)

The Start Date shall be **Two Months** from the issue of the Letter of Acceptance.

(2.3)

The following documents form part of the Contract:

- 1) Letter of Acceptance
- 2) Contract Agreement
- 3) Memorandum of Understanding (if any)
- 4) Conditions of Contract
- 5) Schedule
- 6) Contractor's Evaluated Bid – Accepted BOQ
- 7) Specifications
- 8) Drawings
- 9) Bill of Quantities

(3.3)

The language of the Contract is **English**

(8.1)

Schedule of other Contractors:

Name
Nil

Period

(9.1) Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined, (Head office and site staff)

(h) Technical
Work Supervisor

(i) Managerial

(13.1) The minimum insurance covers shall be:

(a)

- The maximum deductible for insurance of the Works and of Plant and Materials is Contract **Sum**
- The minimum cover for insurance of the Works and of Plant and Materials is **Contract Sum**

(b)

- The maximum deductible for insurance of Equipment is **Value of Equipments**
- The minimum cover for loss or damage to Equipment is **Full Value**

©

- The minimum cover for insurance of other property (other than the site) is **Value of damaged**

(13.4)

(a) The minimum cover for personal injury or death,

- for the Contractor's workmen is **Rupees 15,000.00** per event
- Contractor's employees other than workmen is **Rupees 10,000.00** per event

(17.1) The Intended Completion Date for the whole of Works shall be **365 days (12 Months)** from the Start Date

(21.1) The Site Possession Date shall be **14 Days** from Letter of Acceptance

(27.1) The Contractor shall submit a revised Program for the Works within **07** Days of delivery of the Letter of Acceptance

(27.3) The period between Program update is Two months

The amount to be withheld for late submission of a Programme is Rupees 15,000/=

(35.1) The Defects Liability Period is **365 Days**.

(39.2) Engineer may order variations up to a total cumulative value of not exceeding Rupees one percentage of the contract sum.

(44.3) The following events shall also be Compensation Events:

5. Not Applicable

6. Not Applicable

(46.1) The Exchange rate used for calculating the amounts to be paid in currencies other than Sri Lankan Rupees **Not Applicable**

47.1) The Contract **Price is subjected** to price adjustment.

If Applicable, In case of sudden price increase of construction material during the Initial contract period will be considered.

(48.1) The retention from each payment shall be **10%** percent of the certified work done.

The limit of retention shall be **5%** percent of the Initial Contract Price.

(49.3) The liquidated damages for the whole of the Works shall be **1/4000** per Day.

(50.3) The maximum amount of liquidated damages for the whole of the Works shall be **5%** percent of the Initial Contract Price.

(52.3) The Performance Security shall be **5%** percent of the Initial Contract Price.

(58.3) Schedule of operating and maintenance manuals,

(60.1) The percentage to apply to the value of the work not competed, representing the employer's additional cost for completing the works, is Nil

10.12	Advance	Applicable
	Payment	If applicable, upon the payment of the advance payment in full the Employer shall return the original of the Advance Payment Guarantee to the contractor

BIDDING DATA

Instructions to Bidders

Clause Reference

(1.4) The Employer is
Name: **Prof. V. Kanagasingam**
Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

The Works consists of **Construction to (10,000 L) Over Head Water Tank with Pump House in Faculty of Agriculture,EUSL**

Located at **Palacholai, Faculty of Agriculture, EUSL.**

(1.2) Intended Completion Date is **Three Months** from the Start Date.

(2.7) The source of fund is **AHEAD Project**

(2.8) The registration required
Speciality **CIDA registration book holders (Building Construction)** / In addition with Registration under EUSL, Vantharumoolai as a Civil Construction Contractor or Registration under Eastern Provincial Council as a Civil Construction Contractor or Registration under District Secretariat , Batticaloa as a Civil Construction Contractor upto a limit of **Rs. 10.0 Mn**
Grade: **C8 or above**

(4.3) The following information shall be provided in Section 4:

*** CIDA Registration**

Registration number
Grade
Specialty
Expiry date

* VAT Registration number

* Construction Program

* Legal Status (Sole proprietor, Partnership, Company, etc.)

* Authentication for signatory

* Total monetary value of construction work performed for each of the last five years;

* Experience in works of a similar nature and size for each of the last ten years;

* Major items of construction equipment proposed to carry out the Contract;

* Qualifications and experience of key Site Management and Technical Personnel proposed for the Contract.

* Any other

(4.4)

* Experience in the construction of at least one contract of a nature and complexity Equivalent to the Works over the last 5 years (to comply with this requirement, works cited should be at least 70 percent completed) ; Rs. **14,885,277.00**

* Proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed in the Bidding Data clause 4.1;

* Following Technical and Managerial Staff:

(j) Technical
Work Supervisor

(9.1) * Employer's / Engineer's address for the purpose of clarification is:

Name: Prof. V. Kanagasigam
Address: Vice Chancellor, EUSL, Vantharumoolai, Batticaloa
Tel.No: 026-2222630 Fax: 026-2222005

Name: Eng.K.Chandramohan,
Address: Deputy Director Engineer, AHEAD Project, EUSL
Tel.No: 026-2222630 Fax: 026-2222005

(11.1) The language of the bidding documents shall be **English**

(12.0) Any other: **Nil**

(13.9) VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the Bid Price Summary

(13.10) The Contract is not subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

(14.4) Bidders are **not allowed to bid in foreign currencies.**

(15.1) The Bid shall be valid up to **63 Days from the bid opening.**

(16.2) The amount of Bid Security shall be in Sri Lankan Rupees **49,700.00**

The Bid security is only from any bank approval by Central Bank of Sri Lanka or Construction Greentree Fund

The Bid Security shall be valid up to **91 days from 29.06.2022.**

(17.0) Pre-Bid meeting – venue: **EUSL, Vantharumoolai, Batticaloa.**

Date: **27.06.2022** Time: **10.00 am**

- (19.2) a The Employer's address for the purpose of Bid submission is
EUSL, Vantharumoolai, Batticaloa.
- (19.2) b Contract name: **Construction to (10,000 L) Over Head Water Tank with Pump
House in Faculty of Agriculture,EUSL**
- Contract no: EUSL/OTS/AHEAD/R2/NS/AGI/22/10/TV
- (20.1) The deadline for submission of Bids shall be **30.06.2022 before 2.00 pm**
- (28.4) For Evaluation and comparison of Bids under Sub – Clause 29.2, rates and prices quoted in foreign currencies by the bidders.
- (37.0) *The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee or a Performance Bond from a reputed Insurance Company operating in Sri Lanka and accepted by the Treasury for issue of Guarantees or from any other organisation approved by the Treasury for this purpose.*
- The amount of Performance Security is **5%** of the Initial Contract Price.
- (36.0) The Adjudicator proposed by the Employer is in the CIDA approved list of
Adjudicators. *Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer.*
- Name of Adjudicator one of the CIDA approved Adjudicator

Signature of bidder:

CONTRACT DATA

(Please note that the Clause nos. given hereunder are that of Conditions of Contract.)

(1.4)

The Employer is

Name: : **Prof. V. Kanagasingam**

Address: **Vice Chancellor, EUSL, Vantharumoolai, Batticaloa**

Name of Authorised Representative: **Works Engineer, EUSL , Vantharumoolai, Batticaloa**

(1.1)

The Engineer is

Name: **Eng.K.Chandramohan, Deputy Director Engineer**

Address: **AHEAD Project, EUSL**

Name of Engineer's Representative: **Eng.S.Vinoraaj, Executive Engineer, Department of Buildings, Batticaloa**

The Works consists of **Construction to (10,000 L) Over Head Water Tank with Pump House in Faculty of Agriculture,EUSL**

The site is located at **Vantharumoolai in Batticaloa**

(1.4)

The Start Date shall be **Three Months** from the issue of the Letter of Acceptance.

(2.3)

The following documents form part of the Contract:

- 1) Letter of Acceptance
- 2) Contract Agreement
- 3) Memorandum of Understanding (if any)
- 4) Conditions of Contract
- 5) Schedule
- 6) Contractor's Evaluated Bid – Accepted BOQ
- 7) Specifications
- 8) Drawings
- 9) Bill of Quantities

(3.4)

The language of the Contract is **English**

(8.1)

Schedule of other Contractors:

Name
Nil

Period

(9.1) Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined, (Head office and site staff)

(k) Technical
Work Supervisor

(l) Managerial

(13.1) The minimum insurance covers shall be:

- (a)
- The maximum deductible for insurance of the Works and of Plant and Materials is **Contract Sum**
 - The minimum cover for insurance of the Works and of Plant and Materials is **Contract Sum**
- (b)
- The maximum deductible for insurance of Equipment is **Value of Equipments**
 - The minimum cover for loss or damage to Equipment is **Full Value**
- ©
- The minimum cover for insurance of other property (other than the site) is **Value of damaged**

(13.5)

- (a) The minimum cover for personal injury or death,
- for the Contractor's workmen is **Rupees 15,000.00** per event
 - Contractor's employees other than workmen is **Rupees 10,000.00** per event

(17.1) The Intended Completion Date for the whole of Works shall be **365 days (12 Months)** from the Start Date

(21.1) The Site Possession Date shall be **14 Days** from Letter of Acceptance

(27.1) The Contractor shall submit a revised Program for the Works within **07** Days of delivery of the Letter of Acceptance

(27.3) The period between Program update is Two months

The amount to be withheld for late submission of a Programme is 15,000/= Rupees

(35.1) The Defects Liability Period is **365 Days**.

(39.2) Engineer may order variations up to a total cumulative value of not exceeding Rupees one percentage of the contract sum.

(44.4) The following events shall also be Compensation Events:

7. Not Applicable

8. Not Applicable

(46.1) The Exchange rate used for calculating the amounts to be paid in currencies other than Sri Lankan Rupees **Not Applicable**

- 47.1)

The Contract **Price is subjected** to price adjustment.

If Applicable, In case of sudden price increase of construction material during the Initial contract period will be considered
- (48.1)

The retention from each payment shall be **10%** percent of the certified work done.

The limit of retention shall be **5%** percent of the Initial Contract Price.
- (49.4)

The liquidated damages for the whole of the Works shall be **1/4000** per Day.
- (50.4)

The maximum amount of liquidated damages for the whole of the Works shall be **5%** percent of the Initial Contract Price.
- (52.4)

The Performance Security shall be **5%** percent of the Initial Contract Price.
- (58.4)

Schedule of operating and maintenance manuals,
- (60.1)

The percentage to apply to the value of the work not competed, representing the employer’s additional cost for completing the works, is Nil
- 10.12

Advance

Applicable

Payment

If applicable, upon the payment of the advance payment in full the Employer shall return the original of the Advance Payment Guarantee to the contractor

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

**BILL OF QUANTITY FOR THE EXPENSION OF AZOLA PRODUCTION PONDS IN FACULTY OF AGRICULTURE
EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<p align="center"><u>(A) - EXCAVATOR AND EARTH WORK</u></p> <p>All the items in this trade are purely provisional since the depth of excavation are taken as indicated in drawing assuming the site is flat.</p> <p>Note:- Rate shall include for:-</p> <p>(a) Leveling bottom of trenches and keeping side plumb.</p> <p>(b) Back filling with selected Excavated materials and Consolidating.</p> <p>(d) Disposal of surplus excavated material and keeping all excavation free from water.</p> <p>(e) All excavations are measured net. No allowance made for working space.</p>				
A-APEU-1	Excavation for foundation in any material except rock requiring blasting, part return fill in and ram, and surplus disposed of within site as directed. (Rate include for shoring)	m ³	2.00	.....	.....
	<p align="center"><u>(B) - CONCRETE WORKS</u></p> <p><u>Concrete</u></p> <p><u>Unless other wise stated all concrete work shall be</u></p> <p>(a) 1:2:4(3/4") mix.</p> <p>(b)1:3:6 (40)Mix</p> <p>(c)1:1-1/2:3(20)</p> <p>(d) Made dense with a vibrator.</p> <p>(e)So cast astoreceive only that finishing on it sexposed surface as required.</p> <p><u>Rates for concrete shall include for :-</u></p> <p>Plant formixing, handling, hosting, depositing, compacting --do -- curing removal of formwork.</p> <p>Unless other wise specified in the respective items,all form work and reinforcement are measured separately</p>				

**BILL OF QUANTITY FOR THE EXPENSION OF AZOLA PRODUCTION PONDS IN FACULTY OF AGRICULTURE
EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<u>Reinforced Concrete</u>				
B-APEU-1	Cement concrete 1:2:4(20) in Pond base and walls.	m ³	1.28	.....	.....
B-APEU-2	Supplying mixing used Dr. fix it wall and base area (1.27 Lit for use 1 Cu.m G-20 Cement concrete)	m ³	1.28	.....	.....
	<u>(C) - FORM WORKS</u>				
	(A) Rate shall including for all necessary boarding, supports, erecting, framing, cutting & angles, striking or removal, cleaning, wetting etc.				
	(B) Form work is measured in the same order as the concrete items.				
	(C)Form work is measured as the net contact surface measurement between concrete and form work.				
	(D) Form work for column, beam & lintels are given as a girth measurements.				
C-APEU-1	Playwood sheet Shuttering for walls .including class II 50x50mm runner joists and necessary supports. Rate to include for removal.(If necessary)	m ²	19.25	.....	.....
	<u>(D) - REINFORCEMENTS</u>				
	Tor steel rod reinforcement including bends, hooks, tying wire, distance blocks and ordinary spacers (Inevitable laps and chairs included in BOQ Quantities) fy = 460 N/mm2	Note			
	Mild steel rod reinforcement to BS 4449 and strength (FY=250 N/mm2) including bends, hooks, tying wire, distance blocks and ordinary spacers.	Note			
D-APEU-1	Tor steel rods (10mm @ 200mm c/c) in reinforcing in base and wall bent to shape, laid in position and tied with G.I. Wire as directed.as per drawing.	kg	88.00	.....	.....

BILL OF QUANTITY FOR THE EXPENSION OF AZOLA PRODUCTION PONDS IN FACULTY OF AGRICULTURE
EASTERN UNIVERSITY BATTICALOA, SRILANKA.

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<u>(E) - WALL FINISHES</u>				
	The rates shall include for all temporary rules, screed and grouts etc. for raking out joints of brick work or hacking new concrete for key. Internal and coverd ancles joints making good around pipes, sanitary fit similar fixtures. between different surfaces, etc.	Note			
E-APEU-1	10mm th.plaster to RCC pond external walls cement and sand 1:3 finished smooth.	m ²	11.80	.....	.....
E-APEU-2	20mm thick 1:2 cement Plaster with 5% pudlo cement to pond internal wall and bottom.	m ²	15.80	.....	.....
E-APEU-3	Gray cement floating coat & finish smooth to tank internal walls.	m ²	27.60	.....	.....
E-APEU-4	Allow for supplying and fixing pond water inlet and outlet PVC pipe arangement.Rate including 32mm Pvc Pipe (6.m long) with 32mm Ball valve (2Nos).	Item	Allow	Sum	.....
	Azola Production Pond Carried to Summary				

BILL OF QUANTITY FOR THE EXPENSION OF AZOLA PRODUCTION PONDS IN FACULTY OF AGRICULTURE
EASTERN UNIVERSITY BATTICALOA, SRILANKA.

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
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BILL OF GRAND TOTAL

I.NO	DESCRIPTION OF WORK	TOTAL AMOUNT (LKR)
1	Bill Total Summary For :Azola Production Pond (As Per Annex BOQ) (Collection Pages : 1 to 3)
	TOTAL CARRIED TO SUMMARY	
	LESS DISCOUNT(%) (If any)	
	GRAND TOTAL (BID PRICE) -EXCLUDING VAT	

Total Amount in words:

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Total Value of VAT (Rs) :

VAT Registration Number :

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Signature Of Bidder

Date:

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Signature Of Employer

Date:

Witness :.....

Address:.....

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BOQ for Supplying, Installation and Handing over of Net House with Hydroponics and Mist Propagator System at the University Farm, Faculty of Agriculture, Eastern University, Sri Lanka.

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
	<u>BILL NO: 01</u>				
	<u>(A) - PRELIMINARIES</u>				
	<u>Insurance and Securities</u>				
A-NHEU-1	Allow for providing a Performance Security			P.Sum	10,000.00
A-NHEU-2	Allow for providing an Advanced Payment Security			P.Sum	15,000.00
A-NHEU-3	Provisional sum for insurance of Works, Machinery & Equipment , Plant, Materials, third party persons & property and Employer's personnel & property at site as per the Contract			P.Sum	10,000.00
	BILL NO:01, PRELIMINARIES CARRIED TO SUMMARY				35,000.00
	<u>BILL NO: 02</u>				
	<u>(B) - SITE CLEARING WORK</u>				
B-NHEU-1	Clearing site including removal of roots and growth of every description, removing top soil upto a depth of 150mm extended upto 3.0m beyond the outer walls of the proposed building and carting away the waste material from the site where directed & levelling.	Item	Allow	Sum	.....
B-NHEU-2	Completion- The contractor shall remove all debris clean all surplus materials as directed by the Engineer and leve whole of the works in a clean and perfect condition fit for occupation and use at completion. The whole area of the works shall be completely cleared of all debris and tidied up to the entire satisfaction of the Engineer.	Item	Allow	Sum	.....
	BILL NO:02, SITE CLEARING WORK CARRIED TO SUMMARY				

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
	<u>BILL NO: 03</u>				
	<u>(C) - NET HOUSE</u>				
C-NHEU-1	Supplying, fabricating and fixing of Vertical sde post 50mm dia GI tube , galvanize both side, 2.3mm Thickness.	Lm	44.00	.....	.....
C-NHEU-2	Supplying, fabricating and fixing of Vertical center post 50mm dia GI tube ; 2.3mm Thickness, galvanize both side.	Lm	15.00	.....	.....
C-NHEU-3	Supplying, fabricating and fixing of GI tube 50mm Dia, 2.3 mm wall thickness (Galvanized double sided) Fabricated arch to obtained 4.20m center height and 3.0m gable height with the width of 6.0m.	Nos	6.00	.....	.....
C-NHEU-4	Supplying, fabricating and fixing Horizontal support tube 25mm dia GI tube ,galvanize both side, 2 mm thickness to connect all the arches.	Lm	88.00	.....	.....
C-NHEU-5	Supplying, fabricating and fixing 02 nos of side purlines for arches 50mm dia GI tube , 2.3mm thickness, galvanize both side.	Lm	25.00	.....	.....
C-NHEU-6	Supplying, fabricating and fixing 6 No's of center purlines 50mm dia GI tube , 2.3 mm thickness, galvanize both side.	Lm	38.00	.....	.....
C-NHEU-7	Supplying, fabricating and fixing the support from the center purlins to arches 25mm dia GI tube , 2 mm thickness, galvanize both side.	Lm	40.00	.....	.....
C-NHEU-8	Supplying, fabricating and fixing the ground level tube 25mm dia GI , 2 mm thickness, galvanize both side.	Lm	38.00	.....	.....
C-NHEU-9	Supplying, fabricating and fixing of GI welded wire mesh, 50x50mm square type , 2.80mm SWG 10 over the arches.	m ²	82.00	.....	.....
C-NHEU-10	Supplying, fabricating and fixing of Roof cover uv treated and uv resistant greenhouse cover film, 200 micron thickness , 6 m width, 40m Length.Rate to including PVC pipe clamps and revert. Fixing details as per drawing (approx. 110 Sq.m)			P.Sum	60,000.00
C-NHEU-11	Supplying, fabricating and fixing of Roof cover uv treated and uv resistant shade net; diffused 50% of light transmission , 4 m width, 50m Length. Rate to including PVC pipe clamps and revert. Fixing details as per drawing (approx. 110 Sq.m)			P.Sum	50,000.00

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
C-NHEU-12	Supplying, fabricating and fixing of UV treated and UV resistant 40 mesh white color insect proof net for all the side covering and trap door, 3.5 m width, 40m Length. Rate to including PVC pipe clamps and revert. Fixing details as per drawing (approx. 125 Sq.m)			P.Sum	50,000.00
C-NHEU-13	Supplying, fabricating and fixing of GI welded wire mesh, 50x50mm square type , 2.80mm SWG 10 to cover all sides.	m ²	113.00	.....	.....
C-NHEU-14	Supplying and Fixing the green house fans in the front side 45 x45 cm.	Nos	2.00	.....	.....
C-NHEU-15	Supplying and Fixing the green house fans in the back side 60 x60 cm.	No	1.00	.....	.....
C-NHEU-16	Supplying and fixing of 1.0x2.0m size Slide door using material 25mm GI pipe frame work with cover to UV treated and UV resistant 40 mesh white color insect proof net . Net fixing frame internaly 20mm dia PVC pipe. Rate icluding 50mm dia pully and 40x40x6mm 'L' iron All complete According to the Drawings.	Item	Allow	Sum	.....
C-NHEU-17	1:2:4(20mm) 300x300x600mm size concrete footing and form work. Including excavation to fix 50mm GI post. (Rate excluding GI post)	No	17.00	.....	.....
C-NHEU-18	Supplying, Fabricating and fixing the GI Gutter on both sides 13m (6.5m One side), 150mm width and 100mm height, Galvenized.	Lm	26.00	.....	.....
	BILL NO:03, NET HOUSE CARRIED TO SUMMARY				

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
	<u>BILL NO: 04</u>				
	<u>(D) - HYDROPONICS SYSTEM</u>				
D-HSEU-1	Supplying and fixing a Screen Filter with its pipe lines 50mm, 50 m ³ /h, 120 micron.	No	1.00	.....	.....
D-HSEU-2	Supplying and Fixing the Electronic Automated Digital Timer, Relay, Panel Box, Power Pack, Protective Cover and Wiring.			P.Sum	75,000.00
D-HSEU-3	Supplying and Fixing the Hydroponics tubes: PVC tube, 90mm Dia, 10m in length, 2" holes in top, 25cm spacing between two holes.	No	14.00	.....	.....
D-HSEU-4	Supplying, Fabricating and Fixing the triangle Iron Square Bar, 50mmx1mm, A Frame 10m in length, 1.5m in width, 1.8m in height, Galvanised.	No	6.00	.....	.....
D-HSEU-5	Supplying and Placing the Grow Bag and Coco Feet Bag 300x1200x300mm	No	40.00	.....	.....
D-HSEU-6	Supplying and Fixing the Arrow Drippers 2.5 l/h in the lateral lines.	No	100.00	.....	.....
D-HSEU-7	Supplying, Fabricating and Fixing the GI Gutter system, long 10 m,width 300mm, height 150mm with 100mm drainage system, Galvanized.	No	4.00	.....	.....
D-HSEU-8	Supplying and Fixing the feed and drain tubes. 63mm drainage pipe from two gutted to water supply tank.	L.m	12.00	.....	.....
D-HSEU-9	Supplying and Fixing the main pipe line to hydroponics system, 32mm PVC.type 1000.	L.m	5.00	.....	.....
D-HSEU-10	Supplying and Fixing the lateral pipe line to hydroponics system. 13mm LDPE Pipe, 50m.	Roll	1.00	.....	.....
D-HSEU-11	Supplying and Fixing a plastic tank, 2000 L PE+premium triple layer, its pipes with Hydroponics system.	No	1.00	.....	.....
D-HSEU-12	Supplying and Fixing 1 HP solex Sx-136/1.0,1.0HP water Pump with power and water tank to supply water to Hydroponics system.32mm dia suction & delivery with wiring and foot valve, starter switch etc	No	1.00	.....	.....
D-HSEU-13	Transportation,Installation, Technisian and Other Charges.	Item	Allow	Sum	.....
	BILL NO:03, HYDROPONICS SYSTEM CARRIED TO SUMMARY				

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
	<u>BILL NO: 05</u>				
	<u>(E) - MIST PROPAGATOR</u>				
E-HSEU-1	Supplying and Fixing the Fog Nozzles 4 way nozzles/ 30 l/h.	No	90.00	.....	.....
E-HSEU-2	Supplying and Fixing the Laterals-16mm LDPE 05 laterals, 1m x1m, 50m .	Roll	1.00	.....	.....
E-HSEU-3	Supplying and Fixing the main pipe line to Mist propagator. 50mm PVC, PNT11	Bar	3.00	.....	.....
E-HSEU-4	Supplying and Fixing 25mm, Presure Pump with power and Main Pipe Line to supply water to mist propagators.	No	1.00	.....	.....
E-HSEU-5	Supplying and Fixing the Sensor to control the Temperature.	No	1.00	.....	.....
E-HSEU-6	Supplying and Fixing a plastic tank, 2000 L, its piples with Mist Propagators.	No	1.00	.....	.....
E-HSEU-7	Transportation,Installation, Technisian and Other Charges.	Item	Allow	Sum	.....
E-HSEU-8	Misselenious expenses for miner changes in the design during the assambling of net house, mist and hydropnics			P.Sum	25,000.00
	BILL NO:05, NET HOUSE CARRIED TO SUMMARY				
	<u>BILL CARRIED TO SUMMARY</u>				
	BILL NO:01, PRELIMINARIES				.....
	BILL NO:02, SITE CLEARING WORK				.....
	BILL NO:03, NET HOUSE				.....
	BILL NO:04, HYDROPONICS SYSTEM				.....
	BILL NO:05, MIST PROPAGATOR			
	BILL TOTAL SUMMARY				

ITEM.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
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BILL OF GRAND TOTAL

I.NO	DESCRIPTION OF WORK	TOTAL AMOUNT (LKR)
1	Bill Total Summary For : Supplying, Installation and Handing over of Net House with Hydroponics and Mist Propagator System (As Per Annex BOQ) (Collection Pages : 1 to 5)
	TOTAL CARRIED TO SUMMARY	
	LESS PROVISIONAL SUM WORK (-)	295,000.00
	SUB TOTAL-I	
	LESS DISCOUNT(%) (If any)	
	SUB TOTAL-II	
	ADD PROVISIONAL SUM WORK (+)	295,000.00
	GRAND TOTAL (BID PRICE) -EXCLUDING VAT	

Total Amount in words:

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Total Value of VAT (Rs) :

VAT Registration Number :

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Signature Of Bidder

Date:

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Signature Of Employer

Date:

Witness :

Address:

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BILL OF QUANTITY FOR THE PLUMBING WORKS AT FARM PREMISES (CROP AND ANIMAL)
IN FACULTY OF AGRICULTURE EASTERN UNIVERSITY, SRILANKA, PALACHCHOLAI

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO: 01</u> <u>(A) - PRELIMINARIES</u> <u>Insurance and Securities</u>				
A-PLEU-1	Allow for providing a Performance Security			P.Sum	30,000.00
A-PLEU-2	Allow for providing an Advanced Payment Security			P.Sum	40,000.00
A-PLEU-3	Provisional sum for insurance of Works, Machinery & Equipment , Plant, Materials, third party persons			P.Sum	25,000.00
A-PLEU-4	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as - built drawings should be provided after work completion , for Engineers approval.	Item	Allow	Sum	.....
	Bill No:01, Preliminaries carried to summary				
	<u>BILL NO: 02</u> <u>(B) - PLUMBING AND WATER SUPPLY PIPES</u> Any special water supply and fittings such as bends, tees, reducers, etc. Unless otherwise specified including in the Bill of Quantities shall be deemed to have been included in the relevant item and should accordingly be rated to include for such specials, etc. and for any Extra work involved for the satisfactory completion of such items.	Note			
	Supply and fix uPVC Pipes - SLS 147, *uPVC Pipes Fittings - SLS 659 pipes including Rate to include for excavation of trenches depth 300-450mm and Rate shall included for proceed Leakage test before backfilling as per the Engineer instruction	Note			
B-PLEU-1	Supply and laying 63mm PVC (Socket end) pipe (PNT 11/PN 12.5/1000gauge) with necessary fittings (bend, elbow, joint, Tee and etc..) (Rate including necessary excavation, back filling & warning tape)	L.m	146.00	.....	.....
B-PLEU-2	Supply and laying 110mm PVC (Socket end) pipe (PNT 11/PN 12.5/1000gauge). (Rate including necessary excavation, back filling & warning tape)	L.m	210.00	.....	.....

BILL OF QUANTITY FOR THE PLUMBING WORKS AT FARM PREMISES (CROP AND ANIMAL)
IN FACULTY OF AGRICULTURE EASTERN UNIVERSITY, SRILANKA, PALACHCHOLAI

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B-PLEU-3	Supply and fixing 63mm dia Brass Ball valve "Pegler" Brand or approved equivalent.	Nrs	3.00	.....	.....
B-PLEU-4	Supply and fixing 110mm dia Brass Ball valve "Pegler" Brand or approved equivalent.	Nrs	4.00	.....	.....
B-PLEU-5	Supply and fixing PVC 110mm Bend (PNT 11/ PN 12.5)	Nrs	2.00	.....	.....
B-PLEU-6	Supply and fixing PVC 110mm Equal Tee (PNT 11/ PN 12.5)	Nrs	4.00	.....	.....
B-PLEU-7	Supply and fixing PVC 110x63mm Reducing Tee (PNT 11/ PN 12.5)	Nrs	2.00	.....	.....
B-PLEU-8	Supply and fixing PVC 110x63mm Reducing Socket (PNT 11/ PN 12.5)	Nrs	2.00	.....	.....
B-PLEU-9	Supply and fixing PVC 63mm End cap (PNT 11/ PN 12.5)	Nrs	2.00	.....	.....
B-PLEU-10	Valve chambers 300mmx300mm (Internally) & up to 450mm to 600mm deep 225mm thick brick in cement 1:3 walls & cement rendered 12mm (1:2) with 150mm cement conc. foundation 1:3:6(40) including forming channels with cover reinforced 1:2:4(20)conc. 75mm thick supplied and fixed reinforced 10mm dia. M.S. at 150mm crs. both ways. (Rate including Internal & External smooth cement plastering)	Nrs	6.00	.....	.....
	Plumbing and Water Supply Pipes carried to summary				
	<u>BILL CARRIED TO SUMMARY</u>				
(A)	BILL NO:01, PRELIMINARIES				.....
(B)	BILL NO:02, PLUMBING AND WATER SUPPLY PIPES				.....
	BILL TOTAL SUMMARY				

BILL OF QUANTITY FOR THE PLUMBING WORKS AT FARM PREMISES (CROP AND ANIMAL)
IN FACULTY OF AGRICULTURE EASTERN UNIVERSITY, SRILANKA, PALACHCHOLAI

Note:- All work to be carried out as per instruction of supervising officer. Payment will be made only for quantity of work done. Rates are included for testing of concrete and construction materials.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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BILL OF GRAND TOTAL

I.NO	DESCRIPTION OF WORK	TOTAL AMOUNT (LKR)
1	BILL TOTAL SUMMARY FOR : PLUMBING WORKS AT FARM PREMISES (CROP AND ANIMAL) IN FACULTY OF AGRICULTURE (AS PER ANNEX B.O.Q.) COLLECTION PAGES NO: 1 TO 2)
	TOTAL CARRIED TO SUMMARY	
	LESS PROVISIONAL SUM WORK (-)	95,000.00
	SUB TOTAL-I	
	LESS DISCOUNT(%) (If any)	
	SUB TOTAL-II	
	ADD PROVISIONAL SUM WORK (+)	95,000.00
	GRAND TOTAL (BID PRICE) -EXCLUDING VAT	

Total Amount in words:

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Total Value of VAT (Rs) :

VAT Registration Number :

Signature Of Bidder

Date:

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Signature Of Employer

Date:

Witness :

Address:

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**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRI LANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<u>BILL NO: 01</u>				
	<u>PRELIMINARIES</u>				
	<u>Insurance and Securities</u>				
PR-WTEU-1	Allow for providing a Performance Security			P.Sum	15,000.00
PR-WTEU-2	Allow for providing an Advanced Payment Security			P.Sum	20,000.00
PR-WTEU-3	Provisional sum for insurance of Works, Machinery & Equipment , Plant, Materials, third party persons & property and Employer's personnel & property at site as per the Contract			P.Sum	10,000.00
	<u>Engineer's Facilities</u>				
PR-WTEU-4	Allow lump sum for constructing, maintaining dismantling and removal on completion of the Works, a temporary building (area not less 50SqM) for Engineer's requirements, including necessary furniture and fittings, furnishing, sanitary facilities and other facilities such as (a) Furniture such as 1 No. tables & 3 No.chairs for staff	Item	Allow	Sum	.....
	<u>Contractor's facilities</u>				
PR-WTEU-5	Allow lump sum for constructing, maintaining dismantling and removal on completion of the Works, a temporary site office of adequate size including staff rest room and toilets and other facilities for the contractor's site management staff in accordance with the plans prepared by the contractor and concurred by the Engineer. Site office as per Drg. with necessary equipment and furniture.(area not less than 15 Sqm with rendered floor.	Item	Allow	Sum	.....
	<u>Quality, Standards and Progress</u>				
PR-WTEU-6	Allow lump sum for all cost in connection with preparing samples for testing,making arrangements for testing of Materials, Goods etc. as stipulated in the specification, obtaining test reports and submitting the same to the Engineer			P.Sum	15,000.00
	<u>Setting Out</u>				
PR-WTEU-7	Allow lump sum for setting out of works in accordance with drawing and other written information give by the engineer.	Item	Allow	Sum	.....
	<u>Services and Facilities</u>				
PR-WTEU-8	Allow lump sum for supply of water for the Works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	Item	Allow	Sum	.....

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
PR-WTEU-9	Allow lump sum for arrangement of safty arangment for around the plat form, safty net around working area. Include ladder arrangement for technical inspaction and works	Item	Allow	Sum	.....
PR-WTEU-10	Allow sum for providing safety facility for the Engineer and his staff during construction. (Safety helmets, Boots and other facilities)	Item	Allow	Sum	.....
BILL NO:01, PRELIMINARIES CARRIED TO SUMMARY					

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<u>BILL NO: 02</u>				
	<u>OVER HEAD WATER TANK</u>				
	<u>(A) - CLEARING AND GRUBBING</u>				
A-WTEU-1	Setting out for foundation of over head tank and Site preparation, Clearing site vegetation, removing bushes, shrubs & top soil to a depth not exceeding 150mm and removing all debris away from site.	Item	Allow	Sum	.....
A-WTEU-2	Completion- The contractor shall remove all debris clean all surplus materials as directed by the Engineer and leave whole of the works in a clean and perfect condition fit for occupation and use at completion. The whole area of the works shall be completely cleared of all debris and tidied up	Item	Allow	Sum	.....
	Site Clearing carried to summary				
	<u>(B)- EXCAVATOR AND EARTH WORK</u>				
	All the items in this trade are purely provisional since the depth of excavation are taken as indicated in drawing assuming the site is flat.				
	Note:- Rate shall include for:-				
	(a) Leveling bottom of trenches and keeping side plumb.				
	(b) Back filling with selected Excavated materials and Consolidating.	Note			
	(d) Disposal of surplus excavated material and keeping all excavation free from water.	Note			
	(e) All excavations are measured net. No allowance made for working space.				
B-WTEU-1	Excavation for foundation in any material except rock requiring blasting, part return fill in and ram, and surplus disposed of within site as directed. (Rate include for shoring)	Cu.m	26.00	.....	.....
B-WTEU-2	Back filling - Approved Earth spreading , leveling watering and compaction manually using standard cast iron stamper or equivalent and filling in 150 mm thick layers (loose volume) in restricted areas (Earth available at site) - Earth measured as a volume in loose state before spreading and compaction	Cu.m	21.00	.....	.....

**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<u>Earthwork Supports (where necessary)</u>				
	Earthwork supports (Planking & Strutting) total depth of excavation not exceeding 2.0m and distance between vertical sides (opposing faces) not exceeding 2.0m, (Payment will be made only for actually executed Quantities on the order of the Engineer)				
B-WTEU-3	For Column Footings	m ²	30.00	.....	.....
	<u>Dewatering</u>				
B-WTEU-4	Allow for dewatering, in the manner approved by the engineer to keep all excavation dry until all works in substructure are completed. including water pumps. (payment will be made only for the actually execution, on the order of the engineer)			P.sum	10,000.00
	Excavation & Earth work carried to summary				
	<u>(C) - CONCRETE WORKS</u>				
	<u>Concrete</u>				
	<u>Unless other wise stated all concrete work shall be</u>				
	(a) 1:2:4(3/4") mix.				
	(b)1:3:6 (40)Mix				
	(c)1:1-1/2:3(20)				
	(d) Made dense with a vibrator.				
	(e)So cast as to receive only that finishing on its exposed surface as required.				
	<u>Rates for concrete shall include for :-</u>				
	Plant formwork, handling, hoisting, depositing, compacting --do -- curing removal of formwork.				
	Unless other wise specified in the respective items, all form work and reinforcement are measured separately				
	<u>Mass/Lean Concrete</u>				
C-WTEU-1	Cement concrete 1:3:6 (40) under column footings (lean concrete of 75mm thickness)	Cu.m	0.80	.....	.....
	<u>Reinforced Concrete</u>				
C-WTEU-2	Cement concrete in column footings in 1:2:4(20) ground floor using mixer and vibrators	Cu.m	3.10	.....	.....

**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRI LANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
C-WTEU-3	Cement concrete 1:2:4(20) in Plinth Beams	Cu.m	1.30	.....	.....
	Column				
C-WTEU-4	1:2:4(20) concrete, columns Above Footings to 3.0m height.	Cu.m	2.70	.....	.....
C-WTEU-5	1:2:4(20) concrete, columns from 3.0m to 6.0m hight.	Cu.m	2.00	.....	.....
C-WTEU-6	1:2:4(20) concrete, columns from 6.0m to 9.0m hight.	Cu.m	2.00	.....	.....
C-WTEU-7	1:2:4(20) concrete, columns from 9.0m to 12.0m hight.	Cu.m	2.00	.....	.....
C-WTEU-8	1:2:4(20) concrete, columns from 12.0m to 15.0m hight.	Cu.m	2.00	.....	.....
	Beam				
C-WTEU-9	1:2:4(20) RCC concrete beam above Plinth beam to 3.0m hight level.	Cu.m	1.30	.....	.....
C-WTEU-10	'1:2:4(20) RCC concrete beam from 3.0m to 6.0m hight level.	Cu.m	1.30	.....	.....
C-WTEU-11	'1:2:4(20) RCC concrete beam from 6.0m to 9.0m hight level.	Cu.m	1.30	.....	.....
C-WTEU-12	'1:2:4(20) RCC concrete beam from 9.0m to 12.0m hight level.	Cu.m	1.30	.....	.....
C-WTEU-13	'1:2:4(20) RCC concrete beam from 12.0m to 15.0m hight level.	Cu.m	1.50	.....	.....
C-WTEU-14	175mm thick 1:1-1/2:3(20) RCC concrete in tank bottom slab	Cu.m	1.30	.....	.....
C-WTEU-15	150mm thick 1:1-1/2:3(20) RCC concrete in tank wall	Cu.m	2.80	.....	.....
C-WTEU-16	100mm thick 1:2:4(20) RCC concrete in tank top slab	Sq.m	10.70	.....	.....
C-WTEU-17	100mm thick 1:2:4(20) RCC concrete in manhole cover slab	Sq.m	1.60	.....	.....
C-WTEU-18	Supplying mixing used Dr. fix it slab .sunshade and bath room area (1.27 Lit for use 1 Cu.m G-20 Cement concrete)	Cu.m	4.10	.....	.....
	Concreter carried to summary				

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	<p align="center"><u>(D) - FORM WORKS</u></p> <p>(A) Rate shall including for all necessary boarding, supports, erecting, framing, cutting & angles, striking or removal, cleaning, wetting etc.</p> <p>(B) Form work is measured in the same order as the concrete items.</p> <p>(C)Form work is measured as the net contact surface measurement between concrete and form work.</p> <p>(D) Form work for column, beam & lintels are given as a girth measurements.</p>				
D-WTEU-1	Shuttering for column footing width >300mm. including class II 50x50mm runner joists and necessary supports. Rate to include for removal.(If necessary)	Sq.m	10.30	.....	.....
D-WTEU-2	Shuttering for Plinth beam in ground floor including class II 50x50mm runner joists and necessary supports. Rate to include for removal.(If necessary)	Sq.m	12.00	.....	.....
D-WTEU-3	Form work for column Above Footings to 3.0m. including class II timber joists and necessary props	Sq.m	29.50	.....	.....
D-WTEU-4	'Form work for column from 3.0m to 6.0m hight. including class II timber joists and necessary props	Sq.m	22.10	.....	.....
D-WTEU-5	'Form work for column from 6.0m to 9.0m hight. including class II timber joists and necessary props	Sq.m	22.10	.....	.....
D-WTEU-6	'Form work for column from 9.0m to 12.0m hight. including class II timber joists and necessary props	Sq.m	22.10	.....	.....
D-WTEU-7	Form work for column from 12.0m to 15.0m hight.including class II timber joists and necessary props	Sq.m	14.10	.....	.....
D-WTEU-8	Plywood Shuttering for beam above Plinth beam to 3.0m level. including class II timber joists and necessary props.	Sq.m	12.00	.....	.....
D-WTEU-9	Plywood Shuttering for beam from 3.0m to 6.0m level. including class II timber joists and necessary props.	Sq.m	12.00	.....	.....
D-WTEU-10	Plywood Shuttering for beam from 6.0m to 9.0m level. including class II timber joists and necessary props.	Sq.m	12.00	.....	.....
D-WTEU-11	Plywood Shuttering for beam from 9.0m to 12.0m level. including class II timber joists and necessary props.	Sq.m	12.00	.....	.....

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
D-WTEU-12	Plywood Shuttering for beam from 12.0m to 15.0m level. including class II timber joists and necessary props.	Sq.m	11.85	.....	.....
D-WTEU-13	Plywood Shuttering for tank bottom slab (Plinth beam+15.0m). Including 100x50mm class II joists and necessary props.	Sq.m	7.00	.....	.....
D-WTEU-14	Plywood Shuttering for tank wall (Plinth beam +15.0m). Including 100x50mm class II joists and necessary props.	Sq.m	37.30	.....	.....
D-WTEU-15	Plywood Shuttering for tank top slab (Plinth beam +15.0m). Including 100x50mm class II joists and necessary props.	Sq.m	11.15	.....	.....
D-WTEU-16	Plywood Shuttering for manhole cover slab	Sq.m	0.75	.....	.....
D-WTEU-17	Supplying and erecting steel scaffolding sets. Rate to include for dismantling same after completion of work	Item	Allow	Sum	.....
	Form work carried to summary				
	<u>(E) - REINFORCEMENTS</u>				
	Tor steel rod reinforcement including bends, hooks, tying wire, distance blocks and ordinary spacers (Inevitable laps and chairs included in BOQ Quantities) fy = 460 N/mm2	Note			
	Mild steel rod reinforcement to BS 4449 and strength (FY=250 N/mm2) including bends, hooks, tying wire, distance blocks and ordinary spacers.	Note			
E-WTEU-1	Tor steel rods (10mm ,12mm & 16mm) in reinforcing in footings,Column,Beam ,Tank bottomslab, cover slab and wall bent to shape, laid in position and tied with G.I. Wire as directed.as per drawing.	kg	2500.00	.....	.....
E-WTEU-2	Mild steel 6mm rods in stirrups column ,Plinth beam and Beam bent to shape, laid in position and tied with G.I. Wire as directed.as per drawing.	kg	360.00	.....	.....
	Reinforcements carried to summary				

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	(F) - WALL FINISHES				
	The rates shall include for all temporary rules, screed and grouts etc. for raking out joints of brick work or hacking new concrete for key. Internal and coverd ancles joints making good around pipes, sanitary fit similar fixtures. between different surfaces, etc.	Note			
	Note-Without Pump House				
F-WTEU-1	10mm th.plaster to RCC Column and beam cement and sand 1:3 finished smooth above 3.0m to 6.0m	Sq.m	38.30	.....	.....
F-WTEU-2	10mm th.plaster to RCC Column and beam cement and sand 1:3 finished smooth from 6.0m to 9.0m	Sq.m	38.30	.....	.....
F-WTEU-3	10mm th.plaster to RCC Column and beam cement and sand 1:3 finished smooth from 9.0m to 12.0m	Sq.m	38.30	.....	.....
F-WTEU-4	10mm th.plaster to RCC Column, beam,Tank internal & external walls cement and sand 1:3 finished smooth 12.0m to water tank top.	Sq.m	72.00	.....	.....
F-WTEU-5	20mm thick 1:2 cement, sand rendering to tank internal bottom. With add 5% pudlo cement.	Sq.m	9.70	.....	.....
F-WTEU-6	Gray cement floating coat & finish smooth to tank internal walls.	Sq.m	27.50	.....	.....
	Wall finishes carried to summary				

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
G-WTEU-1	<p align="center"><u>(G) - WATER PROOFING</u></p> <p>Water proofing system. Shall consist of two coats of waterproofing concrete slurry coats.</p> <p>Surface preparation, mixing, application and curring shall be strictly in accordance with the manufacture's instructions.</p> <p>The connttractor may use any system of water proofing concrete by crystallization. With the prior approval of the Engineer.</p> <p>Rate shall include for chipping removing and cleaning all loose materials on the surfaces to be water proof.</p> <p>Rate shall include for seailing around gullies, pipe protrusions with non shrink high strenght cementation grout master flow 98 or equivalent</p> <p>Supplying and laying of glass fiber reinforcement strip, Glascoate 60 or equivalent to vertical or horizontal interseactions as per manufactrure instruction & working order.</p>	Sq.m	27.50	.....	.....
	Two coats Application of crystalline type Xypex (Non-toxy) waterproofing to horizontal and vertical surfaces of water tanks, (water proofing material recommended for portable water storage tanks) products marketed/installed by a specialist contractor registered at ICTAD and 10years manufacturer warranty should be provided. Method statement should provide before commence the work.				.....
	Waterproofing carried to summary				.....
				

BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
	(H) - PAINTING				
	The rate shall include for all preparation of surfaces on cleaning down smoothening knotting, stopping etc. protecting of floors and fitting removing and replacing doors and windows furniture's and cleaning windows etc. upon completion				
	Note - Without Pump House				
	Preparing surfaces and apply one coat of Alkali resistant primer and two coats of approved quality weather shield paint to external area.				
H-WTEU-1	Paint to Column & beam above 3.0m to 6.0m level.	Sq.m	30.00	.....	.....
H-WTEU-2	Paint to Column & beam from 6.0m to 9.0m level.	Sq.m	30.00	.....	.....
H-WTEU-3	Paint to Column & beam 9.0m to 12.0m level.	Sq.m	30.00	.....	.....
H-WTEU-4	Paint to 12.0m to water tank top.	Sq.m	45.00	.....	.....
	Painting Work carried to summary				
	(I) - PLUMPING WORKS				
	Rates shall include for screws, nails, pipe hooks, saddles, brackets, sockets, connectors, short length, back nuts, nipples, and the like and all holes, chasing, etc. made good in all trades and all necessary excavation and back filling	Note			
	Any special water supply and drainage fittings such as bends, tees, reducers, etc. Unless otherwise specified including in the Bill of Quantities shall be deemed to have been included in the relevant item and should accordingly be rated to include for such specials, etc. and for any Extra work involved for the satisfactory completion of such items.	Note			
	Unless otherwise stated rates for the Items following shall include uPVC pipe for water service, waste , etc. plastic piping and fittings shall comply with latest BS 3505 for uPVC pipes and BS 1922 for polyurethane pipe and should have SLS.	Note			
	Supply and fix Type 1000,uPVC pipes including all specials to wall with necessary hooks or buried under floors as per drg. / instruction. Type 600 uPVC pipes for waste water disposal and providing ventilation including all specials etc. Rate to include for excavation of trenches and backfilling where necessary.	Note			
I-WTEU-1	Supply and fixing 40mm dia Brass Ball valve "Pegler" Brand or approved equivalent.	Nrs	1.00	.....	.....

**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
I-WTEU-2	Supply and fixing 50mm dia Brass Ball valve "Pegler" Brand or approved equivalent.	Nrs	1.00	.....	.....
I-WTEU-3	Supply and fixing 110mm dia Brass Ball valve "Pegler" Brand or approved equivalent.	Nrs	1.00	.....	.....
I-WTEU-4	Supply and laying 32mm PVC pipe (PNT 14/ PN 16) with necessary fittings	L.m	4.00	.....	.....
I-WTEU-5	Supply and laying 40mm PVC pipe (PNT 14/ PN 16) with necessary fittings	L.m	22.00	.....	.....
I-WTEU-6	Supply and laying 50mm PVC pipe (PNT 14/ PN 16) with necessary fittings	L.m	22.00	.....	.....
I-WTEU-7	Supply and laying 110mm PVC pipe (PNT 14/ PN 16) with necessary fittings	L.m	22.00	.....	.....
	Plumbing Work carried to summary				
	<u>(J) - STRUCTURAL STEEL WORK</u>				
	Rate shall include for applying two coats of enamel paint (paint approved by Engineer) after treating with a coat of anticorrosive paint to all exposed of GI pipes & box bar ect.,	N ote			
J-WTEU-1	Supplying , fabricating & fixing GI pipe hand rail, consisting of 2" dia. GI pipe as hand rail and 3/4" dia. GI pipes @ 11" c/c as vertical members fixed to steps with the 4" x 1 1/2" x 12mm thick M.S. plate connecting with 2 nos of 10mm anchor bolts, work complete in order with necessary nuts & bolts. Rate Shall include for applying two coats of anti-corrosive paint and two coats of enamel paints. All sizes and details as per Drawing.	L.m	14.00	.....	.....
J-WTEU-2	Supplying , fabricating & fixing GI pipe ladder, consisting of 2" dia. GI pipe as ladder and 3/4" dia. GI pipes @ 18" c/c as horizontal members fixed to steps with the 4" x 1 1/2" x 12mm thick M.S. plate connecting with 2 nos of 10mm anchor bolts, work complete in order with necessary nuts & bolts. Rate Shall include for applying two coats of anti-corrosive paint and two coats of enamel paints. All sizes and details as per Drawing.	Nos	1.00	.....	.....
J-WTEU-3	Supplying & fixing 3mm thick 150mm width MS plate as water bar at required position (Rate including cutting, welding, fixing and ect..)	L.m	14.00	.....	.....
	Structural Steel Work carried to summary				

**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
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BILL NO:02, OVER HEAD WATER TANK CARRIED TO SUMMARY

I.No	DESCRIPTION	AMOUNT
A	CLEARING AND GRUBBING	.....
B	EXCAVATOR AND EARTH WORK	.....
C	CONCRETE WORKS	.....
D	FORM WORKS	.....
E	REINFORCEMENT	.....
F	WALL FINISHES	.....
G	WATER PROOFING	.....
H	PAINTING	.....
I	PLUMPING WORKS	.....
J	STRUCTURAL STEEL WORK	.....
BILL NO:02, OVER HEAD WATER TANK CARRIED TO SUMMARY		

**BILL OF QUANTITY FOR THE CONSTRUCT TO (10,000 L) OVER HEAD WATER TANK WITH PUMP HOUSE IN
AGRICULTURE FACULTY OF EASTERN UNIVERSITY BATTICALOA, SRILANKA.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
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BILL OF GRAND TOTAL

L.NO	DESCRIPTION OF WORK	TOTAL AMOUNT (LKR)
1	BILL NO:01 - PRELIMINARIES (AS PER ANNEX B.O.Q.) COLLECTION PAGES NO: 1 TO 2)
2	BILL NO:02 -CONSTRUCTION OF OVER HEAD (AS PER ANNEX B.O.Q.) COLLECTION PAGES NO: 3 TO 12)	.....
	TOTAL CARRIED TO SUMMARY	
	LESS PROVISIONAL SUM WORK (-)	70,000.00
	SUB TOTAL-I	
	LESS DISCOUNT(%) (If any)	
	SUB TOTAL-II	
	ADD PROVISIONAL SUM WORK (+)	70,000.00
	GRAND TOTAL (BID PRICE) -EXCLUDING VAT	

Total Amount in words:

.....

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Total Value of VAT (Rs) :

VAT Registration Number :

.....

Signature Of Bidder

Date:

.....

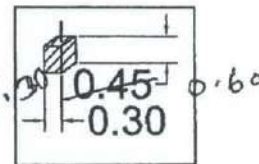
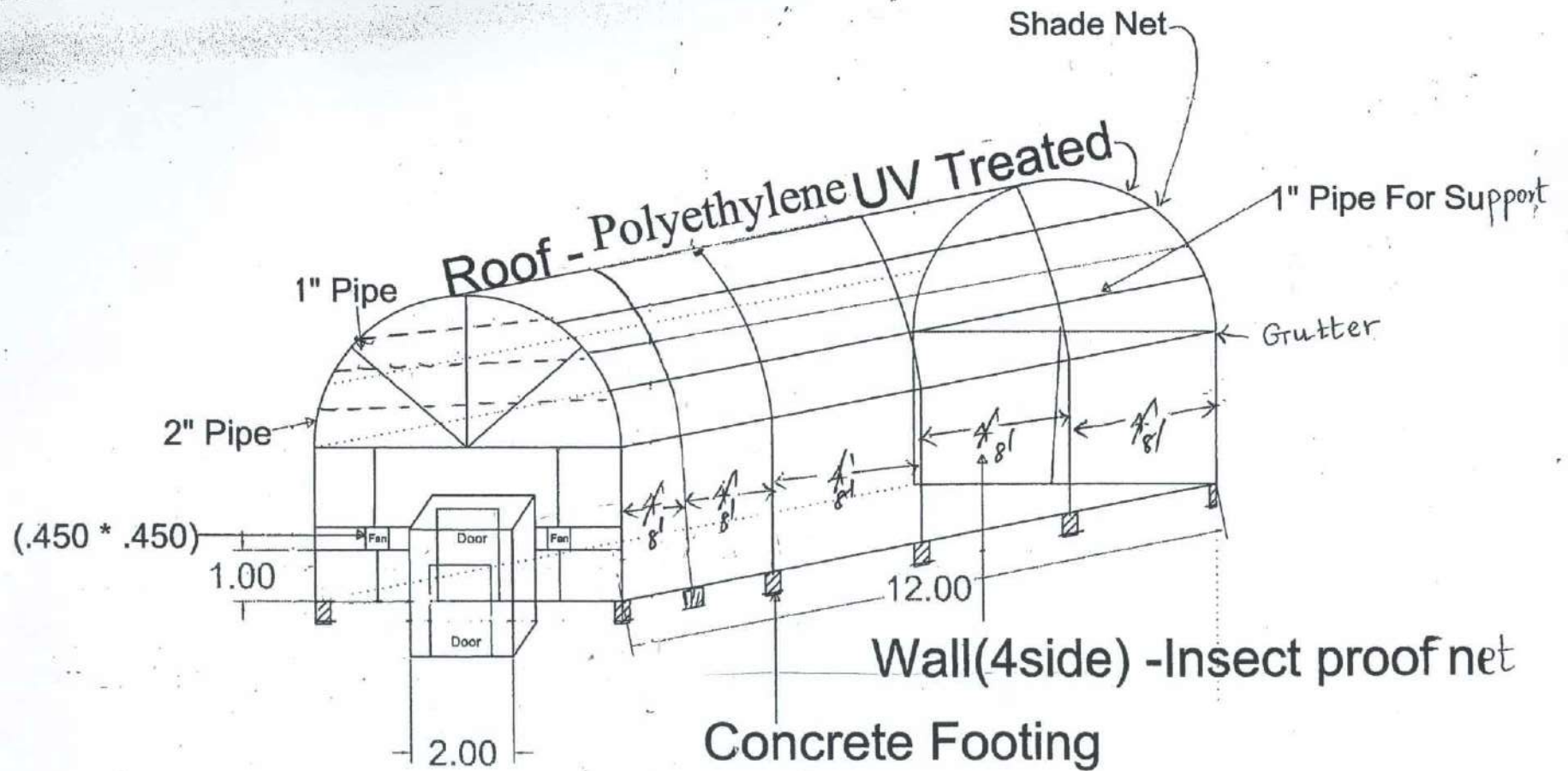
Signature Of Employer

Date:

Witness :

Address:

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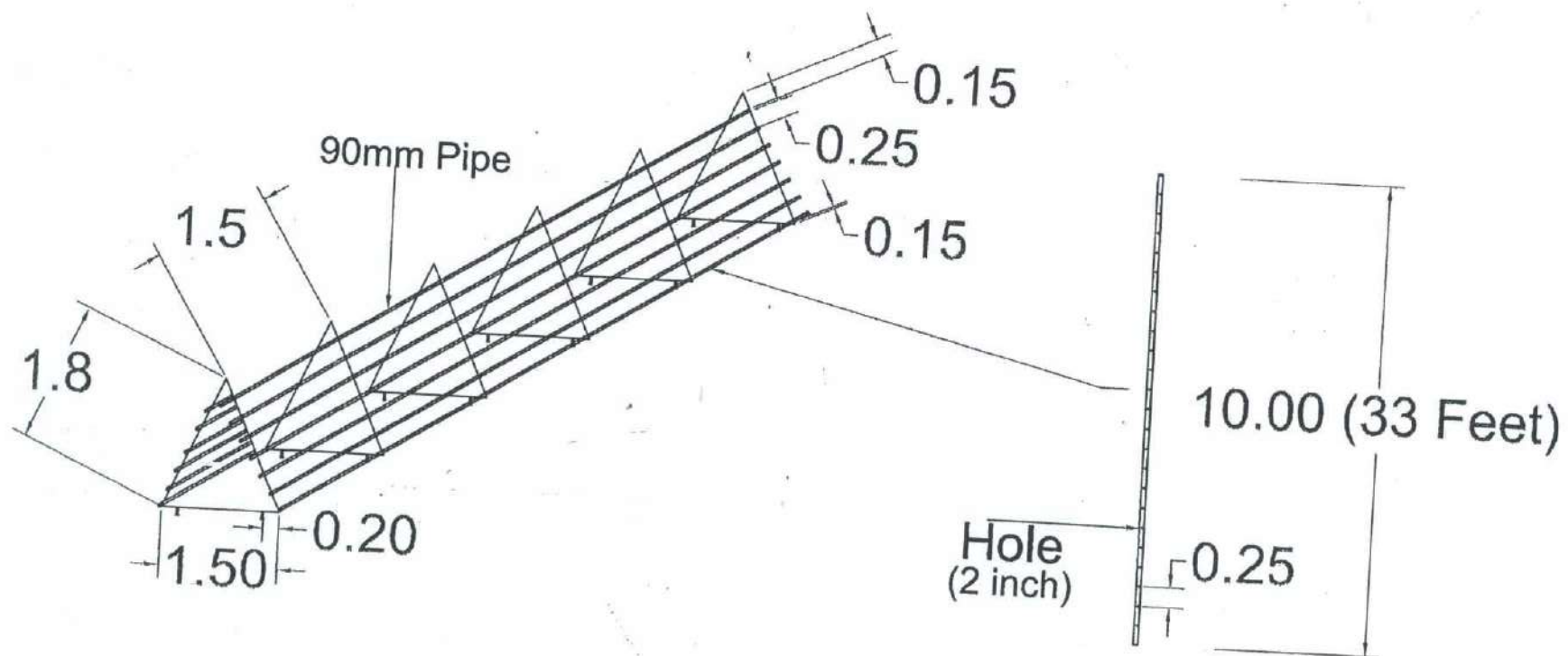
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F. 26
08/05/20

S. Srikunshrab

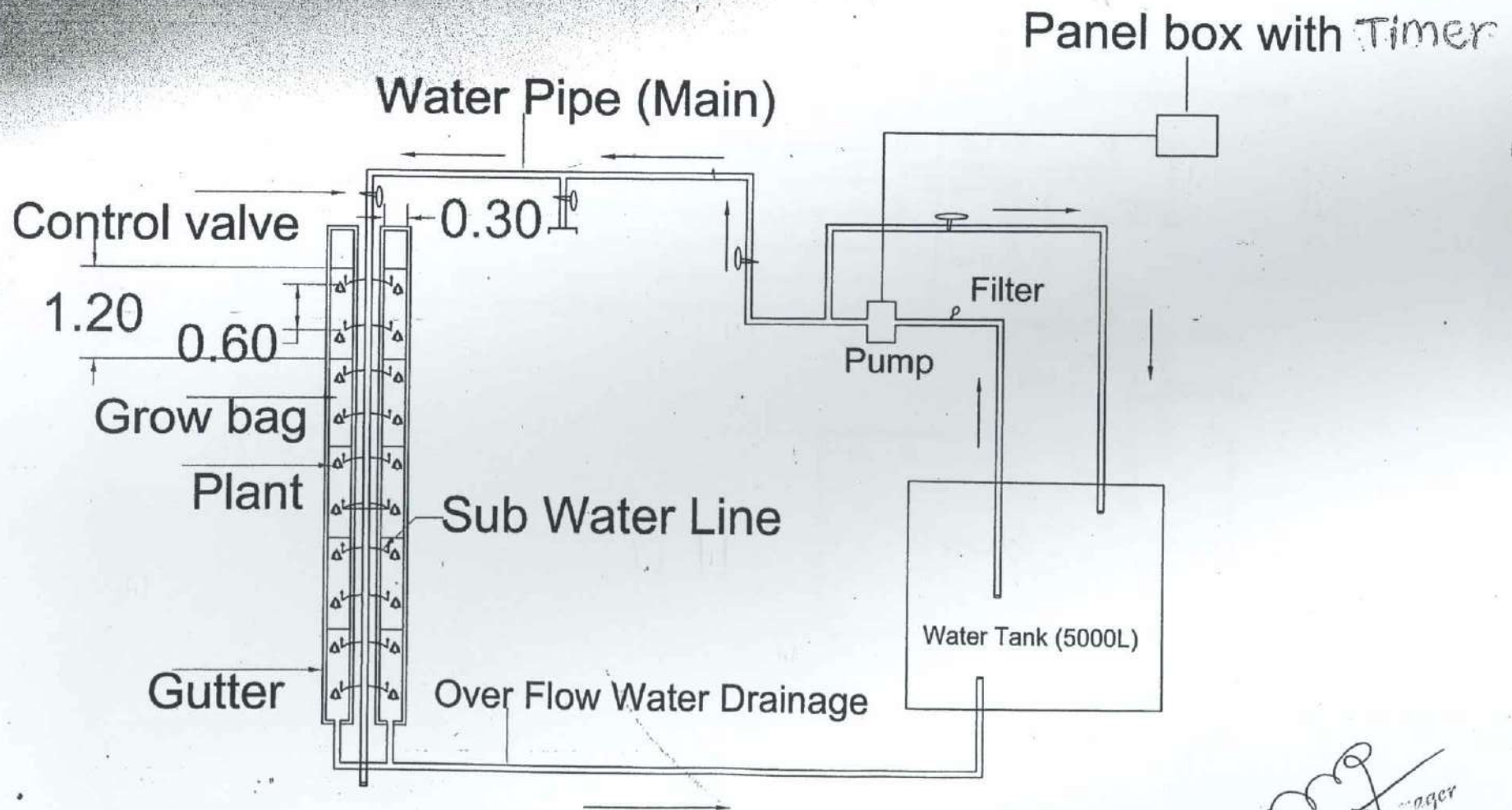
Dr. J. S. Jeyaraj
Farm
Agriculture
University

For Lettuce



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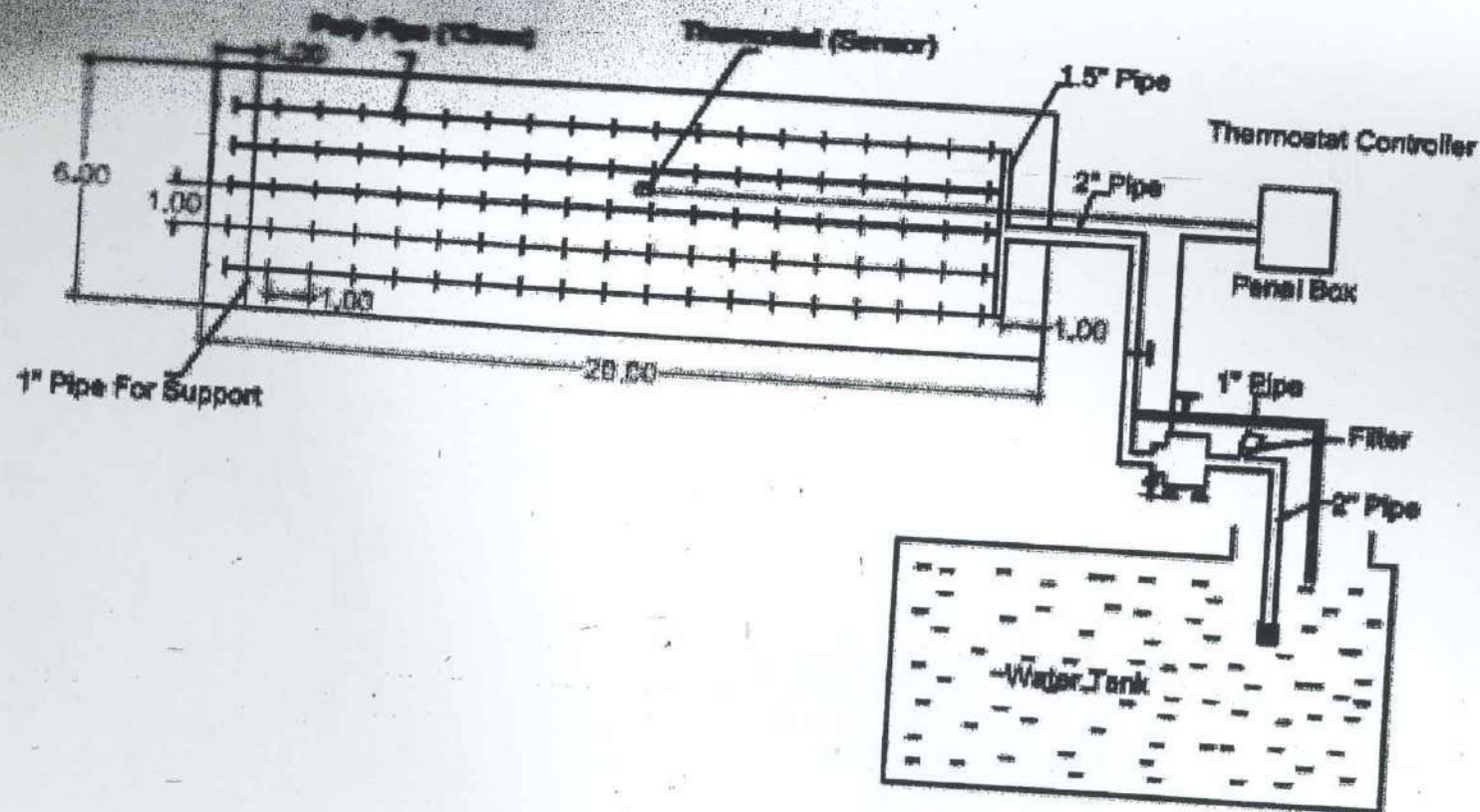
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T. 1.00
05/10/20

(S. Sankrishnan)

Manager
Farm
Agriculture
Engineering University

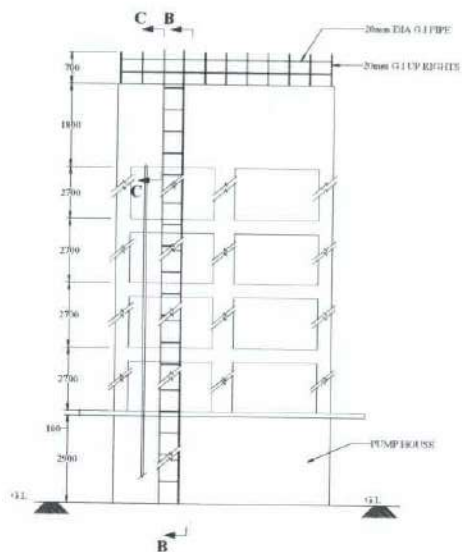


Cooling System

T. 206
08/10/20

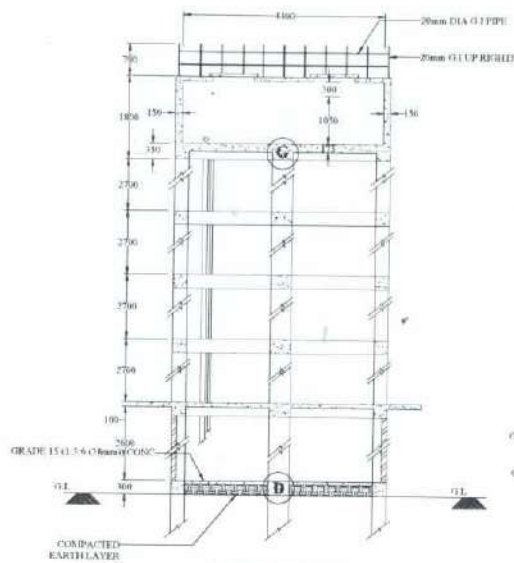
2/10/2020
(S. Srikristul)

Manager
Farm
Agriculture
University



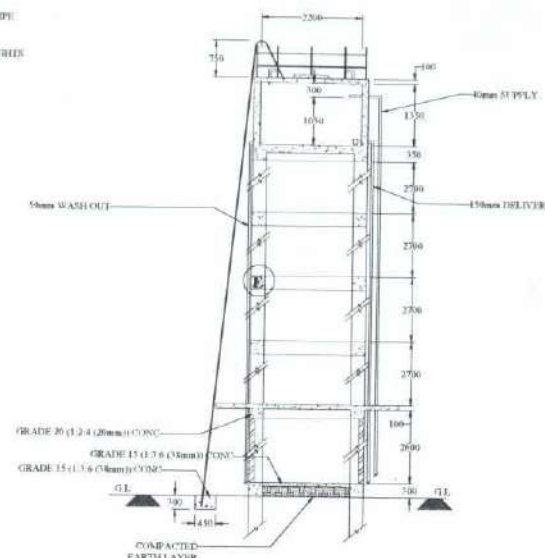
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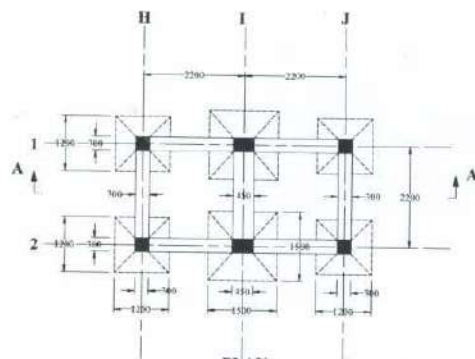
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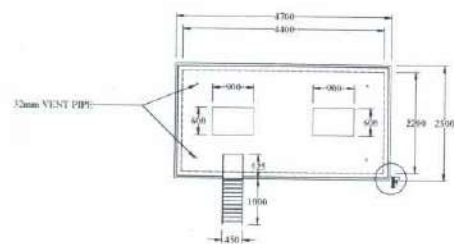
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SCALE 1:50



PLAN

SCALE 1:50



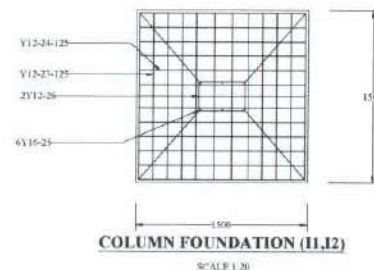
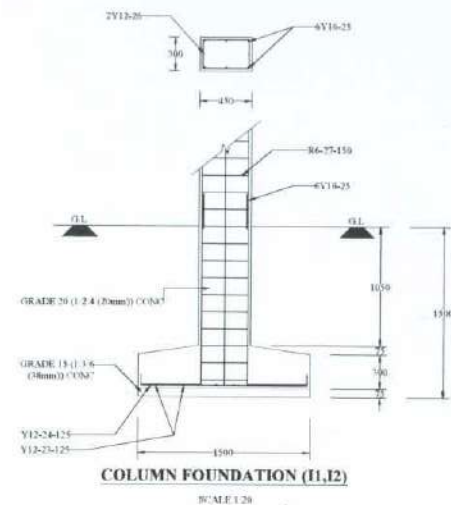
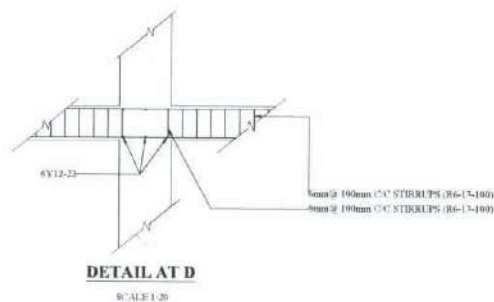
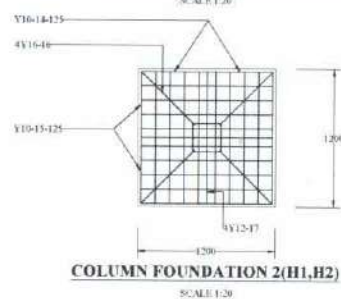
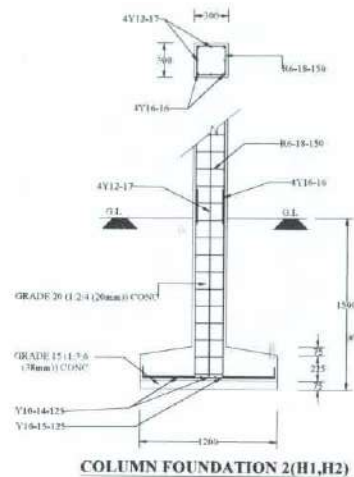
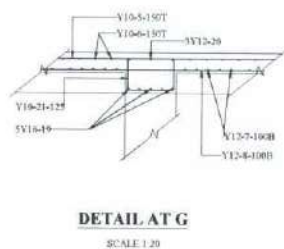
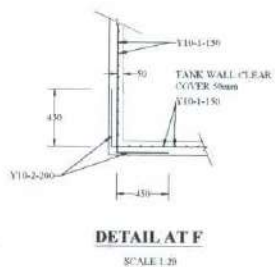
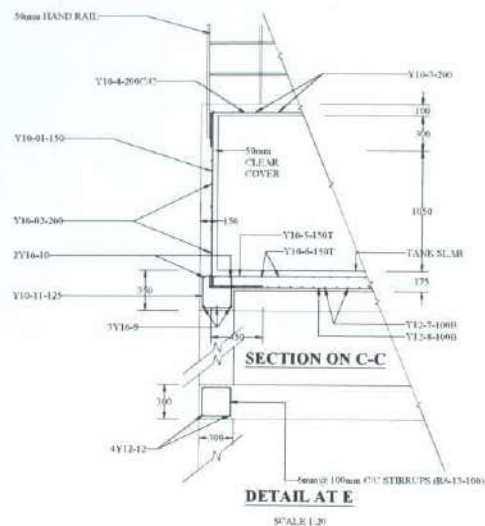
PLAN FROM ABOVE

SCALE 1:50

NOTE

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. BAR NOTATION

No. OF BARS	20 Y 20 - 16 - 225T	BAR LOCATION
STEEL TYPE		BAR SPACING
BAR SIZE		BAR MARK
3. ABBREVIATION
T - TOP FF - FAR FACE BF - BOTH FA/FE
B - BOTTOM NF - NEAR FACE
4. MATERIAL PROPERTIES
CONCRETE - GRADE 20 (1:2:4) (20mm)
CONCRETE - GRADE 15 (1:3:6) (30mm)
REINFORCEMENT - 460 N/mm² FOR STEEL
5. MINIMUM CLEAR COVER SHOULD BE 25 mm FOR COLUMNS & BEAM, MINIMUM CLEAR COVER SHOULD BE 50mm FOR TANK.
6. LAP LENGTH SHOULD BE 36 x BAR DIAMETER & LAPS SHOULD BE STAGGERED

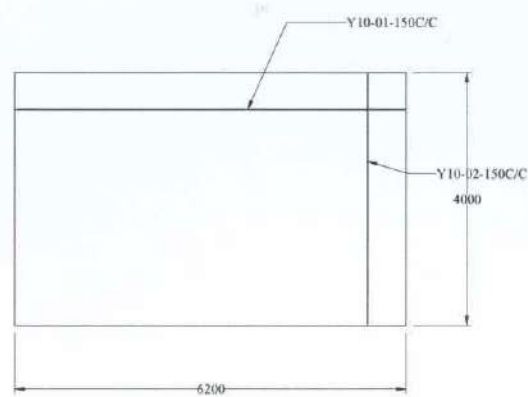
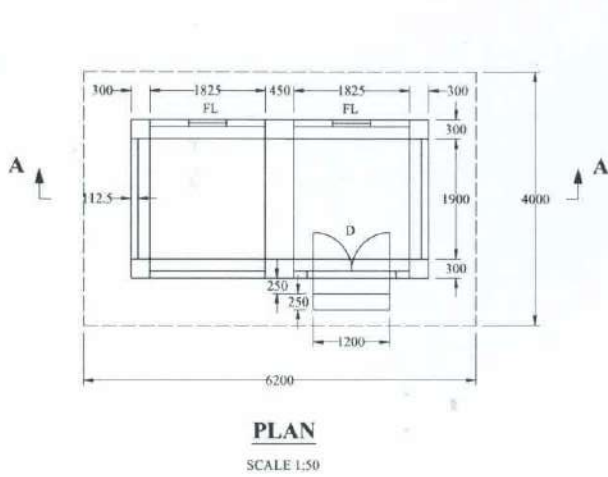
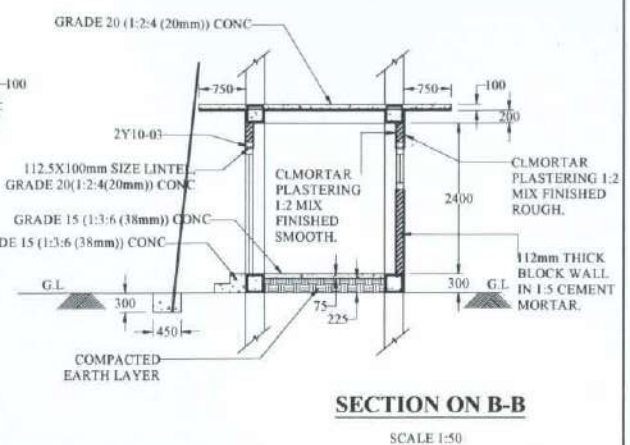
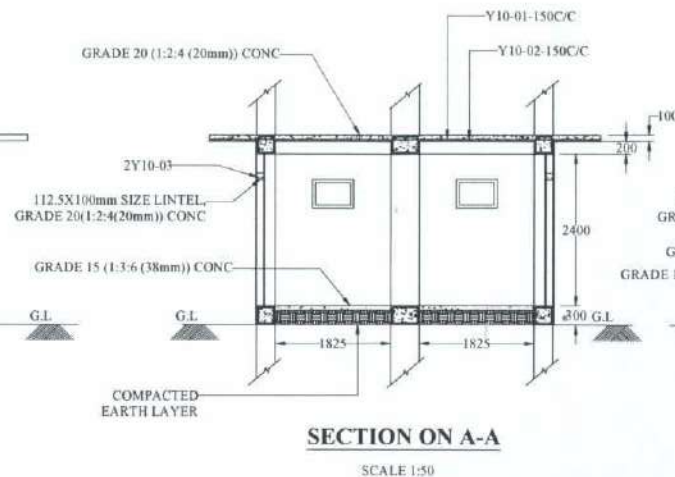
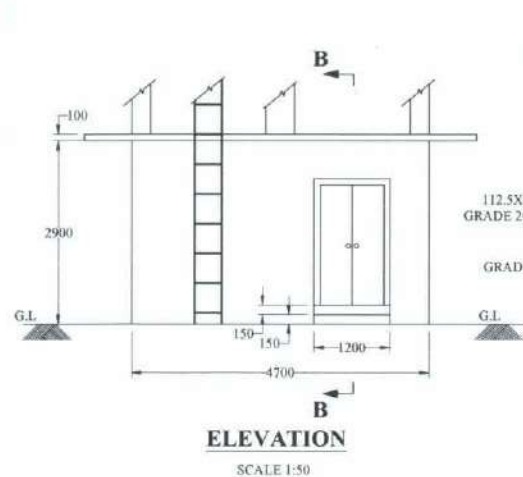


NOTE

- ALL DIMENSIONS ARE IN MILLIMETRES
- BAR NOTATION

20 Y 20	10 x 225	BAR LOCATION
20 Y 20	10 x 225	BAR SPACING
20 Y 20	10 x 225	BAR MARK
- ABBREVIATIONS
T - TOP PF - FAR FACE BF - BOTHFACE
B - BOTTOM NF - NEAR FACE
- MATERIAL PROPERTIES
CONCRETE - GRADE 20 (1:2.4 (20mm))
CONCRETE - GRADE 15 (1:3.6 (10mm))
REINFORCEMENT - 460 N/mm² FOR STEEL
- MINIMUM CLEAR COVER SHOULD BE 25 mm FOR COLUMN & BEAM. MINIMUM CLEAR COVER SHOULD BE 50mm FOR TANK
- LAP LENGTH SHOULD BE 50 x BAR DIAMETER & LAPS SHOULD BE STAGGERED

PROPOSED 10000L WATER TANK IN AGRICULTURE FACULTY OF
EASTERN UNIVERSITY BATTICALOA SRI LANKA



SCHEDULE OF DOORS, WINDOWS AND OPENINGS			
TYPE	SIZE	DESCRIPTION	QTY.
D	1200X2000	PANELED DOUBLE SLASH DOOR	01
FL	600X450	FAN LIGHT	02

NOTE

- ALL DIMENSIONS ARE IN MILLIMETRES
- BAR NOTATION

20 Y 20 - 10 - 225T

No OF BARS | BAR LOCATION
 STEEL TYPE | BAR SPACING
 BAR SIZE | BAR MARK
- ABBREVIATION
 T - TOP FF - FAR FACE BF - BOTH FACE
 B - BOTTOM NF - NEAR FACE
- MATERIAL PROPERTIES
 CONCRETE - GRADE 20 (1:2:4 (20mm))
 CONCRETE - GRADE 15 (1:3:6 (40mm))
 REINFORCEMENT - 460 N/mm² TOR STEEL
- MINIMUM CLEAR COVER SHOULD BE 25 mm FOR COLUMN & BEAM, MINIMUM CLEAR COVER SHOULD BE 50mm FOR TANK.
- LAP LENGTH SHOULD BE 50 x BAR DIAMETER & LAPS SHOULD BE STAGGERED

**PROPOSED PUMP HOUSE FOR 100001 WATER TANK IN AGRICULTURE
FACULTY OF EASTERN UNIVERSITY BATTICALOA SRI LANKA**

REFERENCE OF FARM LAYOUT PLAN	
EXISTING BUILDING AREA	
PROPOSED BUILDING AREA	
OVER HEAD TANK (1000L)	
OVER HEAD TANK (500L)	
AGRICULTURE	
STOCK WELLS	
INLET PIPE LINE FOR 1000L OVER HEAD TANK	
INLET PIPE LINE FOR 500L OVER HEAD TANK	
DISTRIBUTION PIPE LINE FOR CROP FARM & NEW BUILDING	
DISTRIBUTION PIPE LINE FOR ANIMAL FARM & NEW BUILDING	
FENCE	
ROAD	
WINDMILL	
SECURITY POINT	
SALES CENTER POINT	

INLET PLUMBING DATA TABLE FOR 1000L OVER HEAD TANK													
PIPE NAME	FR	PIPE	SOCKET	RIB	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L

INLET PLUMBING DATA TABLE FOR 500L OVER HEAD TANK													
PIPE NAME	FR	PIPE	SOCKET	RIB	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET
500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L
500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L	500L

DISTRIBUTING PLUMBING DATA TABLE FOR CROP FARM UNIT													
PIPE NAME	FR	PIPE	SOCKET	RIB	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L

DISTRIBUTING PLUMBING DATA TABLE FOR ANIMAL FARM UNIT													
PIPE NAME	FR	PIPE	SOCKET	RIB	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET	PIPE	SOCKET
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L
1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L	1000L

PLUMBING LAYOUT PLAN FOR FARM IN FACULTY OF AGRICULTURE EASTERN UNIVERSITY SRI LANKA