



**EASTERN UNIVERSITY, VANTHARUMOOLAI
SRILANKA**

**BIDDING DOCUMENT
PROCUREMENT OF WORKS**

MINOR CONTRACT

For
Accelerating Higher Education Expansion and Development Operation
(AHEAD)

Name of Work:

Faculty of Agriculture under the ELTA-ELSE Project

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

Contract No. EUSL/AHEAD/AGI/10/III

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Consist of,

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of Standard Bidding documents for Procurement of Works {(ICTAD/SBD/03), second edition – January 2007} Approved by National Procurement Agency (NPA) and Institute for Construction Training and Development (ICTAD). This publication shall be available for reference at the **Vice Chancellor, EUSL, Vantharumoolai.** and for purchase from Institute (insert name of the District) for the Construction Training and Development (ICTAD) “Sauvsiripaya”, 123, Wijerama Mawatha, Colombo-7

VOLUME II

Consist of,

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Invitation for Bids (IFB)

Section – 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

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

Gentleman,

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&C7 | |
| 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 | |
| | Category, Experience and Qualifications | Required Nos |
| | 1. Site Supervisor With one Year Experience | 01 |
| List other information required | | |

Signature of the Bidder:

Section – 5
SCHEDULE

SCHEDULE

| IT B C a u s e | Condit ions of Contra ct Clause | Item | Data |
|----------------------------------|---|---------------------------|---|
| 1. | 1.1 | Employer is: | Name: <i>Vice Chancellor</i> Address: <i>Eastern University Sri Lanka Vantharumoolai Batticaloa</i> |
| | 1.1.9 | Employer Representative: | Name: <i>-Works Engineer</i> Address: <i>Eastern University, Sri Lanka Vantharumoolai Batticaloa</i> |
| | 1.1.10 | Engineer is: | Name: <i>Deputy Director, Engineer (AHEAD Project)</i> Address: <i>Provincial Director Department of Buildings Eastern Province, Trincomalee</i> |
| | | Engineer's Representative | Name: <i>Executive Engineer</i> Address: <i>Department of Buildings Kallady, Batticaloa</i> |
| 1.. | 1.1.21 | Summary of Works | Plumbing works at Farm Premises (Crop and Animal) in Faculty of Agriculture, EUSL Located at Batticaloa Contract Number <i>EUSL/AHEAD/AGI/10/III</i> |
| 1. | 1.1.14 | Intended Completion Date | Intended Completion Date is Three Months from the Start Date |

14.0 Resolution of Disputes Fees and types reimbursable expenses to be paid to the arbitrator shall be on a case to case basis and shall be shared by the contractor and the Employer

Section – 6

SPECIFICATIONS

SPECIFICATIONS

Following standard specifications published by ICTAD to be followed.

SCA/3/2 - Water Supply Sewerage & Storm Water Drainage

SCA/4 - Building Works (Vol I)

SCA/4/II - Building Works (Vol II)

SCA/8 - Electrical & Mechanical Works

Any other Standard Specifications approved by the Government.

Section – 7

BILLS OF QUANTITIES

Section – 8

DRAWINGS

CHECK LIST FOR BIDDERS

Bidders are advised to fill the following table:

| ITEM | ITB Clause | YES (tick) | REFERENCE |
|---|---------------|---------------|-----------|
| Form of Bid | | | |
| Addressed to the Employer ? | 18 | | |
| Completed? | 18 | | |
| Signed? | 18 | | |
| Bid Security (if required) | | | |
| Addressed to the Employer ? | 16 | | |
| Format as required? | 16 | | |
| Issuing Agency as specified? | 16 | | |
| Amount and currency as requested? | 16 | | |
| Validity 28 days beyond the validity of Bid? | 16 | | |
| Qualification Information | | | |
| All relevant information completed? | 4 | | |
| Signed? | 4 | | |
| Addendum | | | |
| Contents of the addendum (if any) taken in to account? | 10 | | |
| Bid Package | | | |
| All the documents given in ITB clause 12 enclosed in the original and copy? | 12 | | |
| ITB Clause 19 followed before Sealing the Bid Package? | 19 | | |

SIGNATURE OF THE BIDDER

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. | | | | |
| | 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 | | | | |
| 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 |
|---------|-------------|------|-----|------|--------|
|---------|-------------|------|-----|------|--------|

BILL OF GRAND TOTAL

| L.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:

.....

.....

Total Value of VAT (Rs) :

VAT Registration Number :

.....

Signature Of Bidder

Date:

.....

Signature Of Employer

Date:

Witness :

Address:

.....

Bill Of Quantity For The Plumbing works at Farm Premises (Crop and Animal)
In Faculty of Agriculture, Eastern University, Sri Lanka, Paachcholai.

A1. NOTES AND PRELIMINARIES.

Note:-

This bill of quantities contains pages 03 consecutively. Please check to see that no pages missing not any in duplicate and that all **TRADES** are carried to **SUMMARY** at the end of this Bill of Quantities

A2. Specifications

All items of work are to be done strictly as shown in drawings accordance with and read and in conjunction with the Sri Lanka specification for buildings works, Electrical works, water supply and sewerage work (CITP / ICTAD publication).

The Project Director may direct a special order of work.

A3. Drawings

The following drawings listed here under and any other detail drawings referred to through out this Bill of Quantities will form a part of the contract documents.

Architectural
Structural
Structural details

General arrangement, Plans & Sections, Details of Foundation

A4. Inspection of site.

Tenderers are requested to visit the site and acquaint themselves with all existing conditions and with the nature and extent of work to be done under this contract.

As no extras will be allowed on the plea of want of information due to neglect on their part of this regard.

A5. Timber

Unless otherwise specified in the respective trades/sections, the timber for all trades shall be as specified in Carpentry & Joinery.

A6. Cement

Cement having SLS 107 or equivalent Approved by Engineer.

A7. Trade Name

Where trade names, brands and / or catalogue or equipment may be used, Provided that the characteristics of type, quality, appearance, finish method of construction and / or performance is not less than specified and provided also that approval is first obtained.

A8. Method of Measurement.

This Bill of Quantities has been provided generally in accordance with:-

(a) The principles of the Standard Method of Measurement for buildings works in Sri Lanka.
(SLS 573:1982)

(b) The S.M.M. issued by the quantity Surveying Section. Departments of Building August 1980

A9. Rates

Rates for all items shall be inclusive of the following:

(a.) All supply of materials, labour, plant, Scaffolding, waster, Incidental Materials, fixing media, Cartage, Hoisting, Fitting and fixing Complete.

(b.) Providing holes, chasing ets. as directed for electrical Installation and all other services and making good as the same as and when such installations are provided

(c.) Providing samples specimens ets for such items of work as required.

(d.) All overhead preliminary expences and profit except where otherwise stated.

(e.) Testing of all buildings materials.

(f.) Furnishing monthly 3 sets of photography for the buildings under construction form three location identified by the Engineer.

(g) Providing stable access (Temporary Stair case) Externaly from ground floor to 1 st and 2 nd floor level to transport materials, labourer & etc.

A10. Measurements:-

Tenderers are to note that the measurement are taken absolutely NET unless otherwise stated and they must, therefore, allow in their prices for all straight cutting and waste, laps ,etc through out even though not specifically mentioned.

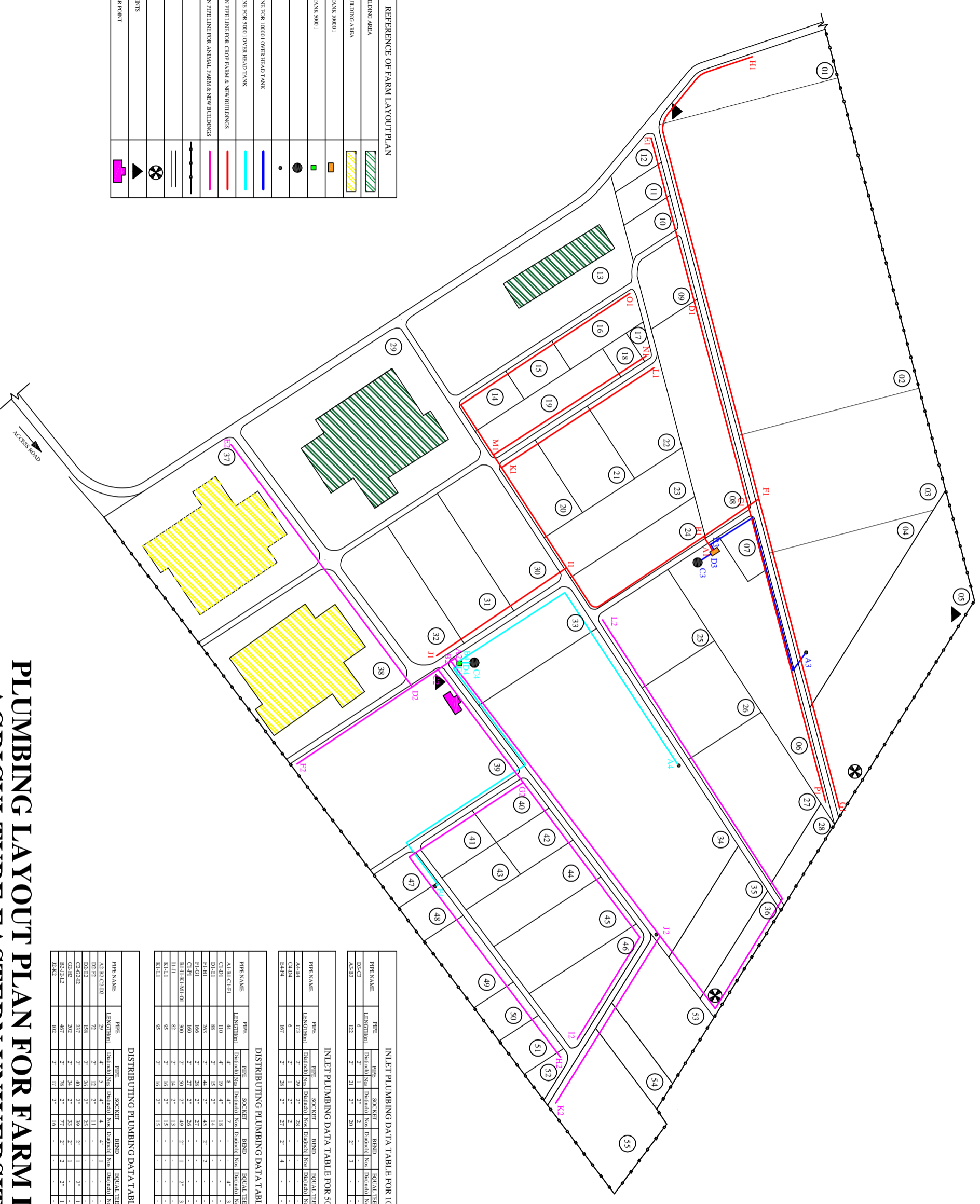
A11. Descripancies:-

Any descripancies in drawings Specifications, Bill of Quantities or any other documents should be brought to the notice of the Employer before tendering.

A12. Payments:-

Payments shall be made on actual quantity of work carried out at the site as per Contract. The quantities given in the bill of quantities are approximate.

Attention of the tendered is drawn to the requirements of contract, the specifications and any other Particulars of the tender It is the tenderers responsibility to see that his prices include for and any complying with all the requirements of the conditions of contract and any outer documents whether specifically referred to in the bill of quantities or not.



REFERENCE OF FARM LAYOUT PLAN

| | |
|--|--|
| EXISTING BUILDING AREA | |
| PROPOSED BUILDING/AREA | |
| OVER HEAD TANK 10000l | |
| OVER HEAD TANK 5000l | |
| AGRO WELL | |
| TUBE WELL | |
| INLET PIPE LINE FOR 10000l OVER HEAD TANK | |
| INLET PIPE LINE FOR 5000l OVER HEAD TANK | |
| DISTRIBUTION PIPE LINE FOR CROP FARM & NEW BUILDINGS | |
| DISTRIBUTION PIPE LINE FOR ANIMAL FARM & NEW BUILDINGS | |
| FENCE | |
| ROAD | |
| WIND FAN | |
| SECURITY POINTS | |
| SALES CENTRE POINT | |

INLET PLUMBING DATA TABLE FOR 10000l OVER HEAD TANK

| PIPE NAME | PIPE | PIPE | SOCKET | BRSD | EQUAL TEE | REDUCING TEE | REDUCER | ELBOW | END CAP | GATE VALVE |
|-----------|--------|------|--------|------|-----------|--------------|---------|-------|---------|------------|
| | LENGTH | NO. | | | | | | | | |
| D3-C3 | 6 | 2 | 2 | 2 | 3 | - | - | - | - | - |
| A3-B3 | 123 | 2 | 2 | 2 | 3 | - | - | - | - | - |

INLET PLUMBING DATA TABLE FOR 5000l OVER HEAD TANK

| PIPE NAME | PIPE | PIPE | SOCKET | BRSD | EQUAL TEE | REDUCING TEE | REDUCER | ELBOW | END CAP | GATE VALVE |
|-----------|--------|------|--------|------|-----------|--------------|---------|-------|---------|------------|
| | LENGTH | NO. | | | | | | | | |
| A4-B4 | 173 | 2 | 2 | 2 | 2 | - | - | - | - | - |
| C4-D4 | 6 | 1 | 2 | 2 | 2 | - | - | - | - | - |
| E4-F4 | 167 | 2 | 2 | 2 | 2 | 4 | - | - | - | - |

DISTRIBUTING PLUMBING DATA TABLE FOR CROP FARM UNIT

| PIPE NAME | PIPE | PIPE | SOCKET | BRSD | EQUAL TEE | REDUCING TEE | REDUCER | ELBOW | END CAP | GATE VALVE |
|-----------|--------|------|--------|------|-----------|--------------|---------|-------|---------|------------|
| | LENGTH | NO. | | | | | | | | |
| A1-B1 | 41 | 4 | 8 | 4 | 3 | 4 | 2 | - | - | - |
| C1-D1 | 110 | 4 | 19 | 4 | - | - | - | - | - | - |
| E1-F1 | 305 | 2 | 44 | 2 | 2 | - | - | - | - | - |
| G1-H1 | 166 | 2 | 28 | 2 | 2 | - | - | - | - | - |
| I1-J1 | 160 | 2 | 27 | 2 | 2 | - | - | - | - | - |
| K1-L1 | 300 | 2 | 50 | 2 | 4 | 3 | - | - | - | - |
| M1-N1 | 82 | 2 | 14 | 2 | 1 | - | - | - | - | - |
| O1-P1 | 95 | 2 | 16 | 2 | 1 | - | - | - | - | - |
| Q1-R1 | 96 | 2 | 16 | 2 | 1 | - | - | - | - | - |

DISTRIBUTING PLUMBING DATA TABLE FOR ANIMAL FARM UNIT

| PIPE NAME | PIPE | PIPE | SOCKET | BRSD | EQUAL TEE | REDUCING TEE | REDUCER | ELBOW | END CAP | GATE VALVE |
|-----------|--------|------|--------|------|-----------|--------------|---------|-------|---------|------------|
| | LENGTH | NO. | | | | | | | | |
| A2-B2 | 20 | 4 | 5 | 4 | 1 | - | - | - | - | - |
| C2-D2 | 72 | 2 | 12 | 2 | 1 | - | - | - | - | - |
| E2-F2 | 158 | 2 | 26 | 2 | 1 | - | - | - | - | - |
| G2-H2 | 217 | 2 | 40 | 2 | 1 | - | - | - | - | - |
| I2-J2 | 202 | 2 | 34 | 2 | 1 | - | - | - | - | - |
| K2-L2 | 402 | 2 | 78 | 2 | 2 | - | - | - | - | - |
| M2-N2 | 103 | 2 | 17 | 2 | 1 | - | - | - | - | - |
| O2-P2 | 103 | 2 | 17 | 2 | 1 | - | - | - | - | - |

SCALE :- 1:1000

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