

**PROPOSED IMPROVEMENT AND
MODIFICATION OF CLASS ROOMS (SECTION B)
IN
SRI LANKA INSTITUTE OF TEXTILE &
APPAREL (SLITA)**

BIDDING DOCUMENT

The Employer

Sri Lanka Institute of Textile & Apparel
Kadewala Estate, No.2,
Gen. Sir John Kotalawela Road,
Ratmalana.

October 2023

The Engineer

Synergo Consultants (Pvt) Limited
9A, Sarasavi Udyanaya, Nugegoda,
Sri Lanka

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VOLUME 1

SECTION 1
INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

The text of this 'Instructions to Bidders is found in the "Standard Bidding Document Procurement of Works", CIDA Publication No. ICTAD/SBD/02 – Second Edition – January 2007.

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Construction Industry Development Authority

'Savsiripaya'

123, Wijerama Mawatha

Colombo-07

This has to be read in conjunction with Section 2 – 'Bidding Data' of this Bidding Document. Wherever the Clauses of the Section 1 – 'Instructions to Bidders have to be modified and/or supplemented, it is done through the text in the Section 2 – 'Bidding Data'.

SECTION 3
CONDITIONS OF CONTRACT

CONDITIONS OF CONTRACT

The text of this Conditions of Contract is found in the “Standard Bidding Document Procurement of Works”, CIDA Publication No. ICTAD/SBD/02 – Second Edition – January 2007.

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This has to be read in conjunction with Section 4 – ‘Contract Data’ of this Bidding Document. Wherever the Clauses of the Section 3 – ‘Conditions of Contract to be modified and/or supplemented, it is done through the text in the Section 4 – ‘Contract Data’.

SECTION 5

STANDARD FORMS (CONTRACT)

- **Letter of Acceptance**
- **Agreement**
- **Performance Security**
- **Advance Payment Security**

FORM OF LETTER OF ACCEPTANCE

[Letter head paper of the employer]

..... *[date]*

[LETTER HEADING PAPER OF THE PROCURING ENTITY]

To: *[name and address of the Contractor]*

This is to notify you that your bid dated*[insert date]* for the construction and remedying defects of the *[name of the Contract and identification number]* for the Contract price of *[name of currency]*.....*[amount in figures and words]* as corrected in accordance with Instructions to Bidders and/ or modified by a Memorandum of understanding, is hereby accepted.

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

The Commencement Date shall be: *(fill the date as per Clause 8.1 of Conditions of Contract)*.

The amount of Performance Security is: *(fill the amount as per Clause 4.2 of Conditions of Contract)*.

The Performance Security shall be submitted on or before..... *(fill the date as per Clause 4.2 of Conditions of Contract)*.

Authorized Signature :

Name and title of Signatory :

FORM OF AGREEMENT

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

Whereas the Employer desires that the Contractor execute (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.
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.

.....

Authorised signature of Contractor

COMMON SEAL

.....

Authorised 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)

_____ *[Issuing Agency's Name, and Address of Issuing Branch or Office]* _____

Beneficiary: The Director General,
Sri Lanka Institute of Textile & Apparel (SLITA)
Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

Date: _____

PERFORMANCE GUARANTEE NO: _____

We have been informed that _____ *[name of the contractor]* (hereinafter called "the Contractor") has entered into Contract No. _____ *[reference number of the Contract]* dated _____ with you, for the _____ *[insert "construction"]* of _____ *[name of Contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we _____ *[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of _____ *[name in figures]* (_____) *[amount in words]*, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than theday of, 20.... *[insert date, 28 days beyond the time for Completion of Defects Notification Period]* and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

.....[Name and address of Agency, and Address of Issuing Branch or Office].....

Beneficiary: The Director General,
Sri Lanka Institute of Textile & Apparel (SLITA)
Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

Date:

ADVANCE PAYMENT GUARANTEE No:

We have been informed that[name of Contractor] (hereinafter called “the Contractor”) has entered into Contract No. [reference number of the contract] dated with you, for theconstruction of [name of contract and brief description] (hereinafter called “the Contract”).

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum[amount in figures] (.....) [amount in words] is to be made against an advance payment guarantee.

At the request of the Contractor, we.....[name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] (.....) [amount in words]⁵¹ upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the Advance Payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This guarantee shall expire on[insert the date, 28 days beyond the Time of Completion]

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

.....
[signature(s)]

VOLUME 2

SECTION 2
BIDDING DATA

BIDDING DATA

Instructions to Bidders

Clause

Reference

1.1 Employer's Name and Address

Name: Director General, Sri Lanka Institute of Textile & Apparel (SLITA)
Address: Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

1.1 Scope of Works

The Project consists of improvement and modification of class rooms in existing academic building including RCC structure, masonry work, steel roof structure & roof covering, internal & external wall plaster as per the drawings and specifications. (Excluding finishes, metal works, doors and windows, MEP works, external works)

Located at: Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

1.2 Time for Completion

The Time for Completion for the works shall be 12 months

2.1 Source of funds

The source of funds is Sri Lanka Institute of Textile & Apparel (SLITA)

3.1, 3.2, 4.1

Qualification Information

The following information shall be provided in Section 9- Schedules:

- CIDA registration(If available)
Registration number
- Grade
- Specialty
- Expiry date
- VAT registration number.....
- Attach legal status (Sole proprietor, Partnership, Company etc.)
- Attach authentication for signatory
- Total monetary value of construction work performed for each of the last five years
- Experience in works of a similar nature, complexity and magnitude during last five years with documentary evidence. The bidder shall submit the following document as supporting document in order to substantiate his experience.
Letter of Acceptance
Certified copy of the agreement

Completion Certificate

Performance certificate issued by client

- Construction equipment
- Qualifications and experience of Key Site Management, Project Management and Technical Personnel proposed for Contract with documentary evidence
- Detailed comprehensive method statement with a resource schedule
- Attach detailed Construction Programme on MS Project with critical path.
- Details of credit facilities
- Attach authentication for signatory with a registered power of attorney.

4.1 (a) CIDA registration required

The registration required:

Specialty - Building

Grade - C4 & above

4.2 (a) Average annual volume of construction work performed in last 5 years

Average annual volume of construction work performed in last five years shall be at least Rs 240Million.

Bidders shall be required to submit audited financial reports for the last five years

4.2 (c) Essential equipment

Proposals for the timely acquisition (own, lease, hire, etc.) of the following essential equipment shall be:

| Type | No. | Capacity |
|-------------------|-----|----------|
| 1. Truck Mixer | 1 | 5m3 |
| 2. Poker Vibrator | 2 | 25mm |
| 3. Wheel Loader | 2 | 1 1/2m3 |
| 4. Mobile Crane | 1 | 10T |
| 5. Hoist | 1 | 2.5T |
| 6. Generator | 1 | 10 KV |

4.2 (d) Qualifications and experience of the Contract Manager

| | |
|---------------------------|--|
| Site Engineer (1 No) | B.Sc. (Civil Engineering) Degree + 10 years' experience |
| M&E Engineer (1 No) | B.Sc. (M&E Engineering) Degree + 5 years' experience in similar project |
| Quantity Surveyor (1 No) | B.Sc. (QS) + 1 year experience / Technical Member of IQSSL with 2 years' experience / NCT (QS) + 10 years' site experience |
| Technical Officer (2 Nos) | NDT or equivalent + 4 years' experience / NCT + 10 years' experience |

4.2 (e) Liquid assets and /or credit facilities required

The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, shall be not less than Rs. 40.M

Bidders shall be required to submit documentary evidence to prove the availability of liquid assets.

4.2(f) Availability of Working Capital

Documentary proof to establish the availability of working capital for the works in hand should be furnished.

10.1 Clarification of Bidding Documents

Engineer's address for clarification of bidding documents is

Name : Synergo Consultants (Pvt) Limited
Address : 9A, Sarasavi Udyanaya, Nugegoda, Sri Lanka.
Phone : +94117 208907, Fax: +94112 199 175
Email : synergoconsultants@ymail.com

13.1(A) (j) Documents comprising the Bid

Vol 1 – Instructions to Bidders

Conditions of Contract

Standard Forms (Contract)

Vol 2 – Bidding Data

Contract Data

Specifications

Form of Bid

Bill of Quantities

Schedules

Drawings

Standard Forms

13.1 (B) (d) Additional information is;

1. Methodology Statement - an outline statement of the methods proposed for the construction of the Works giving sufficient details of Bidder's intended methodology and criteria, general scheme, programme for the execution of the Works.
2. Construction Programme - a programme, in bar chart or network form, showing the sequence of construction and completion date(s) for the Works or parts thereof.
3. A list of plant and machinery which the Bidder intends to use in the execution of the Works, with type of plant or machinery, capacity, year of manufacture, country of origin and availability of spare parts, details of guarantees and warranties
4. Resources (manpower, equipment, etc.) upon which the Construction Programme is based.
5. Organisation Chart - a chart showing the proposed site staff and management organisation for the work and the numbers of supervisors and labour including those to be employed by the sub-contractors (reflected in the Construction Programme).
6. Schedule of Sub-Contractors and suppliers - a list of proposed sub-contractors and suppliers, including local firms, with particulars of the work which shall be undertaken by them.
7. Schedule of Material Sources - The proposed sources of local naturally occurring materials and aggregates.
8. Schedule of submittals (reflected in the Construction Programme).
9. Details of ready mix concrete supplier
10. Quality assurance programme
11. Health and safety programme
12. Site layout showing temporary buildings such as stores, office, etc
13. Other Documents: any other documentation required to clarify the submission.

14.1 Basis of Bid

The Contract shall be Measure and Pay Fixed Rate Type of Contract

14.4 Adjustments for change in cost

The Contract is **subjected** to price adjustment

15.1 Currency of Bid

The Tender shall be quoted only in Sri Lankan Rupees (LKR)

16.1 Period of Bid validity:

The Bid shall be valid up to 91 days from the date of closing of the Bid

17.1 The amount of Bid Security

The Amount of Bid Security is Sri Lankan Rupees: 2,000,000.00

17.2 Validity of Bid Security

The Bid Security shall be valid up to 91 days beyond the validity of bid and issued by an agency acceptable to Employer. The agencies acceptable to Employer are commercial banks operating in Sri Lanka approved by the Central Bank of Sri Lanka.

19.1 Pre-Bid meeting

Pre Bid meeting will be held

Date : 13.11.2023

Time: 10.00a.m.

Venue; Board Room – SLITA, Kandawala Estate, No.2, Gen. Sir John Kotalawela Road,
Ratmalana.

21.2 (a) Employer's Address for Bid submission

Employer's address for the purpose of bid submission is

Name: Director General, Sri Lanka Institute of Textile & Apparel (SLITA)
Address: Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.
Emails: training@slita.ac.lk
Facsimile: +94 11 263 6337 +94 11 262 2897

22.1 Deadline for submission of Bids

The deadline for submission of Bids: 14.00 hrs on 21.11.2023

25.1. Bid opening

The Bids will be opened

Date 21.11.2023

Time: 14.00 hrs

Venue; Sri Lanka Institute of Textile & Apparel (SLITA), Kandawela Estate No 2, General Sir

Jhone Kotalawala Road, Ratmalana, Sri Lanka

31.1 Preference for Domestic Bidders

Not Applicable

32 Award

Not Applicable

35.1 Amount of Performance Security

The Standard Form of Performance Security acceptable to the Employer shall be a Guarantee from any commercial bank operating in Sri Lanka and approved by Central Bank of Sri Lanka.

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

The performance Security Shall be valid until 28 days beyond the expected completion date of the Defect Liability Period

37 Dispute Adjudication Board (DAB)

37.1 Within 28 days from the Commencement Date each of the Parties shall appoint one member to serve on the dispute Adjudication Board (DAB). The Parties shall consult both these members and shall agree upon the third member, who shall be appointed to act as the chairman.

If either Party fails to nominate a member to the DAB or the Parties fail to agree upon the third member or the Parties fail to agree on the appointment of a replacement person to the DAB, then upon the request of either or both Parties the Construction Industry Development Authority (CIDA) shall appoint the relevant member to the DAB.

SECTION - 4
CONTRACT DATA

CONTRACT DATA

Conditions of

Contract Clause

Number/s

1.1.2.2 & 1.3 Employer's Name and Address

Name: Director General, Sri Lanka Institute of Textile & Apparel (SLITA)
Address: Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.
Emails: training@slita.ac.lk
Facsimile: +94 11 263 6337+94 11 262 2897

1.3 Contractor's name and Address

Name:

Address:

.....

.....

1.1.2.4 & 1.3 Engineer's name and Address

Name : Synergo Consultants (Pvt) Limited
Address : 9A, Sarasavi Udyanaya, Nugegoda, Sri Lanka.
Phone : +94117 208907, Fax: +94112 199 175
Email : synergoconsultants@ymail.com

1.1.2.9 Replace existing Clause 1.1.2.9 with followings;

“Dispute Adjudication Board” (DAB) means three person appointed under Sub Clause 19.2 (Appointment of Dispute Adjudication Board) or Sub Clause 19.3 (Failure to Agree on the Composition of Dispute Adjudication Board) of the Condition of Contract.

1.1.3.3 Time for Completion of the Works

The Time for Completion for the works shall be 12 months

1.1.3.7 Defects Notification Period

Defects Notification Period is 365 Days

2.1 Right of access to the Site:

14 Days after Letter of Acceptance

3.1 Engineer's Duties and Authority

The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub-Clauses of these Conditions

- a. Clause 13.3 - Variation Procedure
- b. Clause 4.4 - Subcontractors
- c. Clause 5.0 - Nominated Subcontractors
- d. Clause 8.4 - Extension of Time for Completion
- e. Clause 8.8 - Suspension of Work
- f. Clause 8.11 – Prolonged Suspension
- g. Clause 10 - Employer's Taking Over
- h. Clause 11.3 – Extension of Defects Notification Period
- i. Clause 11.8 - Performance Certificate
- j. Clause 13.6 - Adjustments in Changes in Legislation
- k. Clause 16.4 - Payment on Termination

Notwithstanding any obligations set out elsewhere in this Contract to obtain approval from the Employer, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties or responsibilities under the Contract, instruct the Contractor to execute all such work or to do such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.

4.1 Contractor's General Obligations– add the followings

The Contractor shall comply with all notices required by any Act of Parliament or any Statute of Provincial Council or by any Regulation or By Law of any local authority or any public service company or authority of which has jurisdiction with regard to the works or with whose system the same are or will be connected, and shall pay and indemnify the Employer against any fees or charges (including any rates or taxes) legally demandable under such Act of Parliament, Statute of Provincial Council Regulation or By Law in respect of the works.

Any payment made by the Contractor to the Central Environmental Authority in connection with noise pollution etc. shall not be considered as fees and charges payable to him by the Employer under this Clause and they shall be deemed to be included in the rates quoted by the Contractor in his priced Bills of Quantities.

- 4.2 Amount of Performance Security**
5% of the Initial Contract Price, in the currencies and proportions in which the Contract Price is payable. The acceptable form is **on demand Unconditional Bank Guarantee**. Obtained from any commercial bank operating in Sri Lanka and approved by Central Bank of Sri Lanka.
- 8.7 Liquidated damages for the Works**
Rupees 60,000.00 per Day
- 8.7 Maximum amount of liquidated damages**
10% of the Initial Contract Price
- 12.2 (b) Method of Measurement**
The Method of Measurement shall be Method of Measurement of Building Works (First Revision) Sri Lanka Standard SLS 573:1999 with minor modifications and as adopted in the Bills of Quantities.
- 13.4(b) Percentage for Adjustment of Provisional Sums**
Not Applicable
- 13.7 Weightings of Inputs**

Non – adjustable element shall be – Preliminaries & Provisional Sums

14.2 Total Advance Payment

20% of the Initial Contract Price excluding provisional sums and contingencies

The Advance Payment guarantee shall be **on demand Unconditional Bank Guarantee**. Obtained from any commercial bank operating in Sri Lanka and approved by Central Bank of Sri Lanka.

14.3(c) Percentage of Retention

10% of value of work done

14.3(c) Limit of Retention Money

5 % of the Contract Price including all variations, if any

14.5 Minimum amount of Interim Payment Certificate

50 % of the average monthly value of the Contract

14.8 Alternative method for Payment of Retention

Not Applicable

18.2 Third Party Insurance

The Amount of insurance per occurrence is: Rupees 5,000,000.00

The insurance policy shall be structured to include Insurance for Employer's and Engineer's personals.

19.0 Claims, Dispute and Arbitration

19.1 Contractor's Claim

Add the followings:

If the contractor fails to give notice of Claim within said period of 28 Days the Time for Completion shall not be extended. And also, the contractor shall not be entitled to any additional payment and the employer shall be discharged from all liabilities in connection with the Claim. The contractor shall not be entitled for any additional cost for the period where there are concurrent delays to the Time for Completion

Delete sub clause 19.2, 19.3, 19.4, 19.5 and replace with followings;

19.2 Appointment of the Dispute Adjudication Board

Any dispute of whatever nature arising out of or in relation to this agreement shall in the first instance be referred to a dispute adjudication board (DAB) for decision in accordance with sub-clause 19.4 [Obtaining Dispute Adjudication Board's Decision]. The parties shall appoint a DAB within 28 Days from the Commencement Date.

The DAB shall comprise, three suitably qualified persons (“the members”), who shall be professionals experienced in the type of construction involved in the Work and with the interpretation of contractual documents, one of whom shall serve as chairman.

Within 28 days from the Commencement date each of the parties shall appoint one member to serve on the Dispute Adjudication Board (DAB). The Parties shall consult both these members and shall agree upon the third member, who shall be appointed to act as the chairman.

The agreement between the Parties and each of the three members shall incorporate by reference the General Conditions of Dispute Adjudication Agreement contained in the Appendix to these Contract Data, with such amendments as are agreed between them.

The terms of the remuneration of the three members, including the remuneration of any expert whom the DAB consults, shall be mutually agreed upon by the Parties when agreeing the terms of appointment of the member or such expert (as the case may be). Each Party shall be responsible for paying one-half of this remuneration.

If a member decline to act or is unable to act as a result of death, disability, resignation or termination of appointment, a replacement shall be appointed in the same manner as the replaced or agreed upon, as described in this Sub-Clause.

The appointment of any member may be terminated by mutual agreement of both Parties, but not by the Employer or the Contractor acting alone. Unless otherwise agreed by the Parties, the appointment of the DAB (including each member) shall expire when the discharge referred to in Sub-Clause 14.11 [Discharge] shall have become effective.

19.3 Failure to Agree on the Composition of the Dispute Adjudication Board.

If any of the following conditions apply, namely:

- (a) either Party fails to nominate a member of a DAB by such date,
- (b) the Parties fail to agree upon the appointment of the third member (to act as chairman) of the DAB by such date, or
- (c) the Parties fail to agree upon the appointment of a replacement person within 42 Days after the date on which the one of the three members declines to act or is unable to act as a result of death, disability, resignation or termination of appointment,

Then Institute for Construction Training and Development (ICTAD) shall, upon the request of either or both of the Parties and after due consultation with both Parties, appoint this member of the DAB. This appointment shall be final and conclusive. Each Party shall be responsible for paying one-half of the expenses/disbursements incurred by ICTAD.

19.4 Obtaining Dispute Adjudication Board’s Decision.

If a Dispute (of any kind whatsoever) arise between the Parties in connection with, or arising out of, the Contract or the execution of the works, including any dispute as to any certificate, determination, instruction, opinion or valuation of the Engineer, either Party may refer the dispute in writing to the DAB for its decision, with copies to the other Party and the Engineer. Such reference shall state that it is given under this Sub-Clause.

The DAB shall be deemed to have received such reference on the date when it is received by the chairman of the DAB.

Both Parties shall promptly make available to the DAB all such additional information, further access to the Site, and appropriate facilities, as the DAB may require for the purposes of making a decision on such dispute. The DAB shall be deemed to be not acting as arbitrator(s).

Within 84 Days after receiving such reference, or within such other period as may be proposed by the DAB and approved by both Parties, the DAB shall give its decision, which shall be reasoned and shall state that it is given under this Sub-Clause. The decision shall be binding on both Parties, who shall be promptly give effect to it unless and until it shall be revised in an amicable settlement or an arbitral award as described below. Unless the Contract has already been abandoned, repudiated or terminated, the Contractor shall continue to proceed with the Works in accordance with the Contract.

If either Party is dissatisfied with the DAB's decision, then either Party may, within 28 Days after receiving the decision, give notice to the other Party of its dissatisfaction and intention to commence arbitration. If the DAB fails to give its decision within the period of 84 Days (or as otherwise approved) after receiving such reference, then either Party may, within 28 Days after this period has expired, give notice to the commence arbitration.

In either event, this notice of dissatisfaction shall state that it is given under Sub-Clause, and shall set out the matter in dispute and the reason(s) for dissatisfaction. Except as stated in Sub-Clause 19.5 [Failure to Comply with Dispute Adjudication Board's Decision] and Sub – Clause 19.6 [Expiry of Dispute Adjudication Board's Appointment], neither Party shall be entitled to commence arbitration of a dispute unless a notice of dissatisfaction has been given in accordance with this Sub-Clause.

If the DAB has given its decision as to matter in dispute to both Parties, and no notice of dissatisfaction has been given by either Party within 28 Days after it received the DAB's decision, then the decision shall become final and upon both Parties.

19.5 Failure to Comply with Dispute Adjudication Board's Decision

In the event that a Party fails to comply with a DAB decision which has become final and binding, then the other Party may, without prejudice to any other rights it may have, refer the failure itself to arbitration under Sub-Clause 19.7 [Arbitration]. Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision] shall not apply to this reference.

19.6 Expiry of Dispute Adjudication Board's Appointment

If a dispute arise between the Parties in connection with, or arising out of, the Contract or the execution of the works and there is no DAB in place, whether by reason of the expiry of the DAB's appointment or otherwise:

- (a) Sub-Clause 19.4 [Obtaining Dispute Adjudication Board's Decision] shall not apply.
- and
- (b) The dispute may be referred directly to arbitration under Sub-Clause 19.7 [Arbitration].

19.7 Arbitration

- (a) Any dispute of whatever nature arising from, out of or in connection with this agreement, on the interpretation thereof, or the rights, duties, obligations or liabilities of any Party, or the operation, breach, termination, abandonment, foreclosure or invalidity thereof, shall be referred to by either Party to arbitration Act No. 11 of 1995, or any amendment thereof,

- (b) Pending the award in any arbitration proceedings hereunder,
 - (i) This Contract and the rights and obligations of the Parties shall remain in full force and effect and
 - (ii) Each of the Parties shall continue to perform their respective obligations under this Contract. The termination of this Contract shall not result in the termination of any arbitration proceedings pending at the time of such termination nor otherwise affect the rights and obligations of the Parties under or with respect to such pending arbitration.
- (c) Any award rendered by the arbitral tribunal shall determine the extent to which the cost of arbitration is to be borne by each Party. The arbitration Centre charges and the compensation to the arbitrator shall be equally shared by the Parties initially.

Composition of the Arbitral Tribunal:

The arbitral tribunal shall consist of a sole arbitrator who shall be appointed in the manner provide in the Section Procedure as given below.

Section Procedure:

The Party desiring arbitration shall nominate three arbitrators out of which one to be selected by the other Party within 21 Days of the receipt of such nomination. if the other Party does not select one to serve as Arbitrator shall be appointed in accordance with the Arbitration Act N. 11 of 1995, or any amendments thereof.

Venue & Language:

The venue of arbitration shall be in Sri Lanka.

Unless otherwise agreed to by the Parties the proceedings shall be conducted and the award shall be rendered in the English language.

SECTION 6
SPECIFICATIONS

A – GENERAL SPECIFICATIONS

General specifications that are applicable to this project are listed below:

- 1A Specification for Building Works – Sri Lanka (Vol.1) - July 2004 CIDA Publication No. SCA/4 (Vol.1).
- 1B Specification for Building Work – Sri Lanka (Vol.2) Sanitary Installation. CIDA Publication No. SCA/4 (Vol.2). Revised edition, October 2001
- 1C Specification for Water Supply & Sewerage and Storm Water Drainage Works – Sri Lanka. CIDA Publication No. SCA/3/2. Revised edition, April 2002
- 1D Specifications for Electrical and Mechanical Works Associated with Building and Civil Engineering - Sri Lanka - August 2000 CIDA Publication No. SCA/8.
- 1E Standard Specifications for Construction and Maintenance of Roads and Bridges - Sri Lanka - August 2002 CIDA Publication No. SCA/5.
- 1F Fire Regulations – CIDA Publication No ICTAD/DEV/14

Copies of above publications shall be purchased from the Institute for Construction, Training and Development (CIDA), “Sawsiripaya”, 123, Wijerama Mawatha, Colombo 07.

SECTION – 7
FORM OF BID

FORM OF BID

**PROPOSED IMPROVEMENT AND MODIFICATION OF CLASS ROOMS (SECTION B) IN
SRI LANKA INSTITUTE OF TEXTILE & APPAREL (SLITA)**

To: **Director General**

Sri Lanka Institute of Textile & Apparel (SLITA)
Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

Gentlemen:

1. Having examined the Standard Bidding Document-Procurement of Works-Major Contracts [ICTAD/SBD/02 – Second Edition, January 2007], Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills 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 acknowledge that the Contract Data will form a part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer’s notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid until 119 days from the date of closing of the bid and it shall remain binding upon us and may be accepted at any time before that date.
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 us⁵⁴.
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify/confirm that we comply with the eligibility requirements as per ITB Clause 3 of the bidding documents.

Dated this day of 20.....

Signaturein the capacity of

duly authorized to sign bids for and on behalf of

[in block capitals or typed]

Address:

Witness:.....

SECTION – 8
BILLS OF QUANTITIES

PRICING PREAMBLES

A- GENERAL PREAMBLES

The Bill of Quantities shall be read in conjunction with all other bidding documents

General directions and descriptions of work or materials given elsewhere in the bidding documents are not necessarily repeated in the Bills of Quantities. For the full meaning of each item, reference should be made to the applicable passages in the Bidding Documents.

The prices and rates entered by the Contractor in the Bills of Quantities shall be deemed to cover the complete and finished works in the final position as required by the Bidding Documents, including, inter alia, all costs and expenses which may be required in and for the construction and maintenance of the works, together with all risks, liabilities, contingencies, insurance, sampling, testing, providing all necessary assistance to the Engineer and in general all obligations imposed or implied by the Contract.

The Contractor should allow against the items or in the prices for everything contained in these Bills of Quantities which has a monetary value.

Lump sums shall not be given where unit rates are applicable.

Payment against any item in the Bill of Quantities will be made only if such item has actually been carried out by the Contractor. If the Contractor intends to execute any alternative method of construction, the Engineer's prior approval thereof shall be obtained prior to execution of such work in order to ensure payment against the relevant item.

Unit rates may be used reciprocally in the settlement of accounts unless conflict between them occurs. The Contractor is therefore to ensure that identical items occurring in separate bills are not priced at different rates unless this is his deliberate intention.

The Contractor shall check against the summaries that each copy of the Bills of Quantities is complete in the number of pages and in the reproduction of each page.

The Contractor's prices and extension shall be entered in waterproof ink.

Unit rates and extensions shall be given in Sri Lankan Rupees to a maximum of two significant places of decimals.

The various documents collectively referred to herein as the Bills of Quantities jointly constitute the Bill of Quantities referred to in the Conditions of Contract.

These Bills of Quantities have been measured generally in accordance with the principles laid down in the Method of Measurement of Building Works (First Revision) SLS 573: 1999 published by Sri Lanka Standard Institution (as here below defined) except where otherwise stated and rates shall include for everything required for complete sections of work in accordance with the specifications and drawings.

In the Bills of Quantities, if any materials/ fittings are described by using a trade name, it is only for the purpose of indicating the minimum level of quality and standard required. The Bidder may use any other

material/fittings, which are considered as equivalent in quality and standard to those specified therein subject to the approval of the “Engineer”.

Items in the preambles section of these Bills of Quantities are deemed to qualify and to form part of every description of measured work to which they refer including composite descriptions.

No amendment which has not been authorized in writing by the Engineer shall be made to these Bills of Quantities. The Contractor shall not use these Bills of Quantities as a construction programme or for the purposes of ordering materials or arranging sub-contracts. The references for these activities shall be the drawings, specification and instructions issued by the Engineer.

A price or rate shall be entered against each item in the Bill of Quantities whether quantities are stated or not. Item against which no price or rate is entered shall be deemed to be covered by the other prices or rates entered by the Contractor in the Bills of Quantities. The unit price or rate entered against any item shall take precedence over any miscalculation in the total sum against that item.

The quantities given in the Bill of Quantities are estimated only and are given to provide a basis for the tender. No guarantee is given for their accuracy and payments to the Contractor will be based on the prices and rates quoted in the bills applied to measured quantities for work done.

The quantities for each item of work executed by the Contractor in accordance with the Contract shall be measured net and no allowance will be made for waste, bulking, shrinkage decrease of volume due to compaction or the provision of working space.

The items in the Bills of Quantities are the general application to the whole of the works at any location on site or any part of the work as indicated in the bid documents or instructed by the Engineer’s representative.

Tenders, which group several items together in the Bill of Quantities under one price, will not be accepted.

These pricing preambles are a standard and comprehensive set and hence may exceed the requirements of this particular project.

FORMAT FOR DESCRIPTIONS

In addition to common abbreviations the following have been adopted:

| | | | |
|----------------|----------------|-----|-----------------------|
| m | - meter | h | - hour |
| m ² | - square meter | ltr | - liters |
| m ³ | - cubic meter | CP | - Code of Practice |
| mm | - milli meter | BS | - British Standard |
| nr | - number | PS | - Provisional Sum |
| t | - tonne | BOQ | - Bills of Quantities |
| kg | - kilograms | | |

Every description shall read as if the phrase "and the like" were incorporated into it.

Where specific classifications have been given but are deemed to include other categories of work only the classified item shall be given in descriptions.

"Prices also to include"; items under this heading fall into two categories.

a) Those which are deemed to be included in descriptions and therefore, in prices.

b) Those for which the Contractor shall allow in his prices.

"Approved", "Directed", "Selected" and similar expressions shall relate to the Engineer's decision.

Without affecting the generality of the foregoing provisions the prices and rates entered by the Contractor in the Bills of Quantities shall also include, inter alia, a;; costs and expenses involved with or arising from the following;

- All obligations imposed by the Contract.
- Complying in every respect with the requirements and the considerations of the specifications and drawings.
- All considerations arising from the definitions incorporated into each preamble section.
- Labour for fixing and all associated costs.
- Materials and goods and all associated costs.
- Fitting and / or fixing materials and goods in any position, hoisting to any height.
- Use of scaffolding, plant, equipment and tools.
- Allow for protection of finished surfaces / fittings etc.. of all work sections.
- Any additional labour usually associated with measured items.
- The provision, storage, transport, handling, use, distribution and maintenance of all materials, plant, equipment, machinery and tools, including all costs, charges, dues demurrage or other outlays involved in carriage and importation.
- The provision and maintenance of all staff and labour and their payment, accomodation, transport, fares and other requirements.
- Setting outs, including the location, construction and preservation of survey marks, mesurements and supervision.
- The provision, staorage, transport, use, handling, distribution and maintenance of all consumable stores fuel, water and electricity including the requirements of the Engineer's Representative and his staff.
- The location and test proving of the source of materials.
- Sampling, the transport of samples, testing and checking of all information given by the Engineer.
- Injury caused to the works under construction, plant, materials and consumable stores by weather.
- Repairs to the works either prior to or during the period of maintenance.

- Maintenance work as detailed in the specifications and the Conditions of the Contract and the maintenance of public amenities.
- Co-ordination with other Contractors or authorities carrying out work either in connection with or adjacent to the works
- The supply of manufacturers test certificates.
- The protection of mains and services, and cost of repairs in case of damage caused by the Contractor.
- Pumping and dewatering: the protection of excavated faces.
- Insurance, custom duties, taxes (excluding VAT) levies, first aids, welfare, and safety requirements and all other overheads and costs and profits.
- Hoisting equipment and plants
- Necessary warning notices, adequate night lighting etc.
- Supplying specimen and samples of materials used and carrying out tests etc. confirming to relevant British standard as directed by the Engineer.

All measurements are net and the rates shall include for all laps (except for design structural laps for steel Reinforcement) waste working space and trade or traditional allowances.

The pricing of materials shall take account of the following:

Pricing Preambles, Drawings and Specifications and shall apply reciprocally between sections of the works unless otherwise described.

Materials shall be of the best quality available unless otherwise described.

All materials shall be transported, handled, stored and fixed in accordance with the printed instructions or recommendations of their manufacturers or suppliers.

Protection of completed work, all casings and temporary coverings and making good and clearing away upon completion.

Building paper, damp proof membrane, quilts and all non-rigid sheet materials shall include cutting or forming holes and notching and the extra labour of turning up at edges and the like.

Holes, mortices, pockets, grooves, chases and the like and items described as "built in" and "cast in" shall include making in its fullest sense and through, around, into over and up to the items concerned.

Items described as "cut" shall include general making good similarly.

Where the word "allow" is used the cost of the items shall be the responsibility of the Contractor.

The Contractor shall obtain from all sub-contractors (whether nominated or otherwise) their requirements for all recesses, chases, holes and the like in order that they may be built in or formed as the work

proceeds. No additional charges shall be allowed for cutting recesses, chases and holes and the like after the construction of the works.

In the event of there being any discrepancies between details on drawings, descriptions in specifications and descriptions in the Bills of Quantities, then the rates and pricing shall be deemed to relate to the documents order of precedence set out in the Conditions of Contract

The amounts set against any Provisional Sums for supply of materials shall be the net CIF amount for imported materials adjusted for all discounts and customs duties. The amounts set against any items of overhead & profit shall include for all costs in connection with letters of credit, bank charges, interest charges and insurance after the materials come under the control of the Contractor.

The Contractor should leave the whole of the works ready for immediate occupation to the satisfaction of the Engineer including the following:

- (a) Removal of rubbish, debris or excess spoil from the site area and raking over and cleaning all unused parts of the site area.

Fix only

The expression "fix only" used in these Bills of Quantities means that the Contractor shall provide the following facilities:

- (a) Fixing with all necessary accessories and the like.
- (b) Supplying full size templates, giving and marking dimensions and taking responsibility for their accuracy.
- (c) Getting in, protecting, handling, distribution and placing in position and assembling as required.
- (d) Casing up and protection, including clearing away protection on completion of the works including Sub- Contractor works.
- (e) Full cost of replacement of any item which are damaged, broken, lost or stolen after the acceptance of the items from the supplier or Employer and until handing over the complete works.
- (f) Other necessary and usual facilities and documentation.

Supply only

The expression "supply only" used in these Bills of Quantities means that the Contractor is to provide for everything in connection with such Items except fixing in position.

Sub-Contractors

Sub-contractors, whether nominated or not, are to be let on a current form of sub contract designed for use

in conjunction with the General Conditions of Contract amended as necessary to incorporate the appropriate provisions of the main Conditions of Contract.

The Contractor should ascertain from sub-contractors and suppliers before the work is put in hand particulars of positions in which chases, holes, mortices and the like will be required to be formed or left. No claim for the extra costs of cutting away work already built due to the Contractor's failure to ascertain these particulars will be admitted.

Any local sub-contractors which the Contractor proposes to use for the works are subject to the approval of the Engineer and Employer.

The Contractor shall provide for approval a list of sub-contractors who will be employed on the works. If the Contractor is refused permission to use any of his proposed sub-contractors, then the work shall be sub-let at no extra cost to an approved sub-contractor.

Any sub-contractor who has not been approved by the Engineer shall not be used in connection with the carrying out of the works.

Nominated Sub-Contractors

At the time of every valuation of the works for certificate purposes the Contractor shall submit to the Engineer a statement from each of the nominated sub-contractors, showing:

- (a) The gross amount (including cash discount and retention) claimed in the current certificate.
- (b) The net amount received from the Contractor to date excluding agreed contract charges.

Amounts in respect of Nominated Sub-Contractors will not be included in valuations unless these statements are received.

These statements will be accepted as reasonable proof of payment to nominated sub-contractors under the Conditions of the Contract but otherwise the received invoices of nominated sub-contractors are to be submitted to the Engineer as proof of such payments.

At the time of the settlement of accounts and as one of the documents referred to in the Conditions of Contract, the Contractor is to obtain a statement from each of the nominated sub-contractors that the sums and / or credits to be included in the settlement of accounts in respect of such nominated sub-contractors are accepted in full and final settlement of their sub-contracts.

The word "attendance" means that Contractor shall provide the following attendances and facilities:

- (a) Use of Contractor's administrative arrangements.
- (b) Use of Contractor's constructional plant at site.
- (c) Use of Contractor's facilities such as water electricity telephone facilities at site.

- (d) Use of Contractor's temporary works at site.
- (e) Clearing away rubbish from the central point of collection.
- (f) Use of Contractor's scaffolding at site
- (g) Unloading, distributing, hoisting and placing in position items of plant and machinery.
- (h) Supplying full size setting out templates and giving and marking dimensions and taking responsibility for their accuracy.
- (i) Providing working space and stores.
- (j) Other necessary and usual facilities, documentation, general inter-trades attendance, labour and assistance.
- (k) Site security

The Contractor shall allow for any additional costs incurred due to sub-contractors working different hours from and extended hours to those worked by the Contractor.

Prime Cost Sums In Unit Rates

Certain rates within the Bills of Quantities will include Prime Cost Sums. The Contractor shall be required to base this PC rate in preparing his full rate for those items. Any additional costs such as transporting, delivering and handling, storage, wastage etc, and installation or laying, labour, additional materials and plants etc should be included in his full rate. This rate will then be carried to the relative places within the Bills of Quantities.

These prime cost sums shall be adjusted based on the actual purchase prices of such materials after the relevant works are completed. The Contractor should submit a statement along with the following interim payment application showing the adjustment to the Contract Price. The price of relevant materials should not exceed the Prime Cost Sums stated in the relevant items without any prior approval from the Engineer. No additional claim will be allowed for the varying of these items.

Generally

Rates for all items of works in all trades shall be deemed to include for hoisting, scaffolding and supports, use of small plant and general superintendence of work at site.

B – PREAMBLE NOTES FOR ALL TRADES

1.0 EXCAVATION AND EARTH WORK

Definitions

Rock is defined as any material met with which is of such size or position that, in the opinion of the Engineer it can only be removed by means of special plants or explosives..

Method of Measurement

The method of measurement and re- measurement shall be taken according to Sri Lanka standard 573: 1999 but generally will be as follows:

- (a) Where there is no reduced level excavation, other excavations will be measured from natural ground level.
- (b) In instances where there is excavation to reduced levels other excavations will be measured from the reduced level.

Should the Contractor be able to use any excavated material arising from the works as general filling then it shall be measured as material back filled in making up levels with a deduction of items for filling and for material removed from site.

Prices also to include

Rates for excavation shall be deemed to include for the following ;

- a) Excavating by whatever means are necessary including hand excavation in any kind of ground excluding rock.
- b) Overbreak including filling with mass concrete to the levels required by the Engineer.
- c) Trimming or grading ground to produce level surfaces or surfaces to falls or slopes including necessary planking and strutting
- d) Ramming, levelling and compacting sides and bottoms of excavations.
- e) Additional excavation for working space arising out of any cause, as excavation measured net unless otherwise specified in item description.
- f) Back filling with selected excavated material and consolidation.
- g) Any hand excavation required around existing services or the like.

- h) Bulking after excavation and disposal of surplus excavated material away from the premises.
- i) Dewatering.
- j) Earth work supports.
- k) Compliance with relevant acts, by laws and regulations relating to excavations
- l) Inspection of site

2.0 HARD CORE FILLING

The Contractor shall obtain prior approval from the Engineer for characteristics of the soil to be used for filling.

Method of Measurement

The measurement for earthwork has to be the net volume of earth after compacting to the approval of the Engineer.

Prices also to include

Rates for hardcore filling shall be strictly as per specifications and to be priced accordingly.

Rates for hardcore filling shall include delivery, filling in layers as per specifications and consolidating ramming, compacting etc., using equipment approved by the Engineer.

3.0 CONCRETE WORK

Generally

Unless otherwise stated all concrete shall be:-

- a) The grade of the concrete shall be as specified in the drawings. Any discrepancy within the document with respect to the grade of concrete, the drawings shall supersede and the rates shall include to cover the cost of grade specified in the drawings.
- b) All concrete shall be so cast as to receive only that finishing on its exposed faces as specified in the respective items in the BOQ .

- c) All concrete shall be made dense with a vibrator and finished with monolithic to receive tiles, granite etc. The type and stability of which shall be agreed with the Engineer prior to commencement of concerning of each item.

Prices also to include

The Contractor should ascertain from the Engineer the total number of locations of items to be formed in and cast into in-situ and precast concrete including those which are not specifically shown on the drawings.

No cutting away of concrete shall be carried out without the approval of the Engineer.

All remedial works shall be carried out at the Contractor's expense.

Rates for concreting shall be deemed to include for the following ;

- (a) Plant for mixing, handling, hoisting, depositing compacting, vibrating, curing, making good after removal of form work and for any tests when necessary.
- (b) Filler boards and sealants and external wall finish and shall be to the Engineer's approval.
- © Forming joints between new concrete and old concrete as per drawings and specifications unless separately stated or provided for.
- (d) Formed joints deemed to include form work.
- (e) Sealants work deemed to include preparation, cleaners, primers and sealers.
- (f) Cube testing and concrete cube shall be taken as directed by the Engineer.
- (g) All necessary keys to concrete surfaces to receive in-situ finishes.
- (h) All costs in connection with the construction of "kickers".

The rates for plain concrete foundations and concrete blinding shall include for the following ;

- (a) All necessary shuttering to edges or extra volume of concrete used in lieu of shuttering.
- (b) Forming sloping upper surfaces where required.
- © The rates for reinforced concrete shall include for working concrete around reinforcement.

4.0 FORM WORK

Generally

Form work centring and moulds for concrete construction shall be of plywood, timber, steel or pre cast concrete and shall be erected true in line, levels and vertically and to the required shapes and sizes and shall be of suitable design and substantial and rigid construction as to prevent deformation due to the placing and compacting of concrete and any incidental loading. All form work and cantering shall be so constructed that no grout shall leak out during concreting.

Form work for fairface finish shall be from steel sheets in smooth form to receive the required finish.

Form work and centring shall be provided with adequate walling, struts braces, ties and clamps so as to maintain the dimensions lines and levels shown on the drawings during the entire operation of placing and compacting the concrete and to prevent any sagging exceeding 3 mm under the weight of wet concrete and any other super imposed loads which they would be subjected to during construction.

The contractor shall provide sufficient form work and moulds to ensure the adequate progress of work and the Engineer may direct the Contractor to provide at Contractor's expense such additional form work and moulds as they may deem necessary if in his opinion the proper progress of the work is retarded by their absence.

Method of Measurement

Formwork has been measured the net contact surface measurement between concrete and formwork.

Prices also to include

Rates for formwork shall be deemed to include for the following ;

- (a) Small quantities.
- (b) All cutting and waste including raking curved or circular cutting and cutting and notching around pipes, ducting and fittings.
- © Setting up, strutting and supporting at any height above the structure subject to any limitations imposed by the Employer's representative including all props, stays struts, wedges and bolts etc.
- (d) Carefully coating with shutter oil ensuring that no shutter oil is applied to surfaces of reinforcement.
- (e) Easing, striking, removing and cleaning and preparing for re-use and removal when no longer required.
- (f) Overlaps and passings at angles and labours at intersections.
- (g) Shortening struts or shapes and re-strutting or re-shoring where required.
- (h) Rubbing down, filling and making good the surface of concrete after removal of shuttering.
- (i) Cutting or notching shutters or moulds to in-situ or pre cast concrete around projecting reinforcement.

The rates for wrought shuttering / shuttering to produce a special finish shall include for the following ;

- (a) Any necessary rubbing down or filling allowed by the specification to produce the finish required.
- (b) Cutting out and re-casting unsatisfactory work or work not fulfilling the requirements of the specification or carrying out remedial or any other work required by the Engineer as an alternative to cutting out substandardwork.

5.0 REINFORCEMENT

Generally

The size of reinforcement rods described in the drawing or elsewhere shall be the minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured with the quantities.

All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush if so directed by the Engineer.

Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus.

Re-bending of incorrectly bent bars shall not be attempted.

Prices also to include

Rates for reinforcement shall be deemed to include for the following ;

- (a) Preparation of detailed reinforcement drawings and bar bending schedules for all steel work to be submitted to the Engineer or his representative for approval grooves, starting the work.
- (b) Cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers and binding wire, ties, spaces, chairs.
- © Additional cutting and bonding in connection with holes, mortices, packets, grooves, chases and the like.
- (d) Waste and rolling margin of steel reinforcement.
- (e) Supporting in position during concreting:
Provision of supports (excluding links and stirrups) steel binding wire and approved / proprietary distance pieces.
- (f) Positioning and protecting starter bars.
- (g) Bar bending schedules

The rates for fabric reinforcement shall include for the following:

- (a) Straight raking curved and circular cutting and waste, bending to profiles, tying wire, spacers, chairs, laps of one full square / rectangular module or as noted.
- (b) Supporting in position during concreting : provision of supports (excluding special chairs) steel binding wire and approved / proprietary distance pieces.
- © Cutting, bending and notching around all obstructions

6.0 PRE-CAST CONCRETE

Unless otherwise specified:-

All concrete shall be so cast as would require only that finishing on its exposed faces as specified in the respective items in the BOQ. Any extra labour or material required to obtain the specified finish shall be at the Contractor's expense.

Prices also to include

Rates for pre cast concrete shall be deemed to include for the following ;

- a) Include all necessary fittings, form work, moulds, reinforcement, bedding mortar, temporary struts , hoisting and fixing in position to the approval of the Engineer.
- b) Forming a fair face in accordance with the specification to all exposed surfaces.
- c) Hacking or forming keys to all other surfaces.
- d) Sills and copings, etc., shall include for plain ends and mitred angles where necessary

7.0 MASONRY WORK

Brick Work, Block Work and Rubble Work

Prices also to include

Rates for masonry work shall be deemed to include for the following ;

- (a) All rough and fair cutting, plumbing angles, forming rebated reveals, rough arches, vent openings, raking out joints for pointing etc., cutting and pinning, forming or cutting chases, making good and like expenses.
- (b) All kerbs, goggles, cramps, dowels, ties, templates, plumbing, settings, jointing, pointing, and fixing in position including hoisting and cleaning down.
- (c) Builders work in connection with electrical installation, plumbing and drainage work.
- (d) Provision of stiffeners for all 100 mm thick walls, which exceed 3m length and 3m height.
- (e) Brick work shall include preparation of surface to receive any external wall finish like plastering and shall be to Engineer's approval.
- (f) Preparation of existing surface for proper bonding.
- (g) Scaffolding whether specified separately or not.
- (h) Extra material for curved work.
- (i) Brick Work shall include form joints between brickwork and existing surfaces of any material, approved filler between joint and approved sealant.
- (j) Material testing at a recognized laboratory, provision of certificates.
- (k) Grouting up at back of walls built against other construction.

8.0 ASPHALT WORK

The water proofing system shall be carried out by a specialized sub contractor approved by the Engineer.

The main contractor shall be responsible for this system and shall provide a 10 year guarantee in favour of the Employer.

The type of water proofing system shall be such that it should be capable of coping any movement of the concrete slab below.

All construction, contraction and expansion joints and joints around openings shall be made water tight.

Prices also to include

Rates for asphalt work shall be deemed to include for the following ;

- (a) Protection screed in cement sand mortar 1:5 to receive waterproofing
- (b) Temporary screeds, grounds, rules, internal angles, fillet, riser, external angles, and exposed circular edges chases for tucking in etc.
- © Cutting top line, notching, bending and extra material for lapping.
- (d) Working into recessed duct covers, shaped inserts, outlet pipes and the like. Rates shall also include work to falls and cross-falls.
- (e) Tanking and damp proofing shall include internal and external angles, angle fillets, arises, edges, and intersections on work to cross falls.
- (f) Collars around pipes, standards and the like are deemed to include arises and internal angle fillets.
- (g) Linings to gutters, channels, valleys, covering to kerbs shall be deemed to include edges, arises, internal angle fillets, tilting fillets, turning ribs into grooves, ends angles intersections, outlets, and extra materials for turning into grooves.

9.0 STRUCTURAL STEEL WORK

Definitions

“Welding” is deemed to be in accordance with the specification and for the material to which it is to be used. Gusset plates, shoe plates, ends, caps, cleats, brackets, stiffeners, bolts, etc., have been included in the weights of the associated steel work in which they occur.

Prices also to Include:

Rates for structural steel work shall be deemed to include for the following ;

- (a) All shop drawings fabrication work, marking, delivery, unloading, hoisting, (local) erecting and fixing.
- (b) Allowance for rolling margin.
- © The weight of weld metal in welded constructions.
- (d) Members of any length.
- (e) Cutting to size and shape and joints in the running length.
- (f) Notches, holes, slots, mitres, ends and for all drilling and splay cut ends.
- (g) Grinding to a smooth finish, unless otherwise required.
- (h) After fabrication wire brushing to clean the surface and spray painted with two coats of quick drying metal primer Zinc phosphate. (Not applicable to galvanized steel sections)
- (i) Rates for galvanizing or similarly treated work are to include for the treatment of all ends to the approval of the Engineer.

10. ROOF COVERING AND ROOF PLUMBING

Timber for roof shall be pressure impregnated against insect attacks, and all timber samples to be approved by the Engineer.

Prices also to Include;

Rates for roof covering and roof plumbing shall be deemed to include for the following ;

- (a) Hoisting and fixing complete with all nails, screws clips, J – bolts, cobsles etc., and straight and square cutting and disposal of all waste.
- (b) Raking cutting and curved cutting. In case of exposed roof framing, timber shall be plane finished only in eaves ceiling area.
- © Applying two coats of wood preservative.
- (d) All bolts, nuts, and other fixing
- (e) Kempas struts as required
- (f) Calicut tile ridging in 1:5 cement & sand mortar
- (g) 20mm gauge Aluminium flashing, 3'-0" long as directed by Engineer in charge.
- (h) Work for flashing is deemed to include laps, seams and ends, angles and intersections, rolls, up stands

and down stands, dressing/wedging into grooves, hollows, recesses and the like.

(i) Calicut tile roof edge preparation with mortar (1:5) to get the standard finish.

Roof Plumbing (Unless separately stated or provided for)

(a) All rain water down pipes shall include all necessary fittings, such as bends, inspection openings, tees etc..

(b) Gutters are deemed to include joints in the running length and brackets.

© Cutting and jointing gutters to fittings is deemed to be included.

(d) Down pipes are deemed to include brackets joints and cuttings and the like.

(e) Apply paint to all exposed faces of roof plumbing as directed.

11. SUSPENDED CEILINGS

The rates for suspended ceiling tiles and panels and the like shall include for chamfering all cut edges; vertical bulkheads and cutting around light fittings, grills and diffusers or the like are also deemed to be included.

Rates shall also be deemed to include any depth between the soffit of the slab to which the ceiling is suspended and the finished level.

All linear items shall include for angles, ends and the like.

11. CARPENTRY AND JOINERY

Generally

The whole of the timber used in the work shall be the best of its kind obtainable and shall be thoroughly dry and well seasoned free from shakes, knots, loose or dead knots and any other defects and shall be to the approval of the Engineer and stored under cover when not in use. Any warped or unseasoned timber shall be rejected by the Engineer.

Unless otherwise stated in the BOQ, all timber sizes shall be finished sizes.

Timber shall be:

- | | | |
|---------------------------|---|--|
| a) Doors & Window sashes: | } | As Stated in the bill of quantities |
| b) Doors & window frame: | | |

Timber shall be as stated in Specification and drawings for all timber works.

Prices also to Include:

Rates for carpentry and joinery shall be deemed to include for the following ;

- (a) Cutting, notching, drilling, linkage, trimming forming, joining, splayed edges and the like including fixing in position complete with all nails, spikes and screws and priming to joints and ends.
- (b) All labour materials, hardware materials, all fixing materials, adhesives, sanding sealer, bleached finished or gloss paint finished etc., and ironmongery.
- (c) Fixing timber joints and members to masonry with approved fixing method.
- (d) All necessary ironmongery such as hinges, locks, hooks etc., which shall be of best quality, Union or equivalent, and to the approval of the Engineer. It is the Contractor's responsibility to get the approval for ironmongery prior to execution of carpentry and joinery work
- (e) All doors and windows shall include application of two coats of sanding sealer and a primer under coat, and preparation of surface and spray polishing to the approval of the Engineer.
- (f) Rates shall include making opening for light fittings in ceiling.
- (g) Glazing for doors and windows shall be 5mm glass.
- (h) Measurements for doors with partitions included in the partition.

The Rates for ironmongery shall include for the following:

- (a) Mortices, sinkings and the like.
- (b) Removing before and replacing after decoration.
- © Testing, easing and adjusting including oiling and leaving in perfect working order.
- (d) Adhering strictly to mastering and sub-mastering schemes.
- (e) Supplying and labeling at least two keys for each and every lock and handing to the Employer's Representative.
- (f) Master key if required by the specification or drawings.

The rates for ironmongery described as “fixed to hardwood” shall include for fixing to plywood blockboard and the like.

12. METAL WORK /ALUMINIUM WORK AND GLAZING WORK

Generally

Sizes given in the description of items are nominal sizes. The Contractor shall visit the site and take all necessary spot measurements to determine the actual sizes of opening before fabricating the units.

Definitions

“Welded” or “welding” unless otherwise stated shall be continuous butt or fillet welding left as laid.

Prices also to Include:

Rates for Glass cladding shall be deemed to include for the following ;

- (a). All necessary welding materials, cutting to length, bending and shaping as required, buffing all visible welds smooth and even for fabricating work delivery, handling, hoisting, jointing, polishing and fixing in position.
- (b). Prepare and submit shop drawings where required and obtain Engineer’s approval prior to proceeding with the fabrication and work. The contractor shall check site dimensions and make fabricated work correspond to the Approved Shop Drawings.
- ©. All metal shall be well formed to shape and size, with sharp lines or angles. Shearing and punching shall be left clean to true lines and surfaces, Shop connections shall be welded or riveted and site connections bolted unless otherwise noted. Use flat headed counter sunk rivets where riveted connections are exposed to view in finished work. Bolts shall be turned up tight, and threads nicked to prevent loosening. All bolts shall be provided with washers.
- (d).Form exposed connections with hair line joints which are flush and smooth using concealed fasteners wherever possible. If exposed fasteners are unavoidable use counter sunk flat head screws or bolts.
- (e). All preparation work to floor, walls and ceiling for fixing Glass Walls.
- (f). Raking and curved cutting where necessary.
- (g). Normal edges are deemed to include the glass work.
- (h). All sealant, mastic, setting blocks and fixing wherever necessary.
- (i). Approved beading system to Glass Walls to prevent ingress of water and air.
- (j) Metal door frames shall include for assembling, fixing with clamps, and filling with mortar, temporary supports and removal of base ties.

(k) Floor plates, duct covers and the like shall include narrow widths laying in position and for all holes, slots and the like making good.

Joints between Glass panels shall be Butt Joints.

Contractor shall carry out glazing work according to the drawings and specifications.

Aluminium work shall be carried out by a specialised Sub Contractor who can provide the performance specification for aluminium components approved by the Engineer.

All glass in partitions, doors, windows etc., shall be 5 mm thick (unless otherwise stated) clear glass and shall be included in the rates.

The tenderer is requested to provide the details of his aluminium sub-contractor, country of origin, micronage, thickness, type and make of glasses etc., along with his tender. Samples of all items required in aluminium work shall be submitted for prior approval without any additional cost.

Rates shall include all necessary ironmongery, such as hinges, lock, hooks etc., of approved quality. (As per attached schedules)

All glass panels shall be 5 mm thick (unless otherwise stated) glass and shall be included in the rates.

All locks, floor springs, and other necessary ironmongery shall be of best quality, Union or equivalent, and to the approval of the Engineer. It is the Contractor's responsibility to get the approval for ironmongery prior to execution of work.

All units shall be complete with all necessary glazing inserts, sealing strips, gaskets, skids, weather strips, glazing beads and all necessary ironmongery.

All aluminium units shall be designed to resist penetration of external moisture to the inside of the building. Fixing of frames for all units to the building shall be such as to ensure solid, void free, water proof joints.

The joints shall be caulked with a building mastic which does not sag or run and is non hardening and non-staining and can be painted.

Rates shall include approved type and quality painting works if required.

All Aluminium extrusions shall be 25 microns Anodise unless otherwise stated (Power coating thickness specified seperatly. i.e 70/80 microns)

All Aluminium extrusions shall be Anodised Sections.

13. WOODWORK

Method of Measurement

Sizes of sawn timber are basic.

Sizes of milled timbers are finished.

All timber sizes indicated in the descriptions shall be finished sizes after planning.

Woodwork shall be deemed to be fixed with non-corroding nails and screws unless otherwise described, all plugging, pelling, etc., is deemed to be included.

Screwed woodwork shall be so described and shall be deemed to be fixed with non corroding screws.

Special millings shall be described according to convention except that grooves, rebates and the like shall include for splayed grooves, rebates and the like.

Items which are to be plugged shall include for building in or drilling or cutting for and providing hardwood fixing plugs or approved proprietary fixings at 450mm centers unless specified otherwise.

Prices also to include

The Rates for woodwork shall include for the following ;

- (a) Working to size and shape including short lengths, mitres and ends.
- (b) All joints in the running length including structural joints.
- © Cutting and fitting to steelwork, trimming around openings, nothings, boring and sinkings.
- (d) Priming backs of woodwork in contact with structure with a mixture of linseed oil and red lead or as specified.
- (e) Grounds, packings or the like for woodwork in contact with or fixed to the structure or the like.
- (f) Applying two coats of an approved wood preservative before fixing.

The rates for framed woodwork shall include for proper framed joints, glueing joints, dowelling and/or screwing joints.

The Rates for milled woodwork shall include for the following.

- (a) Punching fixings below exposed surfaces and filling flush.
- (b) Any necessary sanding to remove “rippling” caused by milling machines
- © Special returned ends.
- (d) Wreaths, ramps and the like.

14. FLOOR, WALL AND CEILING FINISHES

Generally

- (a) Thickness of plaster work, bedding, backing etc. given in the description of items are the optimum thickness required.
- (b) Finished work must conform in all respect to the approved samples.
- © Pointed edges special tiles or the like to ceramic or clay tiles, marble work and the like shall be deemed to be included.
- (d) Brushing and cleaning off and damping down all backgrounds.
- (e) Square and rounded edges coving at wall, floor and ceiling junctions, quirks, wee joints and making good to frames and the like..
- (f) Dubbing out as necessary to take up tolerances in the structure and cambers in floors and the like.
- (g) Before proceed the work the sample panels of different finishes should get the approval of the Engineer. Each panel shall notless than 0.5 m² in area.

Prices also to include

Rates for wall finishes shall include for,

- (a) All temporary rules, screeds, grounds, consequent wastage etc., raking out joints of new brickwork or hacking new concrete for key, internal and coved angles, joints between different surfaces and between new and old plastering, arises, intersections between curved or irregular surfaces etc., and all making good around pipes, sanitary fittings and similar fixtures.
- (b) Expanded metal or the like in areas of different modes of construction. (e.g. Block work and concrete work.)
- © Builders work in connection with electrical installation and plumbing.
- (d) Plasterwork shall include forming door and window reveals unless separately stated or provided.
- (e) Proper finishing at fair joints and outlets, working over and around obstructions, dividing strips where applicable, and all extra work necessary for patterned work.
- (f) Making adequate space for drawing of all conduits on walls and partitions.
- (g) Curing and cleaning off / down upon completion.
- (h) All normal cutting arises, rounded edges, bedding and pointing.

Rates for floor finishes shall include for,

- (a) Treads and risers are deemed to include fair edges, internal and external angles.
- (b) Strings and aprons are deemed to include ends, angles, rammed and wreathed covers.
- © Skirting kerbs and edges of floors are deemed to include fair edges, rounded edges, covered junctions, angles, angles and the like.
- (d) Straight raking curved and circular cuttings and all consequent wastage

- (e) All setting out temporary rules, screeds, template and supports.
- (f) Curing and cleaning off/ down upon completion.
- (g) Spacers, cover guards, etc. to tiling or the like.
- (h) All labours and making good around pipes, ducting and fittings and the like.
- (i) Finishing to slopes and cross falls.
- (j) All normal cutting arises, rounded edges, bedding and pointing.

Rates for ceiling finishes shall include for:

- (a) Leaving soffit of slab of even finish to receive ceiling finishes.
- (b) Planning of underside of frame work to receive ceiling sheets / planks.
- © Planning and grooving of timber planks if used.
- (d) All labour for making good around pipes, ducting and fittings and the like.
- (e) Framing/drilling for holes, complete with all necessary nails, spikes, screws etc.
- (f) Hoisting and fixing in position
- (g) All laps straight cutting and waist
- (h) All timber members to be treated with wood preservative.
- (i) Preparing exposed surfaces and painting as specified or directed.
- (j) Ceiling finishing accessories such as chicken mesh, angle beads and the like.

15. PAINTING

Generally

All paint materials shall be best quality and shall be prepared products of manufacturers approved by the Engineer in writing.

All surfaces to be painted shall be prepared as directed and the prepared surfaces shall be approved by the Engineer before painting.

Unevenness and fillings in plastered surfaces shall be filled with gypsum and allowed to set and sand papered to give a smooth and even surface.

Prices also to include

Rates for painting shall include for:

- (a) Include preparation of surfaces, cleaning down, smoothing knotting, stopping etc. protection of floors and fittings, removing and replacing door and window fittings if required and cleaning upon

completion and the like.

- (b) Painting shall include one coat of Acrylic filler and finished with perfectly levelled paint consisting of two coats of approved colour and quality and shall be to the approval of the Engineer.
- © Painting in metal work is deemed to include work to attached holder bats, fastenings and the like.
- (d) Work to services is deemed to include work to saddles, pipe hooks, holder bats, conduit box and the like.
- (e) Painting work shall include painting door and window reveals unless separately stated or provided for.
- (f) Protecting floors and fittings etc.
- (g) Removing and replacing doors, furniture and cleaning upon completion.
- (h) Providing samples and specification of all paints to be used in the works and painting to an approved colour scheme and design.

Note:

Painting and similar work to timber surface, metal surfaces, PVC surfaces and any other surfaces requiring painting have been measured with the relevant items.

16. PLUMBING / SANITARY INSTALLATIONS AND DRAINAGE SYSTEM

Generally

Unless otherwise specified in the BOQ and the specifications, the rates for the following shall include P.V.C. piping for water service/waste water etc., such plastic piping and fittings shall comply with the standard specified in the specification.

All work shall conform to the specifications for drainage and water service and to the requirements of the local authorities and other controlling bodies.

Unless otherwise specified in the BOQ and the specifications, All pipes shall be of U.P.V.C. and the type as specified in drawings.

The diameter of piping shall be the nominal internal bore of the pipe.

Quality of sanitary fittings shall be as provided in the specifications or equivalent quality. It is Contractor's responsibility to obtain approval of the fittings prior to fixing.

Prices also to include

Rates for plumbing and drainage work shall include for:

- a) Pipes laid underground shall include necessary excavation to required gradient, earth work support, backfilling, embedding in concrete and disposal of surplus excavated material as directed, any special protection to pipes if necessary etc.
- b) The rates for excavation of trenches for services, pipes or drain pipes shall include for deepening

and widening as necessary to enable the barrels of pipes, ducts, etc., to rest on trim ground and to facilitate jointing.

- c) The rates for items of imported fillings, graded gravel fillings, etc., shall include for leveling and compacting as required by the specification, grading to slopes and falls, special compacting to form vertical or battering faces, forming sinkings etc.
- d) Any special water service and drainage fittings, such as bends, tees, reducers etc., unless separately stated or provided for in the Bill of Quantities, shall be included with the pipes and rates for pipes shall include such fittings and any extra work involved for the satisfactory completion of such items.
- e) Rates for piping shall include all elbows, bends, tees, stop ends, junctions, reducers, inspection, opening and all other similar fittings and testing.
- f) Screws, nails, solder, rivets, clips, pipe hooks, saddles, brackets, sockets, running sockets, straps, connections, lagging short lengths, bowknobs, nipple joints, concrete blocks and the like and all holes, chasing.
- g) Rates for piping for plumbing and drainage work shall be up to the fixing of the sanitary fixtures and appliances.
- h) Laying, chasing, burying, chipping concrete / masonry work where necessary and fixing pipes and fittings making good all worked disturbed.
- i) All laps, straight, cutting, jointing, fixing and waste of pipes.
- j) Applying painting to all exposed faces of pipe work as directed.

Sanitary Fittings

The rates for sanitary fittings and the like shall, unless otherwise described or implied, include for the following:

- (a) Assembling component parts including suitable bedding compounds.
- (b) All necessary accessories, plugging and brass screwing to working order.
- © Joints to water services with straight or bent proprietary connectors including flexible hoses
- (d) Joints to waste soils or drain pipes with approved proprietary connectors.
- (e) Cleaning off all protective wrappers and leaving ready for use.
- (f) Leaving taps and valves greased, clean and in full working order.
- (g) The Contractor shall include for the supply of manufacturers recommended spares for one years operation for all mechanical engineering installations.

Drains

The rates for pipes are to include for all short lengths, joints and couplers as necessary and for all cutting at manholes and the like.

The rates for fittings on pipes are to include for jointing to pipes with all necessary additional couplings flanges, etc. and any necessary cutting of pipe work

17. ELECTRICAL INSTALLATION

Generally

The height and the position of the lights shall be as per Engineer's approval.

It is the contractor's responsibility to get the approval of the Engineer for electrical accessories, wires etc., prior to installation.

Prices also to include

Rates for electrical work shall include for:

- (a) All conduits, conduit fittings, junction boxes, draw wire, cables, earth conductors, screws, nails, clips, brackets, straps, 3 core flexible cables, hardware, GI chains, fixing and insulation materials, cutting holes and chases in brick work, concrete work , draw wires in empty conduits etc., and making good.
- (b) All cutting, short lengths, small quantities, joints in the running lengths, pipe sleeves through walls, assembling component parts and all connections.
- (c) The contractor shall include in his rates the cost for supplying, installing and laying of all conducting, wiring, wooden plugs, wooden boxes, panel boards etc.
- (d) The contractor shall price for all switches, ceiling roses, holders, flexible codes, fan hooks etc., for all light fittings and fans (wherever necessary) main switches, earth leakage, circuit breakers etc., as shown in detail in the drawings, the quality and workmanship of which shall be to the approval of the Engineer.
- (e) Rate for light fittings shall include supply and fixing of fittings up to the fixing point of the light fitting. It is Contractor's responsibility to obtain approval for such fittings by submitting samples prior to supply and fixing in position.
- (f) Supplying, installing, testing and commissioning of the system for power and lighting. All complete to the working order and to the entire satisfaction of the engineer.
- (g) Cleaning off all protective wrappers and leaving ready for use.
- (h) Leaving all equipment, etc., and clean to full working order.
- (i) Consulting and co-operating with other trades.

- (j) Giving notices, obtaining permits, paying fees etc.
- (k) Provision of shop drawings and circuit diagrams including conduit layout drawings etc.
- (l) Labeling switch and distribution boards and other equipment. Providing samples of switches and other fittings.
- (m) Earthing the installation.
- (n) Testing installations as required by the Engineer and submission of certificate of conformance of Electrical Installations to IEE regulations by a Chartered Electrical Engineer registered with the Ceylon Electricity Board
- (o) All materials, equipment, wiring and workmanship shall confirm to local codes of specification, BS Standards, latest I.E. regulations and Ceylon Electricity Board specifications.
- (p) Make and manufacture of equipment to be submitted with the tender for Engineer's approval.
- (q) As built drawings to be forwarded.

18. POINT WIRING

Rate shall include all cables, conduits, clips, earth cables, draw wire, wiring accessories, switches, socket outlets, ceiling robes, holders, fanhook, etc. hardware fixing and insulating materials, cutting holes, chases and make good.

19. MECHANICAL INSTALLATIONS

Prices also to include

- (a) All considerations arising from the specification.
- (b) Complying with the relevant Sri Lankan or British Standard and with the regulations of the local authorities.
- © Testing and commissioning as required.
- (d) Applying paint to all exposed faces of pipe work as directed.
- (e) Submitting charts/ lists indicating the country of origin and performance of all equipment offered.
- (f) Submission of shop drawings as directed.

20. FIRE FIGHTING & FIRE PROTECTION SYSTEM

The Contractor shall refer to & study all drawings and the specifications attached to the tender document & base his bid on the measurements and specials as indicated in these drawings.

Where "Item" is used to describe a quantity it is deemed that all works required to complete & commission the service is included & as such no re-measurement will be permitted on such items.

Rates shall allow for the chipping of concrete where necessary for the passage of pipes through floor slabs etc.

The contractor shall submit charts /lists indicating the country of origin & performance of all equipment

offered by him. He shall also provide two (2) copies of 'as built' drawings on completion of the said works.

All equipment offered shall comply with the requirements of the CMC fire department in respect to coupling, standards etc. Fire sump – 10 m³ taken under builders work.

Note :-

General preambles are provided, bidder to ignore any item/items if it is not applicable to particular project.

PROPOSED IMPROVEMENT AND MODIFICATION OF CLASS ROOMS (SECTION B)
IN SRI LANKA INSTITUTE OF TEXTILE & APPAREL
GRAND SUMMARY

| BILL | DESCRIPTION | AMOUNT | |
|------|--|--------|---|
| B | PRELIMINARIES | Rs. | - |
| C | DEMOLISION WORKS | Rs. | - |
| D | EXCAVATION & EARTH WORK | Rs. | - |
| F | CONCRETE WORK | Rs. | - |
| G | MASONRY WORK | Rs. | - |
| H | WATER PROOFING | Rs. | - |
| K | STRUCTURAL METAL WORKS | Rs. | - |
| L | CARPENTRY AND JOINERY-WOOD WORK | Rs. | - |
| P | ROOF COVERING & ROOF PLUMBING | Rs. | - |
| T | FLOOR, WALL & CEILING FINISHES | Rs. | - |
| Z | DAY WORKS | Rs. | - |
| | SUB TOTAL I | Rs. | - |
| | DISCOUNT (.....%) | Rs. | |
| | SUB TOTAL II | Rs. | - |
| Z | PROVISIONAL SUM | | |
| | SUB TOTAL III | Rs. | - |
| | Add 10% for Contingencies | Rs. | - |
| | GRAND TOTAL (Excluding VAT) C/F TO FORM OF TENDER | Rs. | - |
| | ADD : 15% VAT | Rs. | - |
| | GRAND TOTAL (Including VAT) | Rs. | - |

| No | Description | Mode of Payment Category | Unit | Amount |
|------|--|--------------------------|------|--------|
| B.7 | <p>Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the Engineer's site office for their use in connection with the works.</p> <p><u>Contractor's Facility</u></p> | E | Item | |
| B.8 | <p>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</p> | C | Item | |
| B.9 | <p>Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, buildings to be used as workshops and stores for perishable materials. Buildings shall be constructed in accordance with the drawings prepared by the Contractor and concurred by the Engineer. The lump sum shall also include for altering, modifying, or dismantling and re-erecting within the site all temporary buildings / structures if required.</p> | C | Item | |
| B.10 | <p>Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, temporary buildings in accordance with the plans prepared by the Contractor and concurred by the Engineer to accommodate the following:</p> <ol style="list-style-type: none"> 1. Workers' rest room, canteen facilities, kitchen 2. Toilet and wash areas 3. Sick / First - Aid room <p>Facilities to workmen shall conform to the latest public health and industrial regulations.</p> | C | Item | |
| B.11 | <p>Allow lump sum for providing accommodation including sanitary facilities and transport for Contractor's staff and workmen <u>off site</u>.</p> | E | Item | |
| B.12 | <p>Allow lump sum for providing telephone and facsimile, electricity and water services for the Contractor's site office for their use in connection with the Works.</p> | D | Item | |
| B.13 | <p>Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the Contractor's site office for their use in connection with the Works.</p> | E | Item | |
| B.14 | <p>Allow lump sum for Contractor's transport facilities at site.</p> | E | Item | |

| No | Description | Mode of Payment Category | Unit | Amount | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|--------------------------|----------------------------|------------------------|-----------------|------------------|----------------------|------------|---|-----------------|---------------------------|------------|---|----------------------|--|------------|---|----------------------|--|------------|---|---|------|--|
| B.15 | <p><u>Construction Management and Supervision</u></p> <p>Allow lump sum for employing suitably qualified and experienced technical personnel on full time basis for Construction Management Services and Supervision at the site.</p> <table border="1" data-bbox="193 483 1059 954"> <thead> <tr> <th data-bbox="193 483 421 546">Category</th> <th data-bbox="421 483 655 546">Qualification & Experience</th> <th data-bbox="655 483 860 546">Min Monthly Emoluments</th> <th data-bbox="860 483 1059 546">No of Personnel</th> </tr> </thead> <tbody> <tr> <td data-bbox="193 546 421 622">1. Site Engineer</td> <td data-bbox="421 546 655 622">B.Sc. Eng.+10 yr.exp</td> <td data-bbox="655 546 860 622">250,000.00</td> <td data-bbox="860 546 1059 622">1</td> </tr> <tr> <td data-bbox="193 622 421 698">2. M&E Engineer</td> <td data-bbox="421 622 655 698">B.Sc. M&E Eng.+05 yr. exp</td> <td data-bbox="655 622 860 698">150,000.00</td> <td data-bbox="860 622 1059 698">1</td> </tr> <tr> <td data-bbox="193 698 421 831">3. Quantity Surveyor</td> <td data-bbox="421 698 655 831">B.Sc. QS + 1 yr. exp / Tech memb of IQSSL + 2 yr. exp / NCT + 10 yr. exp</td> <td data-bbox="655 698 860 831">100,000.00</td> <td data-bbox="860 698 1059 831">1</td> </tr> <tr> <td data-bbox="193 831 421 954">4. Technical Officer</td> <td data-bbox="421 831 655 954">NDT or equivalent + 4 years' experience / NCT + 10 years' experience</td> <td data-bbox="655 831 860 954">100,000.00</td> <td data-bbox="860 831 1059 954">2</td> </tr> </tbody> </table> <p>Note: Qualification of technical personnel shall be conform with the qualification of technical personnel stated under Clause 4.2(e) in the Bidding Data.</p> <p>Note: If this item is priced please attach a detail breakdown of employed personnel with their qualifications and all inclusive monthly cost.</p> | Category | Qualification & Experience | Min Monthly Emoluments | No of Personnel | 1. Site Engineer | B.Sc. Eng.+10 yr.exp | 250,000.00 | 1 | 2. M&E Engineer | B.Sc. M&E Eng.+05 yr. exp | 150,000.00 | 1 | 3. Quantity Surveyor | B.Sc. QS + 1 yr. exp / Tech memb of IQSSL + 2 yr. exp / NCT + 10 yr. exp | 100,000.00 | 1 | 4. Technical Officer | NDT or equivalent + 4 years' experience / NCT + 10 years' experience | 100,000.00 | 2 | E | Item | |
| Category | Qualification & Experience | Min Monthly Emoluments | No of Personnel | | | | | | | | | | | | | | | | | | | | | |
| 1. Site Engineer | B.Sc. Eng.+10 yr.exp | 250,000.00 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 2. M&E Engineer | B.Sc. M&E Eng.+05 yr. exp | 150,000.00 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 3. Quantity Surveyor | B.Sc. QS + 1 yr. exp / Tech memb of IQSSL + 2 yr. exp / NCT + 10 yr. exp | 100,000.00 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 4. Technical Officer | NDT or equivalent + 4 years' experience / NCT + 10 years' experience | 100,000.00 | 2 | | | | | | | | | | | | | | | | | | | | | |
| B.16 | <p><u>Setting out</u></p> <p>Allow lump sum for employing a Licensed land surveyor to define the building site work etc., check levels and carry out such other surveys as</p> | F | Item | | | | | | | | | | | | | | | | | | | | | |
| B.17 | <p>Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer.</p> | F | Item | | | | | | | | | | | | | | | | | | | | | |
| B.18 | <p><u>Quality, Standard and Progress</u></p> <p>Allow lump sum for provision of progress records including photographic records and other schedules included in the ICTAD publication-Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the</p> | E | Item | | | | | | | | | | | | | | | | | | | | | |
| B.19 | <p>Allow lump sum for all cost in connection with preparing samples for testing, making arrangements for testing of Materials, Goods etc. as</p> | E | Item | | | | | | | | | | | | | | | | | | | | | |
| B.20 | <p>Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval.</p> | E | Item | | | | | | | | | | | | | | | | | | | | | |

| No | Description | Mode of Payment Category | Unit | Amount |
|------|---|--------------------------|------|--------|
| B.21 | <p>Allow lump sum for provision of 2 sets of (hard copies and soft copies) as- built drawings of all services, for Engineer's approval.</p> <p><u>Health, Safety and Environment</u></p> | D | Item | |
| B.22 | <p>Allow lump sum for engaging the service of an adequately trained person to attend to first-aid medical duties including a provision of a first aid box and regular supply of medicine, linen etc.</p> | E | Item | |
| B.23 | <p>Allow lump sum for the following services throughout the period of construction for the Engineer's office, Contractor's site office and worker's rest room and other facilities;</p> <p>a. Employing workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc.</p> <p>b. Supplying adequate drinking water, water for washing purposes, soap, detergent, etc. throughout the period of construction.</p> | E | Item | |
| B.24 | <p>Allow lump sum for providing all necessary safety measures to workers at site conforming to the latest industrial safety regulations and as directed by the Engineer.</p> | E | Item | |
| B.25 | <p>Allow lump sum for making adequate provisions against air and noise pollution to surrounding area. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas as may be necessary</p> | E | Item | |
| B.26 | <p>Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period.</p> | E | Item | |
| B.27 | <p>Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and</p> <p><u>Security and Protection</u></p> | G | Item | |
| B.28 | <p>Allow lump sum for employing adequate number of security personnel and security systems on full time basis throughout the period of construction, and provide for necessary security lighting and warning system.</p> | E | Item | |
| B.29 | <p>Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the Works, Materials and Plant, as directed by the Engineer.</p> | E | Item | |
| B.30 | <p>Allow lump sum for providing and maintaining necessary fencing, hoarding to cover existing buildings to referring relevant drawings and as directed by the Engineer.</p> | E | Item | |

| No | Description | Mode of Payment Category | Unit | Amount |
|---|--|--------------------------|------|--------|
| B.31 | <p>Allow lump sum for protection of public and private services at site. The Contractor shall take due care to protect, water supply and drainage systems, telephone and overhead/buried electrical cables etc. whose locations are identified and made available to the bidder at the time of bidding, unless unmarked for demolition, during the execution of the Works. The Contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith.</p> <p><u>Services and Facilities</u></p> | E | Item | |
| B.32 | <p>Allow lump sum for supply storage and distribution of water for the Works and testing as may become required 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.</p> | E | Item | |
| B.33 | <p>Allow lump sum for supplying temporary electricity for the Works including connection from the mains or by generator, distribution system for the Works, internal arrangements and all payments to the authorities for consumption.</p> | E | Item | |
| B.34 | <p>Allow lump sum for providing hoisting equipment and other plant for the use of the Works on site.</p> | F | Item | |
| B.35 | <p>Allow lump sum for providing small machinery and equipment for the use of the Works at site.</p> <p>i. Concrete mixers ii. Poker Vibrators iii. Wheel Loaders iv. Mobile Cranes v. Hoists</p> | F | Item | |
| B.36 | <p>Allow lump sum for erecting and maintaining scaffolding and/or self climbing platforms. Such scaffolding etc. shall be removed on completion and all Works disturbed shall be made good.</p> <p><u>Miscellaneous</u></p> | F | Item | |
| B.37 | <p>Allow lump sum for stamp duty in accordance with the prevailing regulations of the Government.</p> | B | Item | |
| B.38 | <p>Allow lump sum for providing and maintaining a project name boards to the specifications and/or as directed by the Engineer.</p> | C | Item | |
| B.39 | <p>Allow lump sum for excavation for trial pits/ trial trenches as specified or as directed by the Engineer as for location services etc. and reinstating the ground and marking good disturbed work to the satisfaction of the Engineer.</p> | F | Item | |
| TOTAL FOR PRELIMINARIES CARRIED TO GRAND SUMMARY | | | | |

| No | Description | Qty | Unit | Rate | Amount |
|----|---|------|------|------|--------|
| C | <p>DEMOLITION WORK</p> <p>Bidder shall visit the site and gather all necessary information including quantities related to demolition work</p> <p>Debris arising from demolition shall be removed as soon as possible without leaving at the site</p> <p>Use of explosives or blasting on site in demolishing shall not be allowed</p> <p>The area or elements where the demolition works being executed shall be adequately barricaded in order to prevent entry of unauthorized personnel</p> <p>Any temporary shoring, propping, needling and incidental purchasing of any material required shall be allowed</p> <p>Bidder shall consider the salvage value of any materials that could be recovered from the demolished structures and services</p> <p>All underground structures shall be removed and void shall be filled with soil and well compacted to receive new foundation</p> <p>Contractor shall take all necessary safety precautions before starting the Works and during the progress of the works</p> <p>Existing service connections (Electricity, Water Supply and Drainage) shall be disconnected and properly secured with necessary switches, terminators or valves as appropriate</p> <p>Contractor shall be responsible for any loss or damage to the Works, existing structures, adjoining structures and unfixed materials</p> <p>Contractor shall be responsible for maintaining the Site in a clean and orderly manner at all times during the entire contract period</p> <p>Contractor shall be responsible in security of the Site</p> <p>Contractor shall be responsible for re-organizing works.</p> <p>Contractor shall be responsible in using dust control and noise control operations during demolition and shall not disturb the road traffic during removal of materials and debris arising from demolition</p> | Note | | | |

| No | Description | Qty | Unit | Rate | Amount |
|----|---|---|---|------|--------|
| | <p>Contractor is responsible in coordinating and obtaining necessary approvals and permits if necessary from statutory authorities required for the Works</p> <p>Any temporary work used during the Works shall be dismantled and cleared away from the Site on completion of the work</p> <p>All re-usable materials to be handed over to client & all other debris carted away from site.</p> <p>Rate to removal of existing septic tanks, soakage pits, paved areas & sub bases of it etc. also to be included to BOQ item</p> <p><u>Demolition of existing buildings</u></p> <p>C.1 Demolition of existing building including carefully removal of existing electrical and plumbing accessories and equipment, doors and windows, partitions if any, roof trusses, roof covering, floor concrete, concrete column structure, roof gutters and down pipes, suspended or sloping ceiling, paving blocks and kerbs and demolition of concrete or RRM foundations, floor concrete, brick or block walls with finishes etc. and removal of debris away from site and filling, leveling and compaction of voids etc.</p> | <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>1.00</p> | <p></p> <p></p> <p></p> <p></p> <p>Item</p> | | |
| | TOTAL FOR DEMOLITION WORK CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|--------|----------------|------|--------|
| | <u>Preparation of Site</u> | | | | |
| D.1 | Cleaning and removing all site vegetation under growth hedges & trees, stumps and all debris from site. Rate shall include demolishing and cart away the debris and elements of any existing structures off site. | 910.00 | m ² | | - |
| | <u>Excavation</u> | | | | |
| D.2 | Excavation for foundation from existing ground level, depth not exceeding 1m, in any material excluding rock requiring blasting, levelling and compacting the bottom of excavation, back filling and compactions and disposal of any surplus excavated materials. | 226.00 | m ³ | | - |
| D.3 | - Ditto - Depth exceeding 1m- 2m | 192.00 | m ³ | | - |
| D.4 | - Ditto - Depth exceeding 2m- 3m | 166.00 | m ³ | | - |
| D.5 | - Ditto - Depth exceeding 3m- 4m | 166.00 | m ³ | | - |
| D.6 | - Ditto - Depth exceeding 4m- 5m | 166.00 | m ³ | | - |
| D.7 | - Ditto - Depth exceeding 5m- 6m | 166.00 | m ³ | | - |
| D.8 | - Ditto - Depth exceeding 6m- 7m | 166.00 | m ³ | | - |
| D.9 | - Ditto - Depth exceeding 7m- 8m | 83.00 | m ³ | | - |
| | <u>Hard Earth Filling</u> | | | | |
| D.10 | Filling with imported hard earth, well rammed and consolidated using suitable roller to achieve 95% maximum dry density, in making levels under ground floor slab with 150mm thick layers. | 250.00 | m ³ | | - |
| D.11 | Ditto under rubble foundation - RF2 | 50.00 | m ³ | | - |
| | <u>Quarry Dust Filling</u> | | | | |
| D.12 | Compacted quarry dust filling in to the cylinders to achieve the bearing capacity of 125 kN/sq.m. and compaction procedure as per foundation recommended by the Geotechnical Engineer. | 875.00 | m ³ | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|--|--------|----------------|------|--------|
| D.13 | <p><u>Anti termite Treatment</u></p> <p>Allow for anti termite treatment for barrier and colony elimination at preconstruction stage. The service provider should hold a valid license for termite treatment issued from register Department of Agriculture. Rate to include for a complete treatment with</p> <ol style="list-style-type: none"> 1. Treatment before placing the foundation. 2. Treatment after placing floor concrete. 3. Treatment along the periphery of the building. The services provider should give minimum 10 years warranty against termite treatment. The service provider should submit the list of Termiticide intended to use for Engineer's approval. The following minimum requirements to be maintained. <ol style="list-style-type: none"> 1. Application rate 5l/m² 2. Termiticide Concentration : 12.5ml/L 3. Termite pump pressure rate : 250 psi <p>Treatment should cover both plinth & barrier treatment and quotation should cover the pre construction anti termite treatment & networking system for maintenance purpose.</p> <p>Rate shall include networking system for maintenance purpose.</p> <p>Application of anti termite treatment (Biflex or equivalent) under the ground floor slab and all foundation in accordance with the manufacture's specifications and to the approval of Engineer (Rechargeable system)</p> | 725.00 | m ² | | - |
| D.14 | <p><u>Dewatering</u></p> <p>Allow for dewatering all excavated area as directed by the Engineer, to keep excavation free of ground water, percolating water etc.</p> <p>Tenderer shall submit the calculations, based on available data, for the depth required for the cut- off wall to control the ground water inside and outside the shoring/ cut-off wall system to satisfy the specification.</p> | 1.00 | Item | | - |

| No | Description | Qty | Unit | Rate | Amount |
|----|--|--------|----------------|------|--------|
| | <p>Detail layout and spacing of drain trenches, filters and dewatering wells shall be decided by the Bidder, based on the actual conditions. Bidder is fully responsible for design and execution of shoring, cut-off wall dewatering system to fulfill the requirements of the specifications.</p> <p>All the dewatering wells and pipes to be filled with cement/ sand grout as directed.</p> <p>Allow for design and establishing a suitable dewatering system in a manner acceptable to the Engineer for surface water and ground water as necessary. The tenderer shall submit all details of his proposal indicating all technical details with the bid to the approval of the Engineer.</p> <p><u>Earth Work Supports</u></p> <p>D.15 Earth work supports system/ shoring system (planking & strutting/ sheet pile) to vertical sides for column pits and trench excavation area. Earth work support shall be designed according to the soil investigation, ground water level, other buildings and structures situated close to the site and as directed by the site Engineer. The bidder shall submit his proposal in detail with necessary calculations, method, type of equipment/ plant proposed to use, shop drawings, etc. along with the bid for the approval of Engineer.</p> | 750.00 | m ² | | - |
| | TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|--|-------|----------------|------|--------|
| F.6 | In column shaft | 5.00 | m ³ | | - |
| F.7 | In ground floor slab | 88.00 | m ³ | | - |
| F.8 | In strip under rubble foundation | 11.00 | m ³ | | - |
| F.9 | In tie beam | 26.00 | m ³ | | - |
| F.10 | In staircase footing including shaft | 1.00 | m ³ | | - |
| | <u>Work from ground floor to first floor level</u> | | | | |
| | Grade 25 reinforced concrete as per drawings and specifications in to the followings | | | | |
| F.11 | In column shaft | 18.00 | m ³ | | - |
| F.12 | In 1st floor slab | 85.00 | m ³ | | - |
| F.13 | In 1st floor beams | 52.00 | m ³ | | - |
| F.14 | In staircase including landing & landing beams | 4.00 | m ³ | | - |
| | <u>Work from first floor to attic floor level</u> | | | | |
| | Grade 25 reinforced concrete as per drawings and specifications in to the followings | | | | |
| F.15 | In column shaft | 14.00 | m ³ | | - |
| F.16 | In attic floor beams | 27.00 | m ³ | | - |
| F.17 | In staircase including landing & landing beams | 4.00 | m ³ | | - |
| | <u>Work from attic floor to Roof level</u> | | | | |
| | Grade 25 reinforced concrete as per drawings and specifications in to the followings | | | | |
| F.18 | In columns | 10.00 | m ³ | | - |
| F.19 | In water tank level slab | 5.00 | m ³ | | - |
| F.20 | In water tank level beam | 3.00 | m ³ | | - |
| F.21 | In roof beams | 14.00 | m ³ | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|--------|----------------|------|--------|
| | <p><u>Formwork</u></p> <p>Rate shall include for all necessary boarding, supporting, application of mould oil as necessary erecting, framing, cutting angles, cleaning, wetting and treatment before placing concrete and striking or removal etc. construction joints.</p> <p>All formwork shall be in plywood not less than 15mm thick with application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges. Scaffolding shall be adjustable G.I or steel, scaffolding system.</p> <p>Formwork of the slab soffit should be properly maintained to provide fair face finish on concrete surfaces without plastering.</p> <p><u>Work up to DPC level</u></p> <p>Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications.</p> | | Note | | |
| F.22 | Side of column base | 166.00 | m ² | | - |
| F.23 | Side of columns | 58.00 | m ² | | - |
| F.24 | Side of ground floor slab | 14.00 | m ² | | - |
| F.25 | sides of strip under rubble foundation | 26.00 | m ² | | - |
| F.26 | Sides of tie beam | 225.00 | m ² | | - |
| F.27 | In staircase footing with shaft | 8.00 | m ² | | - |
| | <p><u>Work from ground floor to first floor level</u></p> <p>Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications.</p> | | | | |
| F.28 | Sides of columns | 316.00 | m ² | | - |
| F.29 | Sides & soffit of 1st floor slab | 691.00 | m ² | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|--------|----------------|------|--------|
| F.30 | Sides & soffit of 1st floor beams | 431.00 | m ² | | - |
| F.31 | Sides & soffit of staircase including landing & landing beams | 11.00 | m ² | | - |
| | <u>Work from first floor to attic floor level</u> | | | | |
| | Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications | | | | - |
| F.32 | Sides of columns | 243.00 | m ² | | - |
| F.33 | Sides & soffit of attic floor beams | 233.00 | m ² | | - |
| F.34 | Sides & soffit of staircase including landing & landing beams | 11.00 | m ² | | - |
| | <u>Work from attic floor to Roof level</u> | | | | |
| | Formwork in 15mm thick plywood, application of mould oil or laid on polythene layer with suitable laps to prevent leaking with suitable up stand at edges complete as per the detailed drawing and specifications. | | | | - |
| F.35 | Sides of columns | 89.00 | m ² | | - |
| F.36 | Sides & soffit of water tank level slab | 20.00 | m ² | | - |
| F.37 | Sides & soffit of water tank level beam | 25.00 | m ² | | - |
| F.38 | Sides & soffit of roof beams | 118.00 | m ² | | - |
| | <u>Reinforcement</u> | | | | |
| | The size of reinforcement rods described in the drawing or elsewhere shall be minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured with the quantities. | | Note | | |
| | All reinforcement shall be free from dirt, oil, paint, grease, or loose rust before fixing in position and shall be brushed with stiff wire brush. | | Note | | |

| No | Description | Qty | Unit | Rate | Amount |
|------|--|----------|------|------|--------|
| | Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus. | | Note | | |
| | Rate shall include for cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers and binding wire, ties, spaces, chairs. | | Note | | |
| | <u>Work below up to DPC level</u> | | | | |
| | Reinforcement as per drawings and specifications in to the followings | | | | |
| F.39 | In concrete cap for cylinder | 300.00 | kg | | - |
| F.40 | In column base | 450.00 | kg | | - |
| F.41 | In columns | 850.00 | kg | | - |
| F.42 | In ground floor slab | 2,140.00 | kg | | - |
| F.43 | In strip under rubble foundation | 150.00 | kg | | - |
| F.44 | In tie beam | 2,375.00 | kg | | - |
| F.45 | In staircase footing | 100.00 | kg | | - |
| | <u>Work from ground floor to first floor level</u> | | | | |
| | Reinforcement as per drawings and specifications in to the followings | | | | |
| F.46 | In columns | 2,115.00 | kg | | - |
| F.47 | In 1st floor slab | 5,740.00 | kg | | - |
| F.48 | In 1st floor beams | 5,390.00 | kg | | - |
| F.49 | In staircase including landing & landing beams | 700.00 | kg | | - |
| | <u>Work from first floor to attic floor level</u> | | | | |
| | Reinforcement as per drawings and specifications in to the followings | | | | |
| F.50 | In columns | 2,195.00 | kg | | - |
| F.51 | In attic floor beams | 3,460.00 | kg | | - |
| F.52 | In staircase including landing & landing beams | 700.00 | kg | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|----------|----------------|------|--------|
| | <u>Work from attic floor to Roof level</u> | | | | |
| | Reinforcement as per drawings and specifications in to the followings | | | | |
| F.53 | In columns | 2,225.00 | kg | | - |
| F.54 | In water tank level slab | 500.00 | kg | | - |
| F.55 | In water tank level beam | 880.00 | kg | | - |
| F.56 | In roof floor beams | 2,060.00 | kg | | - |
| | <u>Miscellaneous</u> | | | | |
| | <u>Damp proof membrane</u> | | | | |
| F.57 | Supply and lay 1000 gauge polythene layer on compacted sand/quarry dust layer Rate shall include for 150mm lap length. | 700.00 | m ² | | - |
| | <u>Precast Cylinders</u> | | | | |
| | Supply and placed in position of precast cylinders as per the detail drawings and specifications. Rate shall include necessary r/f & f/w for casting precast cylinders. | | | | |
| F.58 | 900mm dia. 600mm high, 125mm thick precast cylinders | 66.00 | nr | | - |
| F.59 | 1200mm dia. 600mm high, 125mm thick precast cylinders | 616.00 | nr | | - |
| F.60 | 1500mm dia. 600mm high, 125mm thick precast cylinders | 308.00 | nr | | - |
| | <u>Lintels</u> | | | | |
| | 200 x 150 size reinforced concrete lintels, rate shall include for concreting, form work, reinforcement and completing to working order | | | | |
| F.61 | In ground floor level | 51.00 | m | | - |
| | 150 x 150 size reinforced concrete lintels, rate shall include for concreting, form work, reinforcement and completing to working order | | | | |
| F.62 | In first floor level | 63.00 | m | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|--|-------|------|------|--------|
| | <p><u>Work Top Slab</u></p> <p>50 mm thick and 600mm wide grade 25 in-situ concrete work top slab on and including form work for soffit and sides; 10mm dia. Tor steel bars @ 150mm c/c in both ways, soffit of slab to be finished with two coats of filler and two coats of emulsion paint, all as per detail drawings and specifications. (Work top and back plash finish measured separately)</p> | | | | |
| F.63 | In ground Floor | 3.00 | m | | - |
| F.64 | In first floor level | 3.00 | m | | - |
| | <p><u>Sun shade slabs</u></p> <p>100mm thick and 600mm wide grade 25 in-situ concrete sun shade slab above on windows including form work for soffit and sides; 10mm dia. Tor steel bars @ 150mm c/c in both ways as per the detail drawings and specifications</p> | | | | |
| F.65 | In ground Floor | 16.00 | m | | - |
| F.66 | In first floor level | 30.00 | m | | - |
| | TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|----------|---|--------|----------------|------|--------|
| G | <u>MASONRY WORK</u> | | | | |
| | The Bidders are requested to refer Bills of Quantities, General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Contract Data and other relevant documents prior to pricing of this section of work | | Note | | |
| | Rate shall include for reinforcement concrete vertical and horizontal stiffeners for all 100mm walls exceeding 3m length and 3m in height. | | Note | | |
| | Rate shall include for scaffoldings. | | Note | | |
| | Rate shall include for extra material and labour for curved wall. | | Note | | |
| | Bidder shall finish the exterior and interior surface of blocks work neatly strictly as per the instruction of the Engineer. | | Note | | |
| | Masonry shall include stiffener columns where necessary. | | Note | | |
| | Compressive strength of hollow block s shall be minimum 1.5 N/ mm ² . | | Note | | |
| | <u>Work Bellow Ground Level</u> | | | | |
| | <u>Rubble Works</u> | | | | |
| G.1 | Random rubble (150 x 225mm size) masonry wall foundation in cement and sand 1:5 mortar. Rate shall include for finishing exposed surface | 35.00 | m ³ | | - |
| | <u>Block Work</u> | | | | |
| | <u>Work from ground floor to first floor</u> | | | | |
| G.2 | 200mm thick. hollow block wall in cement and sand 1:5 mortar | 260.00 | m ² | | - |
| G.3 | 150mm thick. hollow block wall in cement and sand 1:5 mortar | 130.00 | m ² | | - |
| | <u>Work from first floor to Roof floor</u> | | | | |
| G.4 | 150mm thick. hollow block wall in cement and sand 1:5 mortar | 890.00 | m ² | | - |
| | TOTAL FOR MASONRY WORK CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|----|--|-----|---|------|--------|
| H | <p><u>WATER PROOFING</u></p> <p>The Bidders are requested to refer Bills of Quantities, General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Contract Data and other relevant documents prior to pricing of this section of work</p> <p>Asphalt work to be carried out by a specialist sub Bidder acceptable to the Engineer</p> <p>Shop drawings to be submitted for prior approval of the Engineer</p> <p>The tenderer shall submit the most suitable waterproofing system as specified to suit for different surfaces at location technically acceptable to the Engineer.</p> <p>The tenderer shall submit the following technical details along with the tender;</p> <p>(a) Type of waterproofing. (b) Brand name. (c) Country of origin. (d) Method of application. (e) Detail of guarantee (format) (f) Suitability to the nature of the surfaces. (g) Technical literature</p> <p>All toilets, external balconies, roof terrace should be water proofed as per the specification given.</p> <p>Rates shall include the protective screed, grounds, rules, internal angles, fillet, external angles and exposed circular edges chases for trucking in etc.</p> <p>Rate shall include cutting top line, notching bending and extra materials for lapping.</p> <p>All plumbing work must be finished before water proofing & checking is required for 3-days ponding by filling water.</p> <p>The main Civil Contractor shall carry out civil work related to water proofing work coordinating with the specialist water proofing Bidder, and provide finishes for the items included below such as screed etc. to the satisfaction of the specialist water proofing Bidder.</p> | | <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> | | |

| No | Description | Qty | Unit | Rate | Amount |
|-----|--|-------|----------------|------|--------|
| H.1 | <p><u>Water Tank Slab</u></p> <p>Application of approved touch on type water proofing membrane with angle fillet corner edging, up to 300mm on walls from floor level as per manufacture's instruction to floor in exposed roof slab. Rate shall include 50mm thick grade 20 concrete screed with 50x50mm square mesh, protective screed & levelling screed as per the Engineer's instruction</p> <p>In water tank slab</p> | 35.00 | m ² | | - |
| | TOTAL FOR WATER PROOFING CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|--|--------|----------------|------|--------|
| L | <p><u>CARPENTRY AND JOINERY-WOOD WORK</u></p> <p>The Bidders are requested to refer Bills of Quantities, General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Contract Data and other relevant documents prior to pricing of this section of work</p> <p>Contractor shall check all the dimension given on the drawings at site and shall submit necessary shop drawings, samples & technical data for approval by the consultant 02 weeks prior to implementing of work.</p> <p>All timber members to be finished with 02 coats of sealant (min.) & 02 coats of water base matt finished varnish</p> <p>Rates shall include for cutting, notching, drilling, linkage, trimming forming, joining, splayed edges and the like including fixing in position complete with all nails, spikes and screws and priming to joints and ends.</p> <p>All timber shall be, well seasoned, treated for insect attacks to the following unless otherwise specified in detailed drawing.</p> <p>All timber sizes shown here is finished sizes without any allowance for planning.</p> <p>All timber members shall be Class I timber</p> <p><u>Timber Decking @ Attic Floor</u></p> | | Note | | |
| L.1 | <p>Supply and fixed timber decking comprising with 50x100 timber section @ 900mm c/c and 25mm thick timber flooring ad per the drawings and specifications. Rate shall include necessary paint coating as per the Engineers instructions.</p> | 265.00 | m ² | | - |
| | TOTAL FOR CARPENTRY AND JOINERY CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|----------|---|----------|------|------|--------|
| K | <u>STRUCTURAL STEEL WORK</u> The Bidders are requested to refer Bills of Quantities, General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Contract Data and other relevant documents prior to pricing of this section of work <u>Steel Beam @ Attic Floor</u> | | Note | | |
| K.1 | Supply, fabrication and erecting of IB1 - 250x125 x 29.6 kg/m beam as per the detailed drawings and specifications. Rate shall include for all necessary fixing materials such as anchor bolts, shoe plates, base plates, fillets, splices, specified coatings, painting etc. to the completion and approval of the Engineer. | 1,700.00 | Kg | | - |
| | <u>Roof Truss-TR1</u> | | | | |
| K.2 | Modification of existing steel truss and reuse for roof construction including top chord (2/50x50x5mm) extension for both side and strengthen of middle Langles (2/25x25x3mm) as per the Drawings and Specifications. Rate shall include for all necessary fixing materials such as anchor bolts, shoe plates, base plates, fillets, splices, specified coatings, painting etc. to the completion and approval of the Engineer. | 6.00 | nr | | - |
| | <u>Roof Truss-TR2</u> | | | | |
| K.3 | Erection of existing roof truss as per the Drawings and Specifications. Rate shall include for all necessary fixing materials such as anchor bolts, shoe plates, base plates, fillets, splices, specified coatings, painting etc. to the completion and approval of the Engineer. | 1.00 | nr | | - |
| K.4 | Supply, fabricate and erection of 50 x 50 x 5mm 'L' angle for brazing as per the Drawings and Specifications. Rate shall include for all necessary fixing materials such as anchor bolts, shoe plates, base plates, fillets, splices, specified coatings, painting etc. to the completion and approval of the Engineer. | 140.00 | m | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|---|--------|------|------|--------|
| K.5 | <p>Purlins</p> <p>Supply and fix 150 x 65 x 20x2mm size "C" purling (lipped channel) to steel roof beam with 6mm cleat and necessary nut and bolts at 1200mm centers as per the detail drawings. Rate shall include two coats of</p> | 650.00 | m | | - |
| K.6 | <p>Tie rods</p> <p>Supply, fabricate and installation 10mm dia tie rods as per the manufactures specifications.</p> | 120.00 | m | | - |
| | <p>TOTAL FOR STRUCTURAL STEEL WORKCARRIED FORWARD TO SUMMARY</p> | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|---|--------|----------------|------|--------|
| P | <p><u>ROOF COVERING AND ROOF PLUMBING</u></p> <p>Rate shall include for approved fasteners, all types of approved screws, fixing accessories, arrangements to complete each installation work listed below.</p> <p>Rates shall include for connecting roof and roof structure to existing roof including necessary and temporary removal of sheets, jointing purlins, members etc. to completion</p> <p>Zn/Al roofing sheets shall supply and installed strictly according to the manufacturer's technical specification to the Engineer's approval with providing 10 years warranty issued in the name of the Employer.</p> | Note | | | |
| P.1 | <p><u>Roof Covering</u></p> <p>Supply and installation of 0.47mm thick Zn/Al , AZ 200 roofing sheets with ridge, fixing accessories, arrangements, screws, washers and like to complete the installation as per the Drawings and Specifications. Rate shall include 0.5mm thick Zn/Al ridge covering.</p> | 765.00 | m ² | | - |
| P.2 | <p>Supply and lay 50mm thick double sided laminated rockwool insulation (48 kg/m³) layer with 75mm x 75mm gauge 18 GI mesh on lipped channels as per the detailed drawings and specifications</p> | 765.00 | m ² | | - |
| P.3 | <p><u>Valance Board/ Barge Board</u></p> <p>Supply and installation of GI framed Zn/Al sheet valance board including all necessary fixing accessories, arrangements, screws, washers, anchors and like to complete the installation as per the drawings and Specifications.</p> | 100.00 | m | | - |
| P.4 | <p><u>Flashing</u></p> <p>Supply and installation of 0.47mm thick Zn/Al flashing including all necessary fixing accessories, arrangements, screws, washers, anchors and like to complete the installation as per the drawings and Specifications.</p> | 24.00 | m | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|--|--------|----------------|------|--------|
| P.5 | Supply and installation of sized 200x350mm Zn/Al sheet gutter including all necessary fixing accessories, arrangements, screws, washers, anchors and like to complete the installation as per the drawings and Specifications. | 75.00 | m | | - |
| P.6 | Supply and installation of 150x150mm size Zn/Al sheet downpipe fixed to walls including GI brackets with beading at 900mm centers, screws, washers, fittings, lapping, Approved welding and jointing etc. to completion as per the Drawings and Specifications. | 250.00 | m | | - |
| | <p><u>Light Weight Roof</u></p> <p>Supply and install Light weight roof with necessary frame work as per the detail drawings & specification.</p> | 50.00 | m ² | | - |
| | TOTAL FOR ROOF COVERING AND ROOF PLUMBING CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|---|----------|----------------|------|--------|
| T | <p><u>FLOOR, WALL & CEILING FINISHES</u></p> <p>The tenderers are requested to refer the general notes, pricing preambles, drawings, specifications, conditions of contract, special conditions of contract and all other relevant documents prior to pricing of the following items.</p> <p>Rates shall include for door and window reveals, plaster bands, tapered work, recesses, patterned work and the like. No additional payment shall be made.</p> <p>Contractor shall refer the finishing schedule and the Specification for relevant areas and finishes.</p> <p>Rate for plastering shall include for providing expanded joints, plastering the reveals, mouldings, etc.; as per the detailed drawings.</p> <p>Rates shall include for preparation of surfaces for proper bonding</p> <p>Rate shall include for measures to provide suitable bonding between different surfaces such as concrete and bricks/blocks surfaces as per specification. rates shall include for all tile specials such as corners, edges etc.</p> <p><u>Wall Finishes</u></p> <p>Rates for plastering shall includes for forming doors and windows reveals.</p> <p>Rates for plastering shall includes for expanded metal lath at different mode of materials used.</p> <p><u>Internal wall plaster</u></p> <p>16mm thk. 1:5 cement sand plaster finished smooth to trowel, on internal faces of brick walls and attached concrete surfaces, rate shall include door and window reveals, rebates and groves as per the detail drawings and specifications.</p> | | Note | | |
| T.1 | In ground floor | 550.00 | m ² | | - |
| T.2 | In 1st floor level | 1,427.00 | m ² | | - |

| No | Description | Qty | Unit | Rate | Amount |
|-----|---|--------|----------------|------|--------|
| | <p><u>External wall plaster</u></p> <p>20mm thk. 1:5 cement sand semi rough plaster finished, on external faces of brick walls and attached concrete surfaces, rate shall include door and window reveals, rebates and groves as per the detail drawings and specifications.</p> | | | | |
| T.3 | In ground floor | 281.00 | m ² | | - |
| T.4 | In 1st floor level | 410.00 | m ² | | - |
| | TOTAL FOR MASONRY WORK CARRIED TO SUMMARY | | | | - |

| No | Description | Qty | Unit | Rate | Amount |
|----|---|-----|---|------|--------|
| Y | <p>DAY WORKS</p> <p>The Bidders are requested to refer Bills of Quantities, General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Contract Data and other relevant documents prior to pricing of this section of work</p> <p>Unless noted otherwise payments on daywork rates are not subject to price adjustment.</p> <p>During execution of the respective work ordered under daywork by the Engineer, the Bidder shall maintain daily records of such daywork and get certified by the Engineer's representative. The dayworks record shall be on agreed format by the Engineer.</p> <p>Overhead and profit percentage included in the rates of Labour, Material and Plant shall be shown separately at the end of each section of Labour, Material and Plant bills.</p> <p>Daywork Labour</p> <p>The rates for labour shall be deemed to cover all costs to the Bidder including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or amount of wages paid to or on behalf of such labour for social benefits in accordance with Sri Lankan Law, as well as Bidder's overheads charges and profit, superintendence, liabilities and insurance and allowance to labour, time keeping and clerical and office work, the use of consumable stores, water, lighting and power, scaffolding, workshops and stores, portable power tools, manual plant and tools, supervision by the Bidder's staff, foremen and other supervisory personnel and charges incidental to the foregoing.</p> <p>Bidder entitles day work labour hours directly engaged on the particular daywork item executed at the site (start of the work item and departure from the work item). Meal and rest break period shall be excluded. The time of gangers (charge hands) actually doing work with the gangs will also be measured but not the time of foremen or other supervisory personnel.</p> | | <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> | | |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|------|------|------|--------|
| | <p>Daywork Material</p> <p>The rates for material shall be deemed to include overhead charges and profit and cost and other expenses inspect of insurance, handling expenses, damage, losses, waste etc., and shall provide for delivery to store for stock piling at the site etc.</p> | | Note | | |
| | <p>Daywork Plant</p> <p>The rates for plant shall be deemed to include due and complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables. cost of bringing to site and bringing back shall include cost of operators, drivers and helpers input during transport and overhead chargers and profit. The cost of drivers, operators and assistants will be paid for separately as described under the section of Daywork labour.</p> | | Note | | |
| | <p>Bidder is entitled only for the actual number of working hours that the respective plant items used for the work.</p> | | Note | | |
| | <p>Daywork Labour</p> | | | | |
| Y.1 | Driver for vehicle up to 14 ton. | 1.00 | hour | | - |
| Y.2 | Operator for Concrete Mixer. | 1.00 | hour | | - |
| Y.3 | Operator for Concrete Pump. | 1.00 | hour | | - |
| Y.4 | Operator for Plate Compactor. | 1.00 | hour | | - |
| Y.5 | Operator for Poker Vibrator. | 1.00 | hour | | - |
| Y.6 | Operator for Air Compressor. | 1.00 | hour | | - |
| Y.7 | Operator for Compressed Air Operated Breaker (Heavy duty). | 1.00 | hour | | - |
| Y.8 | Operator for Mobile Crane. | 1.00 | hour | | - |
| Y.9 | Operator for Tipper Truck. | 1.00 | hour | | - |
| Y.10 | Operator for Baby Dumper. | 1.00 | hour | | - |
| Y.11 | Operator for Water Pumps. | 1.00 | hour | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|--|------|----------------|------|--------|
| Y.12 | Operator for Excavator. | 1.00 | hour | | - |
| Y.13 | Operator for Hydraulic Rock breaker. | 1.00 | hour | | - |
| Y.14 | Unskilled Worker. | 1.00 | hour | | - |
| Y.15 | Semiskilled Worker. | 1.00 | hour | | - |
| Y.16 | Mason. | 1.00 | hour | | - |
| Y.17 | Carpenters. | 1.00 | hour | | - |
| Y.18 | Joiner. | 1.00 | hour | | - |
| Y.19 | Barbender. | 1.00 | hour | | - |
| Y.20 | Welder. | 1.00 | hour | | - |
| Y.21 | Electrician. | 1.00 | hour | | - |
| Y.22 | Plumber/Pipe fitter | 1.00 | hour | | - |
| Y.23 | Plasterer/ Tile fixer | 1.00 | hour | | - |
| Y.24 | Painter | 1.00 | hour | | - |
| Y.25 | Fitter Ductwork | 1.00 | hour | | - |
| Y.26 | Aluminum fabricator | 1.00 | hour | | - |
| | Daywork Material | | | | |
| Y.27 | Cement (50kg) | 5.00 | bags | | - |
| Y.28 | River Sand. | 1.00 | m ³ | | - |
| Y.29 | Metal 20mm. | 1.00 | m ³ | | - |
| Y.30 | Metal 25mm. | 1.00 | m ³ | | - |
| Y.31 | Local timber for temporary work (Ditto). | 0.50 | m ³ | | - |
| Y.32 | Reinforcing steel high yield steel (fy=460 N/mm ²) | 0.10 | t | | - |
| Y.33 | Reinforcing steel mild steel (fy=250 N/mm ²). | 0.10 | t | | - |
| Y.34 | 12 mm Plywood sheet | 1.00 | m ² | | - |
| Y.35 | 16 mm Plywood sheet | 1.00 | m ² | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|--------|-------|------|--------|
| Y.36 | Bricks | 100.00 | Nrs | | - |
| Y.37 | 1000 gauge polythene | 1.00 | kg | | - |
| Y.38 | Slaked lime (40kg) | 1.00 | Bag | | - |
| Y.39 | External paint - CIC or equivalent | 1.00 | Ltr | | - |
| Y.40 | Internal paint - CIC or equivalent | 1.00 | Ltr | | - |
| Y.41 | Enamel paint - CIC or equivalent | 1.00 | Ltr | | - |
| | Daywork Plant | | | | |
| Y.42 | Generator (up to & including 200kw). | 1.00 | hours | | - |
| Y.43 | Concrete Mixer, Capacity 7/5 closed drum with hopper any type of drive, fuel and all consumable stocks and spares | 1.00 | hours | | - |
| Y.44 | Ditto - Capacity 10/7 - do | 1.00 | hours | | - |
| Y.45 | Motor Lorry, capacity 3 Ton tipper including fuel, all consumable stocks and spares | 1.00 | hours | | - |
| Y.46 | Lorry mounted mobile crane, capacity 150 Ton tipper including fuel, all consumable stocks and spares | 1.00 | hours | | - |
| Y.47 | Pick up Truck 1 Ton including fuel all consumable stocks and spares | 1.00 | hours | | - |
| Y.48 | Welding machine including all consumable stocks and spares single operator 400 amps. | 1.00 | hours | | - |
| Y.49 | Tractor + trailer including -do | 1.00 | hours | | - |
| Y.50 | Shovel (capacity.....) Including -do | 1.00 | hours | | - |
| Y.51 | Jack hammer (capacity.....) Including -do | 1.00 | hours | | - |
| Y.52 | Motar Grader (capacity.....) Including -do | 1.00 | hours | | - |
| Y.53 | Bowers (capacity.....lt) Including -do | 1.00 | hours | | - |
| Y.54 | Poker Vibrator (50, 40, 32 & 25mm). | 1.00 | hours | | - |
| Y.55 | Mobile Crane [5 t (60 ft boom)]. | 1.00 | hours | | - |
| Y.56 | Tipper Truck (5m ³). | 1.00 | hours | | - |

| No | Description | Qty | Unit | Rate | Amount |
|------|---|------|-------|--------|--------|
| Y.57 | Dumper including fuel, all consumable stocks and spares, capacity 0.5 cubic yard. | 1.00 | hours | | - |
| Y.58 | Water Pumps (5,000 gallons per hour). | 1.00 | hours | | - |
| Y.59 | Hoisting equipment. | 1.00 | hours | | - |
| Y.60 | Concrete pump. | 1.00 | hours | | - |
| Y.61 | Plate compactor. | 1.00 | hours | | - |
| Y.62 | Air compressor (125 Cum) any type of drive, including fuel, water, all consumable stocks, spares, hoses and jack hammers. | 1.00 | hours | | - |
| Y.63 | Ditto - (175 Cum)-do | 1.00 | hours | | - |
| Y.64 | Ditto - (300 Cum)-do | 1.00 | hours | | - |
| Y.65 | Mud Pumps (1,000 gallons per hour). | 1.00 | hours | | - |
| | Profits and Overheads (.....%) | | |% | - |
| | TOTAL FOR DAY WORKS CARRIED TO SUMMARY | | | | - |

SECTION – 9
SCHEDULES

Schedule 1- General Information

(1) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre- qualification application.

(2) For Joint Ventures, each joint venture partner shall furnish information separately.

| ITB Clause Reference | Description | Information <i>(to be filled by Bidder)</i> | Remarks |
|-----------------------------|---|--|--|
| 4.1(a) | Legal Status | | <i>Provide certified copies of Registration</i> |
| | Written power of attorney to the signatory to the bid | <i>Provide original or certified copy of the power of attorney attested by a Notary and Label as attachment to Clause 4.1(a)</i> | |
| | If a Joint Venture, names and addresses of Joint Venture partners | 1..... 2..... 3..... | Provide draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding |
| | If a Joint Venture, name of the Lead Partner | | |
| | <i>For Joint Ventures, each joint venture partner shall furnish legal status separately</i> | | |
| | Name (lead partner) | | <i>Provide certified copies and label as attachment to Clause 4.1(a)</i> |
| | Legal status | | |
| | Place of registration | | |
| | Principle place of business | | |
| | Written power of attorney of the signatory to the Bid | <i>Provide original or certified copy of the power of attorney attested by a Notary and Label as attachment to Clause 5.1</i> | |

| | | | |
|----------------|---|---|---|
| | VAT Registration Number | | |
| | Name (Partner 2) | | <i>Provide certified copies and label as attachment to Clause 4.1(a)</i> |
| | Legal status | | |
| | Place of registration | | |
| | Principal place of business | | |
| | Written power of attorney of the signatory to the Bid | <i>Provide original or certified copy of the Power of Attorney attested by a Notary and label as attachment to Clause 4.1 (a)</i> | |
| | VAT Registration Number | | |
| | Name (Partner 3) | | <i>Provide certified copies and label as attachment to Clause 4.1(a)</i> |
| | Legal status | | |
| | Place of registration | | |
| | Principle place of business | | |
| | Written power of attorney of the signatory to the Bid | <i>Provide original or certified copy of the Power of Attorney attested by a Notary and Label as attachment to Clause 4.1 (a)</i> | |
| | VAT Registration No. | | |
| 4.2 (a) | CIDA Registration | | <i>Provide certified copies and label as attachment to Clause 4.2 (a)</i> |
| | Registration number | | |
| | Grade | | |
| | Specialty | | |
| | Expiry Date | | |

Schedule 2 – Annual Turn-over Information

(Construction only - Last five years)

(1) If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application

(2) For joint ventures, each partner shall submit the information separately

| Year | Turnover | Remarks |
|------|----------|--|
| 1 | | Attach audited reports and label as attachment to Clause 4.2 |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

Schedule 3 – Adequacy of Working Capital

If pre-qualification is done the bidders are required to include information subsequent to that submitted with the pre-qualification application

| Source of Credit Line | Amount | Remarks |
|-----------------------|--------|--|
| | | Provide documentary evidence and label as attachment to Clause 4.2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | |

Schedule 6 – Construction Management Staff

A: Key Professionals

| Name | Position | Task |
|------|----------|------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

B:Support Staff

| Name | Position | Task |
|------|----------|------|
| | | |
| | | |
| | | |
| | | |

SECTION – 10

DRAWINGS

(Drawing attached separate folder)

SECTION – 11
STANDARD FORMS (BID)

FORM OF BID SECURITY

[This Guarantee form shall be filled in accordance with the instructions indicated in brackets]

..... [insert issuing agency's name, and address of issuing branch or office]

Beneficiary: The Director General,
Sri Lanka Institute of Textile & Apparel (SLITA)
Kandawala Estate, No.2, Gen. Sir John Kotalawela Road, Ratmalana.

Date: [insert (by issuing agency) date]

BID GUARANTEE No.: [insert (by issuing agency) number]

We have been informed that..... [insert (by issuing agency) name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated [insert (by issuing agency) date] (hereinafter called "the Bid") for the execution of [insert name of Contract] under Invitation for Bids No. (insert IFB number) ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we [insert name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [insert amount in figures] [insert amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB") of the IFB or
- (c) having been notified of the acceptance of its Bid by the Employer/Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to..... (insert date⁵⁶)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.....