

DRAFT

**TENDER DOCUMENTS
OF
CONSTRUCTION WORK
FOR
OPEN AREA FOR LANDING & AUCTION SPACE,
CANTEEN AND THE WELFARE SHOP
IN
GALLE FISHERY HARBOUR
DAMAGED BY TSUNAMI DISASTER**

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- 1. INSTRUCTIONS TO TENDERERS**
 - 2. CONTRACT AGREEMENT**
 - 3. GENERAL CONDITIONS**
 - 4. PARTICULAR CONDITIONS**
 - 5. FORM OF PERFORMANCE SECURITY**
 - 6. LETTER OF TENDER AND APPENDIX TO TENDER**
 - 7. SPECIFICATIONS AND DRAWINGS**
 - 8. BILL OF QUANTITIES AND SCHEDULES**
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1. INSTRUCTIONS TO TENDERERS

CONTENTS

Chapter 1 Introduction.....	1
1. The Purpose of TENDER	1
2. Qualification of Tenderers.....	1
3. Description of the Project.....	1
4. Scope of Works	2
5. Completion date of the Work	2
6. Acquaintance with Local Conditions	2
Chapter 2 tender Documents	3
1. Composition of tender Documents	3
2. Responsibility of tenderERS	3
3. Clarification of tender Documents.....	3
4. Addenda OF Tender Documents.....	4
Chapter 3 Preparation and Submission of Tender	5
1. Preparation of Tender.....	5
2. Tender Prices	7
3. Term of Validity of Tender	7
4. Submission of Tender.....	7
5. Interpretation of Tender	8
Chapter 4 Opening of Tender.....	9
1. Introduction.....	9
2. Tender Opening Procedures	9
Chapter 5 Evaluation of Tender and Award of Contract.....	10
1. Evaluation of Tender	10
2. Clarification or Alternation of Tender	10
3. Process TO BE Confidential	10

4. Contact with the Employer.....	11
5. Letter of Acceptance.....	11
6. Signing of Contract.....	11
7. Performance Security	12
8. Notification of the Result of Tender	12
Chapter 6 Common Conditions	13
1. Safety Procedure.....	13
2. Protection of the Environment	13
(Form A)	14
(Form B)	15

INSTRUCTIONS TO TENDERERS

CHAPTER 1 INTRODUCTION

1. THE PURPOSE OF TENDER

- (1) For the purpose of contributing to the execution of the Project for Reconstruction of Police Station Buildings Damaged by Tsunami Disaster (hereinafter referred to as “the Project”), in its current portion of the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as “the Programme”) under Japan’s Grant aid to the Government of the Democratic Socialist Republic of Sri Lanka in accordance with the Exchange of Notes signed on the 17th day of January, 2005 between the Government of Japan (the Donor) and the Government of the Democratic Socialist Republic of Sri Lanka (the Recipient).
- (2) The Project consists of **the Rehabilitation of Landing & Auction space, Canteen and the Welfare Shop in Galle Fishery Harbour** consisting as following component;
 - **Construction of Auction hall, Canteen & Welfare Shop building and other related facilities**
 - **Demolishing of existing concrete and steel structures**
- (3) On behalf of the Government of the Democratic Socialist Republic of Sri Lanka, Japan International Cooperation System (JICS) (hereinafter referred to as “the Employer”) as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, will invite the eligible Tenderers provided in Clause 2 of this Chapter to Tender for Construction Work for the Project.
- (4) The Execution Agency of the Project shall be the **Ministry of Fisheries & Aquatic Resources** in the Democratic Socialist Republic of Sri Lanka.

2. QUALIFICATION OF TENDERERS

Tenderers shall be construction firms and companies who were invited to participate in the tendering process by the Employer and obtained the Tender Documents.

3. DESCRIPTION OF THE PROJECT

- (1) The Employer takes responsibility for implementing the Project, with the **technical tender evaluation services** provided by the Consultant who is designated by the Employer through the tendering process for the Project (hereinafter referred to as the “Consultant”).

- (2) The Project will contribute to the **recovery of fishery sector rehabilitation through rehabilitation of Landing & Auction space, Canteen and the Welfare Shop construction in Galle Fishery Harbour's** appointed areas.
- (3) The Tenderer, if awarded, shall proceed with the work in accordance with the detailed design and drawings in the Tender Documents.

4. SCOPE OF WORKS

The scope of works of the Project covered by this Tendering (hereinafter referred to as "the Work") of the Project consists of the following:

- **Construction of Auction hall & Canteen and Welfare Shop and other related facilities**

Details of the Work shall be stipulated in due conformity with the Specifications of the Tender Documents.

5. COMPLETION DATE OF THE WORK

The Work shall be completed within **10 calendar months** from the date of award of contract.

6. ACQUAINTANCE WITH LOCAL CONDITIONS

- (1) The Project Site is located in Southern province, Galle District, Galle division.
- (2) To the extent practicable (taking into account of cost and time), the Tenderers shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances that may influence or affect the Tender or to have inspected and examined the Project Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):
 - 1) the form and nature of the Project Site, including sub-surface conditions,
 - 2) the hydrological and climatic conditions,
 - 3) the extent and nature of the Work and goods necessary for the execution and completion of the Work and remedying of any defects,
 - 4) the laws, procedures and labor practices of the country, and
 - 5) the Contractor's requirement for access, accommodation, facilities, personnel, power, transport, water and other services.

CHAPTER 2 TENDER DOCUMENTS

1. COMPOSITION OF TENDER DOCUMENTS

The Tender Documents are composed of the following:

- (1) Instructions to Tenderers
- (2) Contract Agreement
- (3) General Conditions
- (4) Particular Conditions
- (5) Form of Performance Security
- (6) Letter of Tender and Appendix to Tender
- (7) Specifications and Drawings
- (8) Bill of Quantities and Schedules

The documents are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, it shall be interpreted in accordance with the above-mentioned sequence as an order of priority.

2. RESPONSIBILITY OF TENDERERS

- (1) Tenderers shall examine carefully the Tender Documents to understand fully the content of the Work including the amounts and any difficulties or restrictions that may affect the execution and completion of the Work.
- (2) Tenderers shall be liable for any failure or negligence to obtain reliable and necessary information for successful execution or completion of the Work.

3. CLARIFICATION OF TENDER DOCUMENTS

- (1) Any inquiries on the Tender Document or any doubts as to its interpretation shall be written in English and sent to the **Employer** by facsimile on or before 17:00 on the **3rd day of June, 2005**
- (2) The Employer shall respond in writing to the inquiry and/or expressed doubt on interpretation. The responses will be sent by facsimile to all prospective Tenderers who purchased the Tender Documents on the **9th day of June, 2005**.
- (3) All prospective Tenderers shall send a facsimile to the **Employer** for the confirmation of the receipt.

- (4) The responses shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

4. ADDENDA OF TENDER DOCUMENTS

- (1) The **Employer** may, for any reason, whether at his own initiative or in response to a clarification requested by prospective Tenderers, modify the Tender Documents.
- (2) The Employer will notify in English all prospective Tenderers by facsimile of any addenda indicating such modification on or before the **9th day of June 2005**, i.e., **at least 6 calendar days** before the day of Tender opening.
- (3) The prospective Tenderers shall send the confirmation of receiving the addenda stated above to the Employer by facsimile.
- (4) The addenda shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

CHAPTER 3 PREPARATION AND SUBMISSION OF TENDER

1. PREPARATION OF TENDER

- (1) The Tender shall be prepared in accordance with the forms as shown in Section 9 “Schedules” of STANDARD BIDDING DOCUMENT (PROCUREMENT OF WORKS, MAJOR CONTRACT), First Edition-September 2003, published by the Institute for Construction Training and Development (ICTAD), Publication No. ICTAD/SBD/02, unless otherwise specified particularly. The Tender shall be also submitted by filling out the forms and documents provided on the Letter of Tender. Each of the forms shall be completely filled in indelible ink or typewritten or computer printouts. No interlinings, erasures (or crossing out), addition, or alteration may be allowed. If the documents submitted by the Tenderer do not meet the requirements mentioned above, the Tenderer may be disqualified.
- (2) The Tenderers shall submit the following:
 - 1) Letter of Authority with signature of the representative duly certified by the Tenderer
 - 2) General Information on Tenderers
(See the attached “Schedule” in this Part.)
 - 3) a. List of Work Experience of General Construction Works in Sri Lanka for the last five (5) years
(See the attached “Schedule 1 - A” in this Part.)
b. Name of specialized sub-contractors proposed to be employed for the project.
 - 4) Details of on going **construction** contracts of the tenderer
(See the attached “Schedule 1 – B” in this part)
 - 5) Financial information above the tenderer
(See the attached “Schedule 2 – A to F”)
 - 6) Personal resources of the tenderer
(See the attached “Schedule 3 – A & 3 – B”)
 - 7) Plant equipment of the tenderer
(See the attached “schedule 4)

8) Arbitration and / Litigation history

(See the attached “schedule 5”)

9) Construction schedule together with method statement and labour histogram.

(Refer to Schedule 8 in the above-mentioned Standard Bidding Document by ICTAD. The Work shall be completed by the date appointed in Clause 1, Chapter 1.)

10) Letter of Tender and Appendix to Tender (Contract Data)

11) Bid Bond (See (5) in this Clause below.)

12) Priced Bill of Quantities

- (3) All entries in the Tender including attachments shall be written in English. All units in the Tender shall be in the metric system unless otherwise specified in the Specifications or Drawings.
- (4) Incomplete, vague or conditional Tenders will not be considered.
- (5) Tenderer shall submit a Bid Bond. The details are described in the conditions below:
 - 1) Issuer shall be by the head office or a branch in Sri Lanka of a first class, internationally recognized bank or an insurance company.
 - 2) Form shall be in a form of guarantee issued by the above-mentioned institution.
 - 3) Amount shall be not less than two percent (2%) of the total Tender price.
 - 4) Validity shall cover more than **60 days** after the opening date of Tender. (May be extended if so requested)
 - 5) Timing of Release
 - i) To the unsuccessful Tenderers
Promptly after the official decision is made that they are unsuccessful.
 - ii) To the successful Tenderer

After signing the Contract and his submission of a performance security.

2. TENDER PRICES

- (1) All prices shall be quoted in Sri Lanka Rupees (Rs) without exception and the Tender price shall be stated on the basis of lump sum price.
- (2) VAT and Custom component under this contract shall be borne by the Execution Agency.
- (3) Tender prices shall be firm and final, and not subject to escalation.
- (4) The contract price is also to be made in Sri Lanka Rupees (Rs). However, all payments from the Employer shall be done by bank transfer from Japan to the bank account designated by the Contractor in Japanese Yen. The conversion from Sri Lanka Rupees to Japanese Yen shall be made according to the exchange rate published on the date of Certificate required for each payment issued by the Employer.

3. TERM OF VALIDITY OF TENDER

The Tenders shall remain valid and irrevocable for a period of sixty (60) days on and after the date of the Tender opening.

4. SUBMISSION OF TENDER

- (1) The Tenderers shall prepare one (1) original and one (1) copy of their Tender. The Tenderers shall submit the Tender in envelopes that are properly sealed and duly marked as , "ORIGINAL" or "COPY", the name of Tenderer, and the name of project. Therefore, the Tenderers shall submit two sets (ORIGINAL and COPY) of respectively
- (2) The Tenders shall be submitted to the address specified in Chapter 4 herein, not later than the closing time for submission of Tenders specified in the same.
- (3) The Tender shall be submitted in person. The Tenders through other means such as telex, telegraph, facsimile, e-mail or mail shall not be accepted.
- (4) Any Tender received after the closing time will be returned unopened.
- (5) Alternative Tender shall not be allowed.
- (6) The Tenderer is neither allowed to modify nor withdraw his Tender after the closing time.

5. INTERPRETATION OF TENDER

- (1) Should there be any discrepancy between the “ORIGINAL” and the “COPY”, the “ORIGINAL” shall prevail. If there is a difference between the figures entered in words and in numerals in the Tender, the figures entered in words shall prevail.

- (2) Should there be any discrepancy between the Tender price in the Letter of Tender and the total price of the Bill of Quantities, the Tender price in the Letter of Tender shall prevail.

CHAPTER 4 OPENING OF TENDER

1. INTRODUCTION

- (1) The Proposals of all Tenders shall be opened at the **Employer's office**, immediately after the closing time, in the presence of the Tenderers as follow.

Venue: **Conference room on the 3rd floor in Hilton Colombo Residence**

Time & Date: **11:00 a.m. Sri Lanka Standard Time on the 15th day of June, 2005**

Address: **Hilton Colombo Residence,
Telephone/Facsimile; +94-11-536-0503**

At least one (1) authorized person with a Letter of Authority of the Tenderer shall attend the Tender opening.

2. TENDER OPENING PROCEDURES

- (1) All participants of the Tender opening shall register their signatures in an attendant list prepared by the **Employer** before the Tender opening.
- (2) The **Employer** shall confirm the validity of each authorized person with a Letter of Authority of the Tenderers. In case the document is incomplete or inappropriate, the Tenderers shall forfeit his right to participate in the Tender opening any further and the Tender shall be returned unopened.
- (3) Tenders will be open immediately after closing time and the tender price offered by each tenderer shall be read aloud and recorded.
- (4) In the event that all Tenderers are not successful, the Employer will prepare another Tender with modifications and exercise a re-Tender.

CHAPTER 5 EVALUATION OF TENDER AND AWARD OF CONTRACT

1. EVALUATION OF TENDER

- (1) The Employer will ascertain, examine and evaluate the Tenders in the light of the following:
 - 1) computations are free of material errors,
 - 2) the submitted documents are substantially responsive to the Tender Documents,
 - 3) the required certificates have been provided,
 - 4) documents have been properly signed, and
 - 5) the Tenders are otherwise generally in order.
- (2) If a Tender does not substantially conform to the Specifications, or contains inadmissible reservations or otherwise is not substantially responsive to the Tender Documents, it shall be rejected.
- (3) The **Employer** will examine and evaluate at his discretion the Tender prices submitted by Tenderers.
- (4) If the Tender of the prioritized Tenderer is incomplete, the **Employer** will negotiate for the contract with the next lowest priced Tenderer and these procedures will be followed until the **Employer** reaches agreement with a Tenderer.
- (5) The Employer intends to select an appropriate contractor for the Work within one month after opening of the tender.

2. CLARIFICATION OR ALTERNATION OF TENDER

In the examination, evaluation and comparison of the Tenders, the **Employer** may, at his discretion, ask any Tenderer for a clarification of his Tender. All responses to the requests for clarification shall be in writing, and no change in the total price or the substance of the Tender shall be offered or permitted.

3. PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, and evaluation of Tenders, and recommendations for the award of the contract shall not be disclosed to Tenderers or any other persons who are not officially concerned with such process until the notification of award defined in Chapter 5 Clause 5.

4. CONTACT WITH THE EMPLOYER

- (1) Except for the purpose of clarification of the Tender as provided in Clause 2 of this Chapter, no Tenderers shall contact the Employer and the Consultant on any matter related to the Tender, from the time of the Tender opening to the time of Contract awarding.
- (2) Any attempt by a Tenderer to influence the Employer's and the **Employer's** processing or awarding of Tenders may result in the disqualification of the Tenderer.

5. LETTER OF ACCEPTANCE

- (1) The Tenderer whose offer substantially conforms to the Specifications and other conditions of the Tender Documents, and who offers the lowest price shall be designated as the successful Tenderer.
- (2) After completion of evaluation of the Tenders, the Employer shall issue the Letter of Acceptance to successful Tenderer within the period of validity of Tenders stated in Chapter 3 Clause 3 hereof by facsimile or registered letter.

6. SIGNING OF CONTRACT

- (1) At the same time that the Employer notifies the successful Tenderer that his Tender has been accepted, the Employer will send the Tenderer the Contract Agreement provided in the Tender Documents, incorporating all arrangements between the parties.
- (2) The following documents shall be considered as integral parts of the Contract:
 - 1) Contract Agreement
 - 2) Tender of the successful Tenderer
 - 3) General Conditions
 - 4) Particular Conditions
 - 5) Specifications
 - 6) Drawings
 - 7) Bill of Quantities and Schedules
 - 8) Instruction to Tenderers and such other documents intended to form the Contract

The documents of the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the interpretation shall be done in accordance with the above-mentioned sequence of the priority.

7. PERFORMANCE SECURITY

The successful Tenderer, having received the Letter of Acceptance, shall furnish a performance security amounting to ten percent (10%) of the total contract price within fourteen (14) days following the date of award. The Employer shall have the custody of the performance security.

8. NOTIFICATION OF THE RESULT OF TENDER

Upon receiving the performance security from the successful Tenderer, the Employer shall promptly notify the other Tenderers in writing that their Tenders have been unsuccessful.

CHAPTER 6 COMMON CONDITIONS

1. SAFETY PROCEDURE

The Contractor shall:

- (1) comply with all applicable safety regulations in Sri Lanka,
- (2) take care for the safety of all persons entitled to be on the Project Site,
- (3) use reasonable efforts to keep the Project Site and the Work clear of unnecessary obstruction so as to avoid danger to persons entitled to be on the Project Site,
- (4) provide fencing, lighting, guarding and watching of the Work until completion and taking-over, and
- (5) provide any temporary works (including roadways, footways, guards and fences) that may, because of the execution of the Work, be necessary for the use by or protection of the public and of owners and occupants of adjacent land.

2. PROTECTION OF THE ENVIRONMENT

The Contractor shall take all reasonable steps to protect the environment (both on and off the Project Site) and to limit damage and nuisance to people and property resulting from pollution, noise or other aspects of his operations.

GENERAL INFORMATION OF TENDERER

1.0 GENERAL INFORMATION

(a) Registered Name of Firm :-.....
(Copy of Business Registration or
Certificate of Incorporation should be attached).

(b) Head Office Address :-
.....

(c) Telephone Numbers :-

(d) Fax Numbers :-

(e) E-Mail Address :-

(f) VAT Registration Number :-
(Attach copy of Department of Inland
Revenue letter assigning VAT No.)

(g) Type of Organization

Limited Liability Co.

Partnership

Sole Proprietor

Government Organization

(h) Organization Chart

(i) ICTAD Registration Expiry Date

Grade

No.

(j) NCCASL Membership Expiry Date

No.

2.0 PERSON MANAGING THE AFFAIRS OF THE CONTRACTOR'S ORGANIZATION

(a) Name of person :

(b) Designation / Title :

(c) Certified copy of appointment / authority and designation

(d) Telephone Number :-.....

(e) E-mail Address : -.....

(f) Fax No. :-.....

2. CONTRACT AGREEMENT

2. CONTRACT AGREEMENT

This Agreement made and entered in to the ____ day of (month), 2005 between Japan International Cooperation System (JICS) of Japan (hereinafter called "the Employer") of the one part, and (Name of the Contractor) (Address of the Contractor) (hereinafter called "the Contractor") of the other part,

WHEREAS, the Government of Japan extends its grant to the Government of the Democratic Socialist Republic of Sri Lanka on the basis of "the Exchange of Notes" signed on the 17th day of January, 2005 between the Governments concerning the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as "the Programme"); and

WHEREAS, the Employer, as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, is desirous to execute and complete the Work for the **Construction of Open Area for Landing & Auction Space, Canteen and the Welfare Shop in Galle Fishery Harbour**(hereinafter referred to as "the Project"), in its current portion of the Programme; and

WHEREAS, the Contractor is willing to execute and complete the Work and the remedying of any defects therein, to the Employer under the terms and conditions as set forth in this Agreement;

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 Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - (a) The Letter of Acceptance dated _____

- (b) The Letter of Tender dated _____
 - (c) The Addenda nos _____
 - (d) The Conditions of Contract
 - (e) Contract Data
 - (f) The Specification
 - (g) The Drawings
 - (h) The Priced Bill of Quantities, and
 - (i) The completed Schedules.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Work and remedy any defects therein, in conformity with the provisions of the Contract.
4. The Employer, on behalf of the Government of the Democratic Socialist Republic of Sri Lanka, hereby covenants to pay the Contractor, in consideration of the execution and completion of the Work and the remedying of defects therein. The Contract Price 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 first before written in accordance with their respective laws.

SIGNED by _____
For and on behalf of the Employer in the
presence of

SIGNED by _____
For and on behalf of the Contractor in the
presence of

Witness: _____
Name: _____
Address: _____
Date: _____

Witness: _____
Name: _____
Address: _____
Date: _____

3. GENERAL CONDITIONS

**CONSTRUCTION WORK
FOR
OPEN AREA FOR LANDING & AUCTION SPACE,
CANTEEN AND THE WELFARE SHOP
IN
GALLE FISHERY HARBOUR
DAMAGED BY TSUNAMI DISASTER**

3. GENERAL CONDITIONS

The General Conditions shall be “Conditions of Contract for STANDARD BIDDING DOCUMENT (PROCUREMENT OF WORKS, MAJOR CONTRACT), First Edition-September 2003, published by the Institute for Construction Training and Development (ICTAD) , Publication No. ICTAD/SBD/02.

The General Conditions shall be read in conjunction with the Particular Conditions. Where indicated in the Particular Conditions, the General Conditions shall be amended, and where a discrepancy occurs between the two documents the Particular Conditions shall have priority.

4. PARTICULAR CONDITIONS

CLAUSE 1 - GENERAL PROVISIONS

Sub-Clause 1.1 - Definitions

Sub-Clause 1.1.1.9 is amended by the addition of the following sentence at the end:

“Drawings include the basic design drawings and sketches issued by the Consultant to the Contractor during the construction.”

Sub-Clause 1.1.2.2

The Employer is Japan International Cooperation System (JICS), the agent of the Democratic Socialist Republic of Sri Lanka.

Sub-Clause 1.1.2.4

(未確認状況)

Sub-Clause 1.4 – Laws and Language

Sub-Clause 1.4 is amended as follows:

“The Contract shall be governed by the laws of Japan and the language for all purposes for the Contract shall be English.”

Sub-Clause 1.13 - Compliance with Laws

Second line is deleted and replaced with the following sentence:

“VAT & Custom component under this contract shall be borne by the Executing Agency.”

CLAUSE 4 – THE CONTRACTOR

Sub-Clause 4.1 - Contractor’s General Obligations

Add the following new subparagraph;

- (e) The Contractor shall promptly notify the Employer and the Consultant of any error, omission, fault or any other defect in the design of or specifications for the Work which he discovers when reviewing the Contract or in executing the Work.

Sub-Clause 4.4 – Subcontractors

Add the following new subparagraph;

- (e) Where practicable, the Contractor will give a fair and reasonable opportunity for contractors from the Country to be appointed as subcontractors.

CLAUSE 14 – CONTRACT PRICE AND PAYMENT

Sub-Clause 14.1 - The Contract Price

Subparagraph (b) is deleted and replaced with the following subparagraph (b);

- (b) “VAT & Custom component under this contract shall be borne by the Executing Agency.

Sub-Clause 14.2 - Advance Payment up to 14.13 - Cessation of Employer’s Liability

Those sub-clauses are deleted and replaced with the following descriptions;

The Contract Price shall be quoted in Sri Lanka Rupees (Rs) on the basis of lump sum price and shall be firm and final, and not subject to escalation.

The Contract Price will be paid in accordance with the following schedules to the Contractor.

(1) Construction Cost

(a) Advance Payment

The amount which corresponds to thirty percent (30%) of the Contract Price, shall be paid upon the concluding the Contract and acceptance of the Performance Security from the Contractor together with an on demand bank guarantee equivalent to the advance payment should be submitted from a Commercial Bank operating in Sri Lanka approved by the Central Bank.

(b) First Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Fifty percent (50%) of completion of the Work under the Contract.

(c) Second Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Eighty-five percent (85%) of completion of the Work under the Contract.

(d) Third interim Payment (Practical completion)

The amount which corresponds to seven and half percent (7.5 %) of the Contract Price shall be paid upon the practical completion of the Work under the Contract.

(e) Final payment

After the completion of all defects identified during the practical completion and also by the consultant and the client during the 12 months maintenance period together with final certificate issued by the consultant balance two point and half percent (2.5%) withheld for the defects liability period shall be released under the contract.

5. FORM OF PERFORMANCE SECURITY

5. FORM OF PERFORMANCE SECURITY

Brief description of Contract _____

Name and address of Beneficiary _____

_____ (together with successors and assigns, all as defined in the Contract as the Employer)

By this Bond, *(name and address of contractor)* _____ (who is the contractor under such Contract) as Principal and *(name and address of guarantor)* _____ as Guarantor are irrevocably held and firmly bound to the Beneficiary in the total amount of _____ (the "Bond Amount", say: _____) for the due performance of all such Principal's obligations and liabilities under the Contract.

This Bond shall become effective on the Commencement Date defined in the Contract.

Upon Default by the Principal to perform any Contractual Obligation, or upon the occurrence of any of the events and circumstances listed in sub-clause 15.2 of the conditions of the Contract, the Guarantor shall satisfy and discharge the damages sustained by the Beneficiary due to such Default, event or circumstances, However, the total liability of the Guarantor shall not exceed the Bond Amount.

The obligations and liabilities of the Guarantor shall not be discharged by any allowance of time or other indulgence whatsoever by the Beneficiary to the Principal, or by any variation or suspension of the works to be executed under the Contract, or by any amendments to the Contract or to the constitution of the Principal or the Beneficiary, or by any other matters, whether with or without the knowledge or consent of the Guarantor.

Any claim under this Bond must be received by the Guarantor on or before *(the date six months after the expected expiry of the Defects Notification Period for the Works)* _____ (the "Expiry Date"), when this Bond expires and is returned to the Guarantor.

The benefit of this Bond may be assigned subject to the provisions for assignment of the Contract, and subject to the receipt by the Guarantor of evidence of full compliance with such provisions.

This Bond shall be governed by the law of the same country as that which governs the Contract. This Bond incorporates and shall be subject to the Uniform Rules for Contract Bonds, published as number 524 by the International Chamber of Commerce, and words used in this Bond shall bear the meanings set out in such Rules.

Wherefore this Bond has been issued by the Principal and the Guarantor on (date)

Signature(s) for and on behalf of the Principal _____

Signature(s) for and on behalf of the Guarantor _____

6. LETTER OF TENDER AND APPENDIX TO TENDER

6. LETTER OF TENDER

NAME OF CONTRACT: **THE CONSTRUCTION WORK FOR OPEN AREA FOR LANDING & AUCTION SPACE, CANTEEN AND THE WELFARE SHOP IN GALLE FISHERY HARBOUR**

Tender Ref. No. **NPTSL04-037**

TO: JAPAN INTERNATIONAL COOPERATION SYSTEM (JICS)
5th Floor
Shinjuku East Bldg.,
10-5, Tomihisa-cho,
Shinjuku-ku, Tokyo, 162-0067, JAPAN

We have examined the Conditions of Contract, Specifications, Drawings, Bill of Quantities, the other Schedules, the attached Appendix and Addenda Nos **** for the execution of the above-named Work. We offer to execute and complete the Work and remedy any defects therein in conformity with this Tender which includes all these documents, for the sum of

(In Sri Lanka Rupees) _____

or such other sum as may be determined in accordance with the Conditions of Contract.

We agree to abide by this Tender until (Date, Month, and Year) and it shall remain binding upon us and may be accepted at any time before that date. We acknowledge that the Appendix forms part of this Letter of Tender.

If this offer is accepted, we will provide the specified Performance Security, commence the Work in accordance with the Contract, and complete the Work in accordance with the above-named documents within the Time for Completion.

Unless and until a formal Agreement is prepared and executed this Letter of Tender, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept any specific part, the lowest or any tender you may receive.

Signature _____ in the capacity of _____
duly authorised to sign tenders for and on behalf of _____
Address _____
Date _____

6.2 Appendix to Tender (Contract Data)

[Note: with the exception of the items for which the Employer's requirements have been inserted, the following information must be completed before the Tender is submitted.]

Items	Condition of Contract Clause Numbers	Descriptions
Employer's name and address	1.1.2.2 & 1.3	Japan International Cooperation System (JICS) 5 th Floor, Shinjuku East Bldg.10-5 Tomihisa-cho Shinjuku-ku, Tokyo 162-0067 JAPAN
Contractor's name and address	1.1.2.3 & 1.3	
Engineer's name and address	1.1.2.4 & 1.3	Consultant's name and address
Time for Completion of the Work	1.1.3.3	By 15 st ????? 2006
Defects Notification Period	1.1.3.7	1 year
Electronic transmission systems	1.3	Facsimile or e-mail
Governing Law	1.4	Japan
Ruling language	1.4	English
Language for communications	1.4	English
Right to access to the Site	2.1	One (1) day after the Commencement Date
Amount of Performance Security	4.2	Ten (10) % of the Contract Amount, in the currencies and proportions in which the Contract Price is payable.
Normal working hours	6.4	Not specified
Delay damages for the Work	8.7	Zero point five (0.5) % of the Contract Price per day, in the currencies and proportions in which the Contract Price is payable
Maximum amount of delay damages	8.7	Ten (10)% of the Contract Price
Method of Measurement	12.2(b)	Actual work done basis
Percentage for adjustment of Provisional Sums	13.4(b)	Ten percent (10%)
Percentage of retention	14.3 (c)	Five (5) percent
Currency of Payment	14.15	Sri Lanka Rupee (Rs) as named in the Letter of Tender
Periods for submission of insurance: (a) evidence of insurance (b) relevant policies	18.1	(a) Seven (7) days after issuing the Letter of Acceptance (b) Twenty-one (21) days after issuing the Letter of Acceptance
Third party insurance	18.2	0.5% or as required
Failure to Agree Dispute Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD)
Fees payable to the Adjudicator		Fees and reimbursable payments to be paid for

Items	Condition of Contract Clause Numbers	Descriptions
Failure to Agree Dispute Adjudicator Fees payable to the Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD) Fees and reimbursable payments to be paid for Adjudicator are as follows: _____

Initials of signatory of Tender _____

7. SPECIFICATIONS AND DRAWINGS

SEE THE FILE SEPARATED.

8. BILL OF QUANTITIES AND SCHEDULES

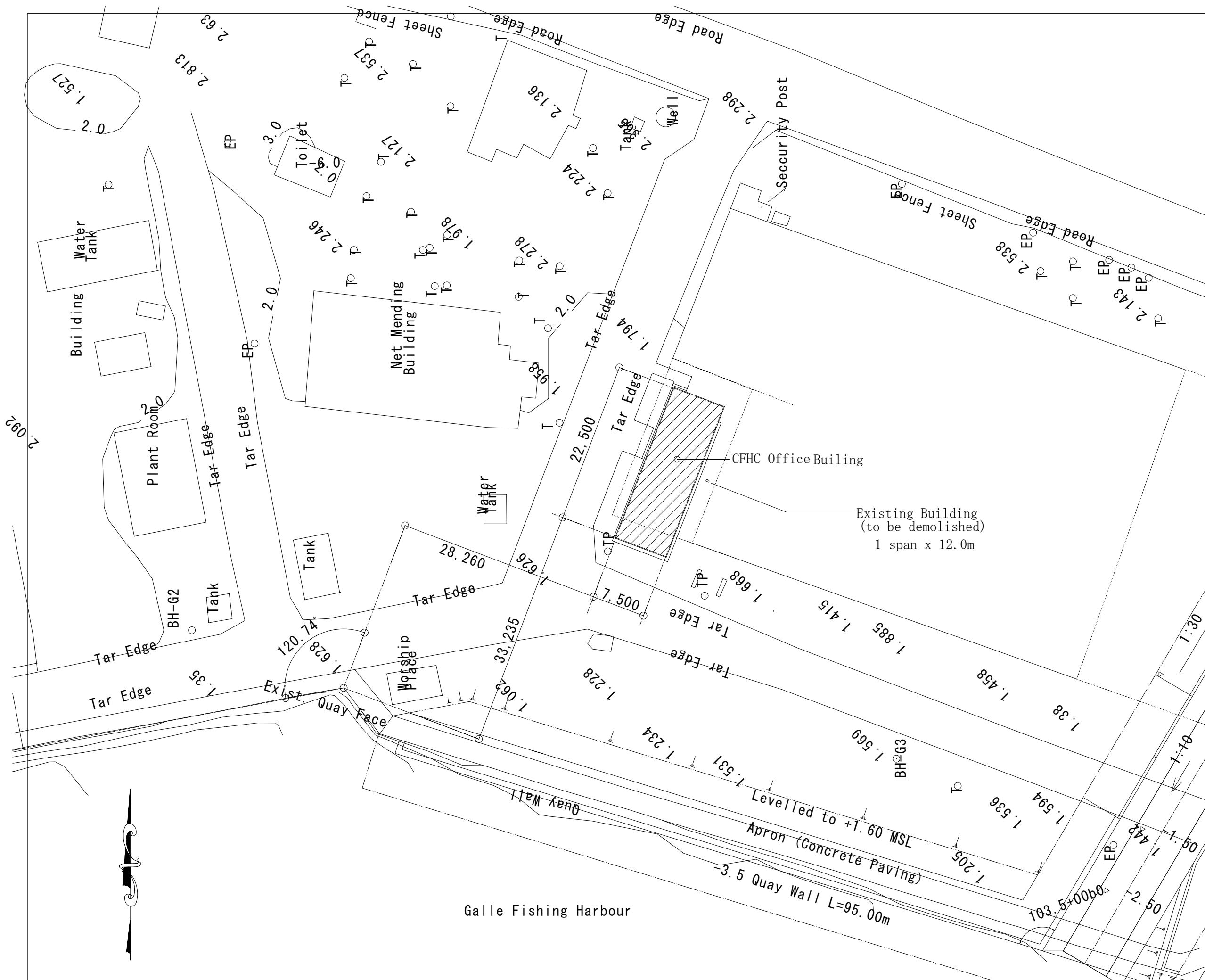
8. BILL OF QUANTITIES AND SCHEDULES

1. This Bill of Quantities shall be read in conjunction with such contract documents as, but not limited to, the Conditions of Contract, Specifications, the Instructions to Tenderer, the Drawings and other pertinent data. The Tenderer shall be deemed to have fully acquainted himself with the detailed description of the Work to be done, the way in which he shall carry out and the requirements and standards of the Work.
2. Payment for lump sum items will be made in accordance with relevant payment clauses in the Specifications, or, if not specified, interim payments will be made as approved by the Consultant.
3. The unit rates and lump sum prices and amounts for the various items of works listed in the Bill of Quantities shall be expressed in Sri Lanka Rupees (Rs). The unit rates and lump sum prices and amounts shall include, except insofar as it is otherwise provided under the contract, all labor, construction equipment, materials, erection, maintenance, supervision, insurance, profit, duties together with all general risks, if any, liabilities and obligations set forth or implied in the contract.
4. If there is any discrepancy between the unit rate and the amount entered for any item in the Bill of Quantities, the amount shall be taken as correct.
5. Any additional labor, construction equipment or materials required to make good defective work or used in repair or maintenance shall be at the expense of the Contractor and shall not be taken into account when determining the sum to be paid for each item.
6. All progress payments made by interim certificates are deemed to be provisional payments, and the Employer has power to reduce the paid amount in preceding payment certificates whomsoever any defect is found in or on the said work or to replace the payment from one item to other item if such rearrangement is judged as necessary. The final payment certificate which is provided after the issuance of the Final Certificate is solely deemed as the correct and definitive certificate in quantities and amounts to each item of work and whole of the Work.
7. The attached Bill of Quantities showing the additional information for the quotation of the tender.

DRAFT

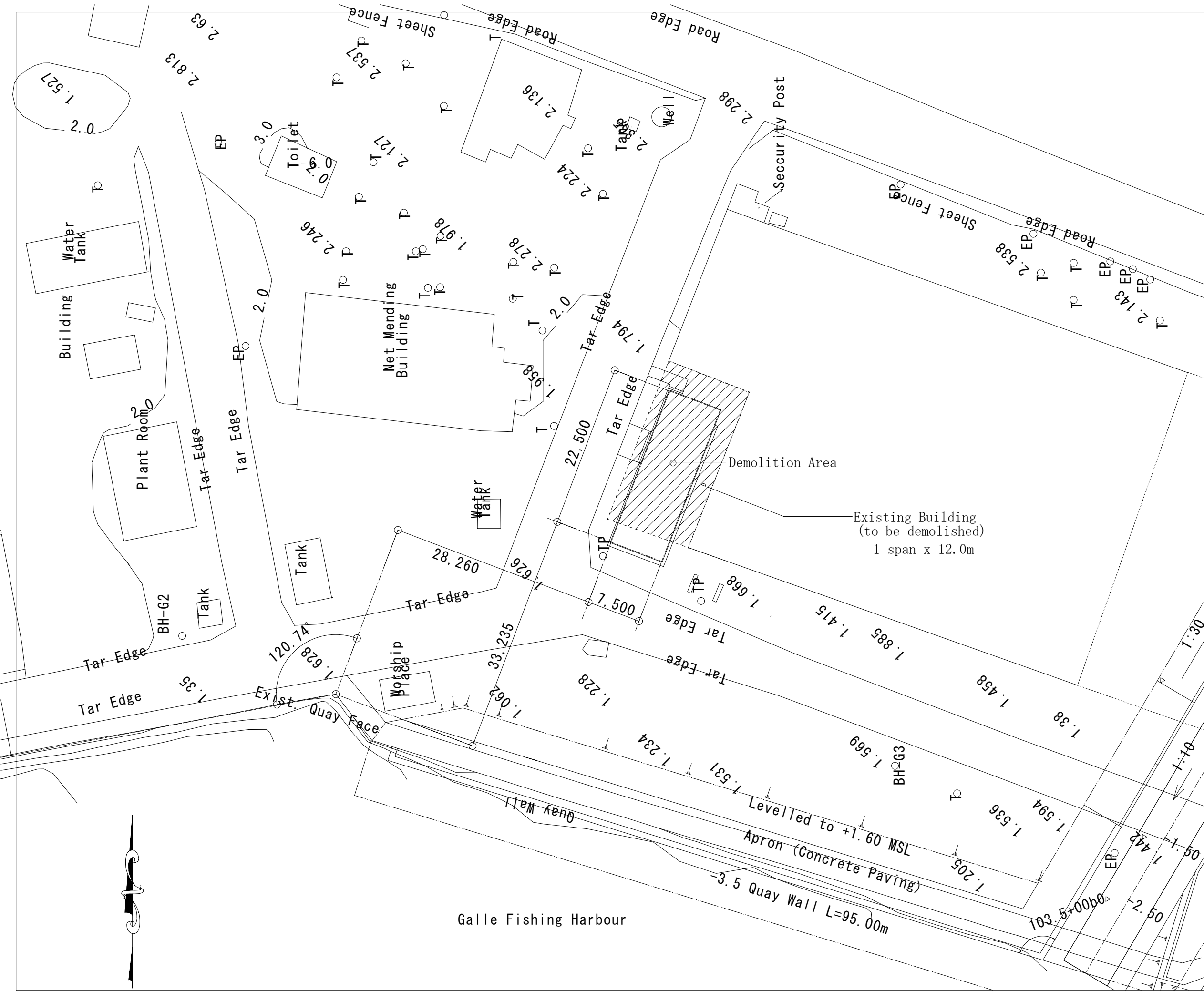
**TENDER DOCUMENTS
OF
CONSTRUCTION WORK
FOR
OPEN AREA FOR LANDING & AUCTION SPACE,
CANTEEN AND THE WELFARE SHOP
IN
GALLE FISHERY HARBOUR
TSUNAMI DISASTER**

7. SPECIFICATIONS AND DRAWINGS



Galle Fishing Harbour

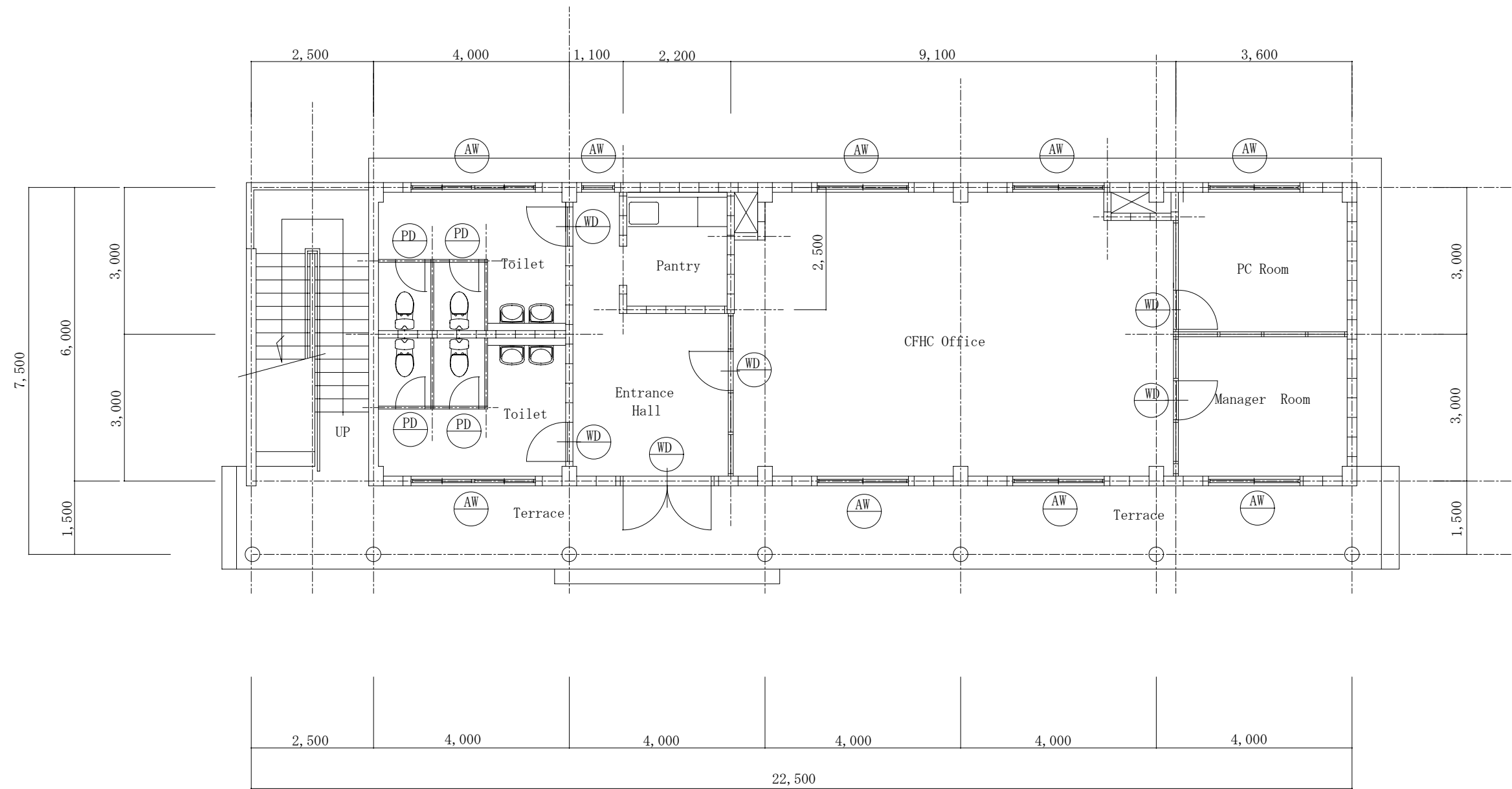
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Construction of CFHC Office Building of Galle Fishery Harbour	
DRAWING TITLE: Site Plan	
DATE :	SCALE: 1/500
BY:	NO.
BY:	B-001
APPROVED BY:	



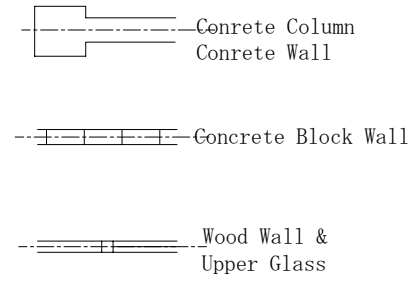
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Construction of CFHC Office Building of Galle Fishery Harbour	
DRAWING TITLE:	
Demolition Area	
DATE :	SCALE: 1/500
BY:	NO.
BY:	B-002
APPROVED BY:	

Finish Schedule of Exteriors			
Roof	:coloured cement tile roofing, stainless steel nail asphlt roofing 22kg truss wood frame	plywod t-12 glass wool t-50 plywod t-12	Exterior wall :concrete block, mortar, AEP Window :aluminium window finish of interior: wood frame, OP (Manager quarter: wood window with screen grating OP) Exterior fittings :galivanized steel door, anti-chroridisation paint Coating :MARINE PAINT for all steel parts Exterior floor :concrete trowel finishing coated by hardener Handrail :stainless steel pipe H=1,100 (exterior stairs, balcony) Nosing of steps :non-slip tile
Eaves gutter	:Zn/Al steel sheet 0.8t, stainless steel guutter hangers		
Leader	:PVC pipe Φ-100, stainless steel leader straps		
Eaves ceiling	:cement board AEP		
Fascia board	:hemlock OP		
Column	:concrete AEP		
Beam	:concrete AEP		

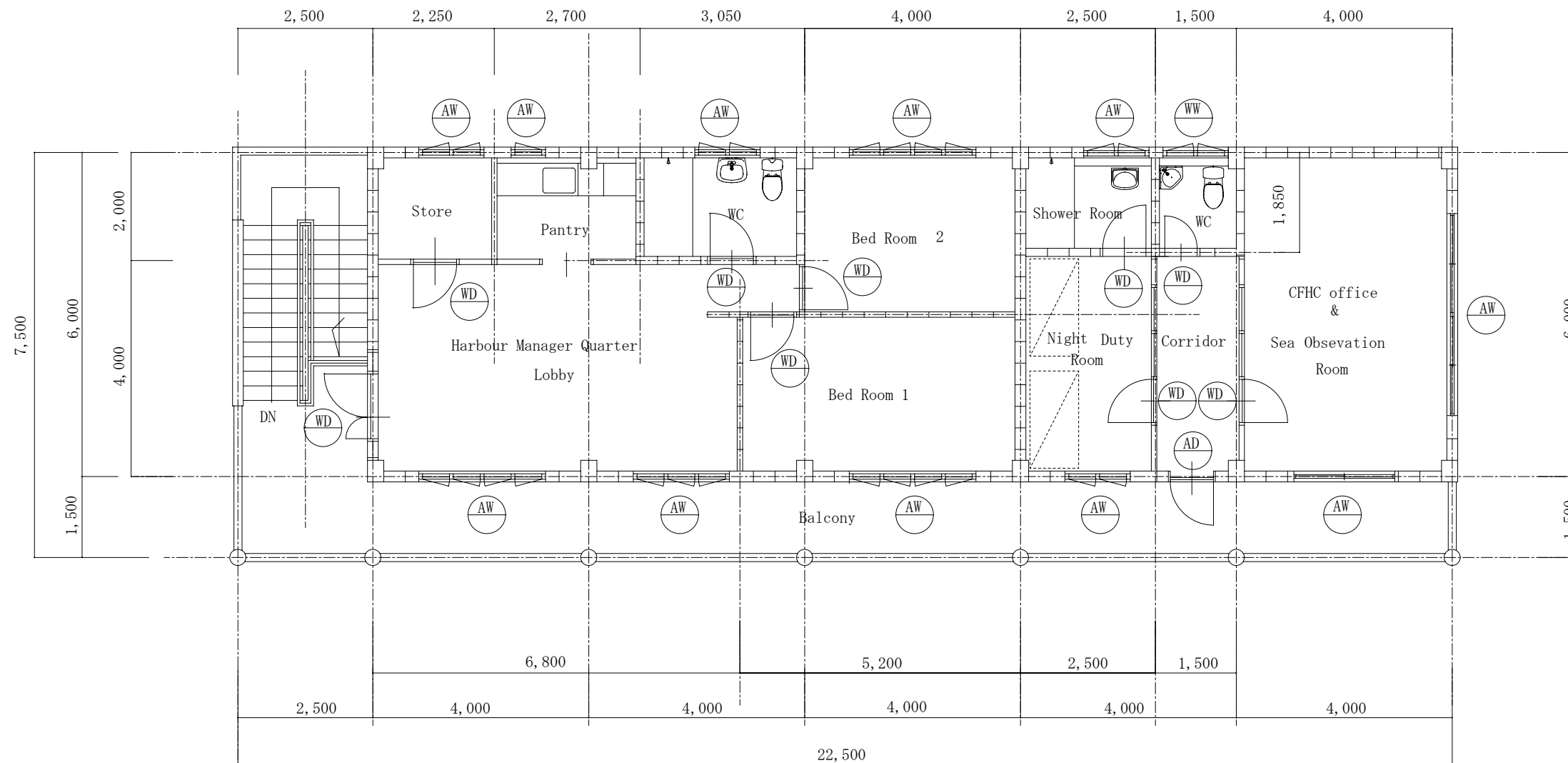
Finish Schedule of Interiors										
Floor (FL)	Room name	Floor face FL=	Floor finish	baseboard	Wall finish	Conice	Ceiling finish	ceiling height FL=	Furnishings	
G. F	Entarance Hall	0	300mm square porcelain tile	mortar, AEP H=60	block:mortar, AEP column·beam:concrete, AEP	P1	plasterboard t-9 EP	3000		
	CFHC Office	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	A1	plasterboard t-9 EP	3000		
	Manager Room	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP wood frame partition	A1	plasterboard t-9 EP	3000		
	PC room	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	A1	plasterboard t-9 EP	3000		
	Pantry	0	300mm square porcelain tile water-proofed mortar	-	block:150mm, rectangular porcelain tile	P1	cement board t-4 EP ceiling joint:wood OP	2500	sink rack	
	Toilet (1) (2)	0	300mm square porcelain tile water-proofed mortar	-	block:150mm, rectangular porcelain tile	P1	cement board t-4 EP ceiling joint:wood OP	2500		
1st F	CFHC Office & sea observation room	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	A1	plasterboard t-9 EP	2700		
	Corridor	0	concrete trowel finishing coated by epoxy paint	mortar, AEP H=60	block:mortar, AEP column·beam:concrete, AEP	P1	cement board t-4 EP ceiling joint:wood OP	2700		
	Toilet	-50	300mm square porcelain tile water-proofed mortar	-	block:150mm, rectangular porcelain tile	P1	cement board t-4 EP ceiling joint:wood OP	2500		
	Night duty room	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	P1	plasterboard t-9 EP	2700		
	Showerroom	0	300mm square porcelain tile water-proofed mortar	-	block:150mm, rectangular porcelain tile	---	cement board t-4 EP ceiling joint:wood OP	2500		
	Harbour manager quater									EMPLOYER:
	Lobby	0	300mm square porcelain tile	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	lauan OSCL t-25	plywood t-6 OS ceiling joint:wood OS	2700		
	Bed room 1 · 2	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	lauan OSCL t-25	plywood t-6 OS ceiling joint:wood OS	2700		
	Pantry	0	300mm square porcelain tile water-proofed mortar	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP	P1	cement board t-4 EP ceiling joint:wood OP	2500	sink rack	
	Toilet	-50	water-proofed mortar	-	block:150mm, rectangular porcelain tile	P1	cement board t-4 EP ceiling joint:wood OP	2500		
Storage	0	concrete trowel finishing coated by epoxy paint	lauan OS t-8, H=60	block:mortar, AEP column·beam:concrete, AEP		cement board t-4 EP ceiling joint:wood OP	2500			
									TENDER REF. NO.	
									EXECUTING AGENCY:	
									Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation(CFHC)	
									PROJECT TITLE:	
									Construction of CFHC Office Building of Galle Fishery Harbour	
									DRAWING TITLE:	
									Finish Schedule	
									DATE :	
									SCALE:	
									BY:	
									NO.	
									B-101	
									APPROVED BY:	



Ground Floor Plan S=1/100



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation(CFHC)	
PROJECT TITLE: Construction of CFHC Office Building of Galle Fishery Harbour	
DRAWING TITLE: Ground Floor Plan	
DATE :	SCALE: 1/100
BY:	NO. B-102
BY:	
APPROVED BY:	



1st Floor Plan S=1/100

Concrete Column
Concrete Wall

Concrete Block Wall

Wood Wall &
Upper Glass

EMPLOYER:

TENDER REF. NO.

EXECUTING AGENCY:
Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Corporation(CFHC)

PROJECT TITLE:
Construction of
CFHC Office Building
of
Galle Fishery Harbour

DRAWING TITLE:

1st Floor Plan

DATE : SCALE: 1/100

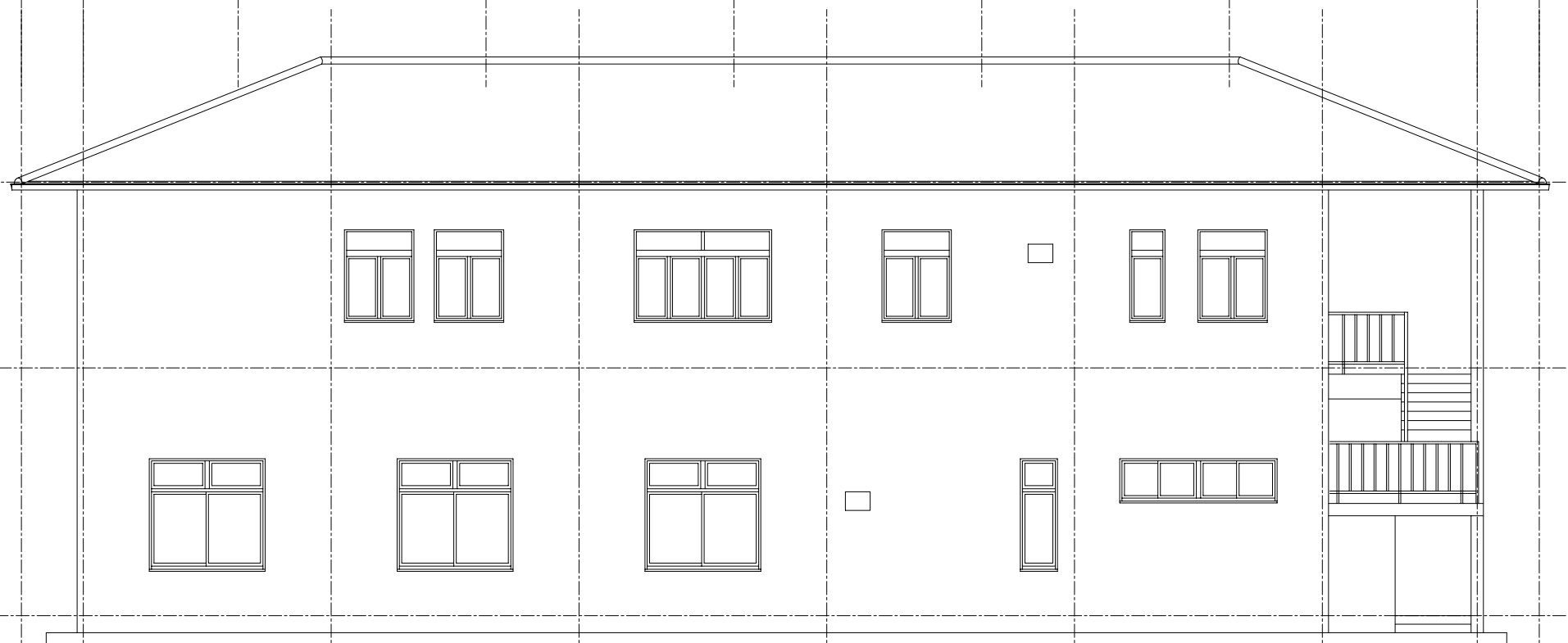
BY: NO.

BY: B-103

APPROVED BY:

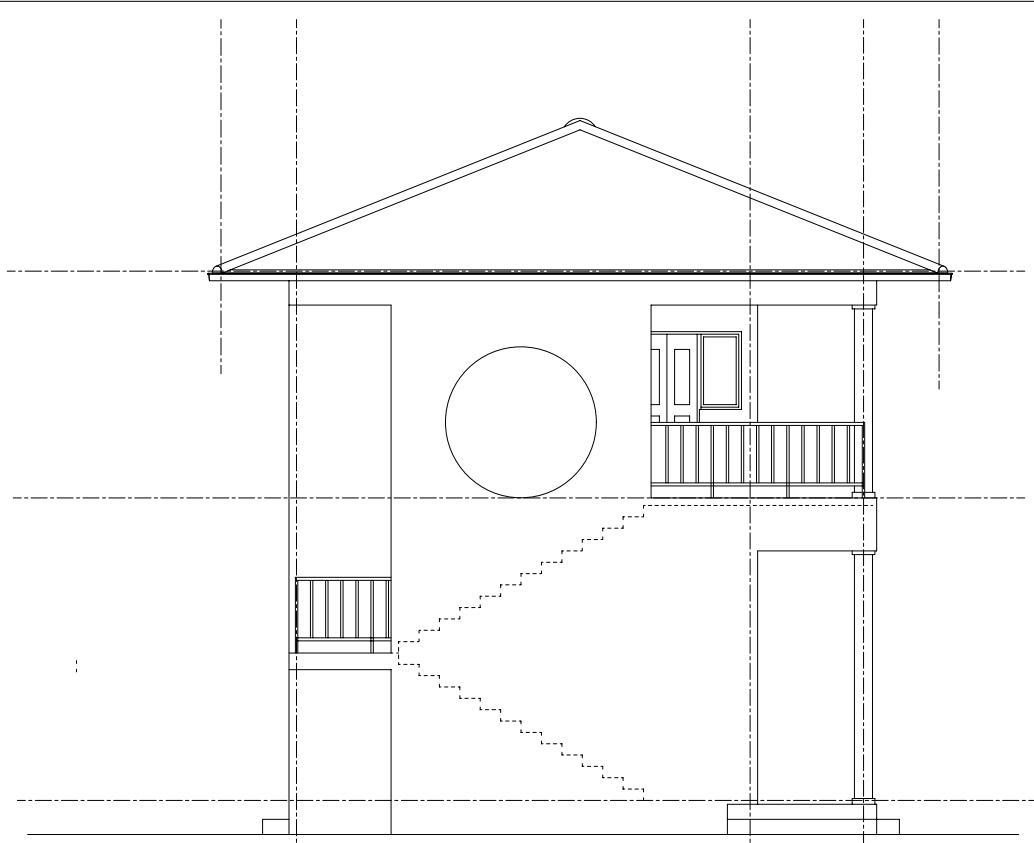


West Elevation S=1/100

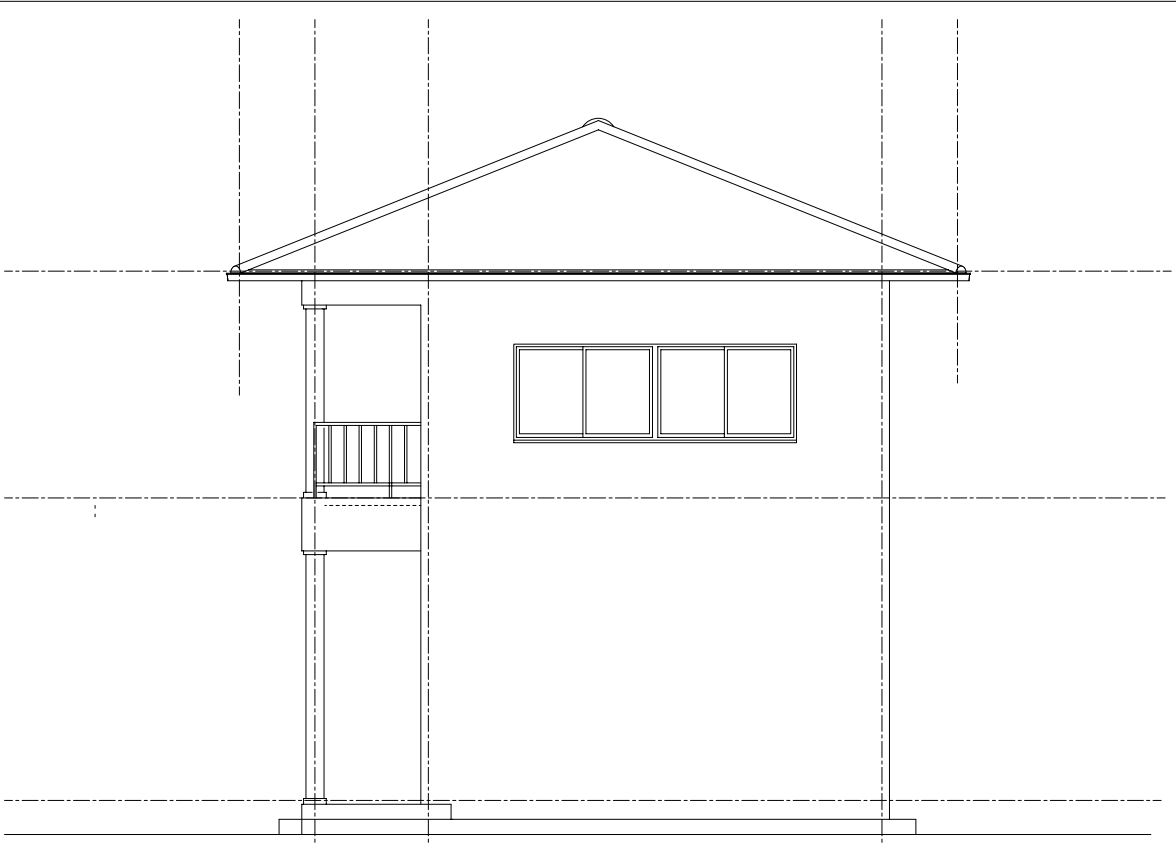


East Elevation S=1/100

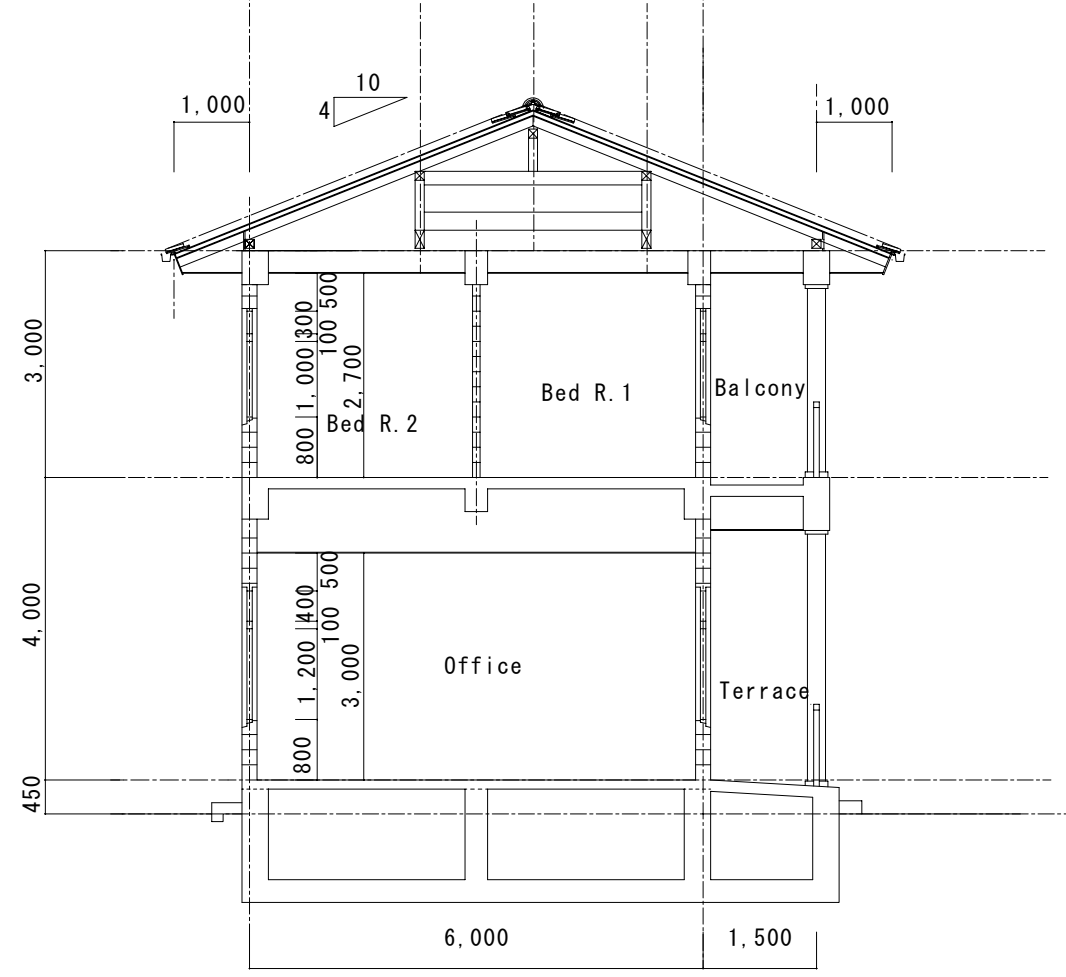
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation(CFHC)	
PROJECT TITLE: Construction of CFHC Office Building of Galle Fishery Harbour	
DRAWING TITLE: Elevation (1)	
DATE :	SCALE: 1/100
BY:	NO. B-104
BY:	
APPROVED BY:	



North Elevation s=1/100



South Elevation s=1/100



Section S=1/100

EMPLOYER:

TENDER REF. NO.

EXECUTING AGENCY:
Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Corporation(CFHC)

PROJECT TITLE:
Construction of
CFHC Office Building
of
Galle Fishery Harbour

DRAWING TITLE:

Elevation (2)
Section

DATE : SCALE: 1/100

BY: NO.

BY: B-105

APPROVED BY:

DRAFT

TENDER DOCUMENTS OF CONSTRUCTION WORK FOR CFC REFRIGERATION PLANT IN GALLE FISHERY HARBOUR DAMAGED BY TSUNAMI DISASTER

-
- 1. INSTRUCTIONS TO TENDERERS**
 - 2. CONTRACT AGREEMENT**
 - 3. GENERAL CONDITIONS**
 - 4. PARTICULAR CONDITIONS**
 - 5. FORM OF PERFORMANCE SECURITY**
 - 6. LETTER OF TENDER AND APPENDIX TO TENDER**
 - 7. SPECIFICATIONS AND DRAWINGS**
 - 8. BILL OF QUANTITIES AND SCHEDULES**
-

INSTRUCTIONS TO TENDERERS

**CONSTRUCTION WORK
FOR
CFC REFRIGERATION PLANT
IN
GALLE FISHERY HARBOUR
DAMAGED BY TSUNAMI DISASTER**

1. INSTRUCTIONS TO TENDERERS

CONTENTS

Chapter 1 Introduction.....	1
1. The Purpose of TENDER	1
2. Qualification of Tenderers.....	1
3. Description of the Project.....	1
4. Scope of Works	2
5. Completion date of the Work	2
6. Acquaintance with Local Conditions	2
Chapter 2 tender Documents	3
1. Composition of tender Documents	3
2. Responsibility of tenderERS.....	3
3. Clarification of tender Documents.....	3
4. Addenda OF Tender Documents.....	4
Chapter 3 Preparation and Submission of Tender	5
1. Preparation of Tender.....	5
2. Tender Prices	7
3. Term of Validity of Tender	7
4. Submission of Tender.....	7
5. Interpretation of Tender	8
Chapter 4 Opening of Tender.....	9
1. Introduction.....	9
2. Tender Opening Procedures	9
Chapter 5 Evaluation of Tender and Award of Contract.....	10
1. Evaluation of Tender	10
2. Clarification or Alternation of Tender	10
3. Process TO BE Confidential.....	10
4. Contact with the Employer.....	11

- 5. Letter of Acceptance..... 11
- 6. Signing of Contract 11
- 7. Performance Security 12
- 8. Notification of the Result of Tender 12
- Chapter 6 Common Conditions 13
 - 1. Safety Procedure..... 13
 - 2. Protection of the Environment 13
- (Form A) 14
- (Form B) 15

CHAPTER 1 INTRODUCTION

1. THE PURPOSE OF TENDER

- (1) For the purpose of contributing to the execution of the Project for Reconstruction of Police Station Buildings Damaged by Tsunami Disaster (hereinafter referred to as “the Project”), in its current portion of the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as “the Programme”) under Japan’s Grant aid to the Government of the Democratic Socialist Republic of Sri Lanka in accordance with the Exchange of Notes signed on the 17th day of January, 2005 between the Government of Japan (the Donor) and the Government of the Democratic Socialist Republic of Sri Lanka (the Recipient).
- (2) The Project consists of **the Construction of CFC Refrigeration Plant in Galle Fishery Harbour** consisting as following component;
 - **Construction Refrigeration plant (Block ice plant, Ice storage, Blast freezer, Cold storage and building)**
 - **Supply of equipment for refrigeration plant**
 - **Demolishing of existing concrete structure**
- (3) On behalf of the Government of the Democratic Socialist Republic of Sri Lanka, Japan International Cooperation System (JICS) (hereinafter referred to as “the Employer”) as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, will invite the eligible Tenderers provided in Clause 2 of this Chapter to Tender for Construction Work for the Project.
- (4) The Execution Agency of the Project shall be the **Ministry of Fisheries & Aquatic Resources** in the Democratic Socialist Republic of Sri Lanka.

2. QUALIFICATION OF TENDERERS

Tenderers shall be construction firms and companies who were invited to participate in the tendering process by the Employer and obtained the Tender Documents.

3. DESCRIPTION OF THE PROJECT

- (1) The Employer takes responsibility for implementing the Project, with the **technical tender evaluation services** provided by the Consultant who is designated by the Employer through the tendering process for the Project (hereinafter referred to as the “Consultant”).

- (2) The Project will contribute to the **recovery of fishery sector rehabilitation and development through construction of CFC Refrigeration Plant in Galle Fishery Harbour's** appointed areas.
- (3) The Tenderer, if awarded, shall proceed with the work in accordance with the detailed design and drawings in the Tender Documents.

4. SCOPE OF WORKS

The scope of works of the Project covered by this Tendering (hereinafter referred to as "the Work") of the Project consists of the following:

- **Construction of refrigeration plant and supply of equipment**

Details of the Work shall be stipulated in due conformity with the Specifications of the Tender Documents.

5. COMPLETION DATE OF THE WORK

The Work shall be completed within **10 calendar months** from the date of award of contract.

6. ACQUAINTANCE WITH LOCAL CONDITIONS

- (1) The Project Site is located in Southern province, Galle District, Galle division.
- (2) To the extent practicable (taking into account of cost and time), the Tenderers shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances that may influence or affect the Tender or to have inspected and examined the Project Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):
 - 1) the form and nature of the Project Site, including sub-surface conditions,
 - 2) the hydrological and climatic conditions,
 - 3) the extent and nature of the Work and goods necessary for the execution and completion of the Work and remedying of any defects,
 - 4) the laws, procedures and labor practices of the country, and
 - 5) the Contractor's requirement for access, accommodation, facilities, personnel, power, transport, water and other services.

CHAPTER 2 TENDER DOCUMENTS

1. COMPOSITION OF TENDER DOCUMENTS

The Tender Documents are composed of the following:

- (1) Instructions to Tenderers
- (2) Contract Agreement
- (3) General Conditions
- (4) Particular Conditions
- (5) Form of Performance Security
- (6) Letter of Tender and Appendix to Tender
- (7) Specifications and Drawings
- (8) Bill of Quantities and Schedules

The documents are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, it shall be interpreted in accordance with the above-mentioned sequence as an order of priority.

2. RESPONSIBILITY OF TENDERERS

- (1) Tenderers shall examine carefully the Tender Documents to understand fully the content of the Work including the amounts and any difficulties or restrictions that may affect the execution and completion of the Work.
- (2) Tenderers shall be liable for any failure or negligence to obtain reliable and necessary information for successful execution or completion of the Work.

3. CLARIFICATION OF TENDER DOCUMENTS

- (1) Any inquiries on the Tender Document or any doubts as to its interpretation shall be written in English and sent to the **Employer** by facsimile on or before 17:00 on the **3rd day of June, 2005**
- (2) The Employer shall respond in writing to the inquiry and/or expressed doubt on interpretation. The responses will be sent by facsimile to all prospective Tenderers who purchased the Tender Documents on the **9th day of June, 2005**.
- (3) All prospective Tenderers shall send a facsimile to the **Employer** for the confirmation of the receipt.

- (4) The responses shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

4. ADDENDA OF TENDER DOCUMENTS

- (1) The **Employer** may, for any reason, whether at his own initiative or in response to a clarification requested by prospective Tenderers, modify the Tender Documents.
- (2) The Employer will notify in English all prospective Tenderers by facsimile of any addenda indicating such modification on or before the **9th day of June 2005**, i.e., **at least 6 calendar days** before the day of Tender opening.
- (3) The prospective Tenderers shall send the confirmation of receiving the addenda stated above to the Employer by facsimile.
- (4) The addenda shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

CHAPTER 3 PREPARATION AND SUBMISSION OF TENDER

1. PREPARATION OF TENDER

- (1) The Tender shall be prepared in accordance with the forms as shown in Section 9 “Schedules” of STANDARD BIDDING DOCUMENT (PROCUREMENT OF WORKS, MAJOR CONTRACT), First Edition-September 2003, published by the Institute for Construction Training and Development (ICTAD), Publication No. ICTAD/SBD/02, unless otherwise specified particularly. The Tender shall be also submitted by filling out the forms and documents provided on the Letter of Tender. Each of the forms shall be completely filled in indelible ink or typewritten or computer printouts. No interlinings, erasures (or crossing out), addition, or alteration may be allowed. If the documents submitted by the Tenderer do not meet the requirements mentioned above, the Tenderer may be disqualified.
- (2) The Tenderers shall submit the following:
 - 1) Letter of Authority with signature of the representative duly certified by the Tenderer
 - 2) General Information on Tenderers
(See the attached “Schedule” in this Part.)
 - 3) a. List of Work Experience of General Construction Works in Sri Lanka for the last five (5) years
(See the attached “Schedule 1 - A” in this Part.)
b. Name of specialized sub-contractors proposed to be employed for the project.
 - 4) Details of on going **construction** contracts of the tenderer
(See the attached “Schedule 1 – B” in this part)
 - 5) Financial information above the tenderer
(See the attached “Schedule 2 – A to F”)
 - 6) Personal resources of the tenderer
(See the attached “Schedule 3 – A & 3 – B”)
 - 7) Plant equipment of the tenderer
(See the attached “schedule 4)

8) Arbitration and / Litigation history

(See the attached “schedule 5”)

9) Construction schedule together with method statement and labour histogram.

(Refer to Schedule 8 in the above-mentioned Standard Bidding Document by ICTAD. The Work shall be completed by the date appointed in Clause 1, Chapter 1.)

10) Letter of Tender and Appendix to Tender (Contract Data)

11) Bid Bond (See (5) in this Clause below.)

12) Priced Bill of Quantities

13) List of equipments

- (3) All entries in the Tender including attachments shall be written in English. All units in the Tender shall be in the metric system unless otherwise specified in the Specifications or Drawings.
- (4) Incomplete, vague or conditional Tenders will not be considered.
- (5) Tenderer shall submit a Bid Bond. The details are described in the conditions below:
 - 1) Issuer shall be by the head office or a branch in Sri Lanka of a first class, internationally recognized bank or an insurance company.
 - 2) Form shall be in a form of guarantee issued by the above-mentioned institution.
 - 3) Amount shall be not less than two percent (2%) of the total Tender price.
 - 4) Validity shall cover more than **60 days** after the opening date of Tender. (May be extended if so requested)
 - 5) Timing of Release
 - i) To the unsuccessful Tenderers

Promptly after the official decision is made that they are unsuccessful.
 - ii) To the successful Tenderer

After signing the Contract and his submission of a performance security.

2. TENDER PRICES

- (1) All prices shall be quoted in Sri Lanka Rupees (Rs) without exception and the Tender price shall be stated on the basis of lump sum price.
- (2) VAT and Custom component under this contract shall be borne by the Execution Agency.
- (3) Tender prices shall be firm and final, and not subject to escalation.
- (4) The contract price is also to be made in Sri Lanka Rupees (Rs). However, all payments from the Employer shall be done by bank transfer from Japan to the bank account designated by the Contractor in Japanese Yen. The conversion from Sri Lanka Rupees to Japanese Yen shall be made according to the exchange rate published on the date of Certificate required for each payment issued by the Employer.

3. TERM OF VALIDITY OF TENDER

The Tenders shall remain valid and irrevocable for a period of sixty (60) days on and after the date of the Tender opening.

4. SUBMISSION OF TENDER

- (1) The Tenderers shall prepare one (1) original and one (1) copy of their Tender. The Tenderers shall submit the Tender in envelopes that are properly sealed and duly marked as , "ORIGINAL" or "COPY", the name of Tenderer, and the name of project. Therefore, the Tenderers shall submit two sets (ORIGINAL and COPY) of respectively
- (2) The Tenders shall be submitted to the address specified in Chapter 4 herein, not later than the closing time for submission of Tenders specified in the same.
- (3) The Tender shall be submitted in person. The Tenders through other means such as telex, telegraph, facsimile, e-mail or mail shall not be accepted.
- (4) Any Tender received after the closing time will be returned unopened.
- (5) Alternative Tender shall not be allowed.
- (6) The Tenderer is neither allowed to modify nor withdraw his Tender after the closing time.

5. INTERPRETATION OF TENDER

- (1) Should there be any discrepancy between the “ORIGINAL” and the “COPY”, the “ORIGINAL” shall prevail. If there is a difference between the figures entered in words and in numerals in the Tender, the figures entered in words shall prevail.

- (2) Should there be any discrepancy between the Tender price in the Letter of Tender and the total price of the Bill of Quantities, the Tender price in the Letter of Tender shall prevail.

CHAPTER 4 OPENING OF TENDER

1. INTRODUCTION

- (1) The Proposals of all Tenders shall be opened at the **Client's office**, immediately after the closing time, in the presence of the Tenderers as follow.

Venue: **Conference room on the 3rd floor in Hilton Colombo Residence**

Time & Date: **11:00 a.m. Sri Lanka Standard Time on the 15th day of June, 2005**

Address: **Hilton Colombo Residence,
Telephone/Facsimile; +94-11-536-0503**

At least one (1) authorized person with a Letter of Authority of the Tenderer shall attend the Tender opening.

2. TENDER OPENING PROCEDURES

- (1) All participants of the Tender opening shall register their signatures in an attendant list prepared by the **Employer** before the Tender opening.
- (2) The **Employer** shall confirm the validity of each authorized person with a Letter of Authority of the Tenderers. In case the document is incomplete or inappropriate, the Tenderers shall forfeit his right to participate in the Tender opening any further and the Tender shall be returned unopened.
- (3) Tenders will be open immediately after closing time and the tender price offered by each tenderer shall be read aloud and recorded.
- (4) In the event that all Tenderers are not successful, the Employer will prepare another Tender with modifications and exercise a re-Tender.

CHAPTER 5 EVALUATION OF TENDER AND AWARD OF CONTRACT

1. EVALUATION OF TENDER

- (1) The Employer will ascertain, examine and evaluate the Tenders in the light of the following:
 - 1) computations are free of material errors,
 - 2) the submitted documents are substantially responsive to the Tender Documents,
 - 3) the required certificates have been provided,
 - 4) documents have been properly signed, and
 - 5) the Tenders are otherwise generally in order.
- (2) If a Tender does not substantially conform to the Specifications, or contains inadmissible reservations or otherwise is not substantially responsive to the Tender Documents, it shall be rejected.
- (3) The Employer will examine and evaluate at his discretion the Tender prices submitted by Tenderers.
- (4) If the Tender of the prioritized Tenderer is incomplete, the Employer will negotiate for the contract with the next lowest priced Tenderer and these procedures will be followed until the Employer reaches agreement with a Tenderer.
- (5) The Employer intends to select an appropriate contractor for the Work within one month after opening of the tender.

2. CLARIFICATION OR ALTERNATION OF TENDER

In the examination, evaluation and comparison of the Tenders, the Employer may, at his discretion, ask any Tenderer for a clarification of his Tender. All responses to the requests for clarification shall be in writing, and no change in the total price or the substance of the Tender shall be offered or permitted.

3. PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, and evaluation of Tenders, and recommendations for the award of the contract shall not be disclosed to Tenderers or any other persons who are not officially concerned with such process until the notification of award defined in Chapter 5 Clause 5.

4. CONTACT WITH THE EMPLOYER

- (1) Except for the purpose of clarification of the Tender as provided in Clause 2 of this Chapter, no Tenderers shall contact the Employer and the Consultant on any matter related to the Tender, from the time of the Tender opening to the time of Contract awarding.
- (2) Any attempt by a Tenderer to influence the Employer's and the Employer's processing or awarding of Tenders may result in the disqualification of the Tenderer.

5. LETTER OF ACCEPTANCE

- (1) The Tenderer whose offer substantially conforms to the Specifications and other conditions of the Tender Documents, and who offers the lowest price shall be designated as the successful Tenderer.
- (2) After completion of evaluation of the Tenders, the Employer shall issue the Letter of Acceptance to successful Tenderer within the period of validity of Tenders stated in Chapter 3 Clause 3 hereof by facsimile or registered letter.

6. SIGNING OF CONTRACT

- (1) At the same time that the Employer notifies the successful Tenderer that his Tender has been accepted, the Employer will send the Tenderer the Contract Agreement provided in the Tender Documents, incorporating all arrangements between the parties.
- (2) The following documents shall be considered as integral parts of the Contract:
 - 1) Contract Agreement
 - 2) Tender of the successful Tenderer
 - 3) General Conditions
 - 4) Particular Conditions
 - 5) Specifications
 - 6) Drawings
 - 7) Bill of Quantities and Schedules
 - 8) Instruction to Tenderers and such other documents intended to form the Contract

The documents of the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the interpretation shall be done in accordance with the above-mentioned sequence of the priority.

7. PERFORMANCE SECURITY

The successful Tenderer, having received the Letter of Acceptance, shall furnish a performance security amounting to ten percent (10%) of the total contract price within fourteen (14) days following the date of award. The Employer shall have the custody of the performance security.

8. NOTIFICATION OF THE RESULT OF TENDER

Upon receiving the performance security from the successful Tenderer, the Employer shall promptly notify the other Tenderers in writing that their Tenders have been unsuccessful.

CHAPTER 6 COMMON CONDITIONS

1. SAFETY PROCEDURE

The Contractor shall:

- (1) comply with all applicable safety regulations in Sri Lanka,
- (2) take care for the safety of all persons entitled to be on the Project Site,
- (3) use reasonable efforts to keep the Project Site and the Work clear of unnecessary obstruction so as to avoid danger to persons entitled to be on the Project Site,
- (4) provide fencing, lighting, guarding and watching of the Work until completion and taking-over, and
- (5) provide any temporary works (including roadways, footways, guards and fences) that may, because of the execution of the Work, be necessary for the use by or protection of the public and of owners and occupants of adjacent land.

2. PROTECTION OF THE ENVIRONMENT

The Contractor shall take all reasonable steps to protect the environment (both on and off the Project Site) and to limit damage and nuisance to people and property resulting from pollution, noise or other aspects of his operations.

GENERAL INFORMATION OF TENDERER

1.0 GENERAL INFORMATION

(a) Registered Name of Firm :-.....
(Copy of Business Registration or
Certificate of Incorporation should be attached).

(b) Head Office Address :-
.....

(c) Telephone Numbers :-

(d) Fax Numbers :-

(e) E-Mail Address :-

(f) VAT Registration Number :-
(Attach copy of Department of Inland
Revenue letter assigning VAT No.)

(g) Type of Organization

Limited Liability Co.

Partnership

Sole Proprietor

Government Organization

(h) Organization Chart

(i) ICTAD Registration Expiry Date

Grade

No.

(j) NCCASL Membership Expiry Date

No.

2.0 PERSON MANAGING THE AFFAIRS OF THE CONTRACTOR'S ORGANIZATION

(a) Name of person :
.....

(b) Designation / Title :
.....

(c) Certified copy of appointment / authority and designation

(d) Telephone Number :-.....

(e) E-mail Address : -.....

(f) Fax No. :-.....

2. CONTRACT AGREEMENT

2. CONTRACT AGREEMENT

This Agreement made and entered in to the ____ day of (month), 2005 between Japan International Cooperation System (JICS) of Japan (hereinafter called "the Employer") of the one part, and (Name of the Contractor) (Address of the Contractor) (hereinafter called "the Contractor") of the other part,

WHEREAS, the Government of Japan extends its grant to the Government of the Democratic Socialist Republic of Sri Lanka on the basis of "the Exchange of Notes" signed on the 17th day of January, 2005 between the Governments concerning the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as "the Programme"); and

WHEREAS, the Employer, as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, is desirous to execute and complete the Work for the **Construction of CFC Refrigeration Plant in Galle Fishery Harbour** (hereinafter referred to as "the Project"), in its current portion of the Programme; and

WHEREAS, the Contractor is willing to execute and complete the Work and the remedying of any defects therein, to the Employer under the terms and conditions as set forth in this Agreement;

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 Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - (a) The Letter of Acceptance dated _____

- (b) The Letter of Tender dated _____
 - (c) The Addenda nos _____
 - (d) The Conditions of Contract
 - (e) Contract Data
 - (f) The Specification
 - (g) The Drawings
 - (h) The Priced Bill of Quantities, and
 - (i) The completed Schedules.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Work and remedy any defects therein, in conformity with the provisions of the Contract.
4. The Employer, on behalf of the Government of the Democratic Socialist Republic of Sri Lanka, hereby covenants to pay the Contractor, in consideration of the execution and completion of the Work and the remedying of defects therein. The Contract Price 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 first before written in accordance with their respective laws.

SIGNED by _____
For and on behalf of the Employer in the presence of

SIGNED by _____
For and on behalf of the Contractor in the presence of

Witness: _____
Name: _____
Address: _____
Date: _____

Witness: _____
Name: _____
Address: _____
Date: _____

3. GENERAL CONDITIONS

**CONSTRUCTION WORK
FOR
CFC REFRIGERATION PLANT
IN
GALLE FISHERY HARBOUR
DAMAGED BY TSUNAMI DISASTER**

3. GENERAL CONDITIONS

The General Conditions shall be “Conditions of Contract for STANDARD BIDDING DOCUMENT (PROCUREMENT OF WORKS, MAJOR CONTRACT), First Edition-September 2003, published by the Institute for Construction Training and Development (ICTAD) , Publication No. ICTAD/SBD/02.

The General Conditions shall be read in conjunction with the Particular Conditions. Where indicated in the Particular Conditions, the General Conditions shall be amended, and where a discrepancy occurs between the two documents the Particular Conditions shall have priority.

4. PARTICULAR CONDITIONS

CLAUSE 1 - GENERAL PROVISIONS

Sub-Clause 1.1 - Definitions

Sub-Clause 1.1.1.9 is amended by the addition of the following sentence at the end:

“Drawings include the basic design drawings and sketches issued by the Consultant to the Contractor during the construction.”

Sub-Clause 1.1.2.2

The Employer is Japan International Cooperation System (JICS), the agent of the Democratic Socialist Republic of Sri Lanka.

Sub-Clause 1.1.2.4

(未確認状況)

Sub-Clause 1.4 – Laws and Language

Sub-Clause 1.4 is amended as follows:

“The Contract shall be governed by the laws of Japan and the language for all purposes for the Contract shall be English.”

Sub-Clause 1.13 - Compliance with Laws

Second line is deleted and replaced with the following sentence:

“VAT & Custom component under this contract shall be borne by the Executing Agency.”

CLAUSE 4 – THE CONTRACTOR

Sub-Clause 4.1 - Contractor’s General Obligations

Add the following new subparagraph;

- (e) The Contractor shall promptly notify the Employer and the Consultant of any error, omission, fault or any other defect in the design of or specifications for the Work which he discovers when reviewing the Contract or in executing the Work.

Sub-Clause 4.4 – Subcontractors

Add the following new subparagraph;

- (e) Where practicable, the Contractor will give a fair and reasonable opportunity for contractors from the Country to be appointed as subcontractors.

CLAUSE 14 – CONTRACT PRICE AND PAYMENT

Sub-Clause 14.1 - The Contract Price

Subparagraph (b) is deleted and replaced with the following subparagraph (b);

- (b) “VAT & Custom component under this contract shall be borne by the Executing Agency.

As following subparagraph shall be added in Sub-Clause 14.1

- (e) “Contract price composed Refrigeration Plant Cost, Supply Equipment Cost and Construction Building Cost. These three items payment shall be differed payment schedule. Details shall be shown Sub-Clause 14.2 to 14.13 in next sub-clause.

Sub-Clause 14.2 - Advance Payment up to 14.13 - Cessation of Employer’s Liability

Those sub-clauses are deleted and replaced with the following descriptions;

The Contract Price shall be quoted in Sri Lanka Rupees (Rs) on the basis of lump sum price and shall be firm and final, and not subject to escalation.

The Contract Price will be paid in accordance with the following schedules to the Contractor.

(1) Refrigeration Plant payment condition

(a) Advance Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price, shall be paid upon the concluding the Contract and acceptance of the Performance Security from the Contractor together with an on demand bank guarantee equivalent to the advance payment should be submitted from a Commercial Bank operating in Sri Lanka approved by the Central Bank.

(b) First Interim Payment

The amount which corresponds to Fourty percent (40%) of the Contract Price shall be paid upon main Refrigeration Plant machine and material delivered to the site under the Contract.

(c) Second Interim Payment (Practical completion)

The amount which corresponds to Twenty Seven and Half percent

(27.5 %) of the Contract Price shall be paid upon the practical completion of the Work under the Contract.

(d) Final payment

After the completion of all defects identified during the practical completion and also by the consultant and the client during the 12 months maintenance period together with final certificate issued by the consultant balance Two point and Half percent (2.5%) withheld for the defects liability period shall be released under the contract.

(2) Supply of Equipment Cost

(a) First Interim Payment

The amount which corresponds to Hundred percent (100%) of the Equipment Price, shall be paid upon the deliver the Equipment to the site.

(3) Construction Cost

(a) Advance Payment

The amount which corresponds to thirty percent (30%) of the Contract Price, shall be paid upon the concluding the Contract and acceptance of the Performance Security from the Contractor together with an on demand bank guarantee equivalent to the advance payment should be submitted from a Commercial Bank operating in Sri Lanka approved by the Central Bank.

(b) First Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Fifty percent (50%) of completion of the Work under the Contract.

(c) Second Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Eighty-five percent (85%) of completion of the Work under the Contract.

(d) Third interim Payment (Practical completion)

The amount which corresponds to seven and half percent (7.5 %) of the Contract Price shall be paid upon the practical completion of the Work under the Contract.

(e) Final payment

After the completion of all defects identified during the practical completion and also by the consultant and the client during the 12 months maintenance period together with final certificate issued by the consultant balance two point and half percent (2.5%) withheld for the defects liability period shall be released under the contract.

5. FORM OF PERFORMANCE SECURITY

5. FORM OF PERFORMANCE SECURITY

Brief description of Contract _____

Name and address of Beneficiary _____

_____ (together with successors and assigns, all as defined in the Contract as the Employer)

By this Bond, *(name and address of contractor)* _____ (who is the contractor under such Contract) as Principal and *(name and address of guarantor)* _____ as Guarantor are irrevocably held and firmly bound to the Beneficiary in the total amount of _____ (the "Bond Amount", say: _____) for the due performance of all such Principal's obligations and liabilities under the Contract.

This Bond shall become effective on the Commencement Date defined in the Contract.

Upon Default by the Principal to perform any Contractual Obligation, or upon the occurrence of any of the events and circumstances listed in sub-clause 15.2 of the conditions of the Contract, the Guarantor shall satisfy and discharge the damages sustained by the Beneficiary due to such Default, event or circumstances, However, the total liability of the Guarantor shall not exceed the Bond Amount.

The obligations and liabilities of the Guarantor shall not be discharged by any allowance of time or other indulgence whatsoever by the Beneficiary to the Principal, or by any variation or suspension of the works to be executed under the Contract, or by any amendments to the Contract or to the constitution of the Principal or the Beneficiary, or by any other matters, whether with or without the knowledge or consent of the Guarantor.

Any claim under this Bond must be received by the Guarantor on or before *(the date six months after the expected expiry of the Defects Notification Period for the Works)* _____ (the "Expiry Date"), when this Bond expires and is returned to the Guarantor.

The benefit of this Bond may be assigned subject to the provisions for assignment of the Contract, and subject to the receipt by the Guarantor of evidence of full compliance with such provisions.

This Bond shall be governed by the law of the same country as that which governs the Contract. This Bond incorporates and shall be subject to the Uniform Rules for Contract Bonds, published as number 524 by the International Chamber of Commerce, and words used in this Bond shall bear the meanings sell out in such Rules.

Wherefore this Bond has been issued by the Principal and the Guarantor on (date)

Signature(s) for and on behalf of the Principal _____

Signature(s) for and on behalf of the Guarantor _____

6. LETTER OF TENDER AND APPENDIX TO TENDER

6. LETTER OF TENDER

NAME OF CONTRACT: **THE CONSTRUCTION WORK FOR CFC REFRIGERATION PLANT IN GALLE FISHERY HABOUR**

Tender Ref. No. **NPTSL04-033**

TO: JAPAN INTERNATIONAL COOPERATION SYSTEM (JICS)
5th Floor
Shinjuku East Bldg.,
10-5, Tomihisa-cho,
Shinjuku-ku, Tokyo, 162-0067, JAPAN

We have examined the Conditions of Contract, Specifications, Drawings, Bill of Quantities, the other Schedules, the attached Appendix and Addenda Nos ***** for the execution of the above-named Work. We offer to execute and complete the Work and remedy any defects therein in conformity with this Tender which includes all these documents, for the sum of

(In Sri Lanka Rupees) _____

or such other sum as may be determined in accordance with the Conditions of Contract.

We agree to abide by this Tender until (Date, Month, and Year) and it shall remain binding upon us and may be accepted at any time before that date. We acknowledge that the Appendix forms part of this Letter of Tender.

If this offer is accepted, we will provide the specified Performance Security, commence the Work in accordance with the Contract, and complete the Work in accordance with the above-named documents within the Time for Completion.

Unless and until a formal Agreement is prepared and executed this Letter of Tender, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept any specific part, the lowest or any tender you may receive.

Signature _____ in the capacity of _____

duly authorised to sign tenders for and on behalf of _____

Address _____

Date _____

6.2 Appendix to Tender (Contract Data)

[Note: with the exception of the items for which the Employer's requirements have been inserted, the following information must be completed before the Tender is submitted.]

Items	Condition of Contract Clause Numbers	Descriptions
Employer's name and address	1.1.2.2 & 1.3	Japan International Cooperation System (JICS) 5 th Floor, Shinjuku East Bldg.10-5 Tomihisa-cho Shinjuku-ku, Tokyo 162-0067 JAPAN
Contractor's name and address	1.1.2.3 & 1.3	
Engineer's name and address	1.1.2.4 & 1.3	Consultant's name and address
Time for Completion of the Work	1.1.3.3	By 15 st March 2006
Defects Notification Period	1.1.3.7	1 year
Electronic transmission systems	1.3	Facsimile or e-mail
Governing Law	1.4	Japan
Ruling language	1.4	English
Language for communications	1.4	English
Right to access to the Site	2.1	One (1) day after the Commencement Date
Amount of Performance Security	4.2	Ten (10) % of the Contract Amount, in the currencies and proportions in which the Contract Price is payable.
Normal working hours	6.4	Not specified
Delay damages for the Work	8.7	Zero point five (0.5) % of the Contract Price per day, in the currencies and proportions in which the Contract Price is payable
Maximum amount of delay damages	8.7	Ten (10)% of the Contract Price
Method of Measurement	12.2(b)	Actual work done basis
Percentage for adjustment of Provisional Sums	13.4(b)	Ten percent (10%)
Percentage of retention	14.3 (c)	Five (5) percent
Currency of Payment	14.15	Sri Lanka Rupee (Rs) as named in the Letter of Tender
Periods for submission of insurance: (a) evidence of insurance (b) relevant policies	18.1	(a) Seven (7) days after issuing the Letter of Acceptance (b) Twenty-one (21) days after issuing the Letter of Acceptance
Third party insurance	18.2	0.5% or as required
Failure to Agree Dispute Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD)
Fees payable to the Adjudicator		Fees and reimbursable payments to be paid for

Items	Condition of Contract Clause Numbers	Descriptions
Failure to Agree Dispute Adjudicator Fees payable to the Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD) Fees and reimbursable payments to be paid for Adjudicator are as follows: _____

Initials of signatory of Tender _____

7. SPECIFICATIONS AND DRAWINGS

SEE THE FILE SEPARATED.

8. BILL OF QUANTITIES AND SCHEDULES

8. BILL OF QUANTITIES AND SCHEDULES

1. This Bill of Quantities shall be read in conjunction with such contract documents as, but not limited to, the Conditions of Contract, Specifications, the Instructions to Tenderer, the Drawings and other pertinent data. The Tenderer shall be deemed to have fully acquainted himself with the detailed description of the Work to be done, the way in which he shall carry out and the requirements and standards of the Work.
2. Payment for lump sum items will be made in accordance with relevant payment clauses in the Specifications, or, if not specified, interim payments will be made as approved by the Consultant.
3. The unit rates and lump sum prices and amounts for the various items of works listed in the Bill of Quantities shall be expressed in Sri Lanka Rupees (Rs). The unit rates and lump sum prices and amounts shall include, except insofar as it is otherwise provided under the contract, all labor, construction equipment, materials, erection, maintenance, supervision, insurance, profit, duties together with all general risks, if any, liabilities and obligations set forth or implied in the contract.
4. If there is any discrepancy between the unit rate and the amount entered for any item in the Bill of Quantities, the amount shall be taken as correct.
5. Any additional labor, construction equipment or materials required to make good defective work or used in repair or maintenance shall be at the expense of the Contractor and shall not be taken into account when determining the sum to be paid for each item.
6. All progress payments made by interim certificates are deemed to be provisional payments, and the Employer has power to reduce the paid amount in preceding payment certificates whomsoever any defect is found in or on the said work or to replace the payment from one item to other item if such rearrangement is judged as necessary. The final payment certificate which is provided after the issuance of the Final Certificate is solely deemed as the correct and definitive certificate in quantities and amounts to each item of work and whole of the Work.
7. The Bill of Quantities composed 3 part, one is refrigeration plant cost, second is the equipment cost, final is construction of building cost. Form of Bill of Quantities is attached.

Refrigeration Plant cost

No.	Name of the Facilities and Equipment	Qty	Unit price (at site)	Installation cost	Total price (RS)
1	Block ice plant (50ton/day)	1 lot			
2	Ice storage (100ton)	1 lot			
3	Air blast freezer (7.5ton/day)	2 lots			
4	Cold storage (#1,2)	2 lots			
5	Cold storage (#3)	1 lot			
6	Cold storage (#4,5on)	2 lots			
7	Air conditioning system	1 lot			
8	Backup generator system	1 lot			
9	Others	1 lot			
	Total				

Equipment cost

No.	Name of the Facilities and Equipment	Qty	Unit price (at site)	nil	Total price (RS)
1	Electric folk lift	2 sets			
2	Processing machines	1 lot			
3	Processing equipment	1 lot			
	Total				

Building construction**Steel structure**

Unit : RS

item	quantity	u. price	unit	amount
Steel structure			ton	
Roofing (steel plate with Z-A alloy)			m2	
Wall (steel plate with Z-A alloy)			m2	
Eaves and gutter etc			lot	
miscellaneous			lot	
			Sub total	

Concrete skeleton

Demolishing of existing structure			lot	
Transportation of debris			lot	
Excavation			m3	
Gravel			m3	
Base concrete			m3	
Wall + floor concrete			m3	
cinder concrete t=12cm			m3	
Other miscellaneous			lot	
			Sub total	

Interior work

C-Block			m2	
Mortar finishing(wall)			m2	
Water proof painting(wall)			m2	
Epoxy painting			m2	
Urethane coating(floor)			m2	
Caulking work(joint)			m	
Toilet booth			m2	
Mortar base board			m	
Ceiling work(suspended type)			m2	
Floor insulation board t=150mm			m	
Foot wash basin			lot	
Frame filling mortar			m	
Other miscellaneous			lot	
			Sub total	

Fitting

Sliding door, Al				
Sliding door, Al w=2m				
Sliding window, W=1.8,H=1.5m				
Aluminum door, W=1.4m				
Aluminum door, W=0.8m				
Aluminum hatch, W=1.0,H=1.2m				
Vinyl curtain, H=2.3m				
Other miscellaneous				
			Sub total	

Electricity

Transformer (Cubicle)				
Distribution board, 3 phase				
FI lump, inside cover				
FI lump, out side				
Wiring work				
Air conditioning of office, lobo,				
Other miscellaneous				
			Sub total	

Water supply system

Chlorine injection facility				
Booster pump				
Piping work				
			Sub total	

Water treatment system for processing

Ordinary toilet				
Processing water				
			Sub total	

Mechanical

Toilet				
Wash basin				
shower				
faucet by foot				
Ventilation fan				
Extra violet insecticide				
Mirror				
Drain grid plate(stainless)				
Floor drain pit				
Under floor piping				
Other miscellaneous				
			Sub total	

This Bill of Quantities amendable by Tenderer's proposal.

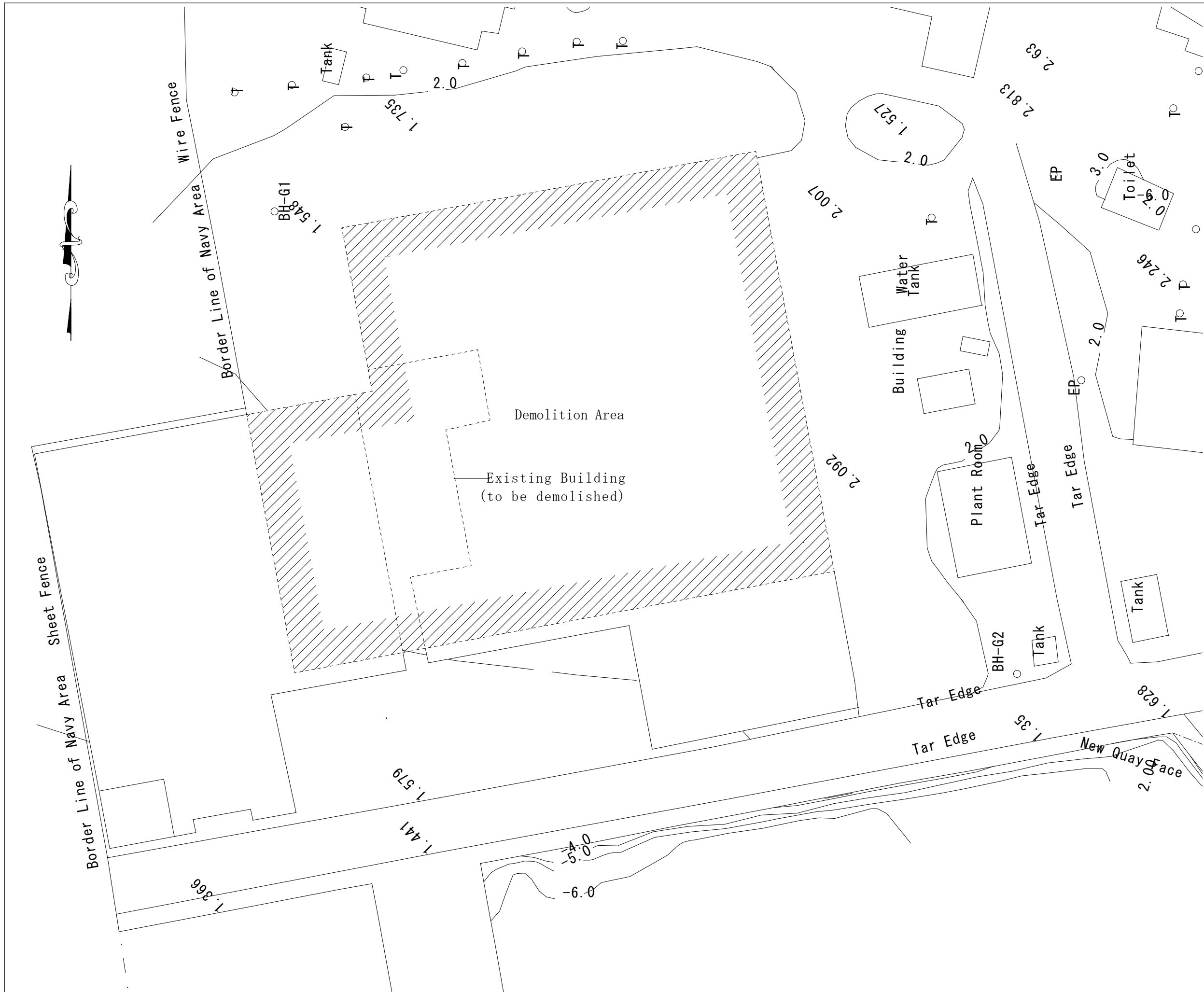
Breakdown of construction cost

Items		Unit	Amount
Structure	1	Lot	
Concrete	1	Lot	
Interior	1	Lot	
Fitting	1	Lot	
Electricity	1	Lot	
Water supply	1	Lot	
Water treatment	1	Lot	
Mechanical	1	Lot	
Construction cost	1	Lot	
Overhead, another expenses	1	Lot	
Building Cost Grand total		Lot	

DRAFT

**TENDER DOCUMENTS
OF
CONSTRUCTION WORK
FOR
CFC REFRIGERATION PLANT
IN
GALLE FISHERY HARBOUR
TSUNAMI DISASTER**

7. SPECIFICATIONS AND DRAWINGS



EMPLOYER:

TENDER REF. NO.

EXECUTING AGENCY:
 Ministry of Fisheries & Aquatic Resources
 Ceylon Fisheries Corporation (CFC)

PROJECT TITLE:
 Construction of
 CFC Refrigeration Plant,
 Processing Room
 of
 Galle fishery Harbour

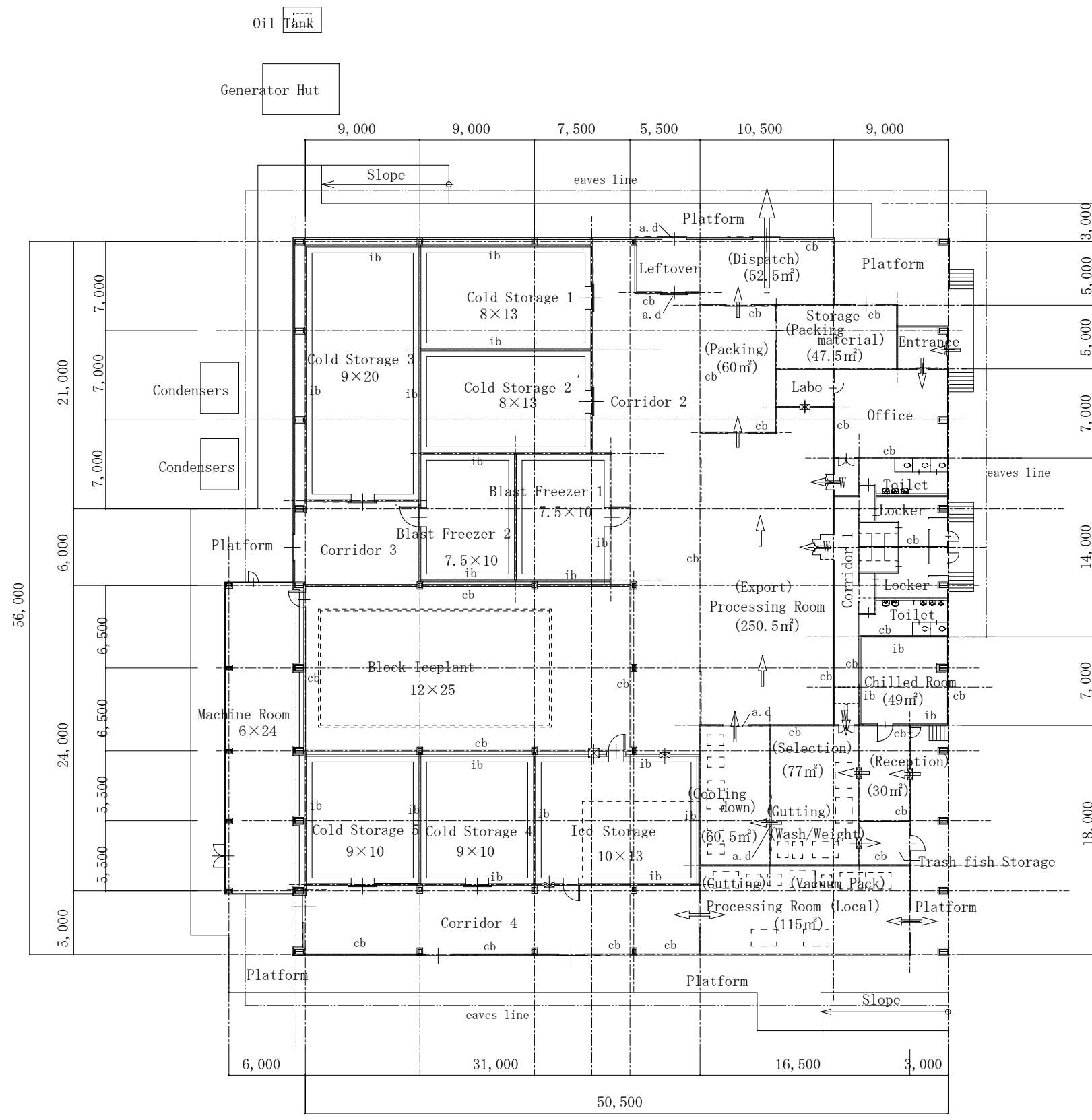
DRAWING TITLE:
 Demolition Area

DATE :	SCALE: 1/500
BY:	NO. A-002
BY:	
APPROVED BY:	

Finish Schedule of Exteriors			
Roof	:Zinc-Aluminium alloy Coated color roof sheet thickness 0.4to0.45mm toplight;polycarbonate board	Exterior wall	:Cladding type colored with Zinc-Aluminium alloy coated steel thickness 0.35 to 0.37 concrete block wall:mortar AEP
Eaves gutter	:Zn/Al steel sheet 0.8t, stainless steel gutter hangers	Window	:aluminium window finish of interior: Aluminum frame
Leader	:PVC pipe Φ-100, stainless steel leader straps	Exterior fittings	:hot dip Zn-11%, Al-3%, Mg-0.2% Si alloy coated steel
Eaves ceiling	:cement board AEP	Coating	:MARINE PAINT for all steel parts
Column	:high-ten steel and covered with Marine Paint with 200micro-mm after sand blasting	Exterior floor	:concrete trowel finishing coated by hardener
Beam	:high-ten steel and covered with Marine Paint with 200micro-mm after sand blasting	Handrail	:stainless steel pipe H=1,100
		Nosing of steps	:non-slip tile

Finish Schedule of Interiors									
Floor (FL)	Room name	Floor face FL=	Floor finish	baseboard	Wall finish	Cornice	Ceiling finish	ceiling height FL=	Furnishings
GF	Entrance	0	mortar trowel finishing coated by polyurethane coating	mortar trowel finsh urethan coated h=100	cb mortar trowel epoxy h2000 cb mortar trowel AEP	A1	acoustic rock-wool boad t-12	3000	
	Office	0	mortar trowel finishing coated by polyurethane coating	mortar trowel finsh urethan coated h=100	cb mortar trowel epoxy h2000 cb mortar trowel AEP	A1	acoustic rock-wool boad t-12	3000	
	Laboratry	0	mortar trowel finishing coated by polyurethane coating	mortar trowel finsh urethan coated h=100	cb mortar trowel epoxy h2000 cb mortar trowel AEP	A1	acoustic rock-wool boad t-12	3000	hatch
	Toilet	0	200 square tile water proofed mortar	—	200 square tile	P1	cement board t-6 VP ceiling joint:wood OP	2700	plywood (waterproof type) partition
	Locker	0	200 square tile water proofed mortar	mortar trowel finsh urethan coated h=100	cb mortar trowel AEP	P1	cement board t-6 Vp ceiling joint:wood OP		plywood (waterproof type) partition
	Corridor 1	0	mortar trowel finishing coated by polyurethane coating	mortar trowel finsh urethan coated h=100	cb mortar trowel AEP	P1	plasterboard t-12 EP	3000	
	Processing Room Export Area	0	mortar trowel finishing coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	cb mortar trowel epoxy	—	plasterboard t-12 EP	3000	hatch
	Processing Room Local Area	0	mortar trowel finishing coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	cb mortar trowel AEP	—	plasterboard t-12 EP	3000	
	Corridor 2	0	mortar trowel finishing coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	cb mortar trowel AEP panel supplied by plantequipment	P1	cement board t-6 VP ceiling joint:wood OP	3000	
	Block Ice Plant	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant equipment	—	with no ceiling	—	hatch
	Cold Storage 1·2	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant equipment	—	panel supplied by plant equipment	4200	
	Blast Freezer 1·2	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plantequipment	—	panel supplied by plant equipment	3500	
	Ice Storage	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant equipment	—	panel supplied by plant equipment	2800	hatch
	Corridor 3·4	0	mortar trowel finishing coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant equipment exterior wall steel plate	P1	cement board t-6 VP equipment	3000	
	Cold Storage 3·4·5	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant equipment	—	panel supplied by plant equipment	4200	
	Chilled Room	0	insulation board t=150 refaced;concrete with wiremesh coated by epoxy resin coating	mortar trowel finsh urethan coated h=100	panel supplied by plant	—	panel supplied by plant equipment	2400	
Machine Room	0	mortar trowel finishing coated by hardener coating	mortar trowel finsh h=100	exterior wall steel plate	—	with no ceiling			

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fisheries Corporation (CFC)	
PROJECT TITLE:	
Construction of CFC Refrigeration Plant, Processing Room of Galle fishery Harbour	
DRAWING TITLE:	
Finish Schdule	
DATE :	SCALE:
BY:	NO. A-003
BY:	
APPROVED BY:	



Plan S=1/400

CB: concrete block wall
 ib: insulation panel
 supplied by plant equipment
 a.d: Auto-door
 ⊕: hatch

EMPLOYER:

TENDER REF.NO.

EXECUTING AGENCY:
 Ministry of Fisheries & Aquatic Resources
 Ceylon Fisheries Corporation(CFC)

PROJECT TITLE:
 Construction of
 CFC Refrigeration Plant,
 Processing Room
 of
 Galle Fishery Harbour

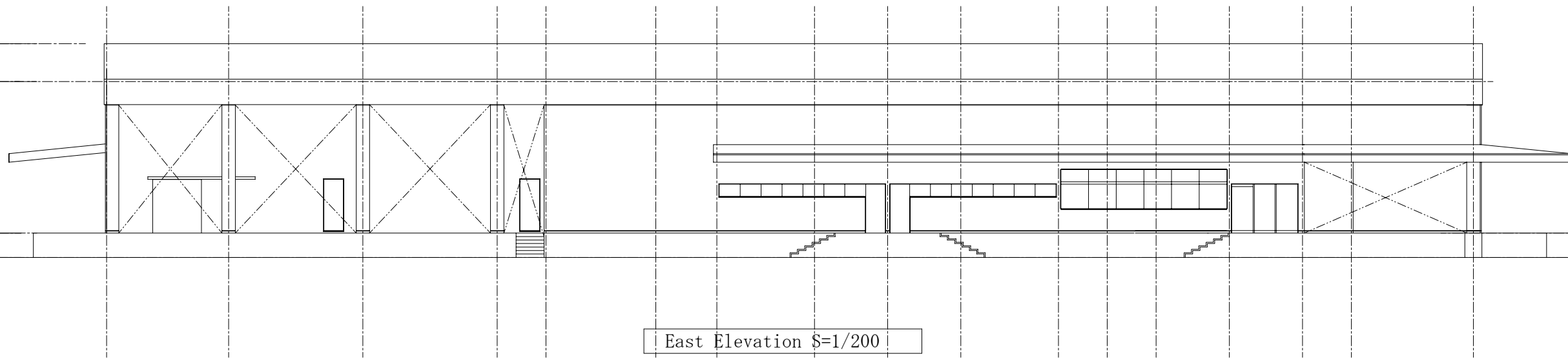
DRAWING TITLE:
 Floor Plan

DATE : SCALE: 1/400

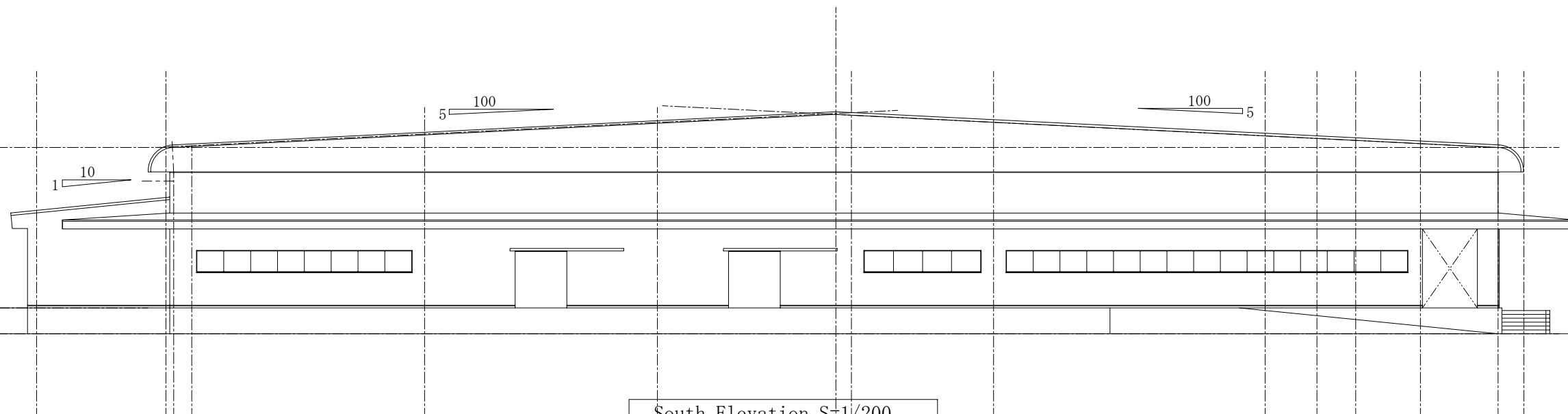
BY: NO.

BY: A-004

APPROVED BY:



East Elevation S=1/200



South Elevation S=1/200

EMPLOYER:

TENDER REF. NO.

EXECUTING AGENCY:

Ministry of Fisheries & Aquatic Resources
Ceylon Fisheries Corporation(CFC)

PROJECT TITLE:

Construction of
CFC Refrigeration Plant,
Processing Room
of
Galle Fishery Harbour

DRAWING TITLE:

Elevation

DATE :

SCALE: 1/200

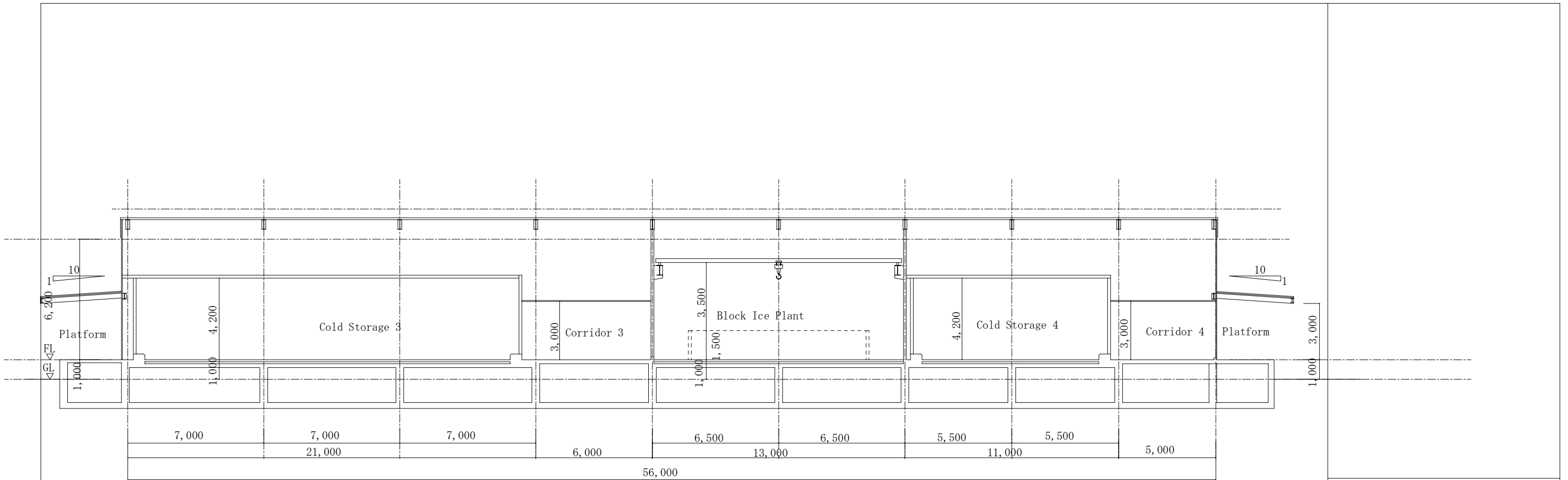
BY:

NO.

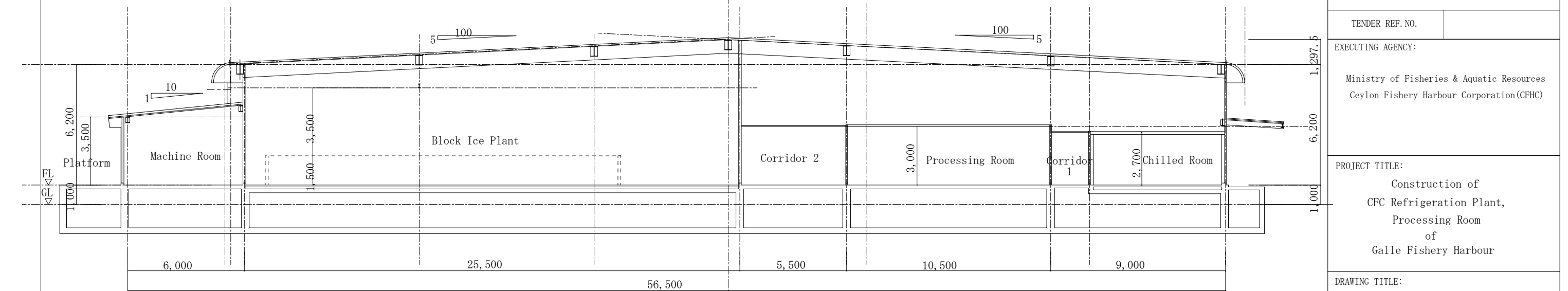
BY:

A-005

APPROVED BY:



Section A S=1/200



Section B S=1/200

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Construction of CFC Refrigeration Plant, Processing Room of Galle Fishery Harbour	
DRAWING TITLE: Section	
DATE :	SCALE: 1/200
BY:	NO. A-006
BY:	
APPROVED BY:	

DRAFT

TENDER DOCUMENTS FOR CONSTRUCTION WORK FOR REHABILITATION OF TANGALLE FISHERY HARBOUR DAMAGED BY TSUNAMI DISASTER

-
- 1. INSTRUCTIONS TO TENDERERS**
 - 2. CONTRACT AGREEMENT**
 - 3. GENERAL CONDITIONS**
 - 4. PARTICULAR CONDITIONS**
 - 5. FORM OF PERFORMANCE SECURITY**
 - 6. LETTER OF TENDER AND APPENDIX TO TENDER**
 - 7. SPECIFICATIONS AND DRAWINGS**
 - 8. BILL OF QUANTITIES AND SCHEDULES**
-

INSTRUCTIONS TO TENDERERS

**CONSTRUCTION WORK
FOR
REHABILITATION OF TANGALLE FISHERY HARBOUR
DAMAGED BY TSUNAMI DISASTER**

1. INSTRUCTIONS TO TENDERERS

CONTENTS

Chapter 1 Introduction.....	1
1. The Purpose of TENDER	1
2. Qualification of Tenderers.....	1
3. Description of the Project.....	1
4. Scope of Works	2
5. Completion date of the Work	2
6. Acquaintance with Local Conditions	2
Chapter 2 tender Documents	3
1. Composition of tender Documents	3
2. Responsibility of tenderERS	3
3. Clarification of tender Documents.....	3
4. Addenda OF Tender Documents.....	4
Chapter 3 Preparation and Submission of Tender	5
1. Preparation of Tender.....	5
2. Tender Prices	7
3. Term of Validity of Tender	7
4. Submission of Tender.....	7
5. Interpretation of Tender	8
Chapter 4 Opening of Tender.....	9
1. Introduction.....	9
2. Tender Opening Procedures	9
Chapter 5 Evaluation of Tender and Award of Contract.....	10
1. Evaluation of Tender	10
2. Clarification or Alternation of Tender	10
3. Process TO BE Confidential	10
4. Contact with the Employer.....	11
5. Letter of Acceptance.....	11
6. Signing of Contract	11

7. Performance Security	12
8. Notification of the Result of Tender	12
Chapter 6 Common Conditions	13
1. Safety Procedure	13
2. Protection of the Environment	13
(Form A)	14
(Form B)	15

CHAPTER 1 INTRODUCTION

1. THE PURPOSE OF TENDER

- (1) For the purpose of contributing to the execution of the Project for Reconstruction of Police Station Buildings Damaged by Tsunami Disaster (hereinafter referred to as “the Project”), in its current portion of the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as “the Programme”) under Japan’s Grant aid to the Government of the Democratic Socialist Republic of Sri Lanka in accordance with the Exchange of Notes signed on the 17th day of January, 2005 between the Government of Japan (the Donor) and the Government of the Democratic Socialist Republic of Sri Lanka (the Recipient).
- (2) The Project consists of the rehabilitation of the Tangalle fishery harbour consisting as following component;
 - Rehabilitation of the facilities donated by the Japanese Grant {CFHC office, Canteen, Net mending building, Toilet, Septic Tanks, Oil-lodge, Workshop, Winch hut, Oil pump and Ice storage}
 - Repairing of CFC cold rooms, Out door lights, Radio communication office and Security office.
 - Repairing the Breakwater and Groyne.
- (3) On behalf of the Government of the Democratic Socialist Republic of Sri Lanka, Japan International Cooperation System (JICS) (hereinafter referred to as “the Employer”) as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, will invite the eligible Tenderers provided in Clause 2 of this Chapter to Tender for Construction Work for the Project.
- (4) The Execution Agency of the Project shall be the Ministry of Fisheries & Aquatic Resources in the Democratic Socialist Republic of Sri Lanka.

2. QUALIFICATION OF TENDERERS

Tenderers shall be construction firms and companies who were invited to participate in the tendering process by the Employer and obtained the Tender Documents.

3. DESCRIPTION OF THE PROJECT

- (1) The Employer takes responsibility for implementing the Project, with the technical evaluation services provided by the Consultant who is designated by the Employer through the tendering engineering evaluation process for the Project (hereinafter referred to as the “Consultant”).

- (2) The Project will contribute to the **recovery of fishery sector rehabilitation and development through rehabilitation of Tangalle fishery harbour's facilities** in the appointed areas.
- (3) The Tenderer, if awarded, shall proceed with the work in accordance with the detailed design and drawings in the Tender Documents.

4. SCOPE OF WORKS

The scope of works of the Project covered by this Tendering (hereinafter referred to as "the Work") of the Project consists of the following:

- **Rehabilitation of Tangalle fishery harbour facilities**

Details of the Work shall be stipulated in due conformity with the Specifications of the Tender Documents.

5. COMPLETION DATE OF THE WORK

The Work shall be completed within **7 calendar months** from the date of award of contract.

6. ACQUAINTANCE WITH LOCAL CONDITIONS

- (1) The Project Site is located in Southern province, Tangalle District, Tangalle division.
- (2) To the extent practicable (taking into account of cost and time), the Tenderers shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances that may influence or affect the Tender or to have inspected and examined the Project Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):
 - 1) the form and nature of the Project Site, including sub-surface conditions,
 - 2) the hydrological and climatic conditions,
 - 3) the extent and nature of the Work and goods necessary for the execution and completion of the Work and remedying of any defects,
 - 4) the laws, procedures and labor practices of the country, and
 - 5) the Contractor's requirement for access, accommodation, facilities, personnel, power, transport, water and other services.

CHAPTER 2 TENDER DOCUMENTS

1. COMPOSITION OF TENDER DOCUMENTS

The Tender Documents are composed of the following:

- (1) Instructions to Tenderers
- (2) Contract Agreement
- (3) General Conditions
- (4) Particular Conditions
- (5) Form of Performance Security
- (6) Letter of Tender and Appendix to Tender
- (7) Specifications and Drawings
- (8) Bill of Quantities and Schedules

The documents are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, it shall be interpreted in accordance with the above-mentioned sequence as an order of priority.

2. RESPONSIBILITY OF TENDERERS

- (1) Tenderers shall examine carefully the Tender Documents to understand fully the content of the Work including the amounts and any difficulties or restrictions that may affect the execution and completion of the Work.
- (2) Tenderers shall be liable for any failure or negligence to obtain reliable and necessary information for successful execution or completion of the Work.

3. CLARIFICATION OF TENDER DOCUMENTS

- (1) Any inquiries on the Tender Document or any doubts as to its interpretation shall be written in English and sent to the Employer by facsimile on or before 17:00 on the **3rd day of June, 2005**
- (2) The Employer shall respond in writing to the inquiry and/or expressed doubt on interpretation. The responses will be sent by facsimile to all prospective Tenderers who purchased the Tender Documents on the **9th day of June, 2005**.
- (3) All prospective Tenderers shall send a facsimile to the Employer for the confirmation of the receipt.

- (4) The responses shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

4. ADDENDA OF TENDER DOCUMENTS

- (1) The Employer may, for any reason, whether at his own initiative or in response to a clarification requested by prospective Tenderers, modify the Tender Documents.
- (2) The Employer will notify in English all prospective Tenderers by facsimile of any addenda indicating such modification on or before the **9th day of June 2005**, i.e., **at least 6 calendar days** before the day of Tender opening.
- (3) The prospective Tenderers shall send the confirmation of receiving the addenda stated above to the Employer by facsimile.
- (4) The addenda shall constitute a part of the Tender Documents provided in Chapter 2 Clause 1.

CHAPTER 3 PREPARATION AND SUBMISSION OF TENDER

1. PREPARATION OF TENDER

- (1) The Tender shall be prepared in accordance with the forms as shown in Section 9 “Schedules” of STANDARD BIDDING DOCUMENT (PROCUREMENT OF WORKS, MAJOR CONTRACT), First Edition-September 2003, published by the Institute for Construction Training and Development (ICTAD), Publication No. ICTAD/SBD/02, unless otherwise specified particularly. The Tender shall be also submitted by filling out the forms and documents provided on the Letter of Tender. Each of the forms shall be completely filled in indelible ink or typewritten or computer printouts. No interlinings, erasures (or crossing out), addition, or alteration may be allowed. If the documents submitted by the Tenderer do not meet the requirements mentioned above, the Tenderer may be disqualified.
- (2) The Tenderers shall submit the following:
 - 1) Letter of Authority with signature of the representative duly certified by the Tenderer
 - 2) General Information on Tenderers
(See the attached “Schedule” in this Part.)
 - 3) a. List of Work Experience of General Construction Works in Sri Lanka for the last five (5) years
(See the attached “Schedule 1 - A” in this Part.)

b. Name of specialized sub-contractors proposed to be employed for the project.
 - 4) Details of on going **construction** contracts of the tenderer
(See the attached “Schedule 1 – B” in this part)
 - 5) Financial information above the tenderer
(See the attached “Schedule 2 – A to F”)
 - 6) Personal resources of the tenderer
(See the attached “Schedule 3 – A & 3 – B”)
 - 7) Plant equipment of the tenderer
(See the attached “schedule 4)

8) Arbitration and / Litigation history

(See the attached “schedule 5”)

9) Construction schedule together with method statement and labor histogram.

(Refer to Schedule 8 in the above-mentioned Standard Bidding Document by ICTAD. The Work shall be completed by the date appointed in Clause 1, Chapter 1.)

10) Letter of Tender and Appendix to Tender (Contract Data)

11) Bid Bond (See (5) in this Clause below.)

12) Priced Bill of Quantities

(3) All entries in the Tender including attachments shall be written in English. All units in the Tender shall be in the metric system unless otherwise specified in the Specifications or Drawings.

(4) Incomplete, vague or conditional Tenders will not be considered.

(5) Tenderer shall submit a Bid Bond. The details are described in the conditions below:

1) Issuer shall be by the head office or a branch in Sri Lanka of a first class, internationally recognized bank or an insurance company.

2) Form shall be in a form of guarantee issued by the above-mentioned institution.

3) Amount shall be not less than two percent (2%) of the total Tender price.

4) Validity shall cover more than **60 days** after the opening date of Tender. (May be extended if so requested)

5) Timing of Release

i) To the unsuccessful Tenderers

Promptly after the official decision is made that they are unsuccessful.

ii) To the successful Tenderer

After signing the Contract and his submission of a performance security.

2. TENDER PRICES

- (1) All prices shall be quoted in Sri Lanka Rupees (Rs) without exception and the Tender price shall be stated on the basis of lump sum price.
- (2) VAT and Custom component under this contract shall be borne by the Execution Agency.
- (3) Tender prices shall be firm and final, and not subject to escalation.
- (4) The contract price is also to be made in Sri Lanka Rupees (Rs). However, all payments from the Employer shall be done by bank transfer from Japan to the bank account designated by the Contractor in Japanese Yen. The conversion from Sri Lanka Rupees to Japanese Yen shall be made according to the exchange rate published on the date of Certificate required for each payment issued by the Employer.

3. TERM OF VALIDITY OF TENDER

The Tenders shall remain valid and irrevocable for a period of sixty (60) days on and after the date of the Tender opening.

4. SUBMISSION OF TENDER

- (1) The Tenderers shall prepare one (1) original and one (1) copy of their Tender. The Tenderers shall submit the Tender in envelopes that are properly sealed and duly marked as , "ORIGINAL" or "COPY", the name of Tenderer, and the name of project. Therefore, the Tenderers shall submit two sets (ORIGINAL and COPY) of respectively
- (2) The Tenders shall be submitted to the address specified in Chapter 4 herein, not later than the closing time for submission of Tenders specified in the same.
- (3) The Tender shall be submitted in person. The Tenders through other means such as telex, telegraph, facsimile, e-mail or mail shall not be accepted.
- (4) Any Tender received after the closing time will be returned unopened.
- (5) Alternative Tender shall not be allowed.
- (6) The Tenderer is neither allowed to modify nor withdraw his Tender after the closing time.

5. INTERPRETATION OF TENDER

- (1) Should there be any discrepancy between the “ORIGINAL” and the “COPY”, the “ORIGINAL” shall prevail. If there is a difference between the figures entered in words and in numerals in the Tender, the figures entered in words shall prevail.

- (2) Should there be any discrepancy between the Tender price in the Letter of Tender and the total price of the Bill of Quantities, the Tender price in the Letter of Tender shall prevail.

CHAPTER 4 OPENING OF TENDER

1. INTRODUCTION

- (1) The Proposals of all Tenders shall be opened at the **Client's office**, immediately after the closing time, in the presence of the Tenderers as follow.

Venue: **Conference room on the 3rd floor in Hilton Colombo Residence**

Time & Date: **11:00 a.m. Sri Lanka Standard Time on the 15th day of June, 2005**

Address: **Hilton Colombo Residence,
Telephone/Facsimile; +94-11-536-0503**

At least one (1) authorized person with a Letter of Authority of the Tenderer shall attend the Tender opening.

2. TENDER OPENING PROCEDURES

- (1) All participants of the Tender opening shall register their signatures in an attendant list prepared by the Employer before the Tender opening.
- (2) The Employer shall confirm the validity of each authorized person with a Letter of Authority of the Tenderers. In case the document is incomplete or inappropriate, the Tenderers shall forfeit his right to participate in the Tender opening any further and the Tender shall be returned unopened.
- (3) Tenders will be open immediately after closing time and the tender price offered by each Tenderer shall be read aloud and recorded.
- (4) In the event that all Tenderers are not successful, the Employer will prepare another Tender with modifications and exercise a re-Tender.

CHAPTER 5 EVALUATION OF TENDER AND AWARD OF CONTRACT

1. EVALUATION OF TENDER

- (1) The Employer will ascertain, examine and evaluate the Tenders in the light of the following:
 - 1) computations are free of material errors,
 - 2) the submitted documents are substantially responsive to the Tender Documents,
 - 3) the required certificates have been provided,
 - 4) documents have been properly signed, and
 - 5) the Tenders are otherwise generally in order.
- (2) If a Tender does not substantially conform to the Specifications, or contains inadmissible reservations or otherwise is not substantially responsive to the Tender Documents, it shall be rejected.
- (3) The Employer will examine and evaluate at his discretion the Tender prices submitted by Tenderers.
- (4) If the Tender of the prioritized Tenderer is incomplete, the Employer will negotiate for the contract with the next lowest priced Tenderer and these procedures will be followed until the Employer reaches agreement with a Tenderer.
- (5) The Employer intends to select an appropriate contractor for the Work within one month after opening of the tender.

2. CLARIFICATION OR ALTERNATION OF TENDER

In the examination, evaluation and comparison of the Tenders, the Employer may, at his discretion, ask any Tenderer for a clarification of his Tender. All responses to the requests for clarification shall be in writing, and no change in the total price or the substance of the Tender shall be offered or permitted.

3. PROCESS TO BE CONFIDENTIAL

Information relating to the examination, clarification, and evaluation of Tenders, and recommendations for the award of the contract shall not be disclosed to Tenderers or any other persons who are not officially concerned with such process until the notification of award defined in Chapter 5 Clause 5.

4. CONTACT WITH THE EMPLOYER

- (1) Except for the purpose of clarification of the Tender as provided in Clause 2 of this Chapter, no Tenderers shall contact the Employer and the Employer on any matter related to the Tender, from the time of the Tender opening to the time of Contract awarding.
- (2) Any attempt by a Tenderer to influence the Employer's and the Employer's processing or awarding of Tenders may result in the disqualification of the Tenderer.

5. LETTER OF ACCEPTANCE

- (1) The Tenderer whose offer substantially conforms to the Specifications and other conditions of the Tender Documents, and who offers the lowest price shall be designated as the successful Tenderer.
- (2) After completion of evaluation of the Tenders, the Employer shall issue the Letter of Acceptance to successful Tenderer within the period of validity of Tenders stated in Chapter 3 Clause 3 hereof by facsimile or registered letter.

6. SIGNING OF CONTRACT

- (1) At the same time that the Employer notifies the successful Tenderer that his Tender has been accepted, the Employer will send the Tenderer the Contract Agreement provided in the Tender Documents, incorporating all arrangements between the parties.
- (2) The following documents shall be considered as integral parts of the Contract:
 - 1) Contract Agreement
 - 2) Tender of the successful Tenderer
 - 3) General Conditions
 - 4) Particular Conditions
 - 5) Specifications
 - 6) Drawings
 - 7) Bill of Quantities and Schedules
 - 8) Instruction to Tenderers and such other documents intended to form the Contract

The documents of the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the interpretation shall be done in accordance with the above-mentioned sequence of the priority.

7. PERFORMANCE SECURITY

The successful Tenderer, having received the Letter of Acceptance, shall furnish a performance security amounting to ten percent (10%) of the total contract price within fourteen (14) days following the date of award. The Employer shall have the custody of the performance security.

8. NOTIFICATION OF THE RESULT OF TENDER

Upon receiving the performance security from the successful Tenderer, the Employer shall promptly notify the other Tenderers in writing that their Tenders have been unsuccessful.

CHAPTER 6 COMMON CONDITIONS

1. SAFETY PROCEDURE

The Contractor shall:

- (1) comply with all applicable safety regulations in Sri Lanka,
- (2) take care for the safety of all persons entitled to be on the Project Site,
- (3) use reasonable efforts to keep the Project Site and the Work clear of unnecessary obstruction so as to avoid danger to persons entitled to be on the Project Site,
- (4) provide fencing, lighting, guarding and watching of the Work until completion and taking-over, and
- (5) provide any temporary works (including roadways, footways, guards and fences) that may, because of the execution of the Work, be necessary for the use by or protection of the public and of owners and occupants of adjacent land.

2. PROTECTION OF THE ENVIRONMENT

The Contractor shall take all reasonable steps to protect the environment (both on and off the Project Site) and to limit damage and nuisance to people and property resulting from pollution, noise or other aspects of his operations.

GENERAL INFORMATION OF TENDERER

1.0 GENERAL INFORMATION

(a) Registered Name of Firm :-.....
(Copy of Business Registration or
Certificate of Incorporation should be attached).

(b) Head Office Address :-
.....

(c) Telephone Numbers :-

(d) Fax Numbers :-

(e) E-Mail Address :-

(f) VAT Registration Number :-
(Attach copy of Department of Inland
Revenue letter assigning VAT No.)

(g) Type of Organization

Limited Liability Co.

Partnership

Sole Proprietor

Government Organization

(h) Organization Chart

(i) ICTAD Registration Expiry Date

Grade

No.

(j) NCCASL Membership Expiry Date

No.

2.0 PERSON MANAGING THE AFFAIRS OF THE CONTRACTOR'S ORGANIZATION

(a) Name of person :

(b) Designation / Title :

(c) Certified copy of appointment / authority and designation

(d) Telephone Number :-.....

(e) E-mail Address : -.....

(f) Fax No. :-.....

2. CONTRACT AGREEMENT

2. CONTRACT AGREEMENT

This Agreement made and entered in to the ____ day of (month), 2005 between Japan International Cooperation System (JICS) of Japan (hereinafter called "the Employer") of the one part, and (Name of the Contractor) (Address of the Contractor) (hereinafter called "the Contractor") of the other part,

WHEREAS, the Government of Japan extends its grant to the Government of the Democratic Socialist Republic of Sri Lanka on the basis of "the Exchange of Notes" signed on the 17th day of January, 2005 between the Governments concerning the execution of the Programme for Efforts to cope with the Damages caused by the Great Earthquake off the Coast of Sumatra, the Republic of Indonesia, and by Indian Ocean Tsunami Disaster (hereinafter referred to as "the Programme"); and

WHEREAS, the Employer, as a competent agent of the Government of the Democratic Socialist Republic of Sri Lanka to secure the smooth and successful implementation of the Programme, is desirous to execute and complete the Work for the **Rehabilitation of Tangalle Fishery Harbour** (hereinafter referred to as "the Project"), in its current portion of the Programme; and

WHEREAS, the Contractor is willing to execute and complete the Work and the remedying of any defects therein, to the Employer under the terms and conditions as set forth in this Agreement;

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 Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - (a) The Letter of Acceptance dated _____

- (b) The Letter of Tender dated _____
 - (c) The Addenda nos _____
 - (d) The Conditions of Contract
 - (e) Contract Data
 - (f) The Specification
 - (g) The Drawings
 - (h) The Priced Bill of Quantities, and
 - (i) The completed Schedules.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Work and remedy any defects therein, in conformity with the provisions of the Contract.
4. The Employer, on behalf of the Government of the Democratic Socialist Republic of Sri Lanka, hereby covenants to pay the Contractor, in consideration of the execution and completion of the Work and the remedying of defects therein. The Contract Price 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 first before written in accordance with their respective laws.

SIGNED by _____
For and on behalf of the Employer in the presence of

SIGNED by _____
For and on behalf of the Contractor in the presence of

Witness: _____
Name: _____
Address: _____
Date: _____

Witness: _____
Name: _____
Address: _____
Date: _____

3. GENERAL CONDITIONS

4. PARTICULAR CONDITIONS

CLAUSE 1 - GENERAL PROVISIONS

Sub-Clause 1.1 - Definitions

Sub-Clause 1.1.1.9 is amended by the addition of the following sentence at the end:

“Drawings include the detailed design drawings and sketches issued by the Consultant to the Contractor during the construction.”

Sub-Clause 1.1.2.2

The Employer is Japan International Cooperation System (JICS), the agent of the Democratic Socialist Republic of Sri Lanka.

Sub-Clause 1.1.2.4

**** (未確認状況)

Sub-Clause 1.4 – Laws and Language

Sub-Clause 1.4 is amended as follows:

“The Contract shall be governed by the laws of Japan and the language for all purposes for the Contract shall be English.”

Sub-Clause 1.13 - Compliance with Laws

Second line is deleted and replaced with the following sentence:

“VAT & Custom component under this contract shall be borne by the Executing Agency.”

CLAUSE 4 – THE CONTRACTOR

Sub-Clause 4.1 - Contractor’s General Obligations

Add the following new subparagraph;

- (e) The Contractor shall promptly notify the Employer and the Consultant of any error, omission, fault or any other defect in the design of or specifications for the Work which he discovers when reviewing the Contract or in executing the Work.

Sub-Clause 4.4 – Subcontractors

Add the following new subparagraph;

- (e) Where practicable, the Contractor will give a fair and reasonable opportunity for contractors from the Country to be appointed as subcontractors.

CLAUSE 14 – CONTRACT PRICE AND PAYMENT

Sub-Clause 14.1 - The Contract Price

Subparagraph (b) is deleted and replaced with the following subparagraph (b);

- (b) "VAT & Custom component under this contract shall be borne by the Executing Agency.

Sub-Clause 14.2 - Advance Payment up to 14.13 - Cessation of Employer's Liability

Those sub-clauses are deleted and replaced with the following descriptions;

The Contract Price shall be quoted in Sri Lanka Rupees (Rs) on the basis of lump sum price and shall be firm and final, and not subject to escalation.

The Contract Price will be paid in accordance with the following schedules to the Contractor.

(1) Advance Payment

The amount which corresponds to **thirty percent (30%)** of the Contract Price, shall be paid upon the concluding the Contract and acceptance of the Performance Security from the Contractor together with an on demand bank guarantee equivalent to the advance payment should be submitted from a Commercial Bank operating in Sri Lanka approved by the Central Bank.

(2) First Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Fifty percent (50%) of completion of the Work under the Contract.

(3) Second Interim Payment

The amount which corresponds to Thirty percent (30%) of the Contract Price shall be paid upon Eighty-five percent (85%) of completion of the Work under the Contract.

(4) Third interim Payment (Practical completion)

The amount which corresponds to seven and half percent (7.5 %) of the Contract Price shall be paid upon the practical completion of the Work under the Contract.

5) Final payment

After the completion of all defects identified during the practical completion and also by the Consultant and the client during the 12 months maintenance period together with final certificate issued by the consultant balance two point and half percent (2.5%) withheld for the defects liability period shall be released under the contract.

5. FORM OF PERFORMANCE SECURITY

5. FORM OF PERFORMANCE SECURITY

Brief description of Contract _____

Name and address of Beneficiary _____

_____ (together with successors and assigns, all as defined in the Contract as the Employer)

By this Bond, *(name and address of contractor)* _____ (who is the contractor under such Contract) as Principal and *(name and address of guarantor)* _____ as Guarantor are irrevocably held and firmly bound to the Beneficiary in the total amount of _____ (the "Bond Amount", say: _____) for the due performance of all such Principal's obligations and liabilities under the Contract.

This Bond shall become effective on the Commencement Date defined in the Contract.

Upon Default by the Principal to perform any Contractual Obligation, or upon the occurrence of any of the events and circumstances listed in sub-clause 15.2 of the conditions of the Contract, the Guarantor shall satisfy and discharge the damages sustained by the Beneficiary due to such Default, event or circumstances, However, the total liability of the Guarantor shall not exceed the Bond Amount.

The obligations and liabilities of the Guarantor shall not be discharged by any allowance of time or other indulgence whatsoever by the Beneficiary to the Principal, or by any variation or suspension of the works to be executed under the Contract, or by any amendments to the Contract or to the constitution of the Principal or the Beneficiary, or by any other matters, whether with or without the knowledge or consent of the Guarantor.

Any claim under this Bond must be received by the Guarantor on or before *(the date six months after the expected expiry of the Defects Notification Period for the Works)* _____ (the "Expiry Date"), when this Bond expires and is returned to the Guarantor.

The benefit of this Bond may be assigned subject to the provisions for assignment of the Contract, and subject to the receipt by the Guarantor of evidence of full compliance with such provisions.

This Bond shall be governed by the law of the same country as that which governs the Contract. This Bond incorporates and shall be subject to the Uniform Rules for Contract Bonds, published as number 524 by the International Chamber of Commerce, and words used in this Bond shall bear the meanings set out in such Rules.

Wherefore this Bond has been issued by the Principal and the Guarantor on (date)

Signature(s) for and on behalf of the Principal _____

Signature(s) for and on behalf of the Guarantor _____

6. LETTER OF TENDER AND APPENDIX TO TENDER

6. LETTER OF TENDER

NAME OF CONTRACT: THE CONSTRUCTION WORK FOR REHABILITATION OF TANGALLE FISHERY HARBOUR DAMAGED BY TSUNAMI DISA

Tender Ref. No. NPTSL04-0

TO: JAPAN INTERNATIONAL COOPERATION SYSTEM (JICS)
5th Floor
Shinjuku East Bldg.,
10-5, Tomihisa-cho,
Shinjuku-ku, Tokyo, 162-0067, JAPAN

We have examined the Conditions of Contract, Specifications, Drawings, Bill of Quantities, the other Schedules, the attached Appendix and Addenda Nos ***** for the execution of the above-named Work. We offer to execute and complete the Work and remedy any defects therein in conformity with this Tender which includes all these documents, for the sum of

(In Sri Lanka Rupees) _____

or such other sum as may be determined in accordance with the Conditions of Contract.

We agree to abide by this Tender until (Date, Month, and Year) and it shall remain binding upon us and may be accepted at any time before that date. We acknowledge that the Appendix forms part of this Letter of Tender.

If this offer is accepted, we will provide the specified Performance Security, commence the Work in accordance with the Contract, and complete the Work in accordance with the above-named documents within the Time for Completion.

Unless and until a formal Agreement is prepared and executed this Letter of Tender, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept any specific part, the lowest or any tender you may receive.

Signature _____ in the capacity of _____
duly authorised to sign tenders for and on behalf of _____
Address _____
Date _____

6.2 Appendix to Tender (Contract Data)

[Note: with the exception of the items for which the Employer's requirements have been inserted, the following information must be completed before the Tender is submitted.]

Items	Condition of Contract Clause Numbers	Descriptions
Employer's name and address	1.1.2.2 & 1.3	Japan International Cooperation System (JICS) 5 th Floor, Shinjuku East Bldg.10-5 Tomihisa-cho Shinjuku-ku, Tokyo 162-0067 JAPAN
Contractor's name and address	1.1.2.3 & 1.3	
Engineer's name and address	1.1.2.4 & 1.3	Consultant's name and address Arch International (Pvt) Ltd.,
Time for Completion of the Work	1.1.3.3	By 15 st March 2006
Defects Notification Period	1.1.3.7	1 year
Electronic transmission systems	1.3	Facsimile or e-mail
Governing Law	1.4	Japan
Ruling language	1.4	English
Language for communications	1.4	English
Right to access to the Site	2.1	One (1) day after the Commencement Date
Amount of Performance Security	4.2	Ten (10) % of the Contract Amount, in the currencies and proportions in which the Contract Price is payable.
Normal working hours	6.4	Not specified
Delay damages for the Work	8.7	Zero point five (0.5) % of the Contract Price per day, in the currencies and proportions in which the Contract Price is payable
Maximum amount of delay damages	8.7	Ten (10)% of the Contract Price
Method of Measurement	12.2(b)	Actual work done basis
Percentage for adjustment of Provisional Sums	13.4(b)	Ten percent (10%)
Percentage of retention	14.3 (c)	Five (5) percent
Currency of Payment	14.15	Sri Lanka Rupee (Rs) as named in the Letter of Tender
Periods for submission of insurance: (a) evidence of insurance (b) relevant policies	18.1	(a) Seven (7) days after issuing the Letter of Acceptance (b) Twenty-one (21) days after issuing the Letter of Acceptance
Third party insurance	18.2	0.5% or as required
Failure to Agree Dispute Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD)

Items	Condition of Contract Clause Numbers	Descriptions
Failure to Agree Dispute Adjudicator Fees payable to the Adjudicator	19.2 & 19.4	The appointing entity for the Adjudicator is the Institute for Construction Training and Development (ICTAD) Fees and reimbursable payments to be paid for Adjudicator are as follows: _____

Initials of signatory of Tender _____

7. SPECIFICATIONS AND DRAWINGS

SEE THE FILE SEPARATED.

8. BILL OF QUANTITIES AND SCHEDULES

8. BILL OF QUANTITIES AND SCHEDULES

1. This Bill of Quantities shall be read in conjunction with such contract documents as, but not limited to, the Conditions of Contract, Specifications, the Instructions to Tenderer, the Drawings and other pertinent data. The Tenderer shall be deemed to have fully acquainted himself with the detailed description of the Work to be done, the way in which he shall carry out and the requirements and standards of the Work.
2. Payment for lump sum items will be made in accordance with relevant payment clauses in the Specifications, or, if not specified, interim payments will be made as approved by the Consultant.
3. The unit rates and lump sum prices and amounts for the various items of works listed in the Bill of Quantities shall be expressed in Sri Lanka Rupees (Rs). The unit rates and lump sum prices and amounts shall include, except insofar as it is otherwise provided under the contract, all labor, construction equipment, materials, erection, maintenance, supervision, insurance, profit, duties together with all general risks, if any, liabilities and obligations set forth or implied in the contract.
4. If there is any discrepancy between the unit rate and the amount entered for any item in the Bill of Quantities, the amount shall be taken as correct.
5. Any additional labor, construction equipment or materials required to make good defective work or used in repair or maintenance shall be at the expense of the Contractor and shall not be taken into account when determining the sum to be paid for each item.
6. All progress payments made by interim certificates are deemed to be provisional payments, and the Employer has power to reduce the paid amount in preceding payment certificates whomsoever any defect is found in or on the said work or to replace the payment from one item to other item if such rearrangement is judged as necessary. The final payment certificate which is provided after the issuance of the Final Certificate is solely deemed as the correct and definitive certificate in quantities and amounts to each item of work and whole of the Work.
7. Form of Bill of Quantities is attached. **The description shown in the attached Bill of Quantities is basic and essential specification for the rehabilitation work. Also Quantity is calculated by field survey. For the Tender's convenience, we attached damaged area drawings and as-built drawings of the original facilities after the Specifications.**

Reconstruction of Buildings Affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
SUMMARY OF BILLS**

BILL NO	DESCRIPTION	TOTAL AMOUNT (Rs)
1	Preliminaries	-
2	CFHC Office Building	-
3	Canteen	-
4	Work Shop	-
5	Toilet	-
6	Winch Hut	-
7	Oil Lodge	-
8	Net Mending	-
9	Oil pump(Fuel Dispenser : 2 Units)	-
10	Reconstruction of Radio communication office	-
11	Reconstruction of Sewerage Treatment System	-
12	Reconstruction of Security Office	-
13	Electrical Wiring (Industrial)	-
14	Reinstallation of Panel Boards	-
15	Perimeter Outdoor Light System	-
16	Facilities to water supply System	-
17	Electrical fitting works (Workmanship)	-
18	New Sewer Treatment Plant (Work Shop)	-
19	Installation water treatment plant (Radio Office)	-
20	Rehabilitation of Cold rooms (Ice Plant)	-
21	Installation of Flake ice Storage	-
22	Rehabilitation of Breakwater	-
23	Rehabilitation of Groyne	-
	Sub Total	-
	Contingencies(10% of sub total)	-
	Total basic cost	-
	Target price	
Grand Total of the Summary		-

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No.1- PRELIMINARIES

Item	Description	Unit	Quantity	Ratters)	Anointers)
1.1	Cost of Performance Security	Item	Allow		
1.2	Cost of Insurance of Works and Plants	Item	Allow		
1.3	Cost of Third Party Insurance	Item	Allow		
1.4	Cost of Insurance against workmen's compensation	Item	Allow		
1.5	Allow for mobilization and demobilization site with plants, equipment and personnel	Item	Allow		
1.6	Allow for supply of water to site for construction and other purposes	Item	Allow		
1.7	Allow for supply of Electricity to site for construction and other purposes	Item	Allow		
1.8	Allow for lump sum to construct, furnish, maintain & dismantle all temporary sheds. offices and facilities required for the works by the contractor	Item	Allow		
1.9	Salaries and wages for Engineers site office.	Item	6		
1.10	Allow for furnishing and maintenance of Engineers site office	Months	6		
1.11	Allow for supplying specimens and samples materials and caring out tests etc	Item	Allow		
1.12	Allow for removal of all rubbish , debris and clearing up site on completion and hand over	Item	Allow		
1.13	Allow for price escalation	P.S			
1.14	Allow for diversion or removal of existing services as directed by the Engineer	P.S			
1.15	Temporary Office	Item	Allow		
Sub total carried to summary					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

Bill No. 02 - CFHC Office Building

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
2.1	Demolishing				
2.1.1	Demolishing the damaged roof gutters and stacked at site.	Item	Allow		
2.1.2	Removal of damaged valance board, barged board.	Item	Allow		
2.1.3	Removal of existing Doors and Windows	Item	Allow		
2.2	Roof Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
2.2.1	Removing all roof tile in canopy roof & stack site	m2	55.80		
2.2.2	Reconstruction of damaged timber roof of canopy with 45 x 45 rafters, 140 x 30 joists as per drawing.	m2	9.30		
2.2.3	Supply & fixing valance Board 300x20mm of approved quality timber (Cl.1).Rate to include two coats of enamel paints.	L.m	11.00		
2.2.4	Rain gutter of Zn/Al sheet to the given profile, rate to include fix in position using S.S gutter and brackets @ 400.00 & tie to the roof with steel strap.	L.m	10.00		
2.2.5	Installing available roof tile to the roof frame using S.S. nail.	m2	56.00		
2.2.6	Supply & install ridge tile with cement mortar.	L.m	6.04		
2.2.7	Allowance for any other repair work.	Item	Allow		
2.3	Ceiling and Facia Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
2.3.1	Supply & fixing cement sheet (mineral fibre) to the existing timber frame of canopy roof.	m2	48.00		
2.3.2	Supply & fixing ceiling sheet to timber frame of 90x40 perlinga, 40x40 repers.	m2	24.00		
2.3.3	Supply and fix timber frame for ceiling 50 x 50 mm and 50 x 100 mm similar to existing frame work.	m2	32.00		
2.3.4	Fixing cement board to ceiling.	m2	24.00		
2.3.5	Supply & fix timber beading 30x20 mm to ceiling/facia	m2	48.00		
2.3.6	Supply and fixing of valance board to canopy roof and upper roof to include two coats of Enamel paint.	L.m	12.00		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

Bill No. 02 - CFHC Office Building

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
2.4	Doors and Windows				
	Note:				
	1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
	2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
2.4.1	Supply and fixing of main door type AF1, size 1770x2100mm. double leaf Aluminium frame door with fixed glass (wire glass) thickness 4mm. Rate to include for floor hinges MIWA, DOME or equipment to the approval of the Engineer, door handle of approved quality. Door hinges for 5" x 6 nos.	Nos	1.00		
2.4.2	Supply and fixing wire glass to door type SD1, SD2	m2	3.48		
2.4.4	Supply & fixing steel door type SD-2, steel plates thickness 1.6 depth 40 mm. frame depth 220mm.hinges 5"x6 nos. door lock set, lever handle and door stop etc..	m2	8.24		
2.4.5		m2	3.78		
2.4.6	Supply & fixing door closer to door types SD-2,SD - 1, Aw1 of Domo,MIWA or equivalent type approved by the Engineer	Nos	7.00		
2.4.7	Replacing pattern glass t-4 mm to window type AW-1,Rate to include all accessories- 3/650 x 1200 , 2/830x2700	m2	5.79		
2.4.8	Supply and install new fly screen including all fittings to existing frame type AW1	m2	9.90		
2.6	Electrical Work				
2.6.1	Note: Rate to include all				
	1. accessories such as junction boxes clips,conduts,switch boards, ceiling roses,3 core wire etc.				
	2. cost of light fittings to be excluded from the rate				
	3. All switch socket outlets, distribution boards to be flushed mounted.				
2.6.1	Supply & installation of 4 ft florescent double lamp fitting c/w switches salt and water proof with reflectors.	Nos	32.0		
2.6.2.	Supply & install 2 ft florescent lamp double fitting c/w switcher salt and water proof with reflectors.	Nos	3.0		
2.6.3	Supply & installation of ceiling fans c/w switches (Regulators) of K.D.K or approved quality	Nos	1.0		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

Bill No. 02 - CFHC Office Building

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
2.7	Painting Work				
2.7.1	Prepare the existing system of internal walls to the satisfaction of Engineer, and apply one coat of prime coat and two coats of emulsion (Acrylic) paint of approved colour to surface of walls in ground floor.	m2	345		
2.7.2	Prepare the existing system of internal walls and apply one coat of prime coat and two coats of weather shekel emulsion paint (Acrylic) of approved colour to surface of upper floor.	m2	325		
2.7.3	Prepare the existing system of External walls to the satisfaction of Engineer, and apply one coat of prime coat and two coats of emulsion (Acrylic) paint of approved colour to surface of walls in ground floor.	m2	158		
2.7.4	Prepare the existing system of External walls as apply one coat of prime coat and two coats of weather shield emulsion paint (Acrylic) of approved colour to surface of upper floor.	m2	150		
2.7.5	Apply two coats of enamel paints of approved colour to plywood doors	m2	5		
2.7.7	Preparing the surface of steel door & apply one coat anti corrosive paint and two coats of emulsion paint (marine paint) 2.1x 65 - 1.37 2/x/2.1x200-8.40.Rate to include rectifying any defects.	m2	19.54		
2.7.8	Supply and apply two coats of epoxy floor paints to the upper floor and ground floor rate to include cleaning the excising surface to the satisfaction of the Engineer.	m2	504		
2.8	Miscellaneous				
2.8.1	Allow for contingencies				
2.8.2	Cleaning and Tiding up site				
Sub total carried to summary					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 03 - Canteen

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
3.1	Demolishing				
3.1.1	Removal of damaged asbestos roofing sheets / ceiling sheet including stacking or disposing as directed	Item	Allow		
3.1.2	Removal of damaged steel door frames and stacking or disposing as directed.	Item	Allow		
3.1.3	Removal of damaged wooden doors/door frames and stacking/disposing as directed	Item	Allow		
3.1.4	Removal of damaged aluminium fly screen frames/sashes	Item	Allow		
3.1.5	Removal of disturbed / damaged tiles including stacking for reuse or disposing as directed	Item	Allow		
3.1.6	Removal of damaged Zn/Al gutters & brackets including stacking or disposing as directed	Item	Allow		
3.1.7	Remove all existing electric cabling and dispose as directed	Item	Allow		
3.2	Roof Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
3.2.1	Lay tiles on roof including fixing with stainless steel nails.	m2	110.00		
3.2.2	Supply & lay ridge tiles to match existing ridge tiles including motor bedding including lime motor 1:1:4.	m	12.00		
3.2.3	Supply & fix new Zn./Al gutter including fixing of stainless steel brackets,	m	56.00		
3.2.4	Allow for any other repair work	Item	Allow		
3.3	Ceiling & Fascia Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
3.3.1	Supply & fix timber frame for ceiling 50 x 50 mm.& 50 x 100 mm. joists similar to existing frame work.	m2	10.00		
3.3.2	Supply & fix timber frame 50 x 50 mm. joist in fascia	m2	20.00		
3.3.3	Supply & fix cement board to timber frame work in ceiling / fascia	m2	120.00		
3.3.4	Supply & fix timber beading 30 x 20 mm to ceiling / fascia including staining/painting	m	110.00		
3.3.5	Allow for any other repair work	Item	Allow		

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 03 - Canteen

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
3.4	Doors & Windows				
	Note: 1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced. 2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
3.4.1	Supply & fix steel door type S2 - 5/F plate thick 1.6mm. Depth 40 mm Stainless steel hinges 125x125mm including lock set (Lower handle) and door closer (similar to existing), painting one coat of primer and two coat of marine paint etc. as per detail	No	1		
3.4.2	Supply and fix door locks of quality similar to existing locks.	No	2		
3.4.3	Supply & fix door closers of quality similar to existing door closers .	No	2		
3.4.4	Supply & fix wooden doors type WD2/W as per detail (similar quality to existing doors) 40mm depth including painting one coat primer two coat enamel paint, 2 No 125mm stainless steel hinges fixed with s/s screws, door locks, door closers, pattern glass (4mm thick)	No	1		
3.4.5	Supply & fix wooden doors type WD3/G as per detail (similar quality to existing doors) 40mm depth including painting one coat primer two coat enamel paint, 2 No 125mm stainless steel hinges fixed with s/s screws, door locks, door closers, aluminium louver etc.	No	1		
3.4.6	Supply and fix new timber door frame (similar to existing frame) including painting 1 coat primer and 2 coats enamel WD2/W		1		
3.4.7	Supply & fix new fly screens (stainless steel) fixed to aluminium frames with fly screen frames including all fittings to existing frames type AW1	No	6		
3.4.8	Supply and fix pattern glass 4mm thick for aluminium windows (AW1) including necessary beadings and water proofing etc	m2	5.00		
3.4.9	Supply and fix wired glass thickness 6.8 mm for steel door including necessary beadings and water proofing etc	m2	0.50		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 03 - Canteen

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
3.4.10	Repair work to the existing damaged Aluminium grill door in canteen including supplying and fixing new frames and fittings etc	Item	Allow		
3.4.11	Allow for any other repair work	Item	Allow		
3.5	Finishing Work				
3.5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material, removal of all flakes and pressure cleaning before painting	m2	110.00		
3.5.2	Painting new ceilings - one coat filler and two coats of acrylic emulsion paint.	m2	66.00		
3.5.3	Painting existing timber work 2 coats of enamel paint including cleaning existing paint surface and repairing damages	m2	6.00		
3.5.4	Painting floor - two coats of epoxy paint including cleaning existing surface	m2	70.00		
3.5.5	Painting existing steel doors and door frames including removal of doors mechanical cleaning of surface to remove all rust particles repairs to any defects and application of primer to exposed steel surfaces, applying two coats of marine paint and prefixing etc	m2	8.00		
3.5.6	Painting external walls 2 coats weather shield including repair work to any damages and pressure cleaning wall before painting	m2	130.00		
3.6	Electrical work				
	Note: Rate to include all 1. accessories such as junction boxes clips, conduits, switch boards, ceiling roses, 3 core wire etc. 2. cost of light fittings to be excluded from the rate 3. All switch socket outlets, distribution boards to be flushed mounted.				
3.6.1	Supplying and fixing Type A Fluorescent fittings with accessories	No	6		
3.6.2	Supplying and fixing Type C Fluorescent fittings with accessories	No	2		
3.6.3	Supplying and fixing Type D Fluorescent fittings with accessories	No	8		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 03 - Canteen

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
3.6.4	Supplying and fixing Type D' Fluorescent fittings with accessories	No	6		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 03 - Canteen

Item	Description	Unit	Quantity	Rate(Rs)	Amount(Rs)
3.6.5	Supplying and fixing Type Florescent fittings with accessories	No	1		
3.6.6	Supply and fix fans 1400 dia , 5 speed selection, thermal cut off,16 pole condenser motor with all accessories	No	4		
3.6.7	Supplying and fixing exhaust fan ventilating type, 150dia x 170CMHx300Pa, C/W metallic hood (Suss) including new cabling	No	1		
3.6.8	Supplying and fixing exhaust fan Sirocco Fan (overhang type), #2x31200CMHx300Pa, C/W Rubber isolator including new cabling	No	1		
3.6.9	Supply and fix double socket outlets 15 amp including new cabling	No	6		
3.6.10	Supply and fix single socket outlets 15 amp including new cabling	No	4		
3.6.11	Supply and fix one gang switches with accessories including connecting to the cabling system	No	4		
3.6.12	Allow for other repair work	Item	Sum		
3.7	Plumbing Work				
3.7.1	Supply & fix wash basin taps with flexible hose and necessary connections.	No	5		
3.7.2	Supply & fix sink taps with flexible hose and necessary connections.	No	3		
3.7.3	supply and fix ceramic cistern including flexible hose and connection to water supply system to existing closet	No	1		
3.7.4	Supply and fix new seat to existing closet	No	1		
3.7.5	supply and fix 100 diameter type 400 down pipe include titles and stainless steel strops	m	8		
3.7.6	Allow for other plumbing work	Item	Allow		
3.8	Miscellaneous Work				
3.8.1	Providing cover for stainless steel food racks	Item	Allow		
3.8.3	Cleaning up and disinfecting canteen building	Item	Allow		
Total					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harber
Bill of Quantities

Bill No. 04 - Workshop

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
4.1	Demolishing				
4.1.1	Removal of damaged aluminium door/window frames and stacking or disposing as directed.	Item	Allow		
4.1.2	Removal damaged Fly screen frames/sashes	Item	Allow		
4.1.3	Removal of damaged timber doors/frames and stacking or disposing as directed.	Item	Allow		
4.1.4	Removal of damaged ceiling frames / roof frames stacking or disposing as directed.	Item	Allow		
4.1.5	Removal of damaged asbestos roofing sheets / ceiling sheet including stacking or disposing as directed	Item	Allow		
4.1.6	Removal damaged valance board / barge board and disposing as directed.	Item	Allow		
4.1.7	Removal of damaged Zn/Al gutters & brackets including stacking or disposing as directed	Item	Allow		
4.1.8	Removal of damaged steel doors/frames and stacking or disposing as directed.	Item	Allow		
4.1.9	Removal of damaged PVC down pipes including stacking or disposing as directed	Item	Allow		
4.1.10	Removal of existing electric cables and disposing as directed	Item	Allow		
4.2	Roof work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
4.2.1	Supply and fix asbestos corrugated roofing sheets including J bolts and other accessories	m2	24.00		
4.2.2	Supply & fix timber valance board / barge board 300x25mm. including painting. (one coat primer & two coats enamel)	m	11.00		
4.2.3	Supply & fix new Zn./Al gutter including fixing of stainless steel brackets,	m	40.00		
4.2.4	Allow for any other repair works	Item	Sum		
4.3	Ceiling & Fascia work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
4.3.1	Supply & fix timber frame for ceiling 50 x 50 mm.& 50 x 100 mm. joist similar to existing frame work.	m	40.00		
4.3.2	Supply & fix cement board to timber frame work in ceiling / fascia	m2	60.00		
4.3.3	Supply & fix timber beading 30 x 20 mm to ceiling / fascia including staining/painting	m	80.00		
4.3.4	Allow for any other repair works	Item	Sum		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harber
Bill of Quantities

Bill No. 04 - Workshop

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
4.4	Doors & windows				
	Note: 1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced. 2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
4.4.1	Supply & fix steel door type SW1 plate thickness 1.6mm. Depth 40 mm. including lock set (Lower handle) and top sliding gear system including anchoring to concrete lintel to suit bottom sliding rail., painting one coat primer and two coat of marine paint etc. as per detail	No	1.00		
4.4.2	Supply & fix top sliding gear (Anchored to Lintel) fix new sliding rollers to existing door sashes - type SW2 door.	No	1.00		
4.4.3	Supply and fix door locks of quality similar to existing locks.	No	2.00		
4.4.4	Supply & fix door closers of quality similar to existing door closers .	No	2.00		
4.4.5	Supply & fix new fly screens (stainless steel) fixed to aluminium frames with fly screen frames including all fittings to existing frames type AW1	No	3.00		
4.4.6	Supply & fix new windows frames & sashes to type AW3 (of similar quality to existing windows) including all fittings , as per drawing	No	3.00		
4.4.7	Supply & fix new windows frames & sashes to type AW6 (of similar quality to existing windows) including all fittings , as per drawing	No	1.00		
4.4.8	Supply and fix pattern glass 4mm thick for aluminium windows (AW1) including necessary beadings and water proofing etc	m2	2.50		
4.4.9	Supply and fix pattern glass 5mm thick for aluminium windows (AW3) including necessary beadings and water proofing etc	m2	2.50		
4.4.10	Supply & fix wooden doors type WD3/G as per detail (similar quality to existing doors) 40mm depth including painting one coat primer two coat enamel paint, 2 No 125mm stainless steel hinges fixed with s/s screws, door locks, door closers, aluminium louver etc.	No	1.00		
4.4.11	Supply & fix wooden doors type WD2/G as per detail (similar quality to existing doors) 40mm depth including painting one coat primer two coat enamel paint, 2 No 125mm stainless steel hinges fixed with s/s screws, door locks, door closers, aluminium louver etc.	No	1.00		
4.4.12	Supply & fix Aluminium veneer to existing WD3/G wooden door as per detail	No	1.00		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harber
Bill of Quantities

Bill No. 04 - Workshop

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
4.4.13	Supply and fix door frames similar to existing door frames including application of one coat primer and two coats enamel paint WD3/G	No	2.00		
4.4.14	Supply and fix door frames similar to existing door frames including application of one coat primer and two coats enamel paint WD2/G	No	1.00		
4.4.15	Allow for any other repair work	Item	Sum		
4.5	Finishing work				
4.5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material, removal of all flakes and pressure cleaning before painting	m2	725.00		
4.5.2	Painting existing steel doors and frames, including removing doors mechanical cleaning to remove all rust application of one coat primer and two coats marine paint and fixing.	m2	31.00		
4.5.3	Painting existing timber work 2 coats of enamel paint.	m2	9.00		
4.5.4	Painting external walls 2 coats weather shield including repair work to any damages and pressure cleaning wall before painting	m2	400.00		
4.5.5	Supply and apply two coats of epoxy floor paints to the upper floor and ground floor rate to include cleaning the existing surface to the satisfaction of the Engineer.	m2	55		
4.6	Electrical work				
	Note: Rate to include all 1. accessories such as junction boxes clips, conduits, switch boards, ceiling roses, 3 core wire etc. 2. cost of light fittings to be excluded from the rate 3. All switch socket outlets, distribution boards to be flushed mounted.				
4.6.1	Supplying and fixing Type D Fluorescent fittings with accessories	No	22.00		
4.6.2	Supplying and fixing Type E Fluorescent fittings with accessories	No	8.00		
4.6.3	Supply and fix fans 1400 dia , 5 speed selection, thermal cut off, 16 pole condenser motor with all accessories	No	3.00		
4.6.4	Supplying and fixing exhaust fan ventilating type, 150dia x 170CMHx300Pa, C/W metallic hood (Sus)	No	3.00		
4.6.5	Supply and fix double socket outlets 15 amp	No	5.00		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbor
Bill of Quantities

Bill No. 04 - Workshop

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
4.6.6	Supply and fix single socket outlets 15 amp	No	7.00		
4.6.7	Supply and fix one gang switches with accessories	No	8.00		
4.6.8	Supply and fix two gang switches with accessories including connecting to the cabling system	No	2.00		
4.6.9	Allow for other electrical repairs	Item	Sum		
4.7	Plumbing Work				
4.7.1	Supply & fix wash basin tap with flexible hose and necessary connections.	No	3.00		
4.7.2	Supply & fix sink taps with flexible hose and necessary connections.	No	3.00		
4.7.3	supply and fix ceramic cistern including flexible hose and connection to water supply system	No	2.00		
4.7.4	Supply and fix new seat to existing closet	No	2.00		
4.7.5	Supply and fix new shower head including connection to existing water supply system	No	1.00		
4.7.6	supply and fix 100 diameter type 400 down pipe include titles and stainless steel stops	m	15.00		
4.7.7	Allow for other plumbing work	Item	Allow		
Total					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 05 - Toilets

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
5.1	Demolishing				
5.1.1	Removal of disturbed / damaged tiles including stacking for reuse or disposing as directed	Item	Sum		
5.1.2	Removal damaged valance board / barge board and disposing as directed.	Item	Sum		
5.1.3	Removal of damaged Zn/Al gutters & brackets including stacking or disposing as directed	Item	Sum		
5.1.4	Removal damaged Fly screen frames/sashes	Item	Sum		
5.1.5	Removal of damaged PVC down pipes including stacking or disposing as directed	Item	Sum		
5.1.6	Removal of existing electric cables and disposing as directed	Item	Sum		
5.2	Roof Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
5.2.1	Supply & stack new cement tiles to suite the existing tiles.	no	700.00		
5.2.2	Lay tiles on existing frame	m2	64.00		
5.2.3	Supply & fix timber valence board / barge board 300x25mm. including painting. (one coat primer & two coats enamel)	m2	26.00		
5.2.4	Supply & fix new Zn./Al gutter including fixing of stainless steel brackets.	m2	9.00		
5.2.5	Construction of Plaster cover to barge board to match existing plaster board	m2	26.00		
5.2.6	Supply & lay ridge tiles to match existing ridge tiles including motor bedding including lime motor 1:1:4.	m	9.00		
5.2.7	Allow for any other repair work	Item	Allow		
5.3	Ceiling & Facia Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
5.3.1	Supply & fix timber frame to Facia 50 x 50 mm. joist similar to existing frame work.	m2	10.00		
5.3.2	Supply & fix cement board to timber frame work in ceiling / facia	m2	10.00		
5.4	Doors & Window Work				
	Note:				
	1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
	2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
5.4.1	Supply & fix wired glass 6.1mm thick to steel doors existing frames including necessary beadings etc.	m2	0.75		
5.4.2	Supply and fix door locks of quality similar to existing locks.	No	8.00		

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 05 - Toilets

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
5.4.3	Supply & fix door closers of quality similar to existing door closers .	No	8.00		
5.4.4	Supply & fix Patten glass panes and 4mm. to existing frames including necessary beadings etc.	m2	1.60		
5.4.5	Supply & fix new frames to fly screen type AW1	No	2.00		
5.4.6	Allow for other repair works	Item	Allow		
5.5	Finishing Work				
5.5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material, removal of all flakes and pressure cleaning before painting	m2	20.00		
5.5.2	Painting new ceiling & Facia - 1 coat filler & 2 coats Acrylic Emulsion paint .	m2	10.00		
5.5.3	Painting existing steel doors and frames, including removing doors mechanical cleaning to remove all rust application of one coat primer and two coats marine paint and refixing.	m2	37.00		
5.5.4	Painting external walls 2 coats weather shield including repair work to any damages and pressure cleaning wall before painting	m2	76.00		
5.6	Electrical Work				
	Note: Rate to include all 1. accessories such as junction boxes clips,conduts,switch boards, ceiling roses,3 core wire etc. 2. cost of light fittings to be excluded from the rate 3. All switch socket outlets, distribution boards to be flushed mounted.				
5.6.1	Supplying and fixing Type D Florescent fittings with accessories	No	5.00		
5.6.2	Supplying and fixing Type D' Florescent fittings with accessories	No	1.00		
5.6.3	Supplying and fixing exhaust fan ventilating type, 150dia x 170CMHx300Pa, C/W metallic hood (Sus)	No	2.00		
5.6.4	Supply and fix one gang switches	No	3.00		
5.6.5	Allow for other repair work	Item	Sum		
5.7	Plumbing Work				
5.7.1	Supply & fix wash basin taps with flexible hose and necessary connections.	No	2.00		
5.7.2	Supply & fix sink taps with flexible hose and necessary connections.	No	3.00		
5.7.3	supply and fix ceramic cistern include flexible nose and connection with water supply system	No	3.00		
5.7.4	Supply and fix bidet showers	No	3.00		
5.7.5	Supply & fix shower heads	No	3.00		
5.7.6	supply and fix 100 diameter type 400 down pipe include titles and stainless steel stops	m	9.00		
5.7.7	Allow for other plumbing work	Item	Allow		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 05 - Toilets

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
5.8	Other Work				
5.8.1	Supply and fix Mirrors 450 * 600 mm	No	2.00		
5.8.2	Cleaning up and disinfecting canteen building	Item	Allow		
Total					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

Bill No. 06 - Winch Hut

Item	Description	Unit	Quantity	Rate(Rs)	Amount (Rs)
6.1	Demolishing				
6.1.1	Removal damaged Fly screen frames/sashes	Item	Allow		
6.1.2	Removal of damaged aluminium door/window frames and stacking or disposing as directed.	Item	Allow		
6.1.3	Removal of steel door frames and stacking or disposing as directed.	Item	Allow		
6.1.4	Removal of existing electric cables and disposing as directed	Item	Allow		
6.2	Roof Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
6.2.1	Supply all materials and construct of roof frame as indicate in the Drawing	m2	45.00		
6.2.2	Supply and fix corrugated asbestos sheet including J bolts, washers etc. to existing frame.	m2	45.00		
6.2.3	Supply and fix asbestos ridge covering including all accessories	m	7.00		
6.2.4	Supply & fix timber valence board / barge board 300x25mm. including painting. (one coat primer & two coats enamel)	m	17.00		
6.2.5	Supply and fix Zn/Al edge covering.	m	40.00		
6.2.6	Supply & fix new Zn/Al gutter including fixing of	m	12.00		
6.3	Ceiling and Facia work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
6.3.1	Supply & fix timber frame 50 x 50 mm. joist in fascia	m2	6.50		
6.3.2	Supply & fix cement board to timber frame work in ceiling / fascia	m2	6.50		
6.4	Doors & Windows				
	Note:				
	1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
	2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
6.4.1	Supply & fix steel door type SW/W1 with top sliding gear plate thickness 1.6mm. Depth 40 mm. Stainless steel hinges 125x125mm including lock set (Lower handle) and , painting one coat primer and two coat of Marine Paint (canteen)	No	1.00		
6.4.2	Supply and fix new window sash complete with all fittings to the existing window frame	No	1.00		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour

Bill of Quantities

Bill No. 06 - Winch Hut

Item	Description	Unit	Quantity	Rate(Rs)	Amount (Rs)
6.4.3	Supply & fix new fly screens (stainless steel) fixed to aluminium frames with fly screen frames including all fittings to existing frames type AW1	No	4.00		
6.4.4	Supply and fix pattern glass 4mm thick for aluminium windows (AW1) including necessary beadings and water proofing etc	m2	0.80		
6.5	Finishing Work				
6.5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material, removal of all flakes and pressure cleaning before painting	m2	40.00		
6.5.2	Painting external walls 2 coats weather shield including repair work to any damages and pressure cleaning wall before painting	m2	55.00		
6.5.3	Repair damaged plaster in roof beams including application of bonding agents	Item	Sum		
6.6	Electrical Work				
	Note: Rate to include all 1. accessories such as junction boxes clips, conduits, switch boards, ceiling roses, 3 core wire etc. 2. cost of light fittings to be excluded from the rate 3. All switch socket outlets, distribution boards to be flushed mounted.				
6.6.1	Supplying and fixing Type D Florescent fittings with accessories	No	1.00		
6.6.2	supply and fix 15Amp double socket outlet including new wiring and removing existing cables	No	1.00		
6.6.3	supply and fix one gang switchers.	No	1.00		
6.6.4	Allow for other electrical repairs	Item	Sum		
6.7	Plumbing Work				
6.7.1	supply and fix 100 diameter type 400 down pipe include titles and stainless steel stops	m	17.00		
6.8	Miscellaneous				
6.8.1	Repair crack in roof beam- provide temporary support, open up the crack weld new steel bars to bottom reinforcement & fill up with non shrinkable mortar	Item	Sum		
Total					-

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 07 - Oil-Lodge

Item	Description	Unit	Qty	Rate(Rs)	Amount(Rs)
7.1	Demolishing				
7.1.1	Collecting debris and dispersed as directed	Item	Allow		
7.1.2	Removal of fly screen frame Aw1,damaged Aluminium windows AW1	Item	Allow		
7.2	Roofing Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
7.2.1	Wooden roof frame including wooden rafter @500mm reaper @750m Rate include for treating timber & fixing nails	m2	42.40		
7.2.2	Supply & install corrugated asbestos sheet using S.S.nails	m2	42.40		
7.2.3	Eave facia board of 300X25mm thick of cl.1 timber.	L.m	16.00		
7.2.4	Supply and fixing Zn/Al rain gutter rate to include s/s brackets, hangers@ 400mm c/c and nails.	L.m	11.60		
7.2.5	Supply and fixing of rain gutter down spout100mm Ø including necessary brackets.	m2	20.00		
7.2.6	External gable wall in cement board fixed to wooden frame of 40 x 40 mm joist	m2	5.00		
7.4	Doors & Windows				
	Note:				
	1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
	2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
7.4.1	Supply & fixing of main door type AF3 size 2450x2985 mm. with sliding door, rate to include for guiding rail, door locks, door hinges 5"x6 No and fixed glass thickness 6.8mm,width 150mm	m2	10.38		
7.4.2	Supply and fixing of only glass to window type AW1 Aluminium sliding as per drawing. Rate to include only to replace the Patten glass of thickness 4mm.	m2	3.90		
7.4.3	Supply and fixing of only glass to window type AW4 3480x1200mm with necessary fittings	m2	4.18		
7.4.4	Supply of new fly screen including all fittings to existing frame type AW1	m2	8.00		
7.5	Finishing work				
7.5.1	Treating all wall with wall filler or any other suitable material before applying the paints.	m2	72.50		
7.5.2	Internal painting to the walls after preparing the surface, with one coat of primer and two coats of acrylic emulsion paint.	m2	36.50		
7.5.3	External painting to the walls after preparing the surface, with one coat of primer and two coats of acrylic emulsion paint.	m2	36.00		
7.5.4	Applying two coats of epoxy paint to floor	m2	12.00		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 08 - Net Mending

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
8.1	Demolishing				
8.1.1	Removal of damaged Zn/Al gutters & brackets including stacking or disposing as directed	Item	Allow		
8.1.2	Removal of damaged PVC down pipes including stacking or disposing as directed	Item	Allow		
	Removal of existing electric cables and disposing as directed	Item	Allow		
8.2	Roof Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
8.2.1	Supply & fix new Zn./Al gutter including fixing of stainless steel brackets,	m	6.00		
8.3	Ceiling & Fascia work				
8.4	Doors & windows				
8.5	Finishing Work				
8.5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material, removal of all flakes and pressure cleaning before painting	m2	100.00		
8.5.2	Painting external walls 2 coats weather shield including repair work to any damages and pressure cleaning wall before painting	m2	210.00		
8.6	Electrical Work				
	Note: Rate to include all				
	1. accessories such as junction boxes clips,conduts,switch boards, ceiling roses,3 core wire etc.				
	2. cost of light fittings to be excluded from the rate				
	3. All switch socket outlets, distribution boards to be flushed mounted.				
8.6.1	Supplying and fixing Type D Fluorescent fittings with accessories	No	15.00		
8.6.2	Supplying and fixing Type D' Fluorescent fittings with accessories	No	12.00		
8.6.3	Supply and fix one gang switches with accessories including connecting to the cabling system	No	6.00		
8.6.4	Supply and fix double socket outlets 15 amp	No	9.00		
8.6.5	Allow for other electrical repairs	Item	Sum		
8.7	Plumbing Work				
8.7.1	Supply & fix sink taps with flexible hose and necessary connections.	No	4.00		
8.7.2	supply and fix 100 diameter type 400 down pipe include titles and stainless steel stops	m	11.00		
Total					-

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 10- Construction of Radio Communication Office

Item	Description	Unit	Quantity	Rate	Amount
10.1	Excavation & Earth Work				
	Note All material used for filling, if required shall be gravel free of any arsenic matters obtained from an approvable source by the Engineer. Finish levels shall confirm to the levels specified in the drawing.				
10.1.1	Excavation for foundation in any material except rock regard blasting disposed the excavated rock regard blasting disposed the excavated rock regard blasting disposed the excavated by the Engineer	m3	9.45		
10.1.2	Dry earth filling in foundation with selected material in layer not excluding 150mm and completed up to required level Reinforcement anew framework measures separately	m3	9.60		
10.2	Concrete Work				
10.2.1	50mm thick grade15 (25mm) screed concrete under wall foundation	m2	15.2		
10.2.2	Gr.30(20mm) concrete in Tie beam.	m3	1.62		
10.2.2	Gr.30(20mm) connects in internal size 225"150mm. Rate shall include for r/f and frame work	L.m	15.00		
10.2.3	Gr.30(20mm) concrete in sunshade	m3	0.8		
10.3	Form work				
	Rate shall include all costs for approved timber inclusive of all joists pipes, bracing lateral Supports etc.				
10.3.1	Form work for Tie team 225 x 300	m2	19.8		
10.4	Reinforcement Work				
	Rate shall include all costs of material as Aluminium for waste lamp etc and cent in cutting, bending, Fabricating, placing in position, holding & supporting including labour and small tools.				
10.4.1	12 mmØ for steel bars in beams	Kg	46.89		
10.4.2	16 mmØ for steel bars in beams	Kg	41.69		
10.4.3	6mmØ M.S. for steel bars in beams	Kg	39.09		
10.5	Masonry works				
10.5.1	Rubble Work 150-2 25mm thick random rubble masonry in walls foundation in cement and sand 1:5 mix.	m3	7.59		
10.5.2	Brick Layers Rate shall include for all costs for material workmanship raking the joints for plastering & protecting finish				
10.5.3	200 mm thick block work in 1:5 cement sand mix in super structure in ground floor.	m2	43.80		

Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities

Bill No. 10- Construction of Radio Communication Office

Item	Description	Unit	Quantity	Rate	Amount
10.5.4	100 mm thick block work in 1:5 cement sand mix in super structure.	m2	21.00		
10.6	Doors & windows				
	Aluminium glazed units including approved colour anodized (minimum thick of 25 microbes) Aluminium frame & fitting such as hinges locks etc. 5mm thick doors glass & weather stripping & all necessary fittings and as approved by the Engineer. Shop drawings should be approved by the Engineer.	Nos.	1		
10.6.1	Supply & fixing of main door type D1 size 2100 x1300mm single leaf Aluminium frame Door with Aluminium framed fixed glass panel on top. Rate to include for door closer and other accessories..	No	1		
10.6.2	Supply & fixing of window type W1 size 2000 x 1300mm fully glazed two leaf Aluminium window as per drawing	Nos.	3.00		
10.6.3	Supply & fixing of door type D2 size 2000 x 900 Plywood door ,side hung include for all filling	Nos.	3.00		
10.7	Plastering & Rendering Work				
10.7.1	20mm thick 1:2 cement & sand in D.P.C finished with two coats of hot D.P.C tar & blinded with fine sand	m2	10.12		
10.7.2	20 mm thick 1:2 cement & sand mortar to plinth plastering finish smooth with cement float up to depth of 100 mm below ground.	m2	12.00		
10.7.3	16 mm thick 1:5 cement & sand mortar plaster in all internal surface of walls.	m2	65.5		
10.7.4	16 mm thick 1:5 cement & sand mortar plaster in all external surface of walls & finish semi rough.	m2	80.95		
10.7.5	78 mm thick cement rendering G.R. 25 concrete with BRC mesh laid one polythen sheet of gauge 10, finish with trowel finish follows by two coats of handers	m2	27.0		
10.7.6	Supply and install 300x300 mm floor tiles to toilets and bath.	m2	5		
10.7.7	Supply and install 300x300 mm wall tiles to toilets and bath.	m2	16.22		
10.8	Painting Work				
10.8.1	Prepare & apply filler one primer coat and two coats of emulsion paint of approved colour to all internal surface of walls.	m2	65.5		
10.8.2	Prepare & apply filler one coat of primer two coats of emulsion paint of approved colour to external walls.	m2	80.95		

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 10- Construction of Radio Communication Office

Item	Description	Unit	Quantity	Rate	Amount
10.9	Roof Work				
10.9.1	Wooden frame including wooden rafters @ 500, reaper@ 300mm .Rare to include s/s mails. treating timber & fixing nuts to tile Supply & installing cement tile roof covering.	m2	60.00		
10.9.2	300x25 valance board of class I treated timber	L.m.	8		
10.9.3	Eave roof gutter is Zn/Al sheet to the given profile. Rate to include for brackets.	m	16.0		
10.9.4	Supply & install 110mmØ Upvc type 400 spout with necessary brackets.	m	16.00		
10.10	Ceiling & Facia Work				
10.10.1	Supply & fix Aluminium frame for ceiling with necessary hangers	m2	12.00		
10.10.2	Supply and install cement fibber ceiling boards	m2	12.00		
10.11	Electrical work				
10.11.1	Supplying and fixing Type A Fluoreswnt fittings with accessories including cabling,	Nos	4		
10.11.2	Supplying and fixing fan 1400 dia. 5 speed selection, thermal cut off 16 pole condenser mortor.includind cabling.abling,	Nos	3		
10.11.3	Supplying and fix socket outlet 15Amp including cabling.	Nos	3		
10.11.4	Supply and fix one gang switches	Nos	4		
10.11.5	Supply and install SDB	Item	Allow		
10.12	Plumping				
10.12.1	Supply and fix wash basin with taps, flexible hose and other connections.	Nos	1		
10.12.2	Supply and fix ceramic W.C.complete including all accessories.	Nos	1		
10.12.3	Supply and fix shower with all connection of approved quality	Nos	1		
10.13	2.13 Miscellaneous				
10.13.1	Tiding up site after completion	Item	Allow		
Total					-

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 14 - Security Office

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
14.1	Demolishing				
14.1.1	Demolishing the damaged roof gutters and stacked at site.	Item	Allow		
14.1.2	Removal of damaged valance board, barged board.	Item	Allow		
14.1.3	Removal of existing electric cables and disposing as directed	Item	Allow		
14.2	Roofing Work				
	All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
14.2.1	Wooden roof frame including rafters & reaper for cement fibber concrete roofing sheets.	m2	36.01		
14.2.2	Supply & fixing cement fibber concrete roofing sheets.	m	36.01		
14.3	Doors & Windows				
	Note:				
	1. All timber shall be pressure treated with Copper Chromium Arsenic - a certificate shall be produced.				
	2. Aluminium frame & fitting such as hinges bolts etc.4mm. thick pattern glass & weather stripping & all necessary fillings as specified and as approved by the Engineer.				
14.3.1	Supply & fix door type D1 2100x1000 plywood door side hang with locking device	No	1		
14.3.2	Door type D2 750 x 2100 plywood door with closing device	No	1		
14.3.3	Door type D3 600x2100 plywood door with locking device	No	1		
14.3.4	Window type W1 supply & fix Al glass window with Aluminium frame to fix with all necessary fitting	No	3		
14.4	Ceiling & facia				
14.4.1	Supply & fixing mineral fibber ceiling sheet 4"x 4" fixed in Al frame fibre as directed	m2	22.5		
14.5	Finishing Work				
14.5.1	External plastering with filler & one coat of primer 2 coats of Emulsion paint	m2	48		
14.5.2	Internal plastering with filler & one coat of primer 2 coats of Emulsion paint	m2	67.2		

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 14 - Security Office

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
14.6	Electrical Work				
	Note: Rate to include all				
	1. accessories such as junction boxes clips,conduts,switch boards, ceiling roses,3 core wire etc.				
	2. cost of light fittings to be excluded from the rate				
	3. All switch socket outlets, distribution boards to be flushed mounted.				
14.6.1	Supply & installation of 4 ft fluorescent double lamp fitting c/w switches salt and water proof with reflectors.	Nos	4.0		
14.6.2	Supply & install 2 ft fluorescent lamp double fitting c/w switcher salt and water proof with reflectors.	Nos	1.0		
14.6.3	Supply & installation of ceiling fans c/w switches (Regulators)	Nos	3.0		
14.6.4	15 Amp socket outlets	No	2		
14.7	Plumbing work				
14.7.1	Supply floor parts to the existing floor gutter pipes Zn/Al gutter down pipe Rectification to	No	1		
14.7.2	Supply & fix wash basing with flexible box & accessory contraction	No	1		
14.7.3	Supply & fix crème cistern including flexible hore and Emotion with wall support Rate to include bidet shower	No	1		
14.7.4	Supply & fix shower hand with necessary fittings including stop tap	No	1		
14.7.5	Supply & fixing 400 x 100 mirror	No	1		
14.8	Miscellaneous				
14.8.1	Cleaning and Tiding up site	Item	Allow		
Total					-

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 16,20,21- Mechanical and related work

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
16	Rehabilitation of existing water supply sytem Checking, exchange of temporay repaired facilities and repairing work	lot	1.00		
20	Rehabilitation of existing two cold rooms Rehabilitation of two cold rooms using CFC.	set	2.00		
21	Materila supply of Ice storage in CFHC office Material supply for rehabilitation work for Ice storage in CFHC office.	lot	1.00		
Total					

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 13,14,15,17- Electricity work

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
13	Rehabilitation of existing wiring system Exchange of all damaged existing wiring calbe shall be changed new	lot	1.00		
14	Rehabilitation of existing electric panel board Exchange of damaged electrical panel board device or instruments for brand-new one.	lot	1.00		
15	Rehabilitation and installation of outdoor light Out door light: heigh from ground level is 6m, materil: Aluminum, Light:HF250w, Water and salt proof type	sets	20.00		
17	Item 13.14.15. Electrical workmashiop cost	lot	1.00		
Total					

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harbour
Bill of Quantities**

Bill No. 11,18,19 - Water treatment system

Item	Description	Unit	Quantity	Rate (Rs)	Amount (Rs)
11	Rehabilitation of big toilet treatment system Prechecking, cleaing, replace of plumbing, supply of sensor, replacing of submersible pumps, submersible aerators, new panel board, wall right around plant, gate for the plant,	lot	1.00		
18	Reconstruction of Workshop toilet Demolishment of exisiting sytem Flow rate:5 cum/day(15 people using per day) BOD:30mg/litter, COD:250mg/litter,pH*6.5 to 8	lot	1.00		
19	Construction of Radiocommunication office toilet Flow rate:5 cum/day(15 people using per day) BOD:30mg/litter, COD:250mg/litter,pH*6.5 to 8	lot	1.00		
Total					

**Reconstruction of Building affected by Tsunami at Tangalle Fishery Harber
Bill of Quantities**

Item	Description	Unit	Quantity	Rate	Amount
1	Demolishing				
1.1	Removal of disturbed / damaged tiles including stacking for reuse or disposing as directed				
1.2	Removal of damaged asbestos roofing sheets / ceiling sheet including stacking or disposing as directed				
1.3	Removal of Zn/Al gutters & brackets including stacking or disposing as directed				
1.4	Removal damage valance board / barge board and disposing as directed.				
1.5	Removal of damaged ceiling frames / roof frames stacking or disposing as directed.				
1.6	Removal of damaged PVC down pipes and stacking or disposing as directed.				
1.7	Removal of steel doors and stacking or disposing as directed.				
1.8	Removal of steel door frames and stacking or disposing as directed.				
1.9	Removal of damaged aluminium door/ window sashes and stacking or disposing as directed.				
1.10	Removal of damaged aluminium door/window frames and stacking or disposing as directed.				
1.11	Removal of damaged aluminium fly screen mesh frames and stacking or disposing as directed.				
1.12	Removal of timber doors and stacking or disposing as directed.				
1.13	Removal of timber door frames and stacking or disposing as directed.				
2	Roof Work				
2.1	Supply & fix 40x30mm timber reepers on existing roofing board.				
2.2	Supply & stall new cement tiles to suite the existing tiles.				
2.3	Laynew and old tiles on roof ncluding fixing with stanless steel nails.				
2.4	Supply & lay ridge tiles to match existing ridge tiles including motor bedding including lime motar 1:1:4.				
2.5	Supply & fix timber valence board 300x25mm. including painting. (one coat primer & two coats enamel)				
2.6	Supply & fix new Zn./Al gutter including fixing of stainless steel brackets,				
2.7	Construction of Plaster board on barge board to main existing plaster board				
2.8	Supply and fix corrugated Asbestos sheet including all fixing ware.				
2.9	Construction of new tiber roof frame as per Drawing.				
2.10	Supply and fix Asbestos ridge covering.				
2.11	Supply and fix asbestos edge covering.				
3	Ceiling & Facia Work				
3.1	Supply & fix timber frame to celing 50 x 50 mm.& 50 x 100 mm. joist similar to existing frame work.				
3.2	Supply & fix cement board to timber frame work in ceiling / facia				

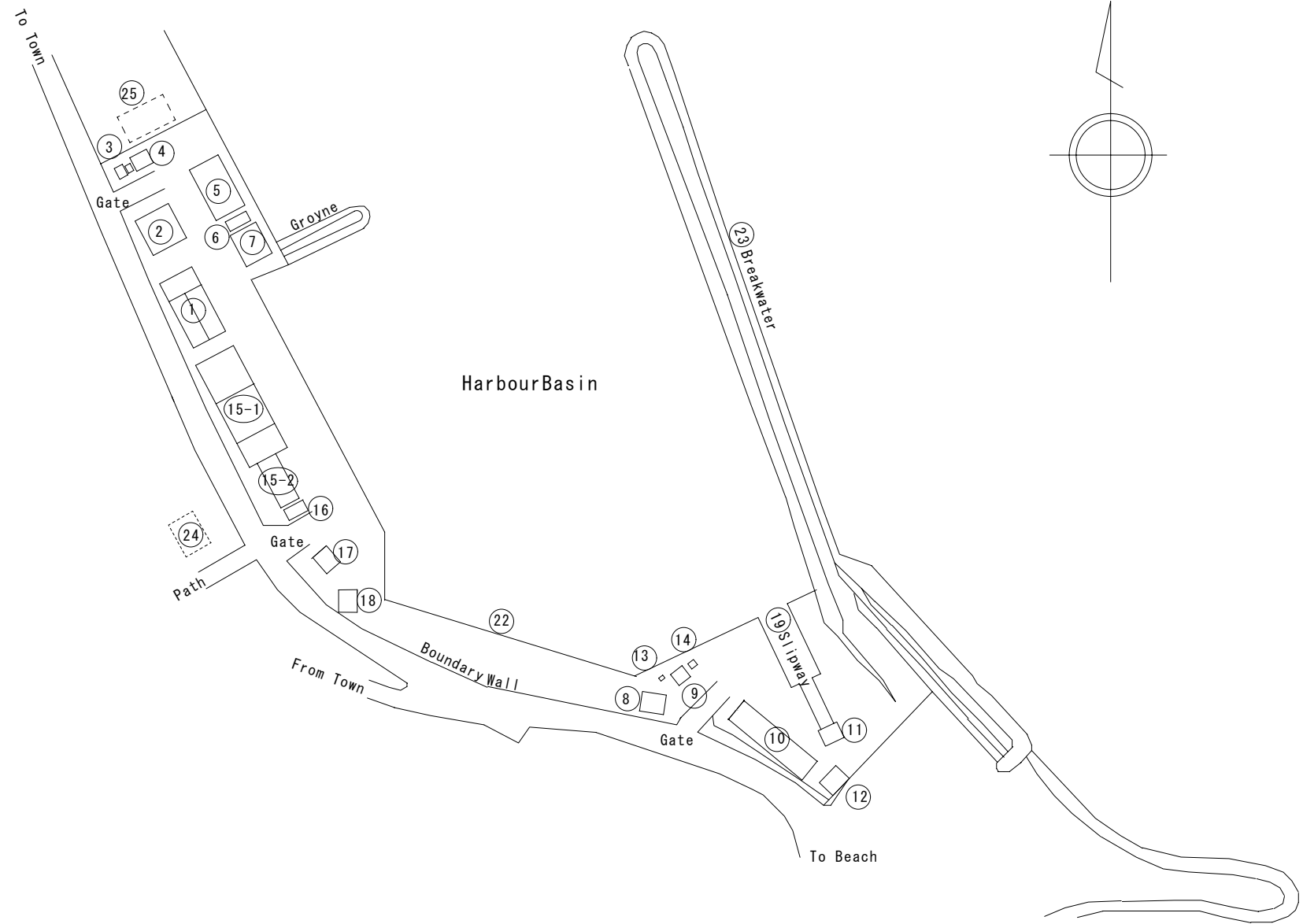
3.3	Supply & fix timber frame 50 x 50 mm. joist in facia				
3.4	Supply & fix timber beading 30 x 20 mm to ceiling / facia				
4	Doors & Window Work				
4.1	Supply & fix steel door type 52 - 5/F plate thick 1.6mm. Depth 40 mm. stainless steel hinges 125x125mm including lock set (Lower handle) and door closer (similar to existing), painting one coat primer and two coat of Marine Paint (canteen)				
4.2	do-type sw1 and top sliding gear system including anchoring to concrete lintol to suit bottom sliding rail.				
4.3	Supply & fix top sliding gear (Anchored to Lintol) fix new sliding rollers existing door sashes i - type sw2 door.				
4.4	Supply and fix door locks of quality similar to existing locks.				
4.5	Supply & fix door closers of quality similar to existing door closers .				
4.6	Supply & fix wired glass to doors thick 6.8mm including water proofing with sealant.				
4.7	Supply & fix wooden doors type WD2/W as per detail (similar quality to existing doors) 40mm depth including painting one coat primer two coat enamel paint, 2 No 125mm stainless steel hinges fixed with s/s screws, door locks, door closers, patten glass 4mm thick.				
4.8	-- do - Type WD3/G				
4.9	Supply and fix door frames similar to existing door frames including application of one coat primer and two coats enamel paint				
4.10	do - WD3 - G with Aluminium veneer at bottom				
4.11	do - WD2 - G with Aluminium veneer at bottom				
4.12	Supply & fix Aluminium veneer to exits WD3/G wooden door as per detail				
4.13	Supply & fix new frames for fly screen type AW1				
4.14	Supply & fix new fly screen including all fittings to existing frames type AW1				
4.15	Supply & fix new windows frames & sashes to type AW3				
4.16	do - Type AW6				
4.17	Supply & fix clear glass panes and 4m. to existing frames including necessary beadings etc.				
4.18	Do wired glass to 6 mm. - do				
4.19	supply and fix new Al window sash complete to existing frame as per Drawing. Type AW1				
4.20	Supply & fix new fly screen sash including all frames to existing frames type AW1				
5	Finishing Work				
5.1	Painting internal walls 2 coats of Acrylic Emulsion paint including repairing existing defects wall filler or any other suitable material.				
5.2	Painting existing ceiling & Facia - 2 coats of Acrylic Emulsion paint including repairing existing defuaces with filler or any other suitable material.				
5.3	Painting new ceilings - one coat fillar and two coats of acrylic emulsion paint.				
5.4	Painting existing timber work 2 coats of enamel paint.				
5.6	Painting new timber work - one coat primer & 2 coats of enamel paint.				

5.7	Painting existing steel doors and frames, including removing doors mechanical cleaning to remove all rust application of one coat primer and two coats marine paint and refixing.				
6	Electrical Work				
6.1	Supply & fix (40w) double fluorescent light fitting including removal of existing cable and fixing new cable Type A - Salt proof				
6.2	do Type B - Water & Salt proof				
6.3	do Type C -Salt proof				
6.4	do Type D - Salt proof with reflector				
6.5	do Type D' -Salt proof with reflector & hanging role				
6.6	do Type D1 - water & Salt proof with reflector				
6.7	do Type D1'-Water & Salt proof with reflector & hanging role				
6.8	do Type E - Salt proof (revised type)				
6.9	do Type I - Salt proof with single reflector				
6.10	Supply & fix (20w) single fluorescent light filling Type F - Water & salt proof				
6.11	do Type H - Salt proof with reflector				
6.12	do TypeH' -Salt proof with reflector & hanging role				
6.13	supply and fix double sockets outlet 15 Amp including removal of existing cable and fixing new cables.				
6.14	do - single socket outlet -do				
6.15	Supply and fix Ceiling fans with wiring including removing of existing cables and fixing new cables.				
7	Plumbing Work				
7.1	Supply & fix wash basin tap with flexible hose and necessary onnections.				
7.2	do- tap for toilet.-do				
7.3	do- Kitchen.-do				
7.4	supply and fix system include flexible nose and connection with water supply system				
7.5	supply and fix 100 diameter tipe 400 down pipe include titles and stanless steel strops				
7.6	Supply and fix bidet showers				

DRAFT

**TENDER DOCUMENTS
OF
CONSTRUCTION WORK
FOR
REHABILITATION
OF
TANGALLE FISHERY HARBOUR
DAMAGED BY
TSUNAMI DISASTER**

7. SPECIFICATIONS AND DRAWINGS



- ▲ ① CFHC Office Building
 - ▲ ② Canteen
 - ③ Tank
 - ④ Reservoir tank
 - ▲ ⑤ Net Mending Building
 - ▲ ⑥ Toilet
 - ▲ ⑦ Septic tank
 - ⑧ Oil Tank
 - ▲ ⑨ Oil Lodge
 - ▲ ⑩ Workshop
 - ▲ ⑪ Winch Hut
 - ▲ ⑫ Septic Tank
 - ▲ ⑬ Oil Pump (Ordinary)
 - ▲ ⑭ Oil Pump (Quickly)
 - ▲ ⑮-① Iceplant
 - ⑮-② Office
 - ▲ ⑯ Security Office
 - ⑰ Canteen
 - ▲ ⑱ Radio Communication Office
 - ⑲ Slipway
 - ▲ ⑳ Outdoor Light
 - ㉑ Mobil-crane
 - ㉒ Pavement
 - ▲ ㉓ Breakwater & Groyne
 - ㉔ Workers' Office
 - ㉕ Fisherman Rest Room
- ▲ : Improvement Facilities

Tangalla Fishery Harbour Site S=1/2000

EMPLOYER:

TENDER REF. NO.

EXECUTING AGENT:

Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Cooperation (CFHC)

PROJECT TITLE:

Rehabilitation of Tangalla Fishery
Harbour Facilities

DRAWING TITLE:

Site Plan

DATE:

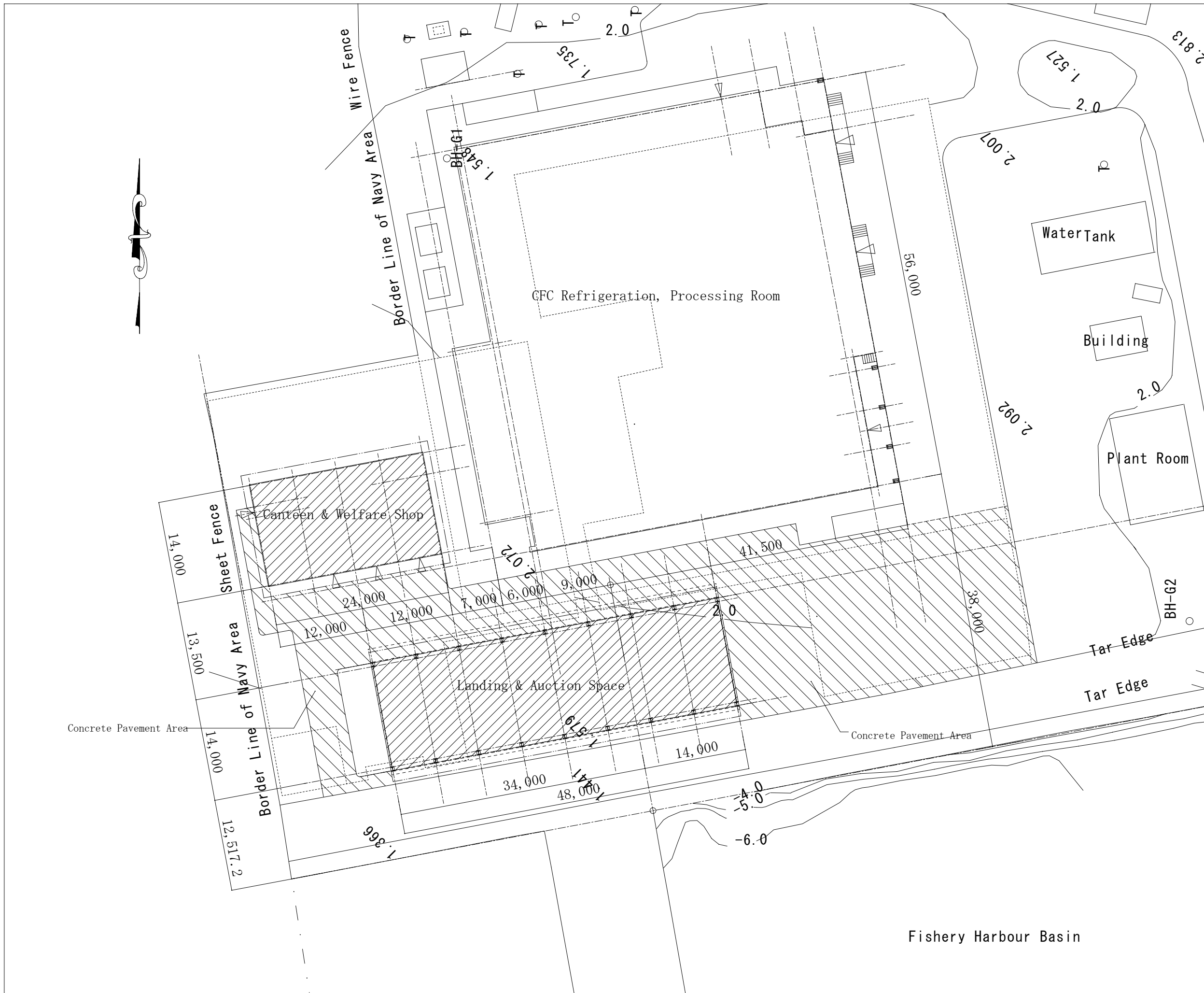
SCALE:

BY:

BY:

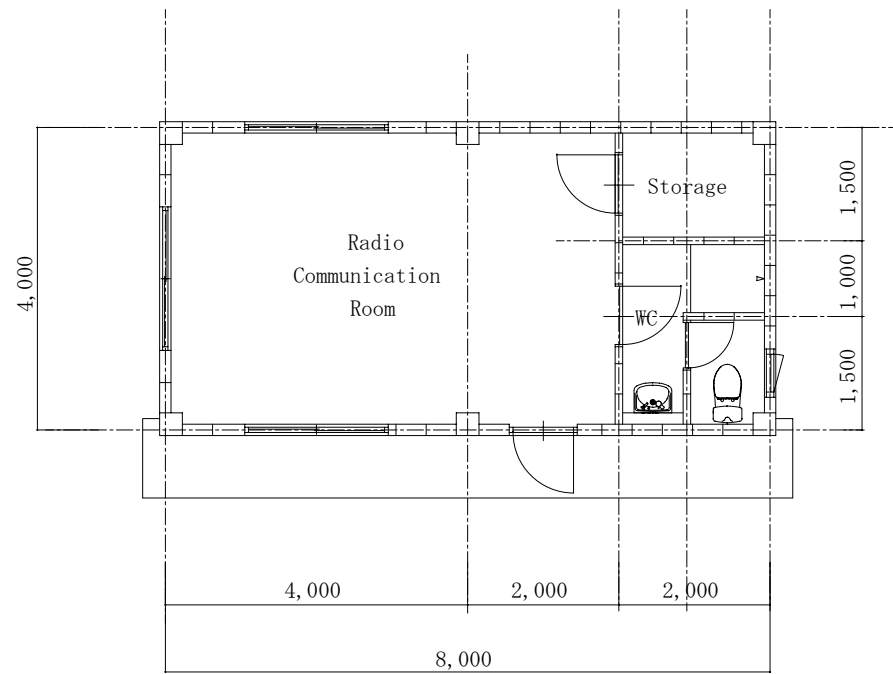
APPROVED BY:

A-000

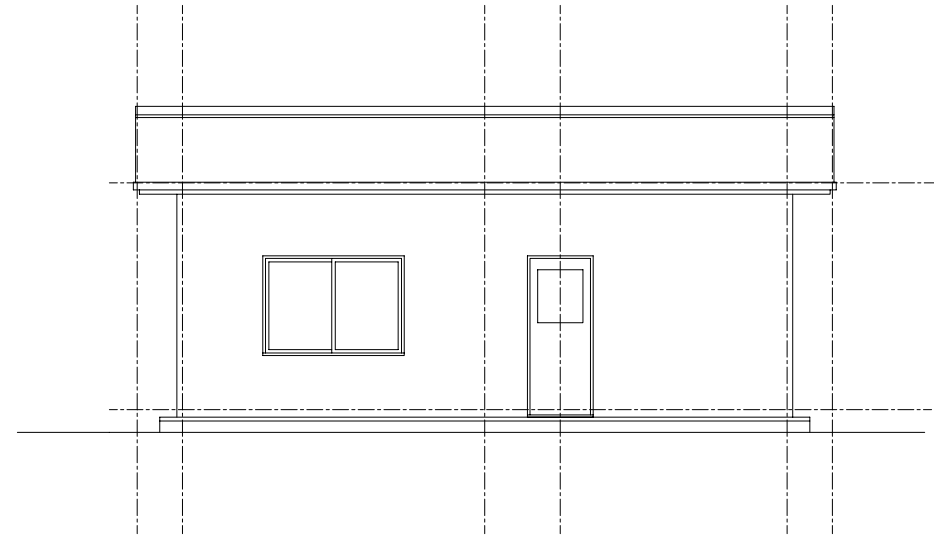


EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Construction of the Open Area for of Galle fishery Harbour	
DRAWING TITLE:	
Canteen & Welfare Shop Site Plan	
DATE :	SCALE: 1/500
BY:	NO. C-001
BY:	
APPROVED BY:	

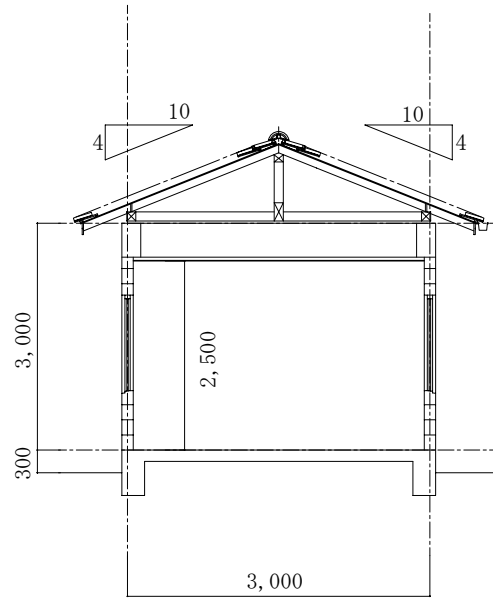
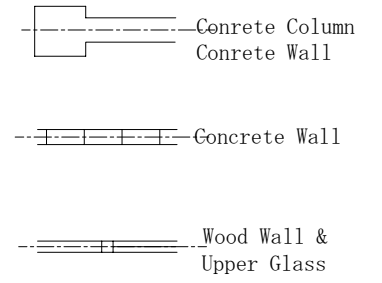
Fishery Harbour Basin



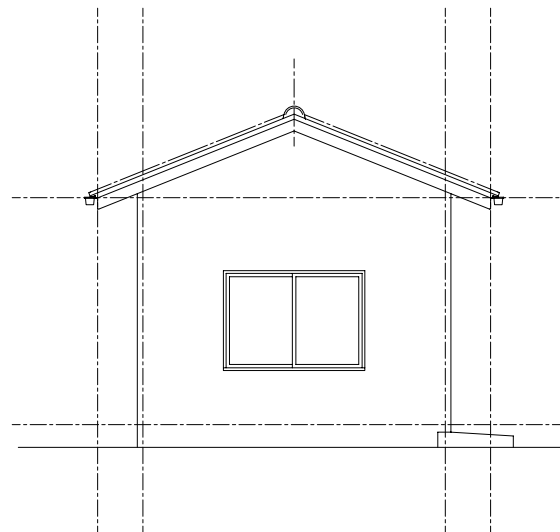
Plan S=1/100



East Elevation S=1/100



Section S=1/100



South Elevation S=1/100

Structure

Column·Beam:concrete Wall:concrete block

Exterior Finish Schedule

Roof : truss wood frame, plywood 12t,asfalt felt, clay tile roofing
 External wall :Concrete block, mortar, AEP
 Column, Beam :Concrete,AEP
 Windows, door:wood frame, aluminium window
 Painting :anti-chloridisation for steel parts
 Exterior floor :concrete trowel finishing coated by hardener

Interior Finish Schedule

Radio communication room
 Floor :concrete trowel finishing coated by hardner
 Wall: column/beam:AEP, block:mortar AEP
 Ceiling : wood frame: OP,plywood:OS

Toilet

Floor :100 rectanguler porcelain tile
 Wall :100 rectanguler porcelain tile
 Ceiling : wood frame: OS,cement board EP

Storage

Floor :concrete trowel finishing
 Wall: column/beam:AEP, block:mortar AEP
 Ceiling : wood frame: OS,cement board EP

Water Treatment System

apply for local standerds. (B.O.D30ppm)

EMPLOYER:

TENDER REF.NO.

EXECUTING AGENCY:

Ministry of Fisheries & Aquatic Resources
 Ceylon Fishery Harbour Corporation(CFHC)

PROJECT TITLE:

Rehabilitation of Tangalla Fishery
 Harbour Facilities

DRAWING TITLE:

Radio communication Room

Floor Plan
 Elevation
 Section
 Finish Schedule

DATE :

SCALE: 1/100

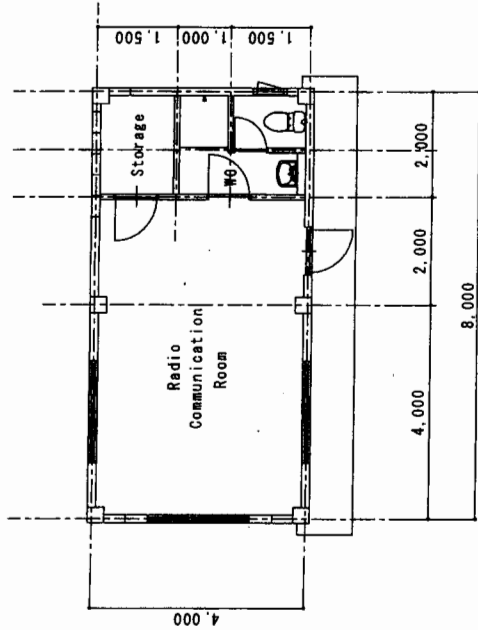
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NO.

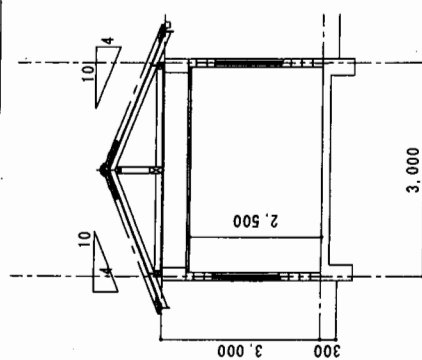
BY:

A-001

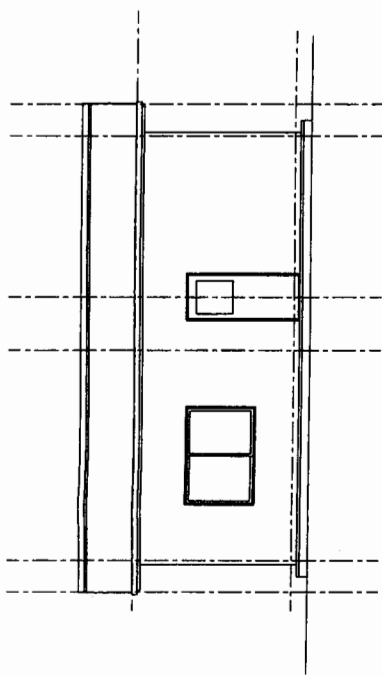
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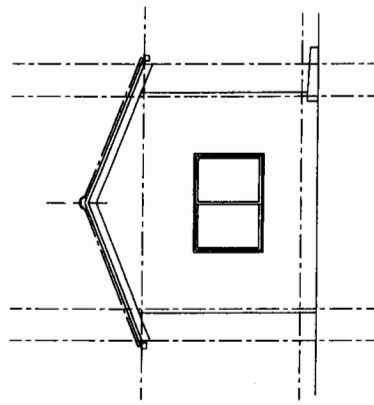
Plan S=1/100



Section S=1/100



East Elevation S=1/100



South Elevation S=1/100

Structure

Column-Beam:concrete Wall:concrete block

Exterior Finish Schedule

Roof : truss wood frame, plywood 12t,asfalt felt, clay tile roofing
 External wall :Concrete block, mortar, AEP
 Column, Beam :Concrete, AEP
 Windows, door:wood frame, aluminium window
 Painting :anti-chloridisation for steel parts
 Exterior floor :concrete trowel finishing coated by hardener

Interior Finish Schedule

Radio communication room
 Floor :concrete trowel finishing coated by hardner
 Wall :column/beam:AEP, block:mortar AEP
 Ceiling : wood frame: OP,plywood:OS

Toilet

Floor :100 rectangular porcelain tile
 Wall :100 rectangular porcelain tile
 Ceiling : wood frame: OS,cement board EP

Storage

Floor :concrete trowel finishing
 Wall :column/beam:AEP, block:mortar AEP
 Ceiling : wood frame: OS,cement board EP

Water Treatment System

apply for local standards. (B. O. D30ppm)

CLIENT:

PROJECT TITLE:

Recovery, Rehabilitation and Development Project for tsunami Affected Area of South region in the Democratic Socialist Republic of Sri Lanka

SUBJECT:

Rehabilitation of Tengella Fishery Harbour Facilities
 Radio communication Building

DRAWING TITLE:

Ground Floor PLAN
 Elevation
 Section

DATE :

SCALE: 1/100

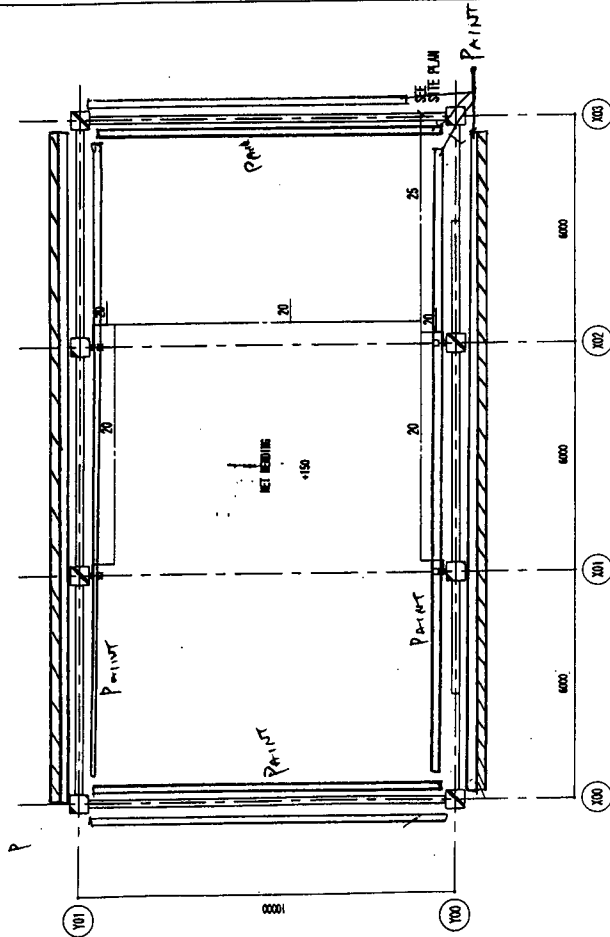
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NO.

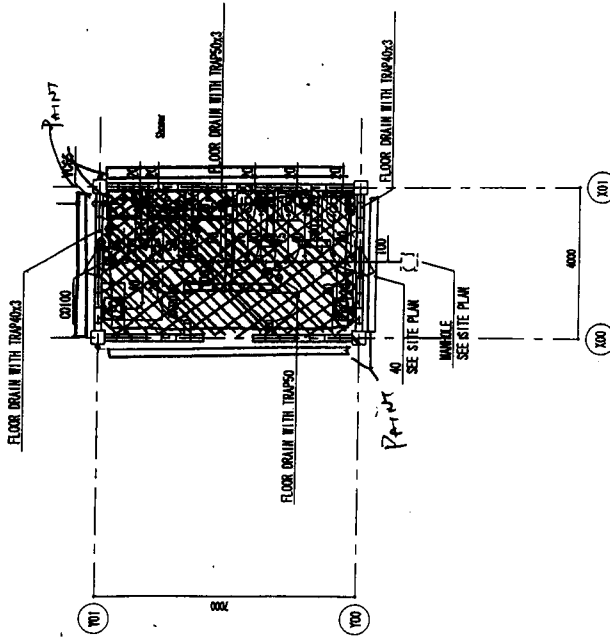
BY:

APPROVE BY:

NET MENDING GROUND FLOOR PLAN 1/100

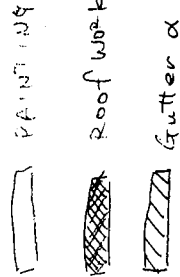
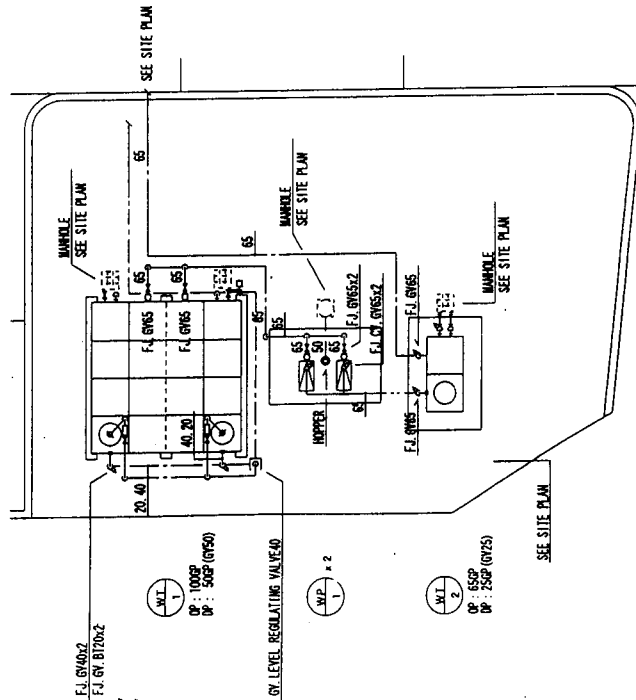


TOILET GROUND FLOOR PLAN 1/100



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Rehabilitation of Tangalle Fishery Harbour Facilities	
DRAWING TITLE: Damaged Area Drawing	
NO.	B-002

PUMP ROOM GROUND FLOOR PLAN 1/100



CONSULTANT: OAFIC ORDERS AND SERVICES CONSULTANTS (PVT) LTD. 100/1, MAIN ROAD, NERAMBI	
PROJECT TITLE: Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalle (Phase II)	
SUBJECT: Improvement of Tangalle Fishery Harbour Facilities	
DRAWING TITLE: Plumbing NET MENDING Ground Floor Plan TOILET Ground Floor Plan PUMP ROOM Ground Floor Plan	
DATE : 200/02/02	SCALE : 1/100
BY : [Signature]	NO
BY : [Signature]	
APPROVE BY:	P-007

EMPLOYER:

TENDER REF. NO.

EXECUTING AGENCY:

Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Corporation (CFHC)

PROJECT TITLE:

Rehabilitation of Tangella Fishery
Harbour Facilities

DRAWING TITLE:

Damaged Area Drawing

NO.

B-003

CONSULTANT

OAFIC
OVERSEA ASSOCIATES
CONSULTANTS
LONDON

PROJECT TITLE

Project for Improvement
of Fishery Harbour Facilities
and Fisheries Training Center
at Tangella (Phase II)

SUBJECT

Improvement of Tangella
Fishery Harbour Facilities

DRAWING TITLE

Main feeder, Motor circuit
Receptacles,
Telephone system layout

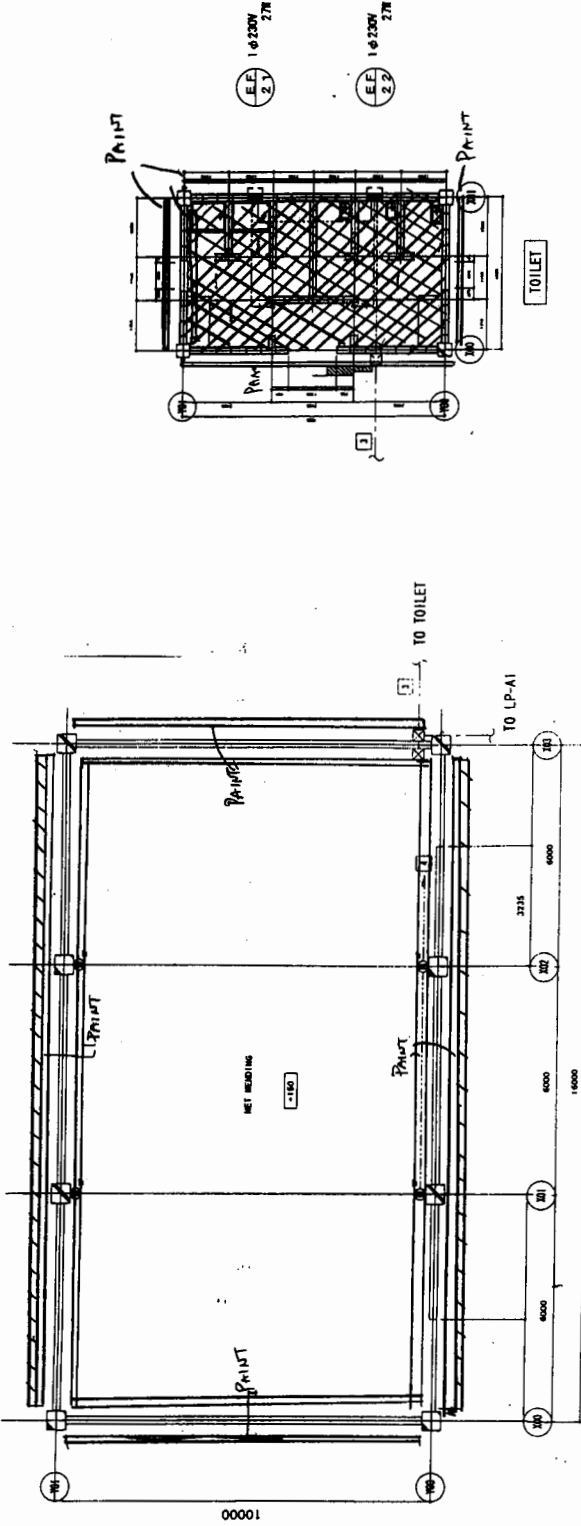
Total

DATE: 2001/02/11

BY: [Signature]

APPROVE BY: [Signature]

E-00



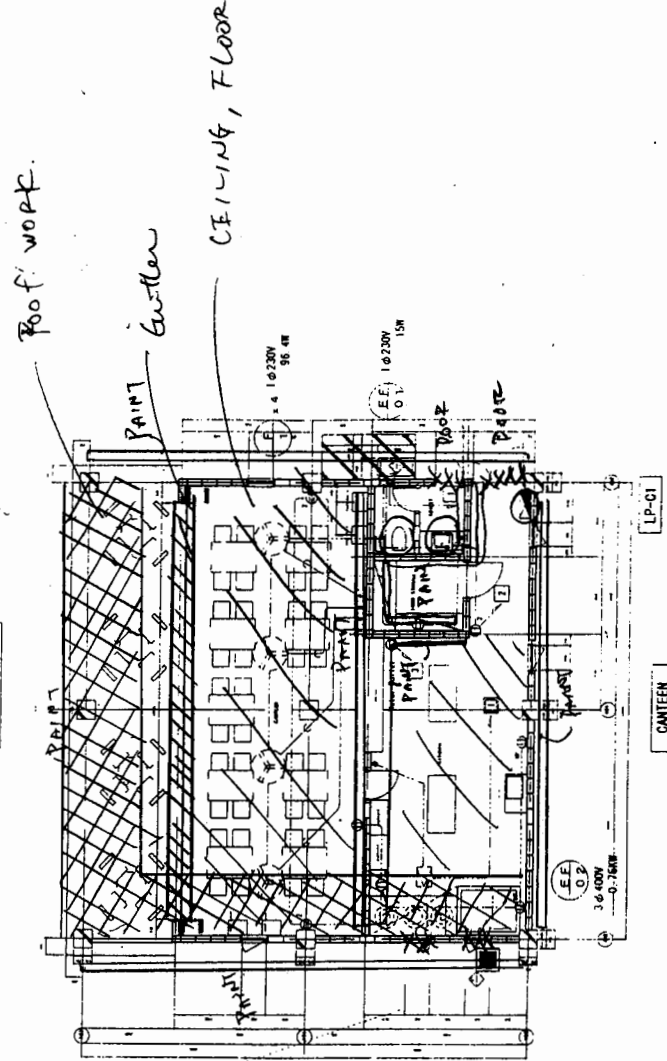
LEGEND)

Wiring size

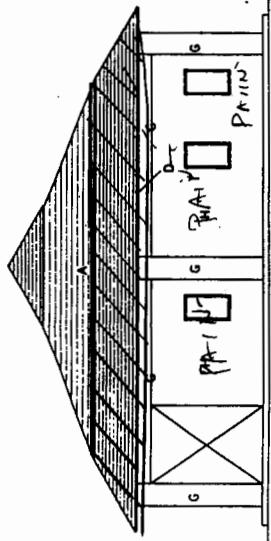
- NYM 2x4
- NYM 3x4
- NYM 4x4
- NYM 5x4
- PVC (28)

3 ϕ 400V
 1 ϕ 230V

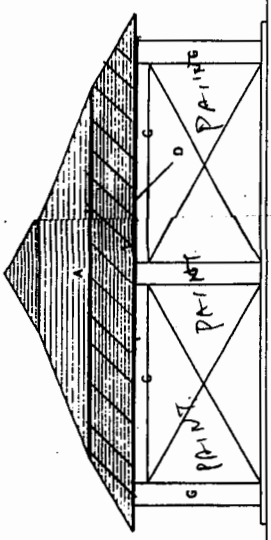
Remote control switch
 (Mechanical work)



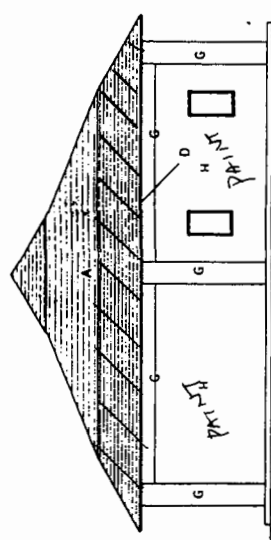
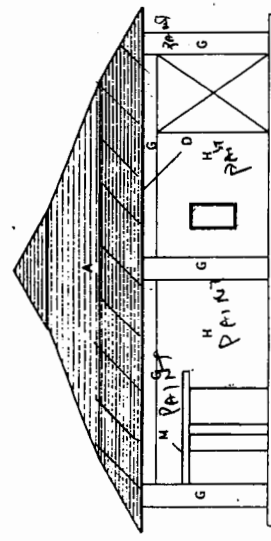
- A: Rooftruss wood frame, asphalt roofing 22%, colored cement tile roofing, stainless steel nail
- B: Eaves collar/alignment board AEP
- C: Fascia board/cheekboard CP
- D: Eaves gutter, ZN/AL steel sheet 0.8t, stainless steel gutter hangers
- E: Leader/PVC pipe 4-100, stainless steel leader straps
- F: Leader head, color stainless steel plate 0.8t
- G: Column - beamconcrete AEP
- H: Exterior wall/mortar AEP, concrete block 150x
- I: Handrail/stainless pipe 4-40
- J: Steel door/window PAINTS
- K: Aluminium window
- L: Footing beamconcrete
- M: Apparent (line): precast concrete AEP



ELEVATION (N) 1/100

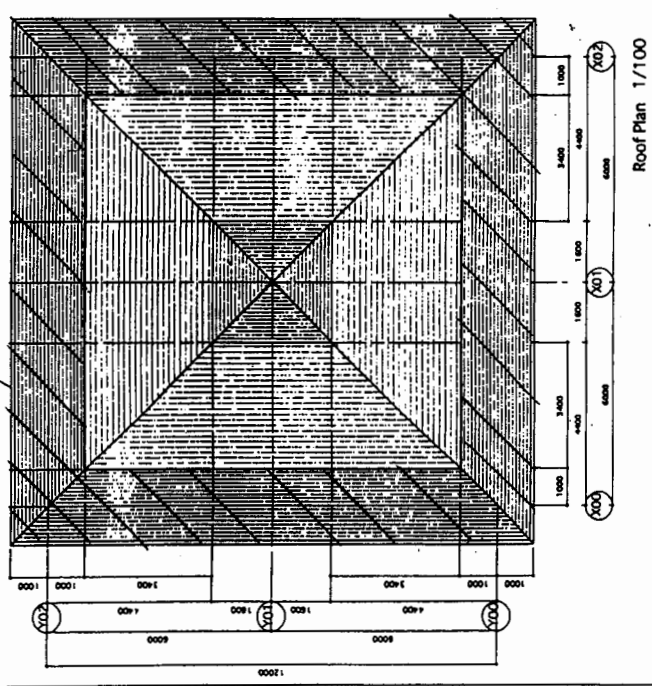


ELEVATION (S) 1/100

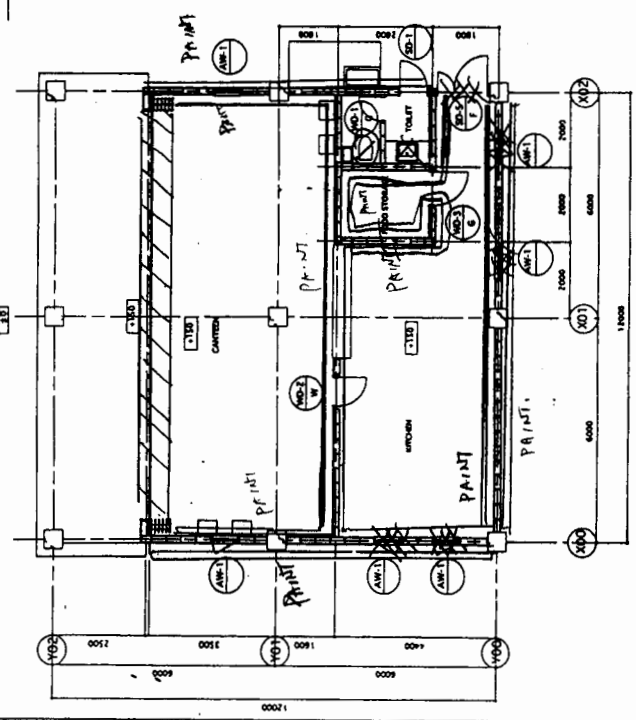


ELEVATION (E) 1/100

- Legend
- Column - beamconcrete
 - Wall-concrete block
 - Wood frame partition higher parts of floor
 - See-Through bar
 - Fridge mark
 - Leader head
 - Leader
 - Floor height



Roof Plan 1/100



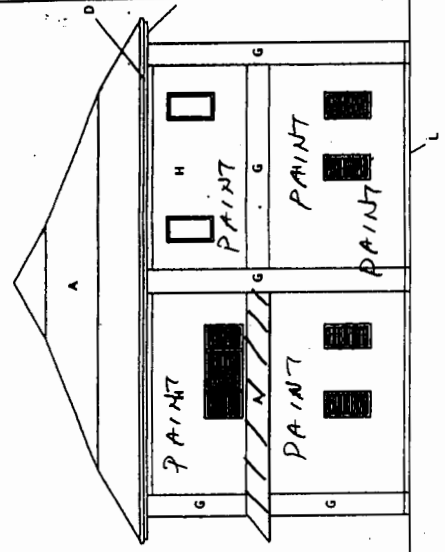
Ground Floor Plan 1/100

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE: Damaged Area Drawing	
NO.	B-005

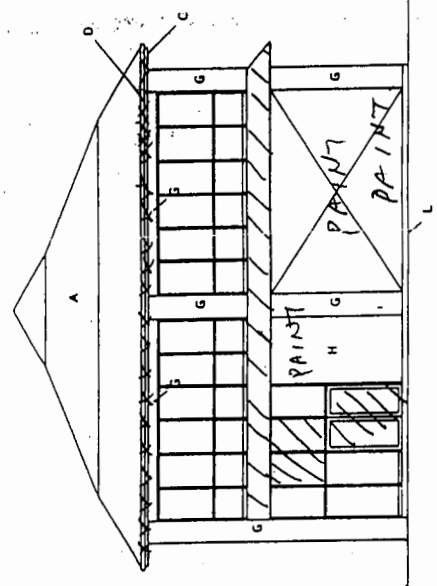
CONSULTANT: OAFIC OVERSEAS AGRICULTURE CONSULTANTS CO., LTD TOKYO, JAPAN
PROJECT TITLE: Project for Rehabilitation of Fishery Harbour Facilities and Fishery Housing Units at Tangalla (Phase 1)
SUBJECT: Improvement of Tangalla Fishery Harbour Facilities
DATE: Feb. 2001
SCALE: 1/100
ELEVATION
NO. A-023

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
Damaged Area Drawing	
NO.	B-007

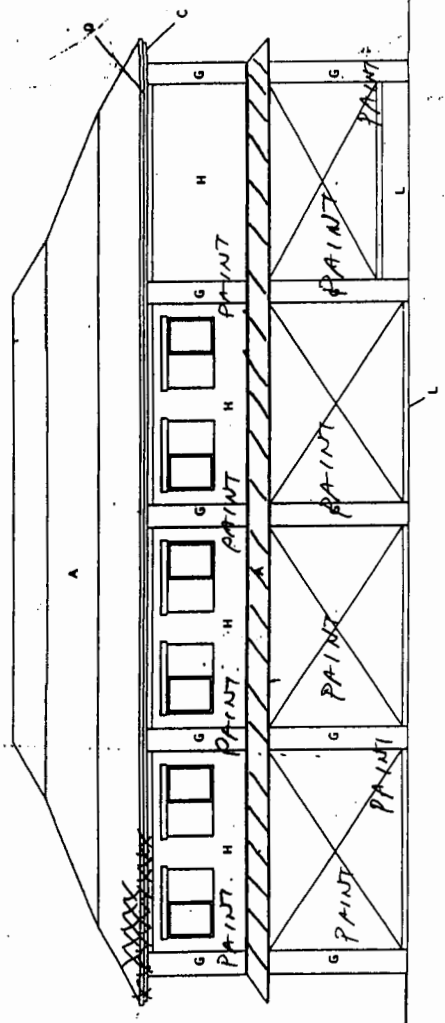
CONSULTANT:	OVERSEAS AGRICULTURE CONSULTANTS CO., LTD. TOKYO, JAPAN
PROJECT TITLE:	Plan for Improvement of Fishery Harbour Facilities and Harbour Working Control at Tangalla (Phase II)
SUBJECT:	Rehabilitation of Tangalla Fishery Harbour Facilities CFHC OFFICE - NATIONAL
DRAWING TITLE:	ELEVATION
DATE:	Feb. 2001
SCALE:	1/100
NO.	
REV.	
APPROVED BY:	
PROJECT NO.	A-008



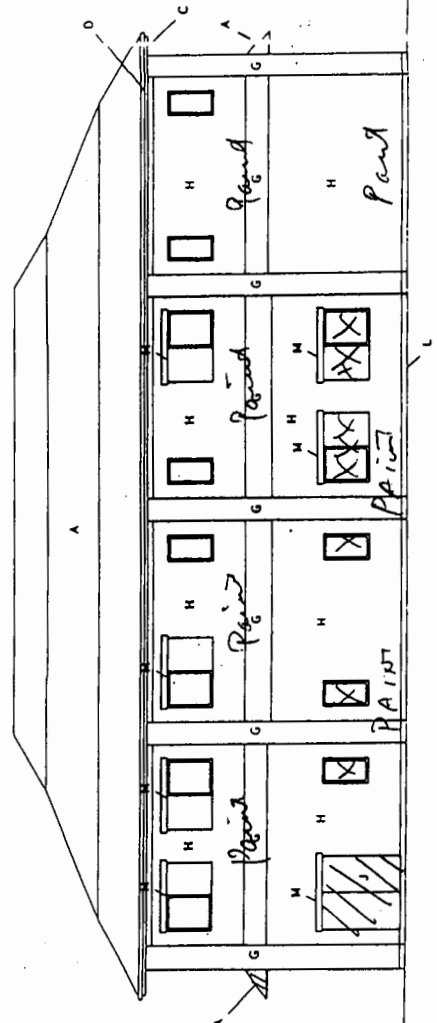
ELEVATION (W) 1/100



ELEVATION (E) 1/100



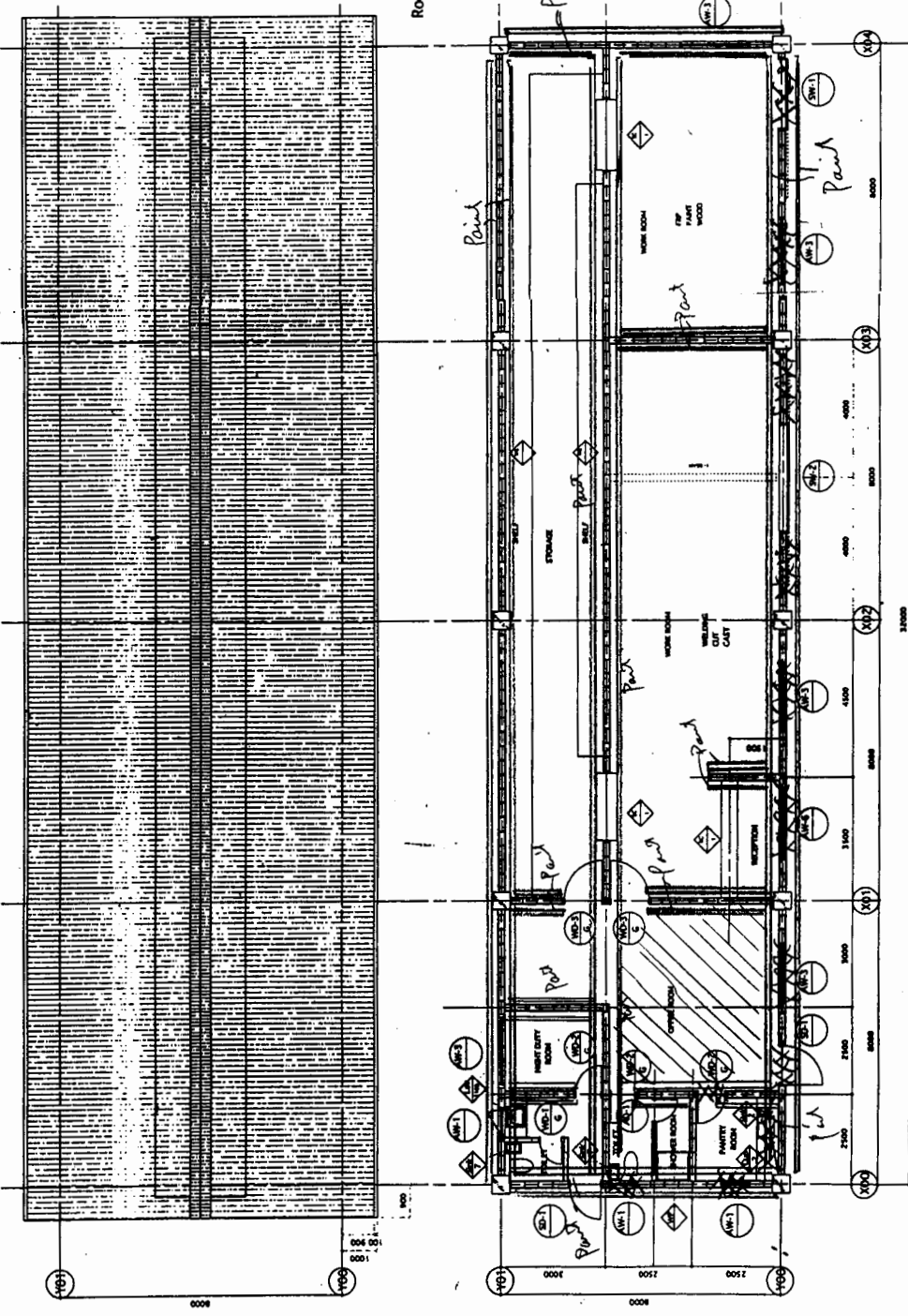
ELEVATION (N) 1/100



ELEVATION (S) 1/100

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
Damaged Area Drawing	
NO.	B-010

CONSULTANT:	OVERSEAS ASSOCIATES CONSULTANTS (PVT) LTD. 108/10, RAJAPALACE
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalla (Phase - I)
SUBJECT:	Improvement of Tangalla Fishery Harbour Facilities WORK SHOP
DRAWING TITLE:	Ground Floor Plan Roof Plan
DATE: Feb.2001	SCALE: 1/100
BY: [Signature]	APPROVED BY: [Signature]
A-036	

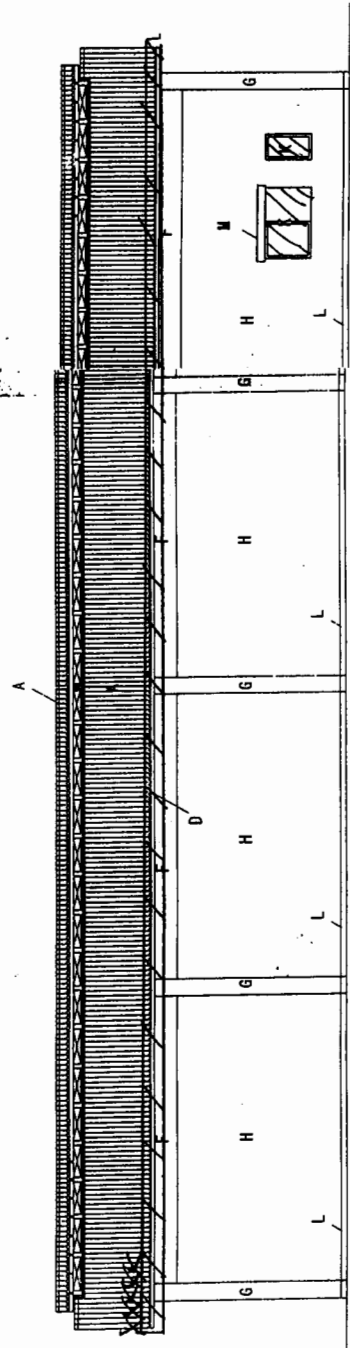


Roof Plan 1/100

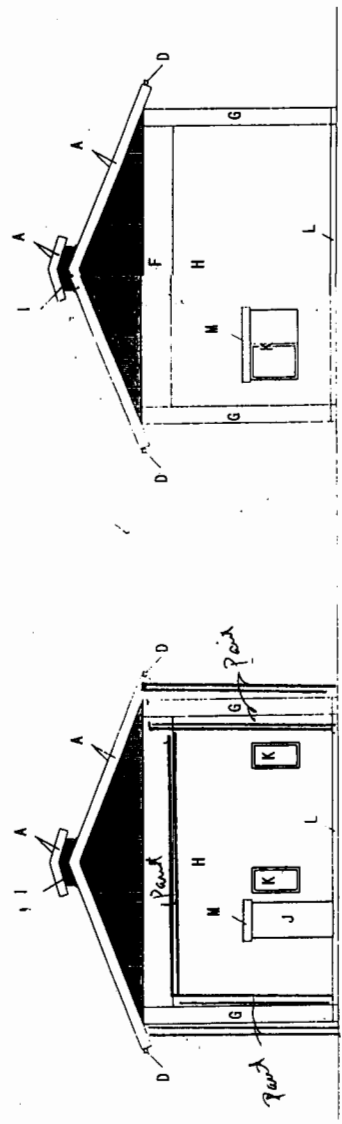
Ground Floor Plan 1/100

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
Damaged Area Drawing	
NO.	B-011

- A: Roof: truss wood fram. colored corrugated cement sheet (L)
- B:
- C:
- D: Eaves gutter: Zn/Al steel sheet 0.8t. stainless steel gutt
- E: Leader: PVC pipe φ=100, stainless steel leader
- F: Beam: concrete, MP
- G: Column: concrete MP
- H: Exterior wall: mortar MP, concrete block 150t
- I: Exterior wall: cement board 1.5, 0.8mm
- J: Steel door: METAL PAINTS
- K: Aluminium window
- L: Footing: beam: concrete
- M: Appendix (if any): precast concrete MP

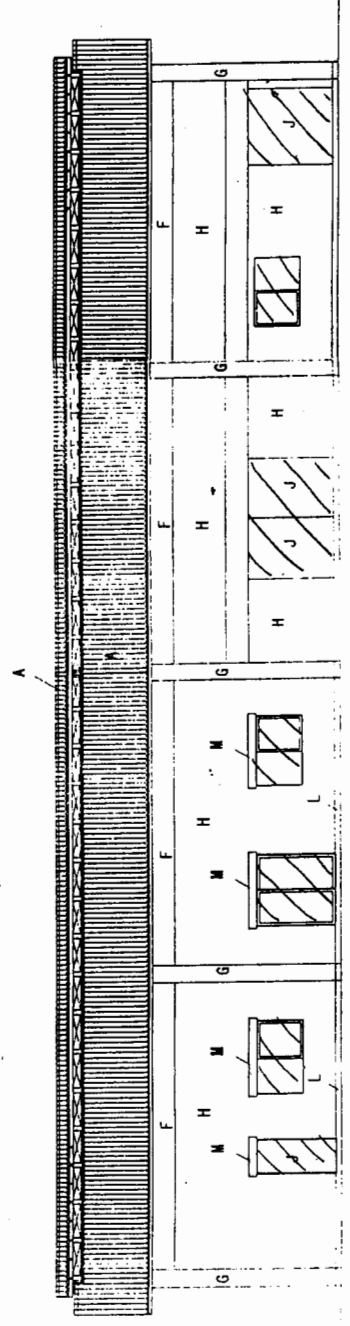


ELEVATION (N) 1/100



ELEVATION (E) 1/100

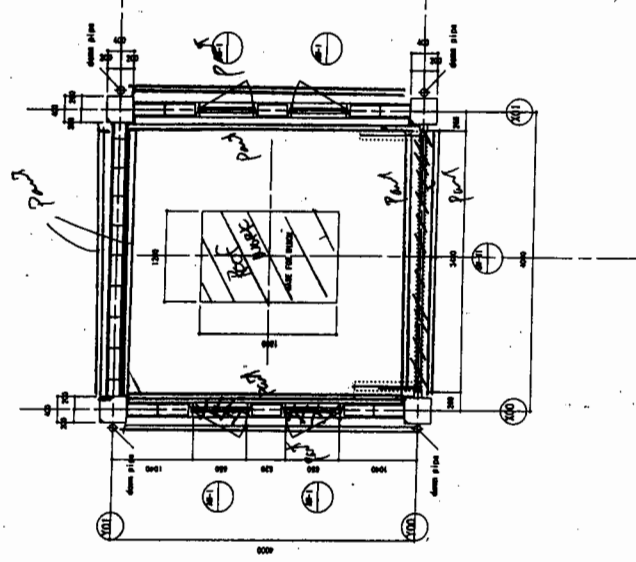
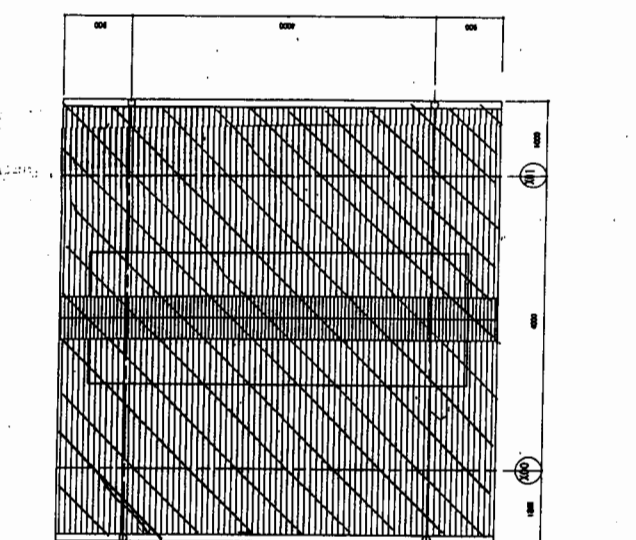
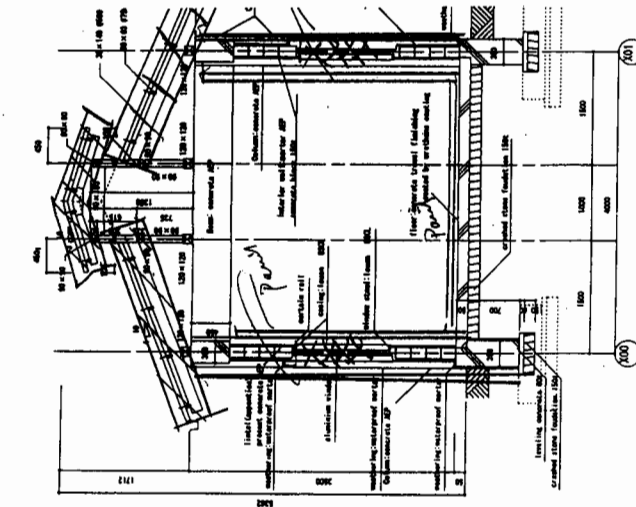
ELEVATION (W) 1/100



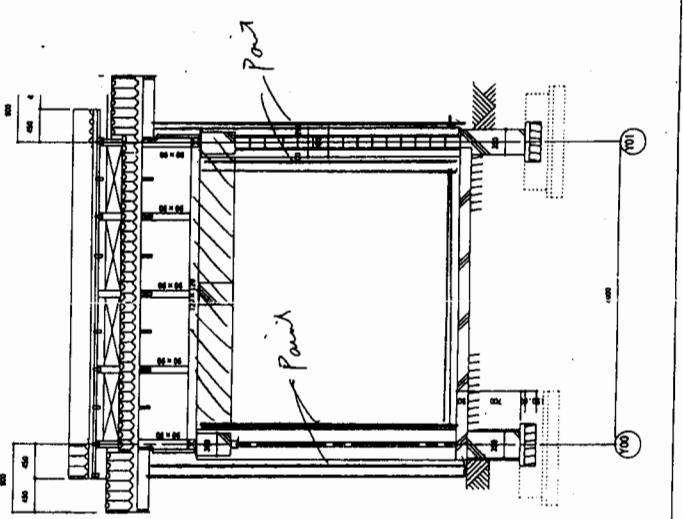
ELEVATION (S) 1/100

CONTRACT NO:	OAFIC
PROJECT TITLE:	Project for Rehabilitation of Fishery Harbour Facilities and Fishery Harbour at Tangalla (Phase 1)
CLIENT:	MINISTRY OF FISHERIES AND AQUACULTURE CEYLON FISHERY HARBOUR CORPORATION TANGALLA
DATE:	15th Feb. 2001
SCALE:	1/100
DRAWING NO: A-037	

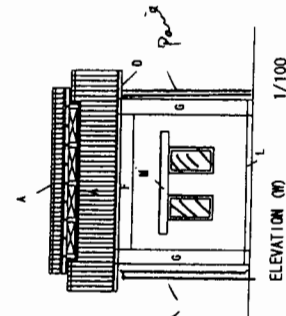
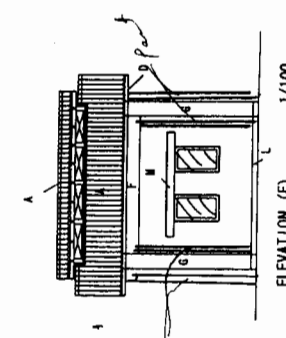
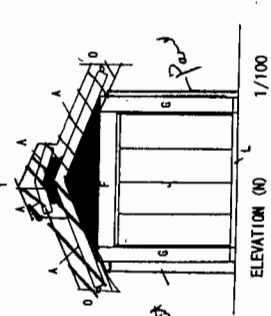
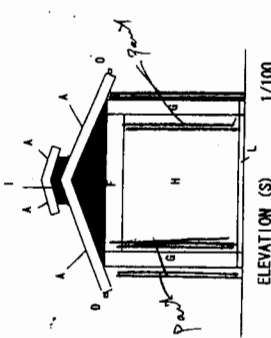
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)
PROJECT TITLE:	Rehabilitation of Tangalle Fishery Harbour Facilities
DRAWING TITLE:	Damaged Area Drawing
NO.	B-012



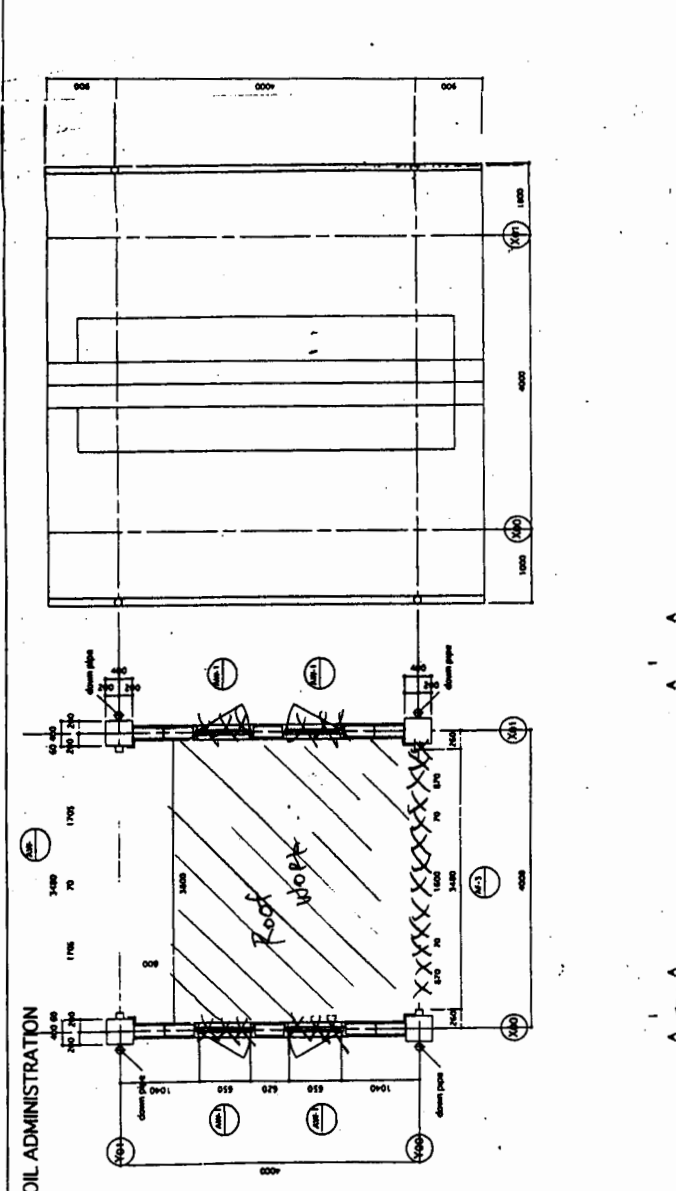
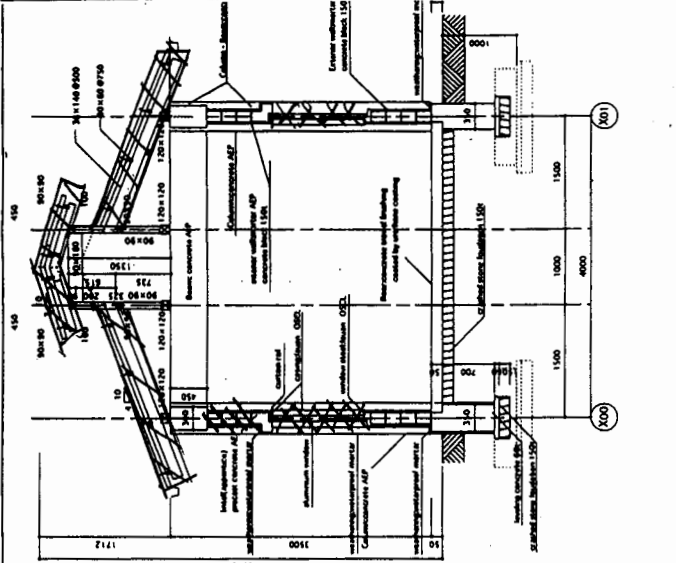
CONSULTANT	OAFIC OFFICE OF ARCHITECTS CONSULTANTS LTD 100/10, J.V.
PROJECT TITLE:	Project for Rehabilitation of Fishery Harbour Facilities and Fishery Training Center at Tangalle (Phase - I)
SUBJECT:	Rehabilitation of Tangalle Fishery Harbour Facilities
DRAWING TITLE:	Ground Floor Plan Roof Plan ELEVATION Sectional Detail
DATE	Feb. 2001
SCALE	1/100 1/50
NO.	
BY	
APPROVED BY:	
	A-048



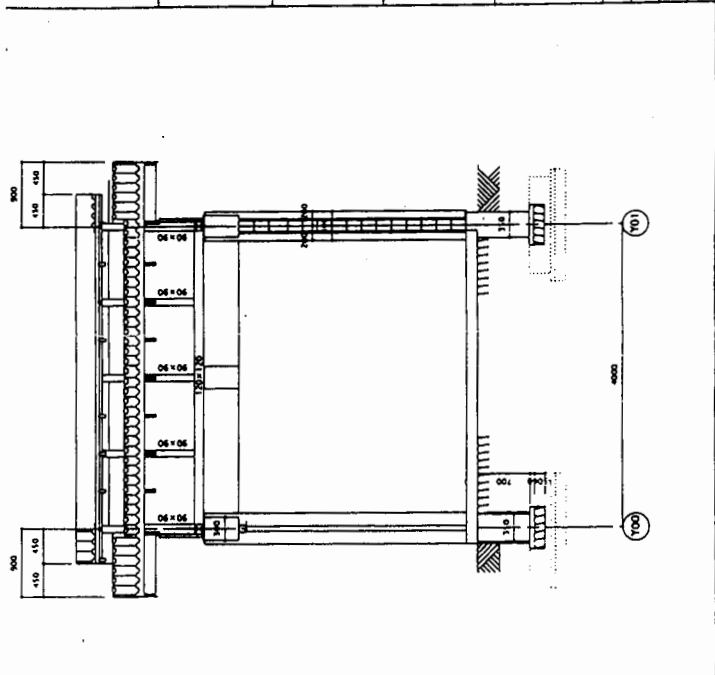
- A: Roof truss wood frame, colored corrugated cement sheet (C)
- B: Leader head/color stainless steel plate 0.8t
- C: Leader: WPVC pipe 4-100, stainless steel leader straps
- D: Eaves gutter: Zn/Al steel sheet 0.8t, stainless steel gutter hangers
- E: Beam concrete ASP
- F: Column concrete ASP
- G: Exterior wall: mortar ASP
- H: Exterior wall: concrete block 150t
- I: Exterior wall: cement board 1/2" - MARINE PAINTS
- J: Steel door: MARINE PAINTS
- K: Aluminium window
- L: Footing beam concrete
- M: Appendices (lines): precast concrete ASP



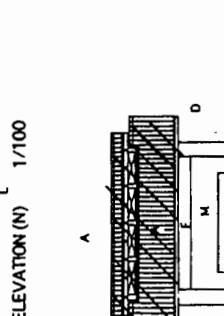
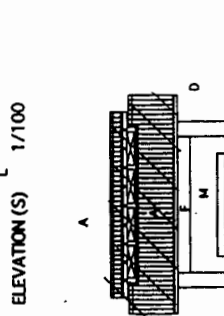
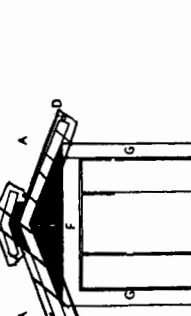
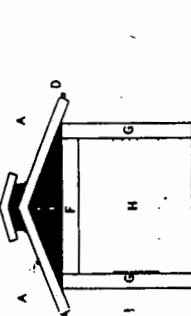
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
Damaged Area Drawing	
NO.	B-013



CONSULTANT:	
OAFIC OVERSEAS ARCHITECTURE CONSULTANTS CO., LTD. TOKYO, JAPAN	
PROJECT TITLE:	
Project for Rehabilitation of Fishery Harbour Facilities and Fisheries Training Centre at Tangalla (Phase 1)	
SUBJECT:	
Rehabilitation of Tangalla Fishery Harbour (Part 1)	
DRAWING NO.	
B-013	
DATE:	
Feb. 2001	
SCALE:	
1/100	
PROJECT TITLE:	
Ground Floor Plan Roof Plan ELEVATION Sectional Detail	
DATE:	Feb. 2001
SCALE:	1/100
PROJECT NO.:	
DRAWING NO.:	B-013
APPROVE BY:	
A-050	



- A: Roof: rux wood frame, colored corrugated cement sheet (L)
- B: Leader headcolor stainless steel plate 0.8t
- C: Leader-VPVC pipe $\phi=100$, stainless steel leader straps
- D: Eaves gutter: ZN/AL steel sheet 0.8t, stainless steel gutter hangers
- E:
- F: Beam: concrete AEP
- G: Column: concrete AEP
- H: Exterior wall: mortar AEP, concrete block 150k
- I: Exterior wall: Cement Block, $1.5 \times 6 \times 10$ cm
- J: Steel door: MARINE PAINTS
- K: Aluminum window
- L: Footing: beam: concrete
- M: Appertice (net): precast concrete AEP



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)
PROJECT TITLE:	Rehabilitation of Tangella Fishery Harbour Facilities
DRAWING TITLE:	Damaged Area Drawing
NO.	B-014

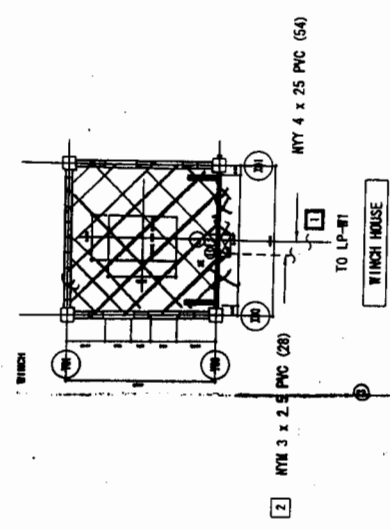
CONSULTANT:	OFIC
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangella (Phase II)
SUBJECT:	Improvement of Tangella Fishery Harbour Facilities
DRAWING TITLE:	Main Feeder, Motor Circuit, Receptacles, Telephone system layout (Work shop, Winch house, Oil administration)
DATE:	30/04/74
SCALE:	1/100
BY:	
APPROVE BY:	
E-008	

LEGEND

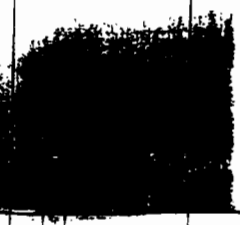
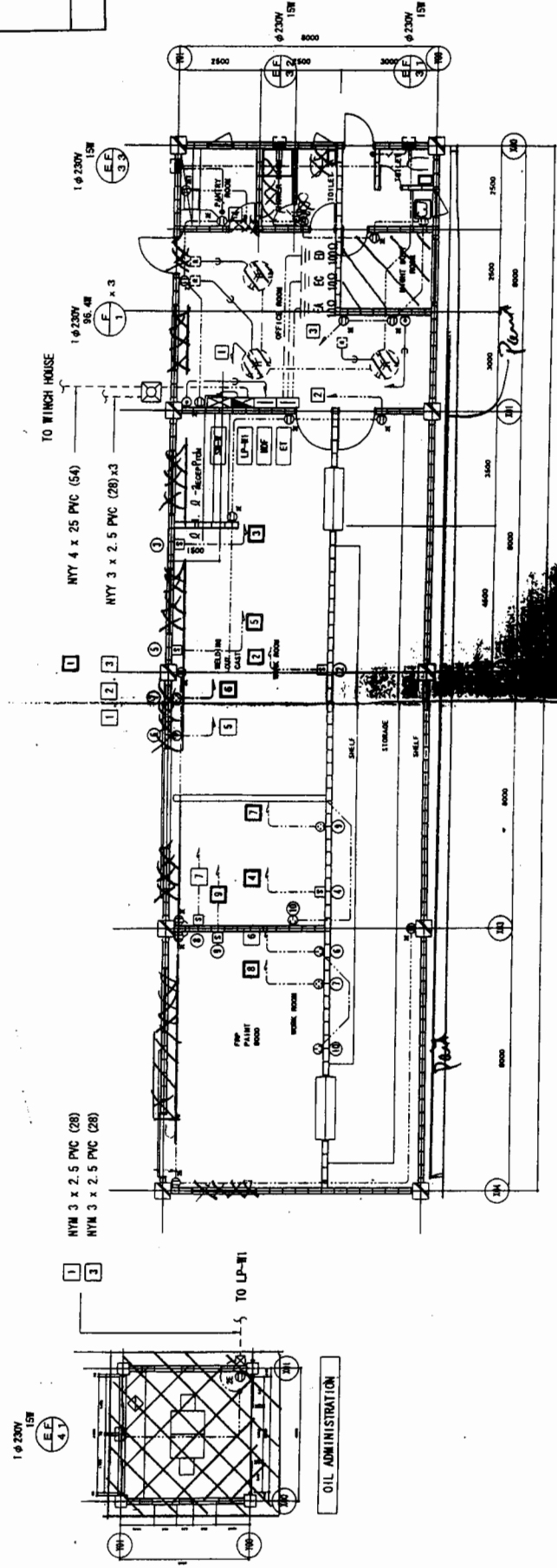
Wiring size

NYM 2x4	□ 3 φ 400V
NYM 3x4	□ 1 φ 230V
NYM 4x4	
NYM 5x4	
PVC (28)	

Remote control switch (Mechanical work)



No.	Load Name	Capacity	Connecting method	Rated current	Cable size and size
1	Winch	3 φ 400V	225A/NI	225A/NI	NYM 4 x 50
2	Lathes	3 φ 400V	7.5kW	50A/NI	NYM 4 x 4.0
3	Bench drill	3 φ 400V	1.5kW	50A/NI	NYM 4 x 2.5
4	Milling machine	3 φ 400V	1.5kW	50A/NI	NYM 4 x 2.5
5	Electric grinder	3 φ 400V	0.75kW	50A/NI	NYM 4 x 2.5
6	Dish grinder	1 φ 230V	1.05kW	NI	NYM 3 x 2.5
7	Electric cutter	3 φ 400V	3.7kW	NI	NYM 4 x 2.5
8	Electric welding equipment	1 φ 230V	28VA	225A/NI	NYM 3 x 50
9	Air compressor	3 φ 400V	2.2kW	50A/NI	NYM 4 x 2.5
10	Battery charger	1 φ 230V	1.1kW	NI	NYM 3 x 2.5



EMPLOYER:	
TENDER REF. NO.	
EXHIBITING AGENCY:	Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)
PROJECT TITLE:	Rehabilitation of Tangalla Fishery Harbour Facilities
DRAWING TITLE:	Damaged Area Drawing
NO.	B-015

CONSULTANT:	OAFIC OFFICIALS OF AGRICULTURE CORPORATION LTD 100, MARA KOTTE
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalla (Phase II)
SHEET:	Improvement of Tangalla Fishery Harbour Facilities
DRAWING TITLE:	Lighting Fixture Layout (CFHC office, Auction hall)
DATE:	2000/11
SCALE:	1/100
BY:	
CHECKED BY:	
APPROVED BY:	
	E-009

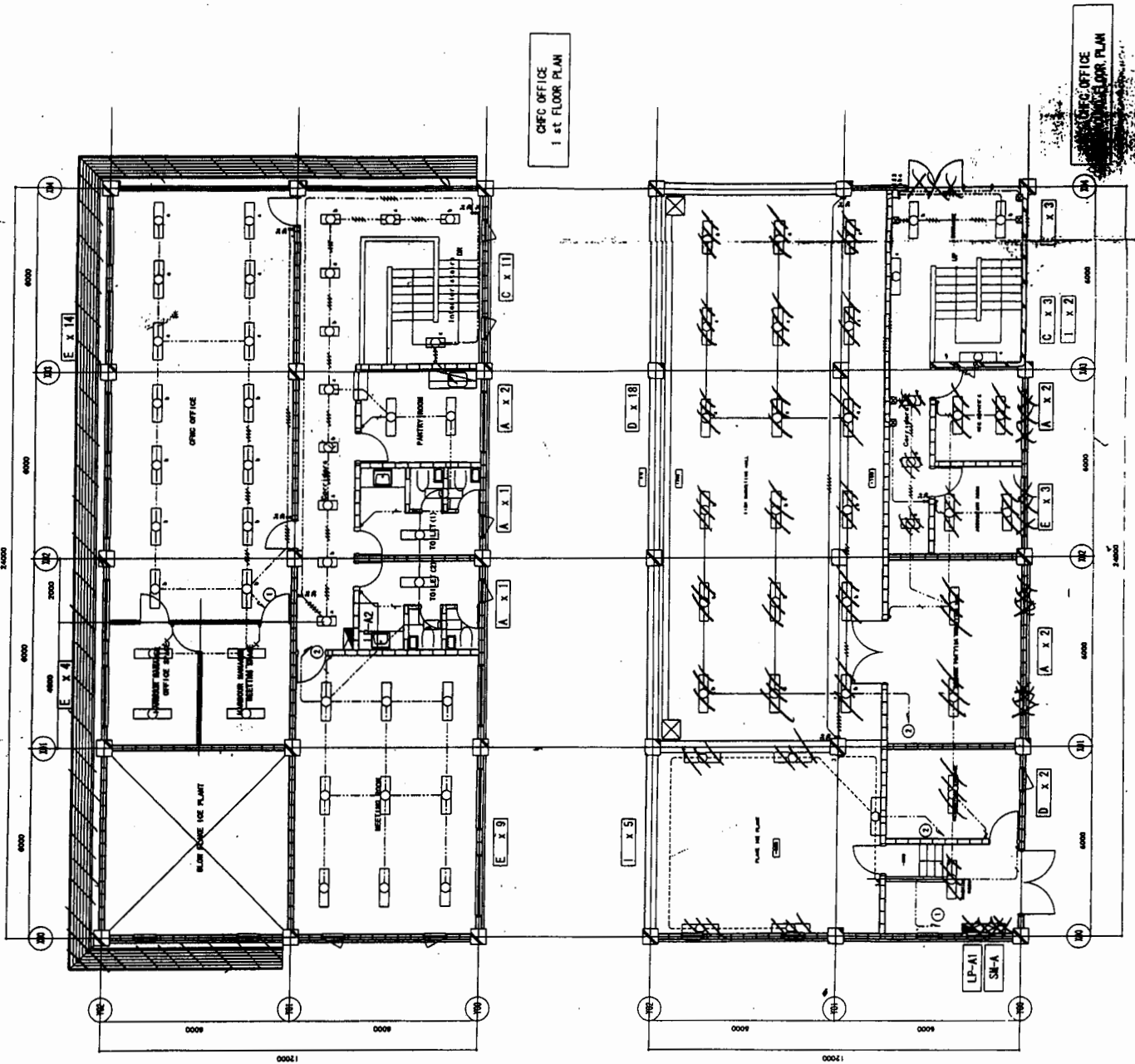
A FL20W x2 Salt proof	B FL40W x2 Water & Salt proof	C FL20W x2 Salt proof
D FL40W x2 Salt proof (w/ reflector)	D1 FL40W x2 Water & Salt proof (w/ reflector)	E FL40W x2 Salt proof (recessed type)
F FL20W x1 Water & Salt proof	G HF250W x1 Water & Salt proof	H FL20W x2 Salt proof (w/ reflector)
I FL40W x2 Salt proof (w/ single reflector)		

LEGEND)

Wiring Size	
NYW 2x2.5	
NYW 3x2.5	
NYW 4x2.5	
NYW 5x2.5	
NYW (3x2.5) x2	
NYW 2x2.5 PVC(25)	
NYW 3x2.5 PVC(25)	
NYW 4x2.5 PVC(25)	
NYW 5x2.5 PVC(25)	
NYW (3x2.5) PVC(25) x2	

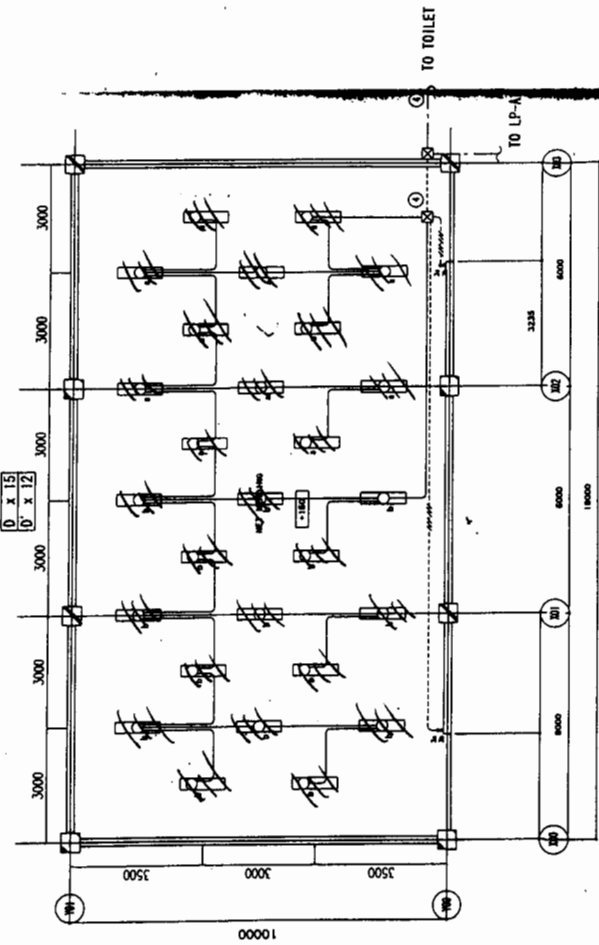
1/100

1/100

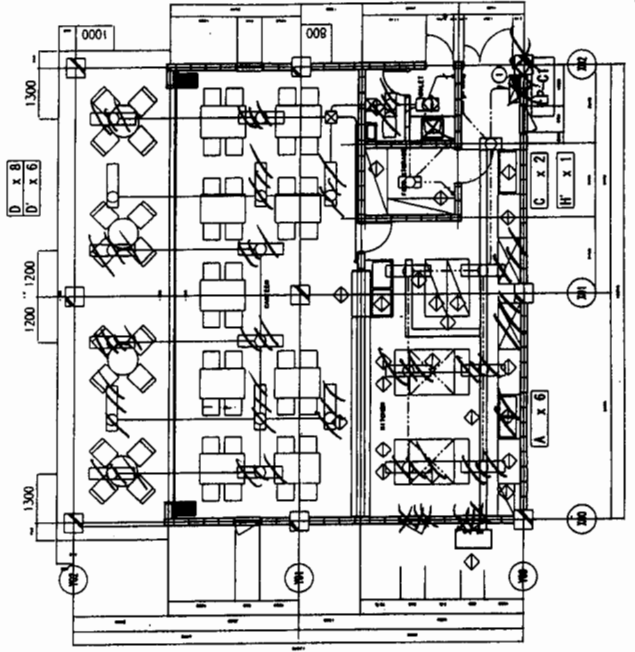


CFHC OFFICE
1ST FLOOR PLAN

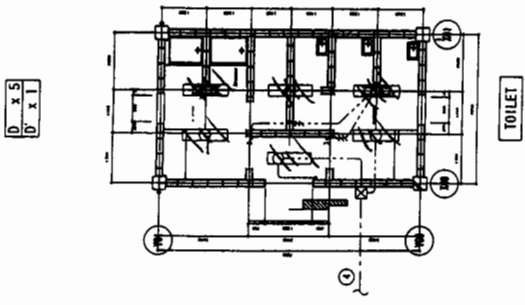
CFHC OFFICE
1ST FLOOR PLAN



NET MENDING



CANTEEN



TOILET

LEGEND) Wiring Size

.....	NYM 2x2.5
.....	NYM 3x2.5
.....	NYM 4x2.5
.....	NYM 5x2.5
.....	NYM (3x2.5) x2
.....	NYM 2x2.5 PWC (25)
.....	NYM 3x2.5 PWC (25)
.....	NYM 4x2.5 PWC (25)
.....	NYM 5x2.5 PWC (25)
.....	NYM (3x2.5) PWC (25)x2

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)
PROJECT TITLE:	Rehabilitation of Tangella Fishery Harbour Facilities
DRAWING TITLE:	Damaged Area Drawing
NO.	B-016

CONSULTANT:	OAFIC
DESIGNED BY:	CONSULTANTS OF TANGELLA
PROJECT TITLE:	Project for Improvement of Fishery Harbor Facilities and Fisheries Training Center at Tangella (Phase II)
SUBJECT:	Improvement of Tangella Fishery Harbor Facilities
DRAWING TITLE:	Lighting Fixture Layout (Canteen, Net mending Toilett)
DATE:	2007/02/
SCALE:	1/10
BY:	
CHK:	
APPROVE BY:	

SPECIFICATION FOR PLUMBING WORKS

1. OUTLINE OF CONSTRUCTION

- (1) SCOPE OF WORK
 - 1) WATER SUPPLY WORKS
 - 2) INDOOR DRAINAGE AND VENT WORKS
 - 3) OUTDOOR DRAINAGE WORKS
 - 4) SANITARY FIXTURE WORKS
 - 5) SEPTIC TANK
- (2) OUT OF SCOPE
 - 1) GUARANTEE DEPOSIT FOR WATER SUPPLY, WATER METER AND WASTE WATER DISCHARGE
 - 2) HOT WATER SUPPLY SYSTEM
 - 3) LPG SUPPLY SYSTEM
 - 4) PORTABLE FIRE EXTINGUISHER

LEGEND & PIPING MATERIAL LIST

SYMBOL	NAME	MATERIAL
	WATER SUPPLY PIPE	P. V. C. LINING STEEL PIPE
	LIFT PIPE	P. V. C. LINING STEEL PIPE
	WASTE PIPE	(INTERNAL) POLYVINYL CHLORIDE PIPE (VP) (EXTERNAL) IRON PIPE (IP)
	VENT PIPE	POLYVINYL CHLORIDE PIPE (VP)
	OIL SUPPLY PIPE	CARBON STEEL PIPE
	BELL WATER SUPPLY PIPE	P. V. C. LINING STEEL PIPE
	GATE VALVE	
	CHECK VALVE	
	FLEXIBLE JOINT	
	FLEXIBLE JOINT	
	BALL TAP	
	VENT CAP	
	CLEAN OUT (SLOPE FLOOR TYPE)	
	FLOOR DRAIN G/W TRAP	
	WATER METER	
	INVERTED MANHOLE	
	WASTE, DRAIN WATER MANHOLE	
	GRADED MANHOLE	
	FLUSH VALVE	
	TAP	
	SHOWER HEAD	
	OVER FLOW PIPE	
	BRAIDED PIPE	

EMPLOYER:

TRUCKER REF. NO.

EXECUTING AGENCY:
Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Corporation (CFHC)

PROJECT TITLE:
Rehabilitation of Tangalla Fishery
Harbour Facilities

DRAWING TITLE:
As-Built Drawings

NO. B-001

CONSULTANT:
OAFIC OFFICIAL ARCHITECTS AND ENGINEERS
LIMITED, 110, SOUTH BRIDGE ROAD, SINGAPORE

PROJECT TITLE:
Project for Improvement of
Fishery Harbour Facilities
and Fisheries Training Center
at Tangalla (Phase B)

SUBJECT:
Improvement of Tangalla
Fisheries Training Center

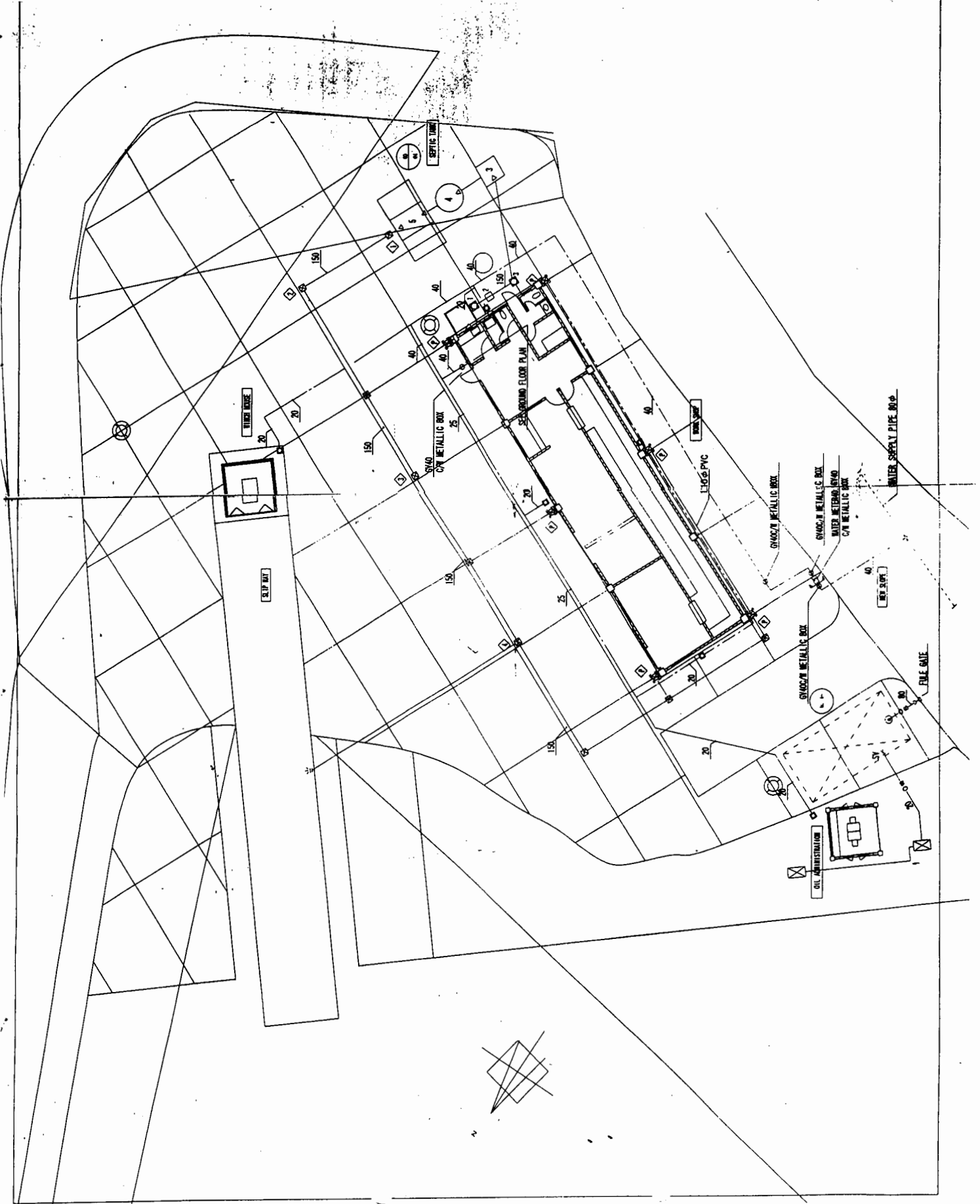
DRAWING TITLE:
Plumbing Specification, Legend
and Piping Material List

DATE: 20/01/83
BY: [Signature]
APPROVE BY: [Signature]

SCALE: AS SHOWN
P-001

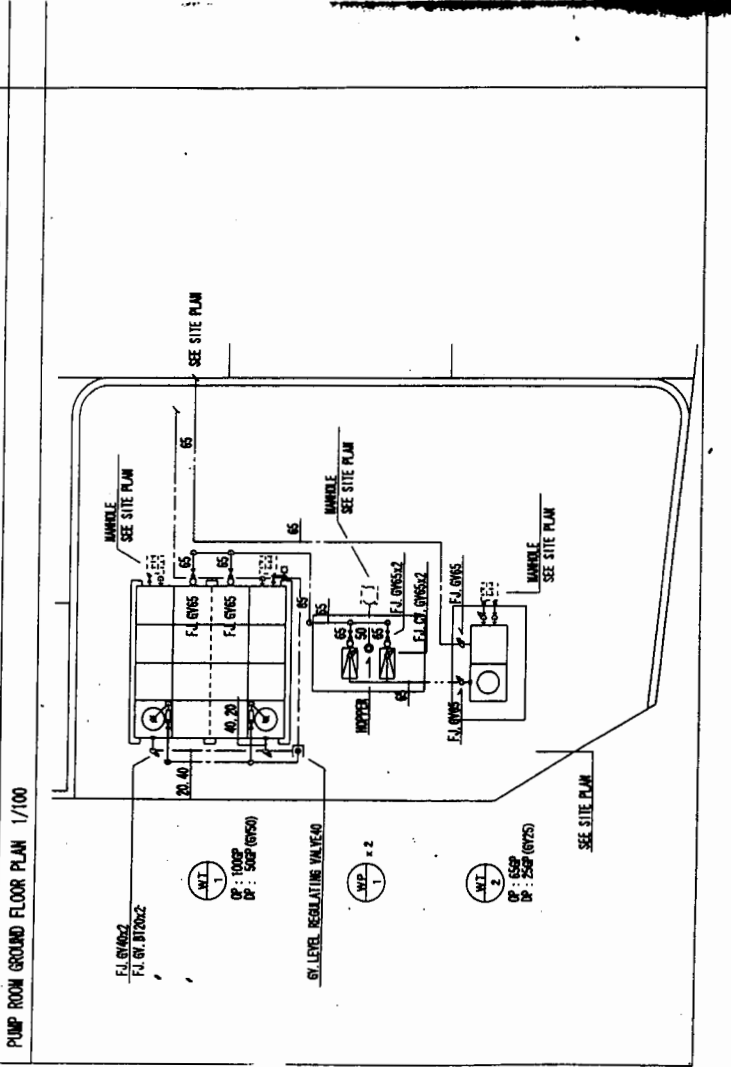
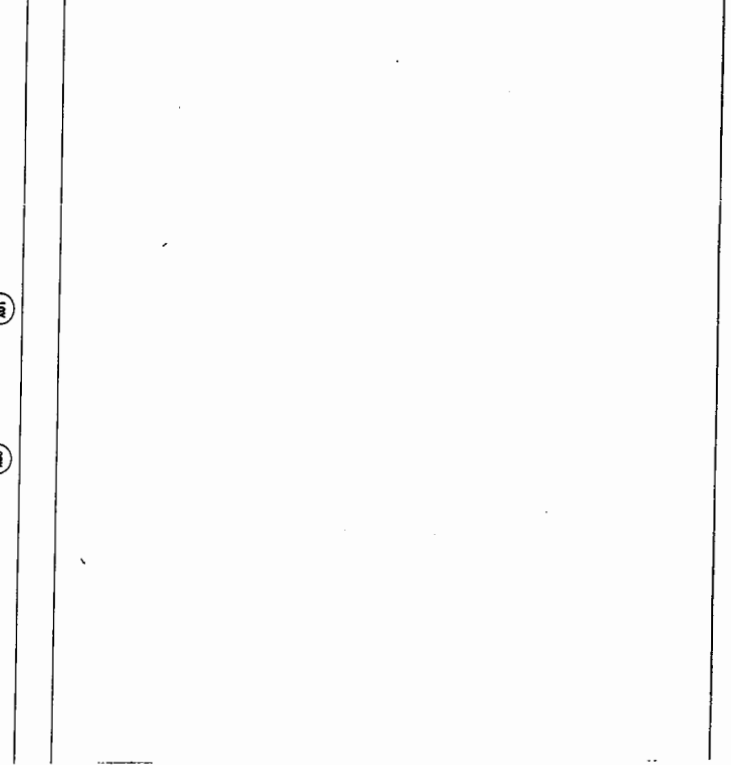
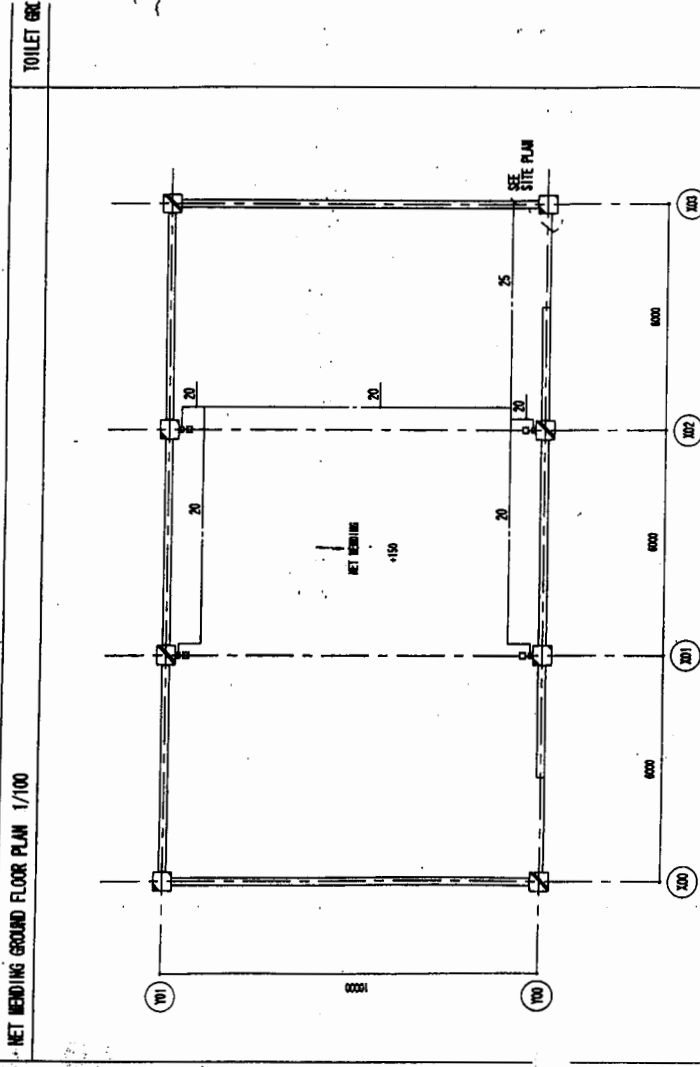
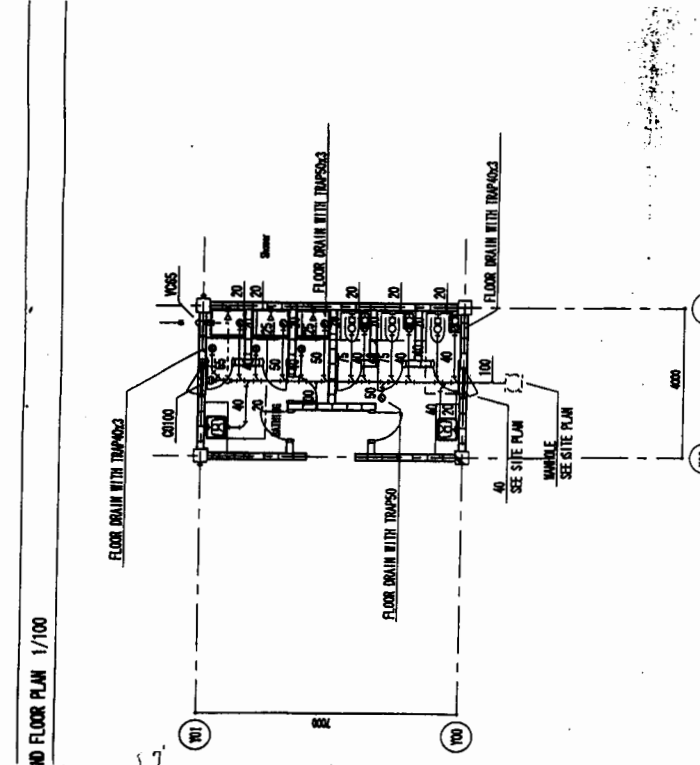
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE: As-Built Drawings	
NO.	B-005

CONSULTANT: OAFIC ORISSA A&F-FISHERIES CONSULTANTS CO., LTD. INDIA	PROJECT TITLE: Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalla (Phase 01)
SUBJECT: Improvement of Tangalla Fishery Harbour Facilities	DRAWING TITLE: Plumbing Site Plan (0)
DATE: 2001/02/	SCALE: 1/200
BY:	NO.
BY:	
APPROVE BY:	P-005

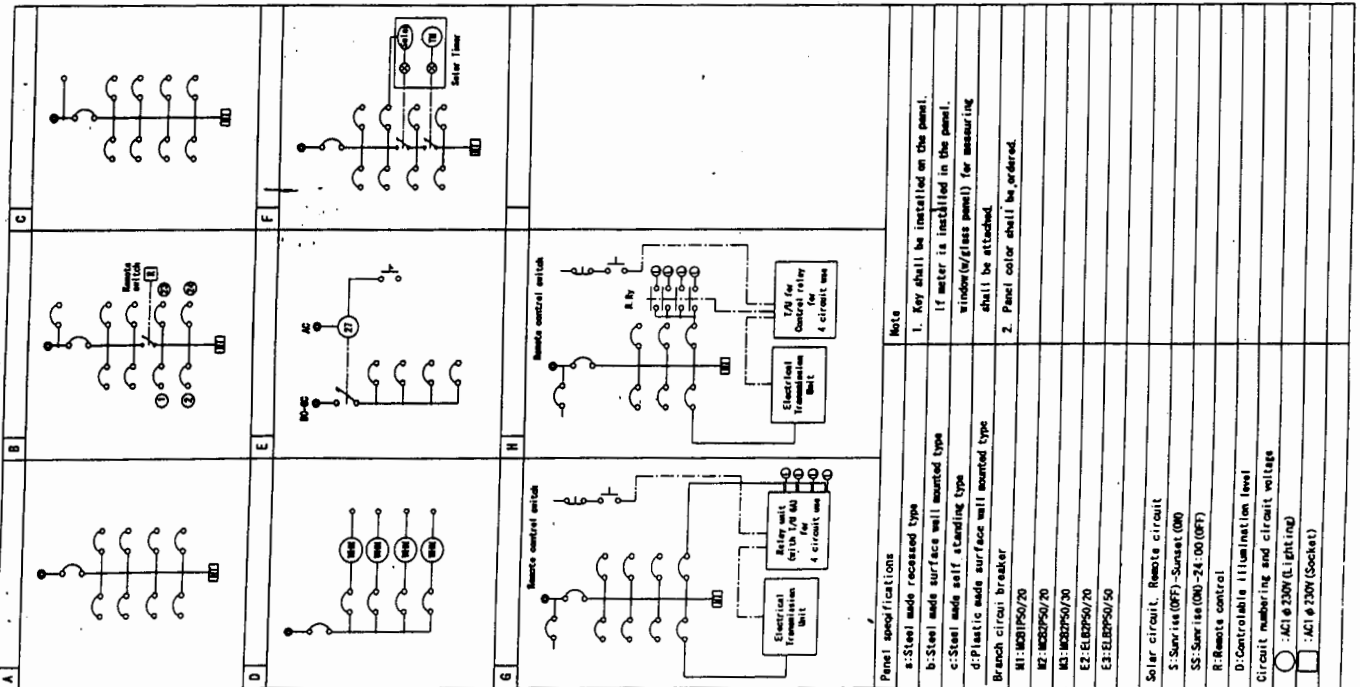


EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalle Fishery Harbour Facilities	
DRAWING TITLE:	
As-Built Drawings	
NO.	B-007

CONSULTANT:	OAFIC ORRERA AND PERERA CONSULTANTS (PVT.) LTD. HARVEY, JAYASINGHE & PARTNERS
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalle (Phase II)
SUBJECT:	Improvement of Tangalle Fishery Harbour Facilities
DRAWING TITLE:	Plumbing NET HEADING Ground Floor Plan TOILET Ground Floor Plan PUMP ROOM Ground Floor Plan
DATE:	2007/02
SCALE:	1/100
BY:	BT
APPROVE BY:	BT
	P-007



TYPICAL DIAGRAM OF LIGHTING PANEL



PANEL I.D	FEEDER No. Size	TOTAL CAPACITY	SPEC	DIAG
LP-A1	β-3 RYY 3x6/6	11.56KVA	b	F
LP-A2	β-4 RYY 3x6/6	10.56KVA	b	A
LP-C1	β-5 RYY 3x6/6	5.94KVA	b	A
LP-B1	β-1 RYY 3x6/6	15.83KVA	b	F
	β-2 RYY 3x50/75	28KVA		

MAIN NO	CIRCUIT No.	LOAD NAME	CAPACITY (KW)	VOLUME (L)	REMARK
NO. 4 SMAF/20AT	1	LIGHTING	1.50	230	
	2	LIGHTING	2.50	230	
	3	EXTERNAL LIGHTING	1.00	230	
	4	LIGHTING	3.00	230	
NO. 1 SMAF/20AT	1	FAN		230	
	2	SOCKET OUTLET		230	
	3	FAN		230	
	4	SOCKET OUTLET		230	
NO. 2 SMAF/20AT	1	LIGHTING		230	
	2	LIGHTING		230	
NO. 3 SMAF/20AT	1	LIGHTING		230	
	2	LIGHTING		230	
	3	Water Boiler		230	
	4	SPARE x2		230	
NO. 5 SMAF/20AT	1	LIGHTING		230	
	2	LIGHTING		230	
NO. 6 SMAF/20AT	1	LIGHTING		230	
	2	LIGHTING		230	
	3	EXTERNAL LIGHTING		230	
	4	LIGHTING		230	
NO. 7 SMAF/20AT	1	FAN	437	230	
	2	SOCKET OUTLET	1,200	230	
	3	SOCKET OUTLET	1,350	230	
	4	SOCKET OUTLET	2,400	230	
NO. 8 SMAF/20AT	5	○	2,150	230	Load name shall be referred to E-08
	6	○	2,150	230	Ditto
	7	○	0.7500	230	(SPPN)
	8	○	0.7500	230	(SPPN)
NO. 9 SMAF/20AT	1	SPARE x3		230	
	2	SPARE x3		230	
NO. 10 SMAF/20AT	1	○		230	Load name shall be referred to E-08
	2	○		230	Load name shall be referred to E-08

EMPLOYER: Ministry of Fisheries & Aquatic Resources
Ceylon Fishery Harbour Corporation (CFHC)

TENDER REF. NO.:

EXECUTING AGENCY:

PROJECT TITLE: Rehabilitation of Tangalle Fishery Harbour Facilities

DRAWING TITLE: As-Built Drawings

NO. B-011

CONTRACT NO. OAFIC

PROJECT TITLE: Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalle (Phase II)

SCALE: 1:100

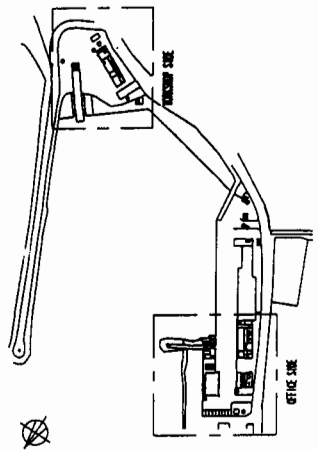
DATE: 2001/02/10

BY: [Signature]

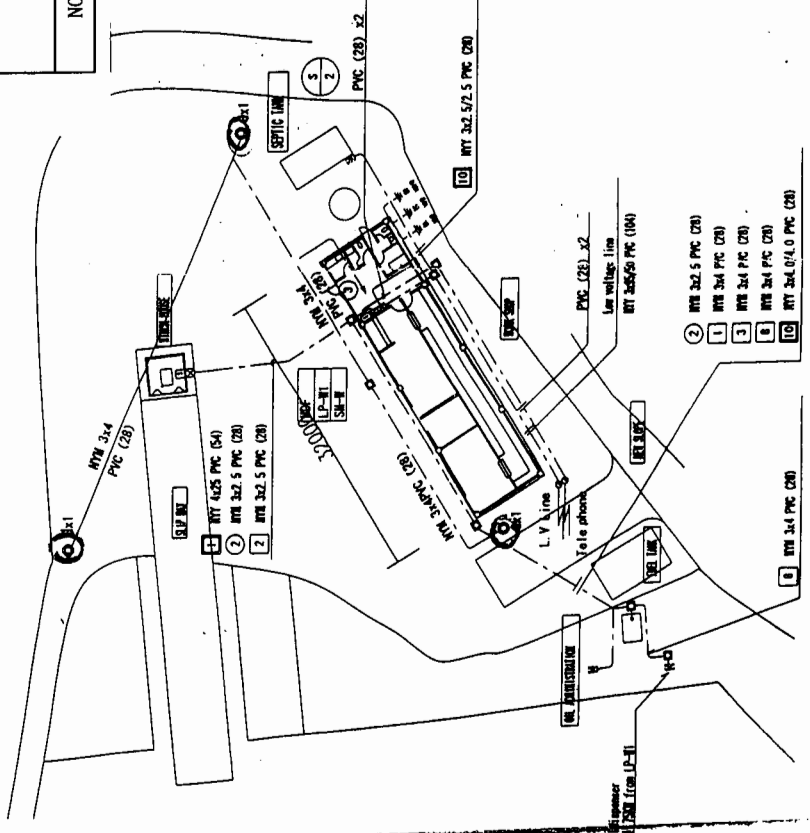
APPROVE BY: [Signature]

Lighting panel Load schedule

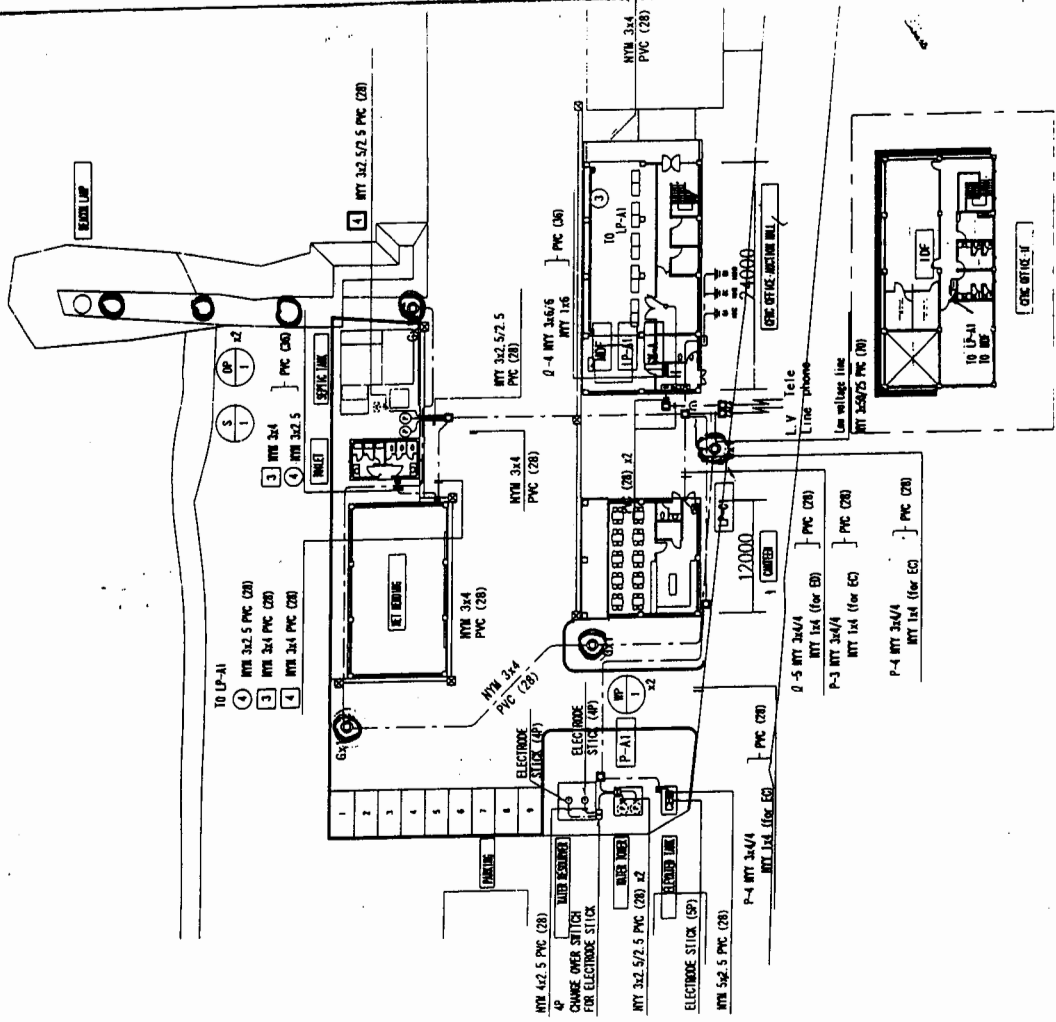
EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
As-Built Drawings	
NO.	B-013



KEY-PLAN 1/3000



WORKSHOP SIDE 1/400



OFFICE SIDE 1/400

○ - STREET LIGHT

CORREL. UNIT	OAFIC
PROJECT TITLE	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalla (Phase II)
SUBJECT	Improvement of Tangalla Fisheries Training Center
DRAWING TITLE	Main feeder, Motor circuit, Reception, Telephone system layout (Ground floor)
DATE	2001/02
SCALE	1/400
BY	
CHKD.	
APPROV. BY	

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)
PROJECT TITLE:	Rehabilitation of Tangalla Fishery Harbour Facilities
DRAWING TITLE:	As-Built Drawings
NO.	B-014

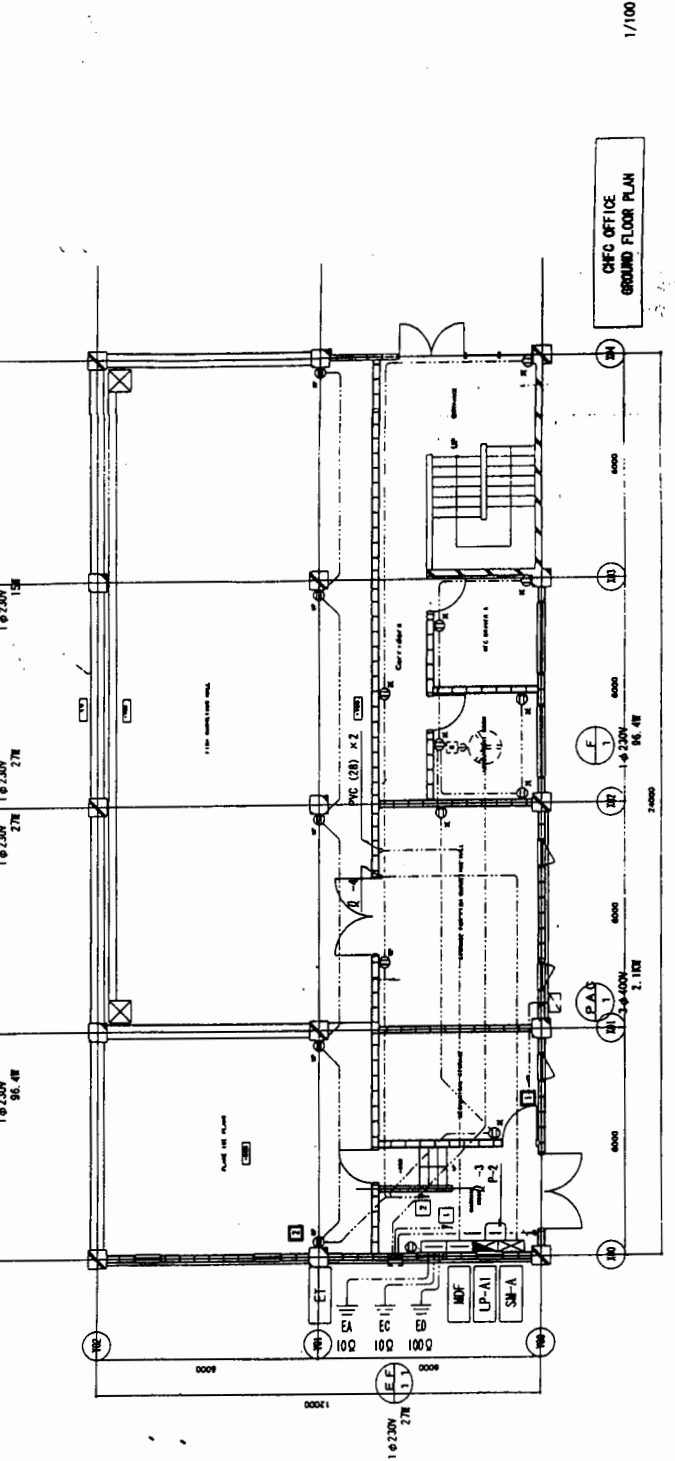
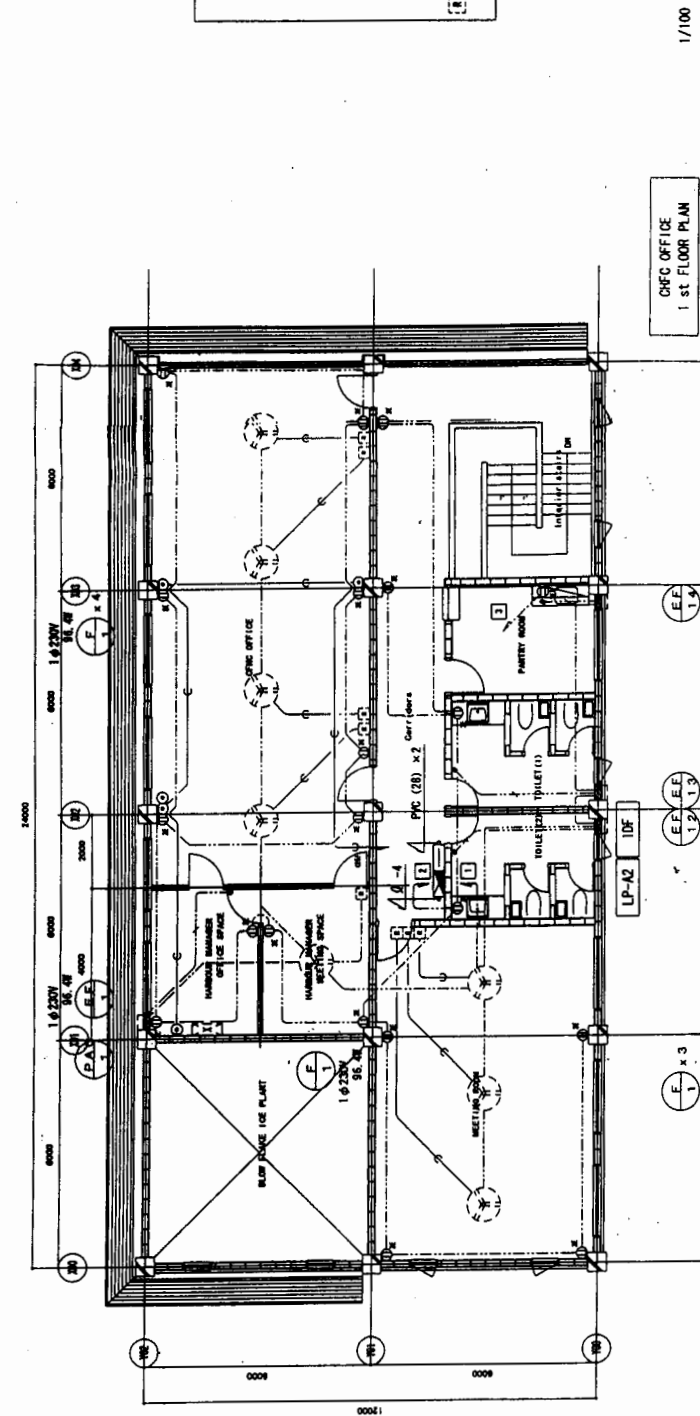
CONTRACT NO.:	OAFIC
PROJECT TITLE:	Project for Improvement of Fishery Harbor Facilities and Fisheries Training Center at Tangalle (Phase I)
DATE:	2001/02/10
SCALE:	1/100
BY:	
APPROVED BY:	

LEGEND

Wiring size
 --- NTH 2x4
 --- NTH 3x4
 --- NTH 4x4
 --- NTH 5x4
 --- PFC (28)

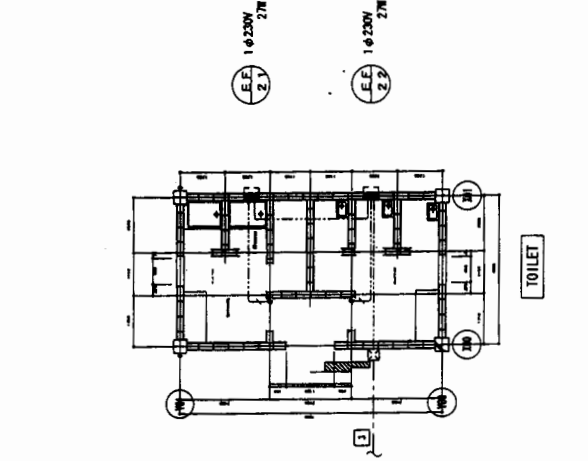
□ 3φ-400V
 □ 1φ-230V

⊞ Remote control switch
(Mechanical work)



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Rehabilitation of Tangalle Fishery Harbour Facilities	
DRAWING TITLE: As-Built Drawings	
NO.	B-015

CONSULTANT: OAFIC OVERSEAS ASSOCIATES CONSULTANTS (PVT) LTD. Sri Lanka	PROJECT TITLE: Project for Improvement of Fishery Harbor Facilities and Fisheries Training Center at Tangalle (Phase II)
SUBJECT: Improvement of Tangalle Fishery Harbor Facilities	DRAWING TITLE: Main feeder, Motor circuit, Receptacles, Telephone system layout
DATE: 2000/07/10	SCALE: 1/1
BY: [Signature]	APPROVE: [Signature]



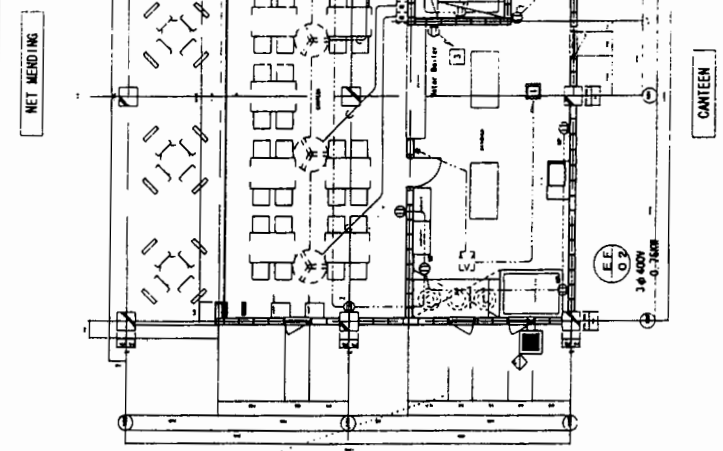
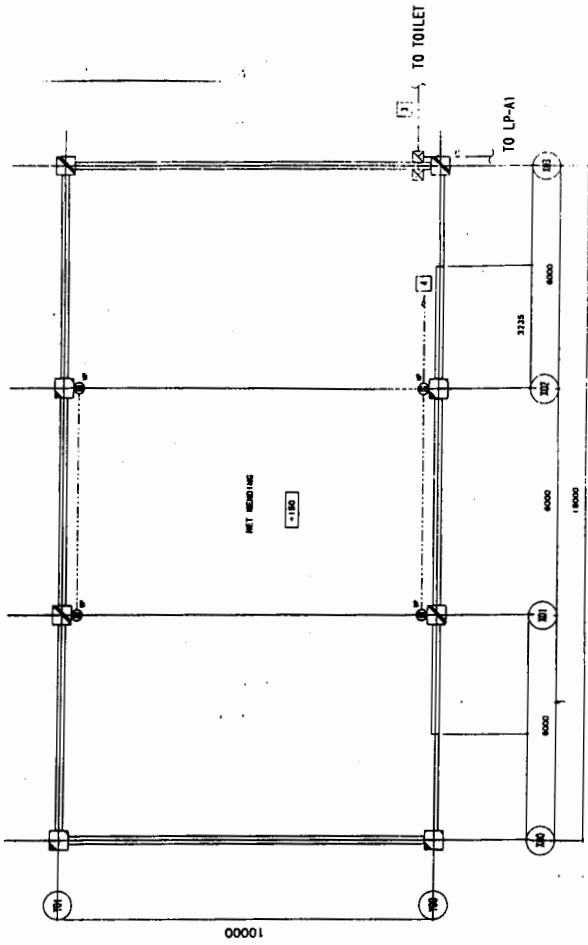
LEGEND

Wiring size

- NYM 2x4
- NYM 3x4
- NYM 4x4
- NYM 5x4
- PVC (28)

3 φ 400V
 1 φ 230V

Remote control switch
 (Mechanical work)



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalle Fishery Harbour Facilities	
DRAWING TITLE:	
As-Built Drawings	
NO.	B-016

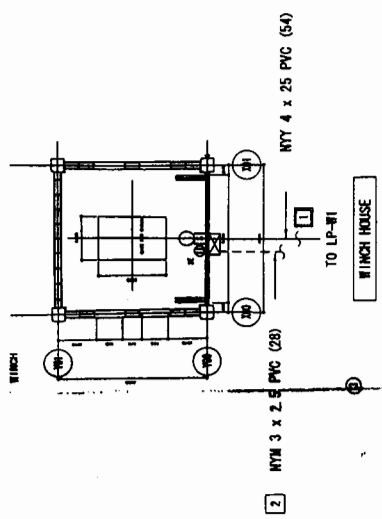
LEGEND

Wiring size

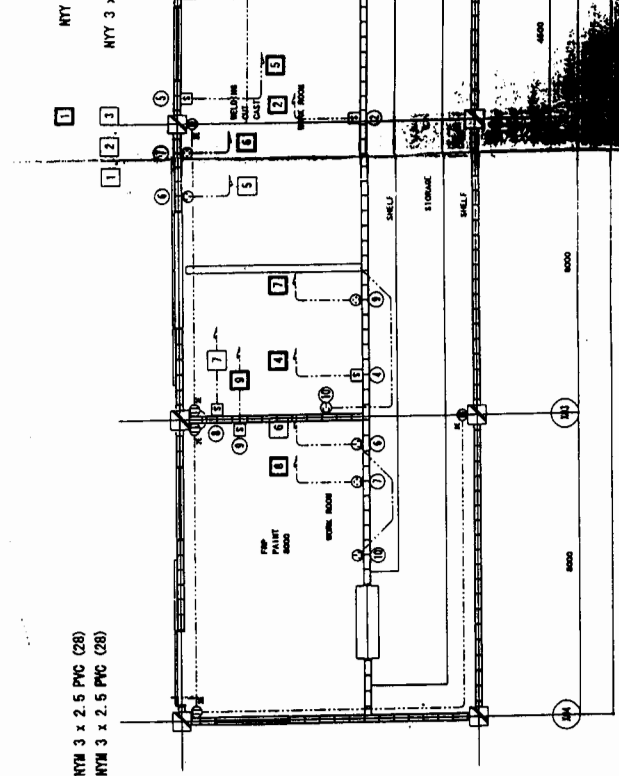
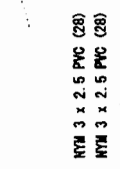
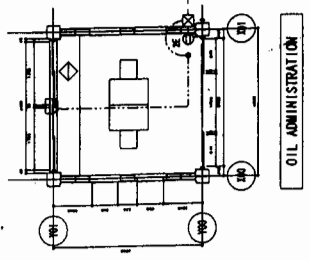
NTY 2x4
NTY 3x4
NTY 4x4
NTY 5x4
PVC (28)

□ 3φ 400V
□ 1φ 230V

⊠ Remote control switch (Mechanical work)



No	Load Name	Capacity	Operating Voltage	Rated current	Cable size or size of
1	Winch	3φ 400V	220V	225A/NT	NTY 4 x 50
2	Lights	3φ 400V	7.5W	50A/NT	NTY 4 x 4.0
3	Bench drill	3φ 400V	1.5W	50A/NT	NTY 4 x 2.5
4	Winding machine	3φ 400V	1.5W	50A/NT	NTY 4 x 2.5
5	Electric grinder	3φ 400V	0.75W	50A/NT	NTY 4 x 2.5
6	Dish grinder	1φ 230V	1.05W	Socket	NTY 3 x 2.5
7	Electric cutter	3φ 400V	3.7W	Socket	NTY 4 x 2.5
8	Electric welding equipment	1φ 230V	28W/VA	225A/NT	NTY 3 x 50
9	Air compressor	3φ 400V	2.2W	50A/NT	NTY 4 x 2.5
10	Battery charger	1φ 230V	1.1W	Socket	NTY 3 x 2.5



CONSULTANT:	OAFIC
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Centre at Tangalle (Scheme II)
SUBJECT:	Improvement of Tangalle Fishery Harbour Facilities
DATE:	NOV/87
SCALE:	1/10
BY:	
CHECKED BY:	
APPROVED BY:	

E-008

EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY: Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE: Rehabilitation of Tangalle Fishery Harbour Facilities	
DRAWING TITLE: As-Built Drawings	
NO.	B-017

CONSULTANT: OAFIC	APPROVED BY: [Signature]
PROJECT TITLE: Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalle (Phase II)	DATE: 2008/11/17
SUBJECT: Improvement of Tangalle Fishery Harbour Facilities	SCALE: 1/100
DRAWING TITLE: Lighting Fixture Layout (CFHC office, Auction hall 1)	NO. 10
	DATE: 2008/11/17
	BY: [Signature]
	APPROVE BY: [Signature]
	E-009

A FL40W x2 Salt proof	B FL40W x2 Water & Salt proof	C FL20W x2 Salt proof
D FL40W x2 Salt proof (triangle reflector)	D1 FL40W x2 Water & Salt proof (triangle reflector)	E FL40W x2 Salt proof (non-serrated)
F FL20W x1 Water & Salt proof	G HF250W x1 Water & Salt proof (pole height 5.5m)	H FL20W x2 Salt proof (triangle reflector)
I FL40W x2 Salt proof (triangle reflector)		

LEGEND) Wiring Size

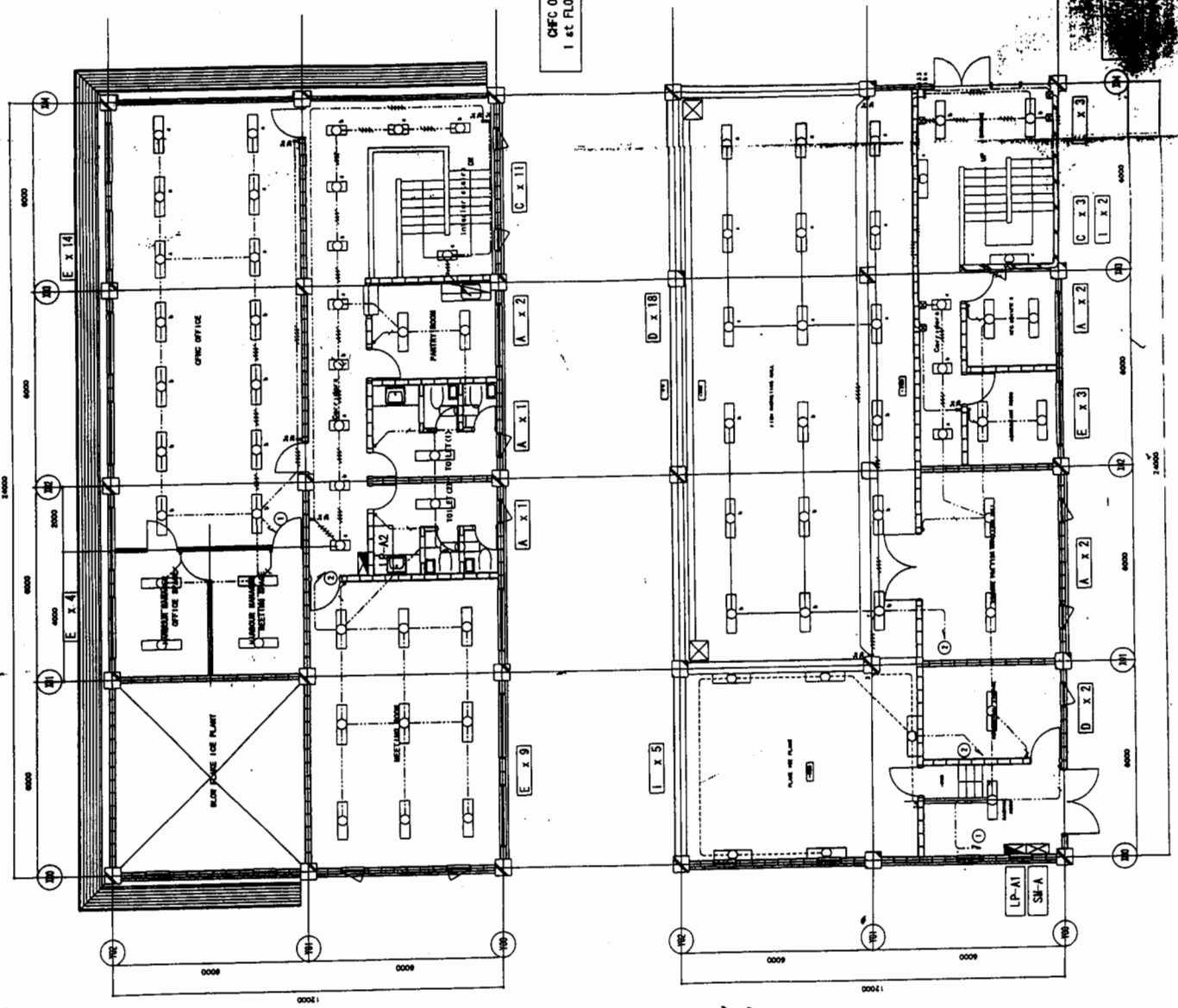
- NYM 2x2.5
- NYM 3x2.5
- NYM 4x2.5
- NYM 5x2.5
- NYM (3x2.5) x2
- NYM 2x2.5 PVC(25)
- NYM 3x2.5 PVC(25)
- NYM 4x2.5 PVC(25)
- NYM 5x2.5 PVC(25)
- NYM (3x2.5) PVC(25) x2

1/100

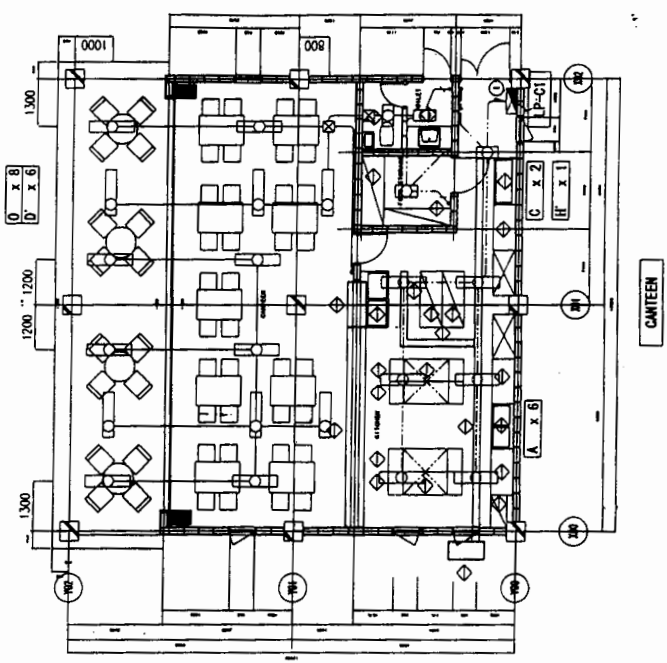
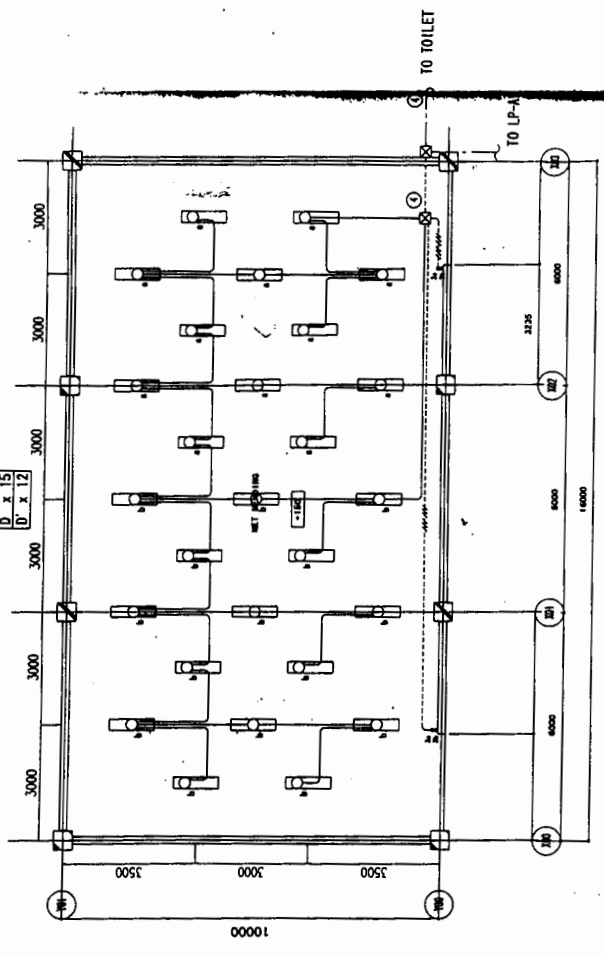
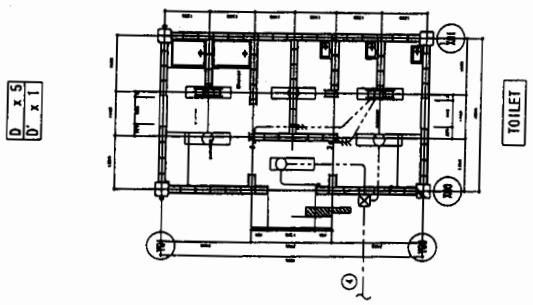
1/100

CFHC OFFICE
1st FLOOR PLAN

OFFICE
1st FLOOR PLAN



EMPLOYER:	
TENDER REF. NO.	
EXECUTING AGENCY:	
Ministry of Fisheries & Aquatic Resources Ceylon Fishery Harbour Corporation (CFHC)	
PROJECT TITLE:	
Rehabilitation of Tangalla Fishery Harbour Facilities	
DRAWING TITLE:	
As-Built Drawings	
NO.	B-018



LEGEND)

Wiring Size
NYM 2x2.5
NYM 3x2.5
NYM 4x2.5
NYM 5x2.5
NYM (3x2.5) x2
NYM 2x2.5 PNC(25)
NYM 3x2.5 PNC(25)
NYM 4x2.5 PNC(25)
NYM 5x2.5 PNC(25)
NYM (3x2.5) PNC(25) x2

CONSULTANT:	OAFIC
PROJECT TITLE:	Project for Improvement of Fishery Harbour Facilities and Fisheries Training Center at Tangalla (Phase II)
SUBJECT:	Improvement of Tangalla Fishery Harbour Facilities
DRAWING TITLE:	Lighting Fixture Layout (Canteen, Net mending Toilet)
DATE: 2001/02/	SCALE: 1/10
BY:	
BY:	
APPROVE BY:	