

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

PROCUREMENT OF CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING (PHASE II) FOR TACLOBAN AIRPORT DEVELOPMENT PROJECT

Government of the Republic of the Philippines

Bid No. 21-012-07 CHARLIE

**Sixth Edition
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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid



Invitation to Bid for

Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project Bid No. 21-012-07 CHARLIE

1. The Civil Aviation Authority of the Philippines through the GAA CY 2021 DOTr Downloaded Projects intends to apply the sum of **SIX HUNDRED NINETY MILLION FOUR HUNDRED TWELVE THOUSAND TWO HUNDRED SEVENTY SEVEN PESOS AND 70/100 (PHP690,412,277.70)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project (Bid No. 21-012-07 CHARLIE)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Civil Aviation Authority of the Philippines now invites bids for the above Procurement Project.

Prospective Bidders should possess the following:

Technical Personnel	One (1) Project Manager One (1) Project (Civil) Engineer One (1) Material Engineer One (1) Electrical Engineer One (1) Mechanical Engineer One (1) Civil Engineer One (1) Architect One (1) Sanitary Engineer One (1) Surveyor One (1) Safety Officer One (1) Nurse One (1) Construction Foreman One (1) Safety and Health Officer
Equipment	One (1) Unit Crane, Hydraulic, 61 - 70 tonnes, 280 hp., All Models One (1) Unit Crane w/ Bucket Hydraulic, 36 - 40 tonnes, 238 hp., All Models One (1) Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes One (1) Unit Hydraulic Excavator/Backhoe, W.M., 0.92 cu.m., 130 hp. One (1) Unit Hammer, Pile w/o Crane, w/60ft. Lead, Delmag D46-13 Four (4) Units Transit Mixer, 8.0 - 10.0 cu.yd., 290 hp., Japan & other makes Four (4) Units Dump Truck, 9 - 11.99 cu.yd., 275 hp. All Models One (1) Unit Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes One (1) Unit Pneumatic Roller (Self-Propelled), 15tonnes, 160 hp, 13-WHL-750x15, 4PR One (1) Unit Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models

	One (1) Unit Pumpcrete, 60 cu.yd. (45.87m ³), 180hp, Putmeister One (1) Unit Trailer with Tractor, Low Bed, 30T cap
PCAB License	<i>Large B – License Category AAA</i> <i>(Building and Industrial Plant)</i>

Completion of the Works is required **Four Hundred Twenty (420) Calendar Days (inclusive of thirty (30) rainy/unworkable Days)**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from BAC Office, CAAP Compound, MIA Road corner Ninoy Aquino Avenue, 1300 Pasay City, Metro Manila on **July 02, 2021 until deadline of submission of bid** and inspect the Bidding Documents at the address given below from 08:00 AM to 05:00 PM from MONDAY to FRIDAY.
5. A complete set of Bidding Documents may be acquired by interested bidders on **July 02, 2021 until deadline of submission of bid** from given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php 84,000.00 (inclusive of 12% VAT)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees by presenting the official receipt in person.
6. The Civil Aviation Authority of the Philippines will hold a Pre-Bid Conference¹ on **July 09, 2021 @ 2:00PM** at CAAP Conference Room, CAAP Compound, MIA Road Ninoy Aquino Avenue, 1300 Pasay City, Metro and/or through videoconferencing/webcasting via Jitsi/Zoom/Google Meet, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the address below on or before **July 23, 2021 @ 2:00PM** at BAC Office, CAAP Compound, MIA Road corner Ninoy Aquino Avenue, 1300 Pasay City, Metro Manila. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. Bid opening shall be on **July 23, 2021 @ 2:00PM** at the given address below and/or through Jitsi/Zoom/Google Meet. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.
10. The Civil Aviation Authority of the Philippines reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

11. For further information, please refer to:

DR. ROLLY T. BAYABAN, M.D.

Head, BAC Secretariat

Civil Aviation Authority of the Philippines

MIA Road corner Ninoy Aquino Avenue

1300 Pasay City, Metro Manila

Telephone number – (02) 944-2358

www.caap.gov.ph

12. Bidding Documents may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

June 29, 2021

CAPTAIN DONALDO A. MENDOZA

Chairperson, BAC – Charlie

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Civil Aviation Authority of the Philippines invites Bids for the **Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project**, with Project Identification Number: **Bid No. 21-012-07 CHARLIE**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for GAA CY 2021 DOTr Downloaded Projects in the amount of **SIX HUNDRED NINETY MILLION FOUR HUNDRED TWELVE THOUSAND TWO HUNDRED SEVENTY-SEVEN PESOS AND 70/100 (PHP690,412,277.70)**

2.2. The source of funding is:

- a. GOCC and GFIs, the Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding , state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

- 7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

- 7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section X. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of

the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section X. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*
 - a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

- 15.2. The Bid and bid security shall be valid until *[indicate date]*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

18. Opening and Preliminary Examination of Bids

- 18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
3.0	Certificate of Site Inspection (<i>Annex “B” Form 1</i>) duly signed by Mr. Deorico G. Ellema, Jr., Airport Manager of Tacloban Airport or his duly authorized representative, is required to be submitted. This shall include all of the following documents as attachment to the Certificate of Site Inspection and shall form part of the bidder’s technical documents: a) Copy of company ID of the person who conducted the site inspection; b) Copy of the airport/facility visitor’s logbook; & c) Picture of the proposed site including the personnel who conducted the site inspection together with the Airport Manager/Officer in Charge or his duly authorized representative. Bids not complying with the above instruction shall be disqualified.
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: “Building Construction/Improvement/ Rehabilitation/ Repair”
7.1	Subcontracting is not allowed.
10.1	Bidder shall submit all eligibility and technical documents as specified in Section X. Checklist of Technical and Financial Documents: Class “A” Documents <u>Legal Documents</u> a. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages); or b. Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document; and c. Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and d. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); and <i>In connection to GPPB Circular 07-2017 dated 31 July 2017, the bidder shall have the following options:</i> 1. <i>Submit the Certificate of PhilGEPS Registration and Platinum Membership including its Annex “A” in lieu of the uploaded Class “A” Eligibility Documents identified in Section 8.5.2 of the Revised</i>

Implementing Rules and Regulations of Republic Act 9184 (Revised IRR of RA 9184), provided that all Class “A” Eligibility Documents listed under the aforesaid Annex “A” are all uploaded and maintained current and updated in the PhilGEPS Registry.

2. *Submit a combination of the PhilGEPS Registration and Platinum Membership including its Annex “A” and Class “A” Eligibility Documents identified in Section 8.5.2 of the Revised IRR of RA 9184.*
 - *In the event that aforesaid Class “A” Eligibility Document(s) listed in the Annex “A” of the PhilGEPS Registration and Platinum Membership is/are reflected to be outdated, the bidder shall submit such current and updated Class “A” Eligibility Document(s).*
3. *Submit all the Class “A” Eligibility Documents only, provided that the PhilGEPS Registration and Platinum Membership shall be submitted as a Post-Qualification requirement in accordance with Section 34.2 of the Revised IRR of RA 9184.*

Technical Documents

- e. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid. (*Annex “A” Form 1*); and
- f. Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules. (*Annex “A” Form 2*); and
- g. Philippine Contractors Accreditation Board (PCAB) License; or Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and Joint Resolution (*Annex “A” Form 3*); and
- h. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration (*Annex “B” Form 2*); and
- i. Project Requirements, which shall include the following:
 1. Organizational chart for the contract to be bid (*Annex “B” Form 3*); and
 2. List of contractor’s key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (*Annex “B” Form 4, 5a, 5b & 5c*); and

	3. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be (<i>Annex "B" Form 6</i>); and j. Original duly signed Omnibus Sworn Statement (OSS) (<i>Annex "B" Form 7</i>); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder; and This shall include all of the following documents as attachment to the Omnibus Sworn Statement: 1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as prescribe under the 2016 Revised Implementing Rules and Regulation (R-IRR) of RA No. 9184; and 2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; and 3. Bid Bulletins (if applicable); and k. Certificate of Site Inspection (<i>Annex "B" Form 1</i>) duly signed by Mr. Deorico G. Ellema, Jr., Airport Manager of Tacloban Airport or his duly authorized representative; and This shall include all of the following documents as attachment to the Certificate of Site Inspection: 1. Copy of company ID of the person who conducted the site inspection; and 2. Copy of the airport/facility visitor's logbook; and 3. Picture of the proposed site including the personnel who conducted the site inspection together with the Airport Manager/Officer in Charge or his duly authorized representative; and <u>Financial Documents</u> 1. The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; and
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	m. The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC). Class “B” Documents n. If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence; or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful. Applicable CAAP BAC Standard Forms included in this PBD shall be complied in accordance with the prescribed forms under Section IX Bidding Forms – Annexes “A” & “B”. Bids not complying with the above instruction shall be disqualified.																		
10.3	Valid PCAB License or Special PCAB License in case of Joint Ventures, and Registration (<i>Large B – License Category AAA – Building and Industrial Plant</i>) for the type and cost of the contract to be bid. Bids not complying with the above instruction shall be disqualified.																		
10.4	The key personnel must meet the required minimum years of experience set below: <table><tr><td><u>Key Personnel</u></td><td><u>General Experience</u></td><td><u>Relevant Experience</u></td></tr><tr><td>Project Manager</td><td rowspan="13">Five (5) years in General Engineering</td><td rowspan="13">Three (3) years in Building or Industrial Plant</td></tr><tr><td>Project (Civil) Engineer</td></tr><tr><td>Material Engineer</td></tr><tr><td>Electrical Engineer</td></tr><tr><td>Mechanical Engineer</td></tr><tr><td>Civil Engineer</td></tr><tr><td>Architect</td></tr><tr><td>Sanitary Engineer</td></tr><tr><td>Surveyor</td></tr><tr><td>Safety Officer</td></tr><tr><td>Nurse</td></tr><tr><td>Construction Foreman</td></tr><tr><td>Safety and Health Officer</td></tr></table> Bids not complying with the above instruction shall be disqualified.	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Manager	Five (5) years in General Engineering	Three (3) years in Building or Industrial Plant	Project (Civil) Engineer	Material Engineer	Electrical Engineer	Mechanical Engineer	Civil Engineer	Architect	Sanitary Engineer	Surveyor	Safety Officer	Nurse	Construction Foreman	Safety and Health Officer
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Civil Engineer																			
Architect																			
Sanitary Engineer																			
Surveyor																			
Safety Officer																			
Nurse																			
Construction Foreman																			
Safety and Health Officer																			
10.5	The minimum major equipment requirements are the following: One (1) Unit Crane, Hydraulic, 46 - 50 tonnes, 246 hp., All Models One (1) Unit Crane w/ Bucket Hydraulic, 36 - 40 tonnes, 238 hp., All Models One (1) Unit Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes Two (2) Unit Hydraulic Excavator/Backhoe, W.M., 0.92 cu.m., 130 hp. One (1) Unit Hammer, Pile w/o Crane, w/60ft. Lead, Delmag D46-13 Four (4) Units Transit Mixer, 8.0 - 10.0 cu.yd., 290 hp., Four (4) Units Dump Truck, 9 - 11.99 cu.yd., 275 hp. All Models One (1) Unit Water Truck w/ water pump, 16,000 liters, 360.0 hp.																		

	One (1) Unit Pneumatic Roller (Self-Propelled), 15tonnes, 160 hp Two (2) Units Wheel Loader, 2.29 cu.m., 150.0 hp. Komatsu One (1) Unit Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT One (1) Unit Trailer with Tractor, Low Bed, 30T cap One (1) Unit Pumpcrete, 60 cu.yd. (45.87m³), 180hp Bids not complying with the above instruction shall be disqualified.
11.1.	The discounts stated in the Financial Bid Form shall be computer written with the same font style and size as of the whole text of the said Form. Discounts that are either handwritten, type written or computer written in other font style and size shall not be considered. The second bid envelope shall contain the financial documents for the Bid as specified in Section X. Checklist of Technical and Financial Documents. This shall include the complete accomplishment of all of the following documents as stated and required under Section VIII of this PBD and shall form part of the bidder's financial documents: a) Original of duly signed and accomplished Financial Bid Form; and b) Bill of Quantities (BOQ) (<i>Annex "C" Form 1</i>); and c) Detailed Breakdown of Component of Each Item (<i>Annex "C" Form 2</i>); and d) Detailed Unit Price Analysis (DUPA) (<i>Annex "C" Form 3</i>); and e) Summary Sheet indicating the Unit Prices of Construction Materials, Labor Rates, and Equipment Rentals used in coming up with the Bid (<i>Annex "C" Form 4, 5 & 6</i>); and f) Cash Flow by Quarter and Payment Schedule (<i>Annex "C" Form 7</i>) Modifications and/or alterations on the stated requirements in the financial document forms (BOQ, Detailed Breakdown of Component of Each Item & DUPA) shall not be allowed. Applicable CAAP BAC Standard Forms included in this PBD shall be complied in accordance with the prescribed forms under Section IX Bidding Forms – Annex "C". Bids not complying with the above instruction shall be disqualified.
11.2	Bid exceeding the ABC of the project shall be disqualified.
12	No further instructions.
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;

	b. The amount of not less than five percent (5%) of ABC if bid security is in Surety Bond.
16	1. Each and every page thereof shall be initialed/signed by the duly authorized representative/s of the Bidder. Submitted Eligibility, Technical and Financial documents shall be properly marked with index tabs (ear tab) and must be sequentially paginated in accurate order in the form i.e. “page 3 of 100”. Page number of last page of the document (per envelope basis). Pagination should be sequential based on the entire span of the whole documents inside the envelope. Bids not complying with the above instructions shall be automatically disqualified. 2. Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid.
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	The Bidder with the Lowest Calculated Bid (LCB) that complies with and is responsive to all the requirements and conditions shall submit its a) Latest income and business tax returns filed through the Electronic Filing and Payment System (EFPS); b) Business licenses and permits required by law (Registration Certificate, Mayor’s Permit, Tax Clearance & PCAB License); c) Latest Audited Financial Statements; and d) Key personnel licenses Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the bidder for award. Provided, that in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the Bid Security in accordance with Section 69 of the IRR of RA 9184.
21	The following relevant project documents are required to be submitted by the successful bidder who submitted the LCRB as part of the Contract Agreement during its signing: a) Construction schedule b) Bar Chart & S-curve c) PERT/CPM Network Diagram d) Manpower schedule e) Construction methods f) Equipment utilization schedule Construction safety & health programs approved by the Department of Labor & Employment (Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project)

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **SCC** supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the **SCC**, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the

Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.

11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the **SCC**.

15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	Not applicable.
3.1	The CIVIL AVIATION AUTHORITY OF THE PHILIPPINES shall give possession of all parts of the Site to the Contractor upon receipt of the Notice to Proceed.
6	None.
7.2	In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures: Fifteen (15) years.
10	No dayworks are applicable to the contract.
11.1	Not applicable
11.2	Not applicable
13	The amount of the advance payment shall not exceed 15% of the total contract price. However, as per Department of Transportation (DOTr) Policy, Procuring Entity will not give advance payment to contractors.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is upon completion of the project The date by which “as built” drawings are required is upon completion of the project. PDF/AutoCAD File of the “as built” plans shall include as attachment to the required hard copy of the same upon completion of the project.
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is two percent (2.00%) of the Contract price.

Section VI. Specifications and Scope of Work



Name of Project	:	Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project
Location	:	San Jose, Tacloban City
Duration	:	Four Hundred Twenty (420) Calendar Days (inclusive of thirty (30) rainy/unworkable Days)
Source of Funds	:	GAA CY 2021 DOTr Downloaded Projects

SCOPE OF WORK

The project covers the supply of labor, materials, mobilization/demobilization, tools/equipment's, and construction related permits necessary for **CONSTRUCTION OF PASSENGER TERMINAL BUILDING PHASE II – TACLOBAN AIRPORT DEVELOPMENT PROJECT** with the following scope of works which shall be done in accordance with the approved plans, specifications and provision of contract.

The details of work are at best enumerated below, but be noted that the Contract includes all works and services although not specifically mentioned herein, but are needed to fully complete the Project:

SCOPE OF WORKS

SPL-1 Mobilization/Demobilization

This work includes mobilization and demobilization of the contractor's personnel and equipment necessary for performing the work required under the contract.

- a. Mobilization shall include all activities and associated costs for transportation of contractor's personnel, equipment, and establishment of offices, and other necessary facilities for the contractor's operations at the site.
- b. Demobilization shall include the disassembly of offices and other facilities on the site, as well as the removal and hauling of debris and rubbish materials.

SECTION SERIES 1000: General Requirements

SECTION 1120: Employers and Engineering Facilities

- 1.1 Provision of Field Office for the Employer and Engineers including Laboratory and Staff House with Electric Power and Water Supply (Minimum area of 250 sq.m.)
On Rental Basis = 14.00 Mos.
- 1.2 Provision of Furnitures/Fixture, Equipment & Appliances for the Field Office of The Engineer = 1.00 l.s.
- 1.3 Operation and Maintenance of Field Office for the Engineer = 14 Mos.
- 1.4 Provide and Maintenance Communication Equipment for the Engineer = 14.00 Mos.
- 1.5 Project Sign Board = 2.00 each

SECTION 1130: Environmental Management and Monitoring

- 1.1 Environmental Monitoring and Laboratory Testing = 6.00 Mos.

SECTION 1165: Contractor Submission

- 1.1 Progress Photograph = 14.00 Mos.

SECTION 1210: Project Equipment

- 1.1 Service Vehicle for the Engineer, Provide (2 Units) Brand new Pick-up 4x2 Diesel Powered including operation and Maintenance = 14 Mos.
- 1.2 Surveying Instruments = 1.00 l.s.

SECTION SERIES 2000: CIVIL WORKS (ROADS, BRIDGE AND PARKING AREAS)

The work includes all materials, equipment and labor for all civil works as indicated on the approved plans and specifications. Survey works must be conducted **prior** and throughout the completion of civil works.

The following are the items included in this series;

SECTION 2000: Earthworks

2110 Clearing and Grubbing = 4.06 Has.

2140.2 Embankment from Borrow = 33,920.00 cu.m.

2150 Subgrade Preparation = 27,075.00 sq.m.

SECTION 2200: Pavement Works

2210 Granular Subbase Course = 5,130.05 cu.m.

2880(2) Portland Cement Concrete Pavement, 250 mm thick = 5,950.00 sq.m.

2880(1) Portland Cement Concrete Pavement, 200 mm thick = 15,426.00 sq.m.

2990 Reflectorized Pavement Marking = 350.00 sq.m.

SECTION 2300: Drainage Works

2310 (1) RCPC 610 mm = 691.00 l.m

2310 (2) RCPC 760 mm = 86.00 l.m.

2310 (3) RCPC 910 mm = 596.00 l.m.

2310 (4) RCPC 1070 mm = 268.00 l.m.

2310 (5) RCPC 1220 mm = 380.00 l.m.

2310 (6) Pipe Culvert and Drainage Excavation = 1,013.00 cu.m.

2320(1) Curb Inlet Manhole = 51.00 each

2320 (2) Drainage Manhole = 10.00 each

2320 (3) Surface Inlet Manhole with Steel Grating = 2.00 each

2320 (4) Catch Basin (2.00m x 4.000m x 1.50m) = 1.00 each

2320 (5) Drainage Outfall Headwall & Wingwalls = 1.00 each

SECTION 2400: Miscellaneous Works

2410 (1) Curb and Gutter = 1,416.00 l.m.

2410 (2) Curb = 2758 l.m.

2410 (3) Walkways (100mm thick) = 5,969.00 sq.m.

2413 Grouted Riprap = 334.00 sq.m.

SECTION 1400: Concrete Works Structures

MAIN BRIDGE

The work includes all materials, labor and equipment/tools for the construction of all concrete works including formworks and installation of reinforced steel bar for column footings, columns, beams, slab on grade, wall footings, and all structural members as specified on the approved plans. Materials to be used, its workmanship and all necessary material testing must be submitted and approved by the Project In-Charge assigned by CAAP.

4220 In Situ Concrete

1.1 Concrete, 30 Mpa, Footings = 1,323.00.00 cu.m.

1.2 Concrete, 30 Mpa, Coping Beam = 11.75 cu.m.

1.3 Concrete, 30 Mpa, Columns = 27.25 cu.m.

1.4 Concrete, 30 Mpa, Girders = 60.00 cu.m.

1.5 Concrete, 30 Mpa, Slab = 213.15 cu.m.

4220 Steel Reinforcement

2.1.1 Reinforcing Bars, Grade 40, Footing = 7,647.00 kgs.

2.1.2 Reinforcing Bars, Grade 60, Suspended Slab = 78,578.00 kgs.

2.2 Reinforcing Bars, Grade 60, Coping Beam s = 3,791.00 kgs.

2.3 Reinforcing Bars, Grade 60, Columns = 13,188 kgs.

2.4 Reinforcing Bars, Grade 60, Girders = 21,999.00 kgs..

2.5.1 Reinforcing Bars, Grade 40, Slab= 15,111.00 kgs.

2.5.2 Reinforcing Bars, Grade 60, Slab = 41,131.00 kgs.

NORTH AND SOUTH RAMP

4220 In Situ Concrete

- 1.1 Concrete, 30 Mpa, Footings = 348.42 cu.m.
- 1.2 Concrete, 30 Mpa, Coping Beam = 70.20 cu.m.
- 1.3 Concrete, 30 Mpa, Columns = 76.20 cu.m.
- 1.4 Concrete, 30 Mpa, Girders = 17.72 cu.m.
- 1.5 Concrete, 30 Mpa, Slab = 213.11 cu.m.
- 1.6 Concrete, 30 Mpa, Diaphragm = 10.20 cu.m.
- 1.7 Concrete, 30 Mpa, Shear Block = 2.88 cu.m.
- 1.8 Concrete, 30 Mpa, Wing Wall = 41.40 cu.m.
- 1.9 Concrete, 30 Mpa, Approach Slab = 26.02 cu.m.

4220 Steel Reinforcement

- 2.1.1 Reinforcing Bars, Grade 40, Footing = 2,250.00 kgs.
- 2.1.2 Reinforcing Bars, Grade 60, Footing = 29,227.00 kgs.
- 2.2 Reinforcing Bars, Grade 60, Coping Beams = 23,700.00 kgs.
- 2.3 Reinforcing Bars, Grade 60, Columns = 16,881 kgs.
- 2.4 Reinforcing Bars, Grade 60, Girders = 30,554.00 kgs.
- 2.5.1 Reinforcing Bars, Grade 40, Slab = 6,336.00 kgs.
- 2.5.2 Reinforcing Bars, Grade 60, Slab = 11,493.00 kgs..
- 2.6.1 Reinforcing Bars, Grade 40, Diaphragm = 85.00 kgs.
- 2.6.2 Reinforcing Bars, Grade 60, Diaphragm = 170.00 kgs.
- 2.7 Reinforcing Bars, Grade 40, Shear Block = 1,089.00 kgs.
- 2.8.1 Reinforcing Bars, Grade 40, Wing Wall = 544.00 kgs..
- 2.8.2 Reinforcing Bars, Grade 60, Wing Wall = 23,229.00 kgs.

2.9 Reinforcing Bars, Grade 60, Approach Slab= 4,599.00 kgs.

Pile Driving Works

The work includes all materials, labor and equipment/tools needed for the completion of pile driving works of precast concrete piles as indicated on the approved plans and specifications. Survey works and all necessary material testing including Non-destructive Pile Integrity Test must be conducted prior and throughout the completion of pile driving works under the supervision and approval of the Project-in- Charge. Materials to be used and its workmanship must be approved by the Project In-Charge assigned by CAAP

This item includes fabrication of piles and pile driving works;

2600 Precast Concrete Piles for Main Bridge

1.1 400mm x400 mm Precast Concrete Piles, Furnished = 8,208.00 l.m.

1.2 400mm x400 mm Precast Concrete Piles, Driven = 8,208.00 l.m.

2600.1 Precast Concrete Piles for North and South Ramp

1.3 400mm x400 mm Precast Concrete Piles, Furnished = 4,636.00 l.m.

1.4 400mm x400 mm Precast Concrete Piles, Driven = 4,636.00 l.m.

4220.3 Formworks/Finishings = 1.00 lot

SECTION 4230: Structural Steel Works

The work includes all materials, equipment and labor for structural steel works and shall include the following;

4230 Structural Steel works including accessories to complete the works

1.1 Structural Steel, A50, for Main Bridge = 98,800.00 kgs.

SECTION SERIES 3000: Utilities

The work includes all materials, equipment and labor for utility works and shall include the

following;

SECTION 3100: Water Supply Pipe Line

3.1.1 PVC Pipe 50 mm dia. = 300.00 l.m

3.1.2 PVC Pipe 65 mm dia. = 250.00 l.m.

3.1.3 PVC Elbow 50 mm dia. = 5.00 pcs.

3.1.4 PVC Elbow 65 mm dia. = 5.00 pcs.

3.1.5 PVC Tee 50 mm dia. = 6.00 pcs.

3.1.6 Gate Valve 50 mm dia. = 4.00 pcs

3.1.7 Gate Valve 65 mm dia. = 2.00 pcs

3.1.8 Check Valve 65 mm dia. = 1.00 pcs

3.1.9 63 mm dia. Bulk Meter = 1.00 pcs

SECTION 3130: Water Storage

3130.1 Elevated Water Bolted Tank (Capacity = 80,000 Gal.) including Pump and accessories to complete the works = 1.00 lot

SECTION 3200: Power Supply System

3.2.1 Power Trnasformer, Padmount, Oil Filled, 3ø-2500KV A 13.8/14.4Kv Primary Voltage = 1.00 Assy

3.2.2 Low Voltage Switch Gear : MAIN : 2- 4pP4000AT/AF 120KAIC Auto Switching (Compartment 1 & 2), Branches 2-4P1400AT/AF 65KAIC (COMPARTMENTS 3&4); 1-4P1200AT/1400AF 65KAIC (COMPARTMENT 5);1-4P1200AT/1400AF 65KAIC (COMPARTMENT 5);1-4P400AT/1400AF 65KAIC (COMPARTMENT 6); NEMA 3R ENCLOSURE COMPLETE WITH METERINGS, INDICATOR LAMPS, GROUNDING BUS = 1.00 Assy

3.2.3 GENERATOR SET, 3ø-500KVA 400/230VOLTS, 60HERTZ, STANDBY DUTY, SILENT TYPE = 6.00 units

3.2.4 GENERATOR SYNCRONIZING PANEL FOR 6-500KVA 3PHASE 400/230VOLTS WYE 60HERTZ STANDBY-DUTY GENERATOR HOSTS = 1.00 Assy

3.2.5 PRIMARY METERING; 3SETS-POTENTIAL TRANSFORMERS 15KV/230V; 3SETS-MV CURRENT TRANSFORMERS; 3Ø DEMAND METER & OTHERS = 1.00 lot

3.2.6 MV CONCRETE PEDESTAL SERVICE ENTRY; 13.8KV, 3Ø WITH 4-100MM DIA PVC & OTHERS= 1.00 lot

1.1.6 50 mm² THHN = 1,310.00 l.m.

SECTION 3300: Sewage Treatment System

3.3.1 Waste Water Treament Plant (Capacity 200 cm/day)including Civil works, Electrical works, Mechanical works, and accessories to complete the works = 1.00 lot

SECTION SERIES 4000: ARCHITECTURAL WORKS

The work includes all materials, equipment and labor for all architectural works as indicated on the approved plans and specifications.

SECTION 4330: Roofing, Cladding and Facades

The work includes all materials, labor, and tools/equipment needed to complete the roofing, cladding and façade works including fabrication, and installation as indicated on the approved plans. The Contractor must Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

The following are the items included in this series;

1.2.1 50MM X 150MM EXTRUDED ALUMINUM TIMBER BAFFLE ON WOODGRAIN COATING FINISHED WITH ARYCLIC EMULSION PAINT FINISHED WALL BACKING complete with necessary accessories/miscellaneous items. = 2,315.00 sq.m.

1.2.2 4MM THK ALUMINUM COMPOSITE PANEL WITH PVDF COATING ON STEEL FRAMING complete with necessary accessories/miscellaneous items. = 5,317.00 sq.m.

1.2.4 RECTANGULAR COLUMN CLADDING 2:COMBINATION 4MM THK ALUMINUM COMPOSITE PANEL AND FUSE METAL ACCENT ON STEEL FRAMING (SEE DETAILS) complete with necessary accessories/miscellaneous items. = 271.00 sq.m.

SECTION 4370: Finishes

Ceiling Finishes

The work includes the supply of labor, materials, tools and equipment needed to complete the ceiling finishes on areas included in the approved plans. The installation of finishes and other accessories must have the approval of the Project-in-Charge based on the approved plans prior to purchase and installation.

The following are the items included in this series;

1. (C1) 12MM THK FR GYPSUM BOARD ON STANDARD DOUBLE METAL FURRING FRAMING complete with necessary accessories/miscellaneous items. = 4,912.00 sq.m.
2. (C3) 600MM X 600MM X 15MM ACOUSTIC ROCKWOOL CEILING BOARD ON EXPOSED T-BAR SUSPENSION SYSTEM complete with necessary accessories/miscellaneous items. = 1,127.00 sq.m.
3. (C4) 50MM X 150MM EXTRUDED ALUMINUM TIMBER BAFFLE ON WOODGRAIN COATING FINISHED WITH ARYCLIC EMULSION PAINT FINISHED UNDERSLAB BACKING complete with necessary accessories/miscellaneous items. = 22,755.00 l.m.
4. (C5) UNDER SLAB IN ELASTOMERIC PAINT FINISHED complete with necessary accessories/miscellaneous items. = 9,701.00 sq.m.

5. (C6) SUSPENDED STEEL WIRE MESH CEILING PANEL W/ POLYESTER RESIN BAKED FINISHING, DIAMETER 5MM AT 80MM PITCH ON CENTER T-BAR complete with necessary accessories/miscellaneous items. = 260 sq.m.
6. (C7) METAL PANEL CEILING SYSTEM FINISHED ON PAINT FINISHED ROOF FRAMING BACKING, REFER TO MANUFACTURERS DETAIL complete with necessary accessories/miscellaneous items. = 2,856.00 sq.m.
7. (C8) 4mm thk ALUMINUM COMPOSITE PANEL ON STEEL FRAMING , REFER TO MANUFACTURERS DETAIL complete with necessary accessories/miscellaneous items. = 637.00 sq.m.
8. (C9) HARDIFLEX 12 mm complete with necessary accessories/miscellaneous items. = 330.00 sq.m.

SECTION 4380: MISCELLANEOUS / FITTINGS / FURNITURE

SECTION 4380.2 FIXTURES

2.5.1 FRAMELESS VANITY FACE MIRROR WITH LED STRIP COVE LIGHTING complete with necessary accessories/miscellaneous items. = 90.00 sets

2.5.2 FULL LENGTH FACE MIRROR TO BE FLUSH ON WALL, PROVIDE 1/2" THICK MARINE PLYWOOD BACKING complete with necessary accessories/miscellaneous items. = 14.00 sets

2.6.1 STAINLESS STEEL GRAB BAR complete with necessary accessories/miscellaneous items. = 6.00 sets

2.7.1 WALL MOUNTED BABY CHANGING STATION complete with necessary accessories/miscellaneous items. = 3.00 sets

SECTION 4380.3 FURNITURE

3.11 (IF-11) OFFICE FILE CABINET(VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 58.00 sets

3.12 (IF-12) SINGLE SOFA (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 3.00 sets

3.13 (IF-13) DOUBLE SOFA (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 22 sets

3.14 (IF-14) SIDE TABLE (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items = 7.00 sets

3.15 (IF-15) TABLE CONFIGURATION WITH 4 CHAIRS (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 6.00 sets

3.16 (IF-16) BUNK BED (VERIFY LOCATION ON FURNITURE LAYOUT) = 4.00 sets

3.17 (IF-17) OFFICE WAITING CHAIR (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 6.00 sets

3.18 (IF-18) EXAMINATION AREA FURNITURE (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 1.00 set

3.19 (TP) TAPE BARRIER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 232.00 sets

COUNTER SET

3.20 (CO-1) INDOOR COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 2.00 sets

3.21 (CO-2) OUTDOOR COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. =2.00 sets

3.22 (CO-3) CHECK-IN COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 22 sets

3.23 (CO-4) BOARDING COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 2 sets

3.24 (CO-5) CHARGING STATION (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)

CO-5A ARCH SHAPED CHARGING STATION

CO-5B CORNER CHARGING STATION complete with necessary accessories/miscellaneous items. = 4.00 sets

3.25 (CO-6) LOST & FOUND COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items. = 1.00 set

3.26 (PAN-1) CONCESSION PANTRY @ LOWER GROUND complete with necessary accessories/miscellaneous items.= 5.00 sets

3.27 (PAN-2) CIP PANTRY complete with necessary accessories/miscellaneous items. = 1.00 set

3.28 (PAN-3) SERVICE PANTRY complete with necessary accessories/miscellaneous items. = 1.00 set

3.29 (PAN-4) SERVICE PANTRY 2 complete with necessary accessories/miscellaneous items. = 2.00 sets

3.30 (CL) CLOSET @ BAGGAGE HANDLER QUARTERS complete with necessary accessories/miscellaneous items.= 10 sets

3.31 STEEL LOCKERS CABINET complete with necessary accessories/miscellaneous items.= 40 sets

SECTION SERIES 5000: MECHANICAL WORKS

SECTION 5100: SANITARY AND PLUMBING SYSTEM

4.00 Plumbing and Sanitary Fixtures including Accessories to complete the works

2.4.1 SENSOR FLUSH TYPE - WATER CLOSET complete with necessary accessories/miscellaneous items. = 57.00 sets

2.4.2 UNDER COUNTER TYPE LAVATORY WITH SENSOR TYPE FAUCET complete with necessary accessories/miscellaneous items.= 90 sets

2.4.3 SENSOR TYPE - URINAL complete with necessary accessories/miscellaneous items.= 27.00 sets

2.4.4 WALL MOUNTED TYPE LAVATORY complete with necessary accessories/miscellaneous items. = 15.00 sets

2.4.5 STAINLESS STEEL HAND DRYER complete with necessary accessories/miscellaneous items. = 14.00 sets

2.4.6 STAINLESS STEEL TISSUE HOLDER complete with necessary accessories/miscellaneous items.= 79 sets

2.4.7 WALL MOUNTED SOAP DISPENSER complete with necessary accessories/
miscellaneous items. = 105 sets

2.4.8 FLUSH TYPE - WATER CLOSET complete with necessary
accessories/miscellaneous items. = 36 sets

2.4.9 URINAL FLUSH TYPE complete with necessary accessories/miscellaneous
items. = 6 sets

2.4.10 SHOWER SET complete with necessary accessories/miscellaneous items. = 5
sets

**5.0 Pumps and Accessories (including civil works, electrical and mechanical works
to complete the works)**

5.1.1 Elavator Pit Sump Pump, 25 GPM, 40 FT, 1HP, 230V, 1P, 60Hz = 3.00 ea

5.1.2 Gate Valve 50mm diameter = 6.00 ea

5.1.3 Flexible Hose 50mm diameter = 12.00 l.m.

5.1.4 Check Valve 50mm diameter = 6.00 ea

5.1.5 Mechanical Clamp 50mm diameter = 6.00 ea

5.1.6 Escalator Pump, 25GPM, 40 FT, 1HP, 230V, 1P, 60Hz = 3.00 ea

5.1.7 Oil Interceptor, 100 GPM, 1750 RPM = 1 ea

SECTION 5200: VENTILATION AND AIR CONDITIONING SYSTEM

3.0 AIR CONDITIONING EQUIPMENT

AIR COOLED CHILLER (including Fitting, valves, thermometer and other accessories to complete the works)

3.1.1 ACC 01-03 158 TR = 3.00 units

AIR HANDLING UNITS (including Accessories to complete the works)

3.2.1 AHU - 01 55.3 TR Centrifugal DIDW = 1 unit

3.2.2 AHU - 02 78.4 TR Centrifugal DIDW = 1 unit

3.2.3 AHU - 03 65.4 TR Centrifugal DIDW = 1 unit

3.2.4 AHU - 04 54 TR Centrifugal DIDW = 1 unit

3.2.5 AHU - 05 62.9 TR Centrifugal DIDW = 1 unit

FAN COIL/ACCU UNITS

3.3.1 ACCU Roof Deck Capacity: 17.60Kw = 4 units

3.3.2 FCU GF Concession 1LG Capacity: 8.80Kw = 13 units

3.3.3 ACCU/2 Roof Deck Capacity: 70.20Kw = 1 unit

3.3.4 FCU/2 GF Lift Lobby Capacity: 24.60Kw = 1 unit

3.3.5 FCU/3 2F Escalator/ Lift Lobby Capacity: 10.00Kw = 3 units

3.3.6 FCU/4 2F Immigration Office Capacity: 7.20Kw = 1 unit

3.3.7 FCU 2F OTS Office Capacity: 5.20Kw = 2 units

3.3.8 ACCU/5 Roof Deck Capacity: 8.80Kw = 1 unit

3.3.9 ACCU/8 Roof Deck Capacity: 42.80Kw = 1 unit

3.3.10 FCU/13 GF Baggage Handler Capacity: 5.00Kw = 2 units

3.3.11 FCU/14 GF Maintenance & MRF Office Capacity: 8.00Kw = 2 units

SECOND FLOOR

- 3.3.12 ACCU/9 Roof Deck Capacity: 12.50Kw = 1 unit
- 3.3.13 FCU/15 2F Lost & Found Capacity: 5.40Kw = 4 units
- 3.3.14 FCU/16 2F Costume Office Capacity: 7.50Kw = 1 unit
- 3.3.15 ACCU/10 Roof Deck Capacity: 11.20Kw = 7 units
- 3.3.16 FCU/17 2F Concession 1 Capacity: 11.20Kw = 6 units
- 3.3.17 ACCU/13 Roof Deck Capacity: 16.20Kw = 1 unit
- 3.3.18 FCU/20 2F Quarantine Office Capacity: 16.20Kw = 1 unit
- 3.3.19 ACCU/14 Roof Deck Capacity: 88.20Kw = 1 unit
- 3.3.20 FCU/25 2F Conference Room Capacity: 12.00Kw = 1 unit
- 3.3.21 FCU/26 2F Administration Office Capacity: 10.30Kw = 2 units
- 3.3.22 FCU/27 2F Operation & Command Office Capacity: 11.20Kw = 2 units
- 3.3.23 FCU/28 2F Concession -1 Capacity: 6.50Kw = 3 units
- 3.3.24 FCU/31 2F Duty Free Capacity: 5.80Kw = 3 units
- 3.3.25 ACCU/19 Roof Deck Capacity: 72.60Kw = 1 unit
- 3.3.26 FCU/32 2F Flight Plan Room Capacity: 8.40Kw = 5 units
- 3.3.27 FCU/36 2F Luggage Inspection Capacity: 13.80Kw = 3 units
- 3.3.28 ACCU/20 Roof Deck Capacity: 42.00Kw = 1 unit
- 3.3.29 FCU/41 2F Operation & Command Control Office Capacity: 7.91Kw = 2 units
- 3.3.30 ACCU/21 Roof Deck Capacity: 28.00Kw = 1 unit
- 3.3.31 FCU/42 2F CIP Lounge Capacity: 14.00Kw = 2 units
- 3.3.32 ACCU/22 Roof Deck Capacity: 112.00Kw = 3 units
- 3.3.33 FCU/43 2F Boarding Bridge-1 Capacity: 16.00Kw = 9 units
- 3.3.34 FCU/44 2F Air Side Corridor Capacity: 16.00Kw = 12 units

3.4.1 Consumables, Hangers & Supports = 1 lot

4.0 AIR CONDITIONING PIPING

CONDENSED WATER PIPING SYSTEM

4.1.1 200mmØ BI Pipes including Fittings = 24.00 l.m.

4.1.2 150mmØ BI Pipes Including Fittings = 180 l.m.

4.1.3 100mmØ BI Pipes including Fittings = 84.00 l.m.

4.1.4 200mmØ Slip-on Flange = 12.00 pcs.

4.1.5 150mmØ Slip-on Flange = 26.00 pcs.

4.1.6 100mmØ Slip- on Flange = 92.00 l.m.

4.1.7 200mmØ Blind Flange = 2 pcs

REFRIGERANT PIPING

4.2.1 6.35 mmØ Copper Pipes including Fittings = 30.00 l.m.

4.2.2 9.52 mmØ Copper Pipes Including Fittings = 882.00 l.m.

4.2.3 12.7 mmØ Copper Pipes including Fittings = 312.00 l.m.

4.2.4 15.9 mmØ Copper Pipes including Fittings = 504.00 l.m.

4.2.5 19.05 mmØ Copper Pipes including Fittings = 624.00 l.m.

4.2.6 22.2 mmØ Copper Pipes including Fittings = 32.00 l.m.

4.2.7 28.6 mmØ Copper Pipes including fittings = 186.00 l.m.

4.2.8 34.9 mmØ Copper Pipes including Fittings = 150.00 l.m.

4.2.9 41.3 mmØ Copper Pipes including Fittings = 96.00 l.m.

4.3.1 Refrigerant = 210.00 kgs.

4.3.2 Consumables, Hangers & Supports = 1 lot

5.0 VENTILATION EQUIPMENTS

- 5.1.1 EF-01 Centrifugal In-Line Duct Fan Capacity: 686 CFM = 4 units
- 5.1.2 EF-02 Centrifugal Fan Capacity: 1100 CFM = 2 units
- 5.1.3 EF-03 Centrifugal Fan Capacity: 915 CFM = 7 units
- 5.1.4 EF-06 Centrifugal Fan Capacity: 24000 CFM = 1 unit
- 5.1.5 EF-07 Centrifugal Tubular In-Line Fan Capacity: 38000 CFM = 1 unit
- 5.1.6 EF-08 Centrifugal Fan Capacity: 27000 CFM = 1 unit
- 5.1.7 EF-09 Centrifugal In-Line Duct Fan Capacity: 450 CFM = 2 units
- 5.1.8 EF-11 Centrifugal In-Line Duct Fan Capacity: 400 CFM = 1 unit
- 5.1.9 EF-12 Centrifugal In-Line Duct Fan Capacity: 1300 CFM = 1 unit
- 5.1.10 EF-13 Ceiling Cassette Fan Capacity: 85 CFM = 1 unit
- 5.1.11 EF-14 Centrifugal In-Line Duct Fan Capacity: 230 CFM = 1 unit
- 5.1.12 EF-17 Ceiling Cassette Fan Capacity: 90 CFM = 2 units
- 5.1.13 EF-19 Centrifugal In-Line Duct Fan Capacity: 207 CFM = 1 unit
- 5.1.14 EF-20 Centrifugal In-Line Duct Fan Capacity: 225 CFM = 1 unit
- 5.1.15 EF-21 Centrifugal Fan Capacity: 1920 CFM = 1 unit
- 5.1.16 EF-22 Centrifugal Fan Capacity: 835 CFM = 3 units
- 5.1.17 EF-27 Centrifugal Fan Capacity: 976 CFM = 1 unit
- 5.1.18 EF-28 Centrifugal In-Line Duct Fan Capacity: 345 CFM = 2 units
- 5.1.19 EF-32 Centrifugal Fan Capacity: 9000 CFM = 2 units
- 5.1.20 EF-32 Centrifugal Fan Capacity: 1680CFM = 1 unit
- 5.1.21 EF-34 Ceiling Cassette Fan Capacity: 45 CFM = 2 units
- 5.1.22 FAF-2 Centrifugal Fan Capacity: 1181 CFM = 1 unit
- 5.1.23 FAF-3 Centrifugal In-Line Duct Fan Capacity: 281 CFM = 1 unit
- 5.1.24 FAF-6 Centrifugal Fan Capacity: 1341 CFM = 1 unit
- 5.1.25 FAF-7 Centrifugal Fan Capacity: 1640 CFM = 1 unit

5.1.26 SEF-1 Centrifugal In-Line Cabinet Type Capacity: 51198 CFM = 1 unit

5.1.27 SEF-2 Centrifugal In-Line Cabinet Type Capacity: 44932 CFM = 1 unit

5.2.1 Consumables, Hangers & Supports = 1 lot

9.0 INSULATION WORKS

Chilled Water Pipe Insulation

Rubber Insulation

9.2.1 200mmØ = 24.00 l.m.

9.2.2 150mmØ = 180.00 l.m.

9.2.3 100mmØ = 84.00 l.m.

Refrigerant Piping insulation

Rubber Insulation

9.2.4 6.35 mmØ = 30.00 l.m.

9.2.5 9.52 mmØ = 882.00 l.m.

9.2.6 12.7 mmØ = 312.00 l.m.

9.2.7 15.9 mmØ 504 l.m.

9.2.8 19.05 mmØ = 624 l.m.

9.2.9 22.2 mmØ = 32.00 l.m.

9.2.10 28.6 mmØ = 186.00 l.m.

9.2.11 34.9 mmØ = 150.00 l.m.

9.2.12 41.3 mmØ = 96.00 l.m.

9.3.1 TDC duct accessories = 1 lot

9.3.2 Aluminum Duct Tape = 500.00 roll

11.0 AUTOMATIC CONTROL

11.1.1 Chiller Plant Manager with Energy Management Function and Multiple chiller Automatic Sequencing Capability Software = 1.00 lot

11.1.2 Jace Controller = 1.00 lot

11.1.3 Direct Digital Controller = 3.00 set

11.1.4 DDC Panels and Accessories = 3.00 set

11.1.5 BMS Computer = 1.00 lot

11.1.6 Chiller Plant Manager Communication & Field Wiring Works = 1.00 lot

12.0 TESTING AND BALANCING

Water Treatment

12.1.1 Pre Operational Cleaning = 1.00 lot

12.1.2 Chemical treatment (first 1 month) = 1.00 lot

12.1.3 Descaling = 1.00 lot

12.1.4 Automatic Feed & Bleed system = 1.00 lot

12.1.5 Testing & Commissioning = 1.00 lot

12.1.6 Loop Checking = 1.00 lot

12.1.7 Supply & installation of Chemical Pot Feeder = 1.00 lot

12.1.8 Supply & installation of Water Softener = 1.00 lot

13.0 MISCELLANEOUS WORKS

Supply and Installation of Expansion Tank

13.1.1 Open Type Cylindrical Expansion Tank, complete with necessary accessories = 1 lot

13.1.2 Pipes, valves, pressure gauge, Fittings, Pump and other accessories to complete the works= 1.00 lot

MAKE UP WATER LINE

13.2.1 BI Pipes 75 mm dia.(including fitting and Valves)= 18.00 l.m.

13.2.2 Pressure Gauge= 2.00 pcs.

13.2.3 Thermometer= 2.00 pcs.

13.2.4 Auto air vent= 2.00 pcs.

13.2.5 Float Valve 75 mm dia= 1.00 pc.

13.2.6 Flow Meter 75 mm dia.= 2.00 pcs.

13.2.7 Globe Valve, 75 mm dia.= 6.00 pcs.

13.2.8 Flexible Connector, 75 mm dia.= 2.00 pcs.

Differential Pressure By Pass Connection

13.3.1 Pressure Differential Valve, 200 mm dia= 1.00 pc.

13.3.2 Butterfly Valves, 200 mm dia.= 3.00 pcs.

13.3.3 Condensate Drain System= 1.00 lot

SECTION 5300 : FIRE PROTECTION SYSTEM

3.0 STAND PIPE SYSTEM

3.1 Fire Department Connection= 2.00 set

4.0 HOSE STATIONS

4.1 Fire Hose Cabinet incl. accessories= 23.00 set

5.0 FM GAS SYSYTEM

5.1 FM 200 Gas System with complete accessories (incl. pipes, detection system, nozzle , alarm system and other accessories to complete the works= 1.00 Assy.

6.0 FIRE EXTINGUISHER

6.1 Fire Extinguisher, 100 lbs. CO2, Wheeled Type= 12.00 pcs.

8.0 FIRE PUMP AND JOCKEY PUMP

8.1 Fire Pump= 1.00 unit

8.2 Jockey Pump= 1.00 unit

8.3 Testing and Commissioning= 1.00 Lot

8.4 Miscellenous and Consumable Items= 1.00 Lot

SECTION SERIES 6000 : ELECTRICAL WORKS

SECTION 6100 POWER FEEDER SYSTEM SYSTEM

1.1 Wires and Cables

1.1.1 250mm²THHN= 30,688.00 l.m.

1.1.2 150mm²THHN= 1,365.00 l.m.

1.1.3 125mm²THHN = 1,632.00 l.m.

1.1.4 100mm²THHN= 2,850.00 l.m.

1.1.5 80mm²THHN= 1,112.00 l.m.

1.1.6 50mm²THHN= 10,570.00 l.m.

1.1.7 38mm²THHN = 600.00 l.m.

1.1.8 30mm²THHN= 1,150.00 l.m.

1.1.9 22mm²THHN= 1,280.00 l.m.

1.1.10 14mm²THHN= 500.00 l.m.

1.1.11 8.0mm²THHN= 2,650.00 l.m.

1.1.12 5,5mm²THHN= 12,750.00 l.m.

1.1.13 3.5mm²THHN= 88,500.00 l.m.

1.2.0 Conduits/Raceways

1.2.7 25mmØ x 3m IMC with Coupling= 123.00 length

1.2.7.1 20mmØ x 3m IMC with Coupling= 620.00 length

1.2.7.2 15mmØ x 3m IMC with Coupling= 6,500.00 length

1.2.14 25mmØ IMC ELBOW= 12.00 pcs

1.2.15 20mmØ IMC ELBOW= 70.00 pcs.

1.2.16 15mmØ IMC ELBOW= 85.00 pcs

1.2.22 25mmØ LOCKNUT AND BUSHING= 40.00 pairs

1.2.23 20mmØ LOCKNUT AND BUSHING= 50.00 pairs

1.2.24 15mmØ LOCKNUT AND BUSHING= 150.00 pairs

1.3 Boxes and Ladder

1.3.2 Junction Box (4x4) with cover= 2,650.00 Pcs

1.3.3 PULLBOX 4 x 4= 50.00 Pcs

1.3.4 PULLBOX 4 x 6= 40.00 Pcs

1.3.8 "CABLE TRAY, LADDER TYPE WITH COVER and ACCESSORIES

500 x 220 x 2400"= 140.00 lengths

SECTION 6200 LIGHTING AND WIRING DEVICE SYSTEM

2.1.0 Wiring Devices

2.1.1 Duplex convenience outlets flush mounted in wall, grounding type 3W 16A, 250V= 297.00 Sets

2.1.2 Floor mounted outlet= 25.00 Sets

2.1.3 Weatherproof outlet for outer area= 25.00 Sets

2.1.4 Single gang convenience outlet for hand dryer, fan coil unit, exhaust fan, exit & emergency lights= 364.00 Sets

2.1.5 3-way switch,15A, 250V= 12.00 Sets

2.1.6 Light switch 1-pole 15A 250V in one gang= 42.00 Sets

2.1.7 Light switch 2-pole 15A 250V in one gang= 36.00 Sets

2.1.8 Light switch 3-pole 15A 250V in one gang= 24.00 Sets

2.1.9 Switchbank= 10.00 Sets

2.2.0 Lighting Fixtures

2.2.1 2 x 16 watts LED lamp troffer type, ceiling recessed mounted 600 x 1200= 210.00 Sets

2.2.2 2 x 16 watts LED lamp luminaire, surface mounted 300 x 1200= 150 Sets

2.2.3 2 x 16 watts LED lamp luminaire, industrial type pendant mounted 300 x 1200= 931.00 Sets

2.2.4 1 x 16 watts T5 LED tube lighting fixture 1600 cove light= 98.00 Sets

2.2.5 Accent light, 25W LED lamp= 90.00 Sets

2.2.6 LED downlight, 18W surface mounted= 782.00 Sets

2.2.7 LED downlight, 12W recessed mounted= 182.00 Sets

2.2.8 LED downlight , 8W recessed mounted= 385.00 Sets

2.2.9 Emergency light, rated 2-7W LED lamp w/ battery backup. =162.00 Sets

2.2.10 Exit sign. 3W LED lamp wall mounted (single face)= 56.00Sets

2.2.11 Exit sign. 3W LED lamp wall mounted (double face)= 34.00 Sets

2.2.12 50W LED spotlight = 16.00 Sets

2.2.13 60W LED floodlight wall mounted= 82.00 Sets

2.2.14 Highbay LED lights 120W 50,000 LM= 54.00 Sets

2.2.15 60W LED sidethrow floodlight wall mounted with safety glass and globe guard= 54.00 Sets

2.2.16 2-16W T5 LED tube 1600 LM linear lighting= 174.00 Sets

2.3 Panel Boards, ECB's, MTS, etc.

2.3.1 Panel MDP1,Main: 1,400AT/1600AF, 400V Branches : 1-500AT, 4P; 1-250AT,4P; 1-225AT,4P; 200AT,4P; 1-175AT,4P; 2-150AT,4P; 2-125AT,4P= 1.00 Assy.

2.3.2 Panel MDP2, Main : 1,400AT/1600AF 4P, 400V Branches : 1-350AT, 4P; 1-225AT,4P; 1-200AT,4P; 1-150AT,4P; 3-125AT,4P; 2-100AT,4P; 2-50AT,4P= 1.00 assy.

2.3.3 Panel DPA, Main : 225AT/225AF 4P, 400V Branches: 1-60AT, 3P; 1-40AT,3P; 5-30AT,3P; 1-30AT,2P; 12-20AT,2P= 1.00 assy.

2.3.4 Panel DPB, Main : 500AT/600AF 4P, 400V Branches: 3-100AT, 1-90AT,3P; 1-60AT,3P; 2-30AT,3P; 6-30AT,2P; 7-20AT,2P= 1.00 assy.

2.3.5 Panel VFE, Main : 150AT/225AF 4P, 400V Branches: 1-40AT, 3P; 2-30AT,3P; 3-20AT,3P; 12-20AT,2P= 1.00 assy.

2.3.6 Panel LPA, Main : 175AT/225AF 4P, 400V Branches: 24-20AT,2P= 1.00 assy.

2.3.7 Panel LPB, Main : 150AT/225AF 4P, 400V Branches: 1-30AT,2P; 19-20AT,2P= 1.00 assy.

2.3.8 Panel LPC, Main : 125AT/225AF 4P, 400V Branches: 23-20AT,2P= 1.00 assy.

2.3.9 Panel LPD, Main : 125AT/225AF 4P, 400V Branches: 23-20AT,2P= 1.00 assy.

2.3.10 Panel UG-MC, Main : 250AT/400AF 4P, 400V Branches: 16-50AT,2P= 1.00 assy.

2.3.11 Panel LG- MC, Main : 200AT/225AF 4P, 400V Branches: 10-50AT,2P= 1.00 assy.

2.3.12 Panel DFS, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00 assy.

2.3.13 Panel 1LG, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00 assy.

2.3.14 Panel 2LG, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00 assy.

2.3.15 Panel 3LG, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00 assy.

2.3.16 Panel 4LG, Main : 50AT/100AF 2P, 230V= Branches: 6-20AT,2P= 1.00 assy.

2.3.17 Panel 5LG, Main : 50AT/100AF 3P, 230V Branches: 6-20AT,2P= 1.00 assy.

- 2.3.18 Panel AL1, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.3.19 Panel AL2, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.3.20 Panel AL3, Main : 50AT/100AF 2P, 230V= Branches: 6-20AT,2P=
1.00 assy.
- 2.3.21 Panel AHU, Main : 225AT/225AF 4P, 400V Branches: 1-60AT,3P; 6-
50AT,3P= 1.00 assy.
- 2.3.22 Panel LC1, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.3.23 Panel LC2, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P=
1.00 assy.
- 2.3.24 Panel LC3, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.2.25 Panel RC1, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P=
1.00assy.
- 2.2.26 Panel RC2, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.2.27 Panel RC3, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P= 1.00
assy.
- 2.2.28 Panel PPA, Main : 350AT/400AF 4P, 400V Branches: 1-70AT, 3P; 4-
40AT,3P; 2-40AT,2P; 2-30AT,2P; 7-20AT,2P= 1.00 assy.
- 2.2.29 Panel PPB, Main : 200AT/225AF 4P, 400V Branches: 1-60AT, 3P; 3-
50AT,3P; 12-20AT,2P= 1.00 assy.
- 2.2.30 Panel LP2A, Main : 125AT/225AF 4P, 400V Branches: 4-20AT,2P=
1.00 assy.
- 2.3.31 Panel LP2B, Main : 125AT/225AF 4P, 400V Branches: 22-20AT,2P=
1.00 assy.
- 2.3.32 Panel LPUA, Main : 125AT/225AF 4P, 400V Branches: 23-20AT,2P=
1.00 assy.
- 2.3.33 Panel LPUB, Main : 100AT/100AF 4P, 400V Branches: 22-20AT,2P=
1.00 assy.
- 2.3.34 Panel LPE, Main : 100AT/100AF 4P, 400V Branches: 22-20AT,2P=
1.00 assy.

2.3.35 Panel LPR, Main : 150AT/225AF 4P, 400V Branches: 1-30AT,2P; 19-20AT,2P= 1.00 assy.

2.3.36 Panel CHILLR, Main : 1200AT/1400AF 4P, 400V Branches: 3-600AT,4P; 5-30AT,4P= 1.00 assy.

2.3.37 Panel MCC 1000at, Main : 100AT/1200AF 4P, 400V Branches: 1-1000AT,3P; 3-30AT,3P; 2-20AT,3P; 2-20AT,2P= 1.00 assy.

2.3.38 3P 70AT,100AF ECB=2.00 Sets

2.3.39 3P 60AT,100AF ECB = 4.00 Sets

2.3.40 3P 50AT,100AF ECB= 7.00 Sets

2.3.41 3P 40AT,100AF ECB = 8.00 Sets

2.3.42 2P 40AT,100AF ECB= 2.00 Sets

2.3.43 2P 30AT,100AF ECB=4.00 Sets

2.3.44 2P 20AT,100AF ECB= 16.00 Sets

2.3.45 ECB 3P 100AT 100AF= 4.00 Sets

2.3.46 ECB 3P 30AT 100AF= 14.00 Sets

2.3.47 ECB 3P 1200AT 1200AF= 1.00 Sets

2.4 LIGHTNING PROTECTION AND GROUNDING SYSTEM

2.4.1 Lightning air terminal, 80 Radius @ Level 1= 3.00 Sets

2.4.2 lightning stroke counter= 2.00 Sets

2.4.3 20mm dia x 3 meter long copper clad ground rod= 35.00 pcs

2.4.4 Ground well= 4.00 pcs

2.4.5 T – connection= 180.00 pcs

2.4.6 100mm² copper wire= 1,500.00 LM

2.4.7 Grounding Busbar= 14.00 Sets

2.4.8 Copper Split Bolt Connectors= 20.00 pc/s

2.4.9 Exothermic Weld= 184.00 tubes

2.4.10 60mm² multi-shielded cable= 350.00 LM

2.4.11 25mmØ x 3.0m PVC pipe = 520.00 length

2.5 EXTERIOR LIGHTING SYSTEM (APRON LIGHTING, VEHICULAR PARKING AREA AND ACCESS ROAD LIGHTING)

2.5.1 ROADWAY LIGHTING STATION - 120W LED LUMINAIRE ON 12M LIGHTING POST IN CONCRETE PEDESTAL= 107.00 each

2.5.2 HIH MAST FLOOD LIGHTING STATION - 8-400W LED LUMINAIRES IN MOTORIZED MOUNTING BRACKET 25 METER POLE IN CONCRETE PEDESTAL= 3.00 each

1.1.7 38mm²THHN= 60.00 l.m.

1.1.9 22mm²THHN= 10,400.00 l.m.

1.1.10 14mm²THHN= 30.00 l.m.

1.1.11 8.0mm²THHN= 7,500.00 l.m.

1.1.13 3.5mm²THHN= 4,600.00 l.m.

2.4.12 PVC CONDUIT WITH COUPLING, 63MMØ (2"Ø)= 1,730.00
Length

2.3.48 PANELBOARD - MAIN: 4P125AT; BRANCHES: 12-1P20AT IN
NEMA 3R ENCLOSURE= 1.00 Assy.

SECTION 6300 TELEPHONE AND DATA SYSTEM

2.1 PABX Telephone System, PRI Digital trunks, 1 × E1, Can support of up to 97 IP
Phones, 2 hrs Battery backup with Rectifier= 1.00 lot

2.2 "Office-Type IP Phone, 4.3 - inch color TFT LCD with touch panel, Desk Mount
Tilt, Speaker Phone, Headset Port RJ9 jack, Programmable Keys, Flexible function
keys, Call Log Entries, Music on Hold, Ethernet Ports, 10/100/1000 Mbps, PoE"= 2.00
set

2.3 Basic IP Phone, 132 × 64-pixel 2.3-inch Graphical LCD, Monochrome Graphical,
Desk Mount Tilt, Speaker Phone, Programmable Keys, Call Log Entries, Music on
Hold, 10/100 Mbps, PoE= 95.00 set

2.4 Horizontal Distribution For Data and CCTV (CAT 6)= 1.00 Lot

DISTRIBUTION ROUGHING-INS MATERIALS (VOICE AND DATA)

2.5.5 Roughing in works : Conduits, Fittings, Pull Box, Junction Box and accessories=
1.00lot

2.5.6 Support, Bracket, Clamp and Accessories= 1.00 lot

FIBER OPTIC CABLING COMPONENTS TO ALL SYSTEM

2.6.1 12-core Fiber Optic Cable, 50/125um, Multimode, Indoor Type= 582.00 mtrs

2.6.2 12-port LIU Fiber Panel loaded w/ SC/ST Couplers, Duplex, Multimode= 6.00
sets

2.6.3 SC Connectors, Multimode= 72.00 pcs

2.6.4 SC - LC Fiber Patch Cord, 50/125um, Multimode, 2 meters length= 20.00 pcs

FIBER DATA BACKBONE ROUGHING-IN MATERIALS

2.7.1 Rough-in works: Conduit, Fittings, Full Boxes and accessories= 1.00 lot

2.7.2 Supports, Brackets, Channels, Clamps, etc.= 1.00 lot

SECTION 6400 CABLE TV SYSTEM

2.2.1 RG11 Coaxial Cable, 75ohms, 60% Braid Black (305m/Rl)= 150.00 lm

2.2.2 RG6 Solid Bare Copper Conductor 21% CCS, 95% Bare Copper Braid Shield Coaxial Cable Black (305mtr)= 520.00 lm

2.2.3 Trunk Amplifier Outdoor Bi-Directional w AGC/ASC, 32dB, 42/54mhZ - 4RF Output" = 2.00 pcs

2.2.4 Power Supply 60VAC / 15Amp = 2.00 pcs

2.2.5 4-Way 17dB Tap-Off Outdoor= 1.00 pcs

2.2.6 4-Way 20dB Tap-Off Outdoor= 4.00 pcs

2.2.7 2-Way Outdoor Splitter 18dB= 2.00 pcs

2.2.8 3-Way Outdoor Splitter Balanced= 1.00 pcs

2.2.9 Directional Coupler 8dB 1 Way= 1.00 pcs

2.2.10 Fiber to Coaxial Cable Converter, with Power Supply= 2.00 pcs

2.2.11 RG 6 F Connector, Compression Type= 52.00 pcs

2.2.12 RG 11 F Connector, Compression Type= 10.00 pcs

2.2.13 4 Core OM3 Indoor Fiber Optic Cable= 187.00 lm

2.2.14 6-Portfiber Panel Wall mount SC Loaded MM= 2.00 pcs

2.2.15 3M SC-LC OM3 XG Fiber Optic Patchcord UPC= 2.00 pcs

2.2.16 CATV Cabinet, 407mm (W) x 610mm (H) x 305mm (D), Ga no. 18 w/ backboard and lock= 2.00 assy

DISTRIBUTION ROUGHING-INS MATERIALS

2.3.1 Roughing in works : Conduits, Fittings, Pull Box, Junction Box and accessories=
1.00 Lot

2.3.2 Support, Bracket, Clamp and Accessories= 1.00 Lot

SECTION 6500 PUBLIC ADDRESS SYSTEM

1.1.1 Ceiling Mount Speaker 5 inch 6w= 141.00 ea

1.1.2 Compact Speaker (WHT)= 39.00 ea

1.1.3 Speaker System= 16.00 ea

1.1.4 Paging Horn Speaker= 3.00 ea

1.1.5 Ceiling Mount Microphone= 3.00 ea

1.1.6 Attenuator= 1.00 ea

1.1.7 Digital Announcer= 1.00 ea

1.1.8 Rack Mounting Bracket= 1.00 ea

1.1.9 Compact Disc Player= 1.00 ea

1.1.10 Monitor Panel= 1.00 ea

1.1.11 Line Supervisory= 1.00 ea

1.1.12 Voice Evacuation Frame 4AB= 3.00 ea

1.1.13 Digital Power Amplifier Module 500W= 2.00 ea

1.1.14 Digital Power Amplifier Module 300W= 5.00 ea

1.1.15 Digital Power Amplifier Module 150W= 5.00 ea

1.1.16 Power Supply Manager= 1.00 ea

1.1.17 Remote Microphone= 6.00 ea

1.1.18 Remote Microphone Extension= 2.00 ea

1.1.19 AC Adapter Power= 7.00 ea

1.1.20 1-Size Blank Panel= 5.00 ea

1.1.21 3-Size Blank Panel= 2.00 ea

1.1.22 16 AWG, 2 CONDUCTORS, WHITE JACKET, 500FT BOX. Premium 16 gauge speaker cable, featuring 65 strand OFC conductors and a super-luxe outer jacket. Built to exacting standards with zero compromises= 5,638.00 l.m.

SECTION 6600 MASTER CLOCK SYSTEM

1.1.1 Wired Digital Clock= 26.00 pc/s

1.1.2 Large Digital Clock= 1.00 pc/s

1.1.3 Time Zone Clock= 12.00 sets

1.1.4 Master Clock=1.00 pc

1.1.5 GPS Antenna= 1.00 pc

1.1.6 NTP Server= 1.00 pc

1.1.7 Network Clock Monitor Software= 1.00 set

1.1.8 Wire, cable and other accessories=1.00 lot

SECTION 6700 IP CCTV SYSTEM

1.1 PTZ Camera, Full HD 1080p resolution, 25/30 fps image with a 1/1.9 in. 2 MP sensor, 6.0-180 mm, F1.6-F4.8, 30x optical zoom lens, Waterproof (IP67) and IK10 vandal resistant camera housing, AC/PoE= 12.00 sets

1.2 Indoor Fixed Dome Camera, Ultra HD 4K/12 MP resolution at 20 fps or 8 MP at 25/30 fps, 1/1.7" 12 megapixel progressive scan CMOS imager, 4.1–12.8 mm, F1.53, motorized focus/zoom lens, PoE, 45 m (145 ft) IR distance= 36.00 sets

1.3 Fixed Dome Camera, 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager, 2.7-12 mm or 7-22 mm, F1.4, motorized focus and zoom lens, PoE, 45 m (145 ft) IR distance= 23.00 sets

1.4 Thermal IR Bullet Network Camera, Thermographic Module: Uncooled 384x288, 15mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C(±0.3°C with Blackbody); Visible Light Module: 1/2.7", CMOS, 6mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 256GB on-board storage, ONVIF, IP66, AC/DC/PoE, Tripods of Thermal Camera & Black

Body= 6.00 sets

1.5 Keyboard for NVR control, multiple connectivity options (RS232/422/485 and TCP/IP), web browser for easy upgrading and configuring, keys are backlit with pleasant adjustable blue LED, keys are laser cut and fade-free, Power over Ethernet (PoE)= 1.00 set

1.6 Network Video Recorder (NVR), Can record and monitor up to 64 channels, HDMI, 2U rack mounted, Dual 1 GB Network ports, Internal storage capacity can support the total number of camera, Support for Web Client on Windows PC, Supports live, playback/search of recorded video for up to 4K resolution on all cameras, taking snapshots and viewing presets for PTZ cameras.= 2.00 sets

1.7 Video Management System (VMS) Software= 1.00 sets

1.8 42" LED Widescreen Full HD Display, 16: Aspect Ratio, 1920 x 1080 Resolution, Viewing Angle: 178° x 178°, Power Supply: 100-240V, 50/60Hz= 2.00 sets

1.9 PC Desktop Workstation, Intel Core i7, 8GB (1X8GB) DDR4 2666MHz SODIMM, 512GB M.2 SSD + 1TB 7200RPM SATA 2.5" HDD, Windows 10, NVIDIA GeForce GTX 1050Ti 4GB GDDR5, with 22" Monitor, Keyboard & Mouse= 1.00 set

1.10 Thermal Camera PC, Intel Core i5, 8GB (1X8GB) DDR4 2666MHz SODIMM, 512GB M.2 SSD + 1TB 7200RPM SATA 2.5" HDD, Windows 10, NVIDIA GeForce GTX 1050 2GB GDDR5, with 22" Monitor, Keyboard & Mouse= 6.00 sets

2.5.1 42 RU Data Cabinet 800mm (W) × 800mm (D), standard 19" racking system, framing and paneling Ga. #16, perforated front door w/ 2 front vertical cable manager, 4 exhaust fans on top panel, detachable side and back panels with lock and ventilation, powerstrip with 12 Duplex C.O. 3-prong 220 Volts 15A capacity, with continuous tray and color black powder coated finish. = 6.00 Assy

2.5.2 18 RU Data Cabinet 800mm (W) × 800mm (D), standard 19" racking system, framing and paneling Ga. #16, perforated front door w/ 2 front vertical cable manager, 4 exhaust fans on top panel, detachable side and back panels with lock and ventilation, powerstrip with 12 Duplex C.O. 3-prong 220 Volts 15A capacity, color black powder coated finish.= 1.00 Assy

2.5.3 1 RU Horizontal Cable Manager= 34.00 pcs

2.5.4 Power Distribution Unit= 11.00 pcs

SECTION 6800 FIRE DETECTION ALARM SYSTEM

1.0 DEVICES

1.1.1 Fire Alarm Control Panel - 2 loops, Addressable, Red= 3.00 sets

1.1.2 Pan Bat 12-12 (Back Up Battery, 12VDC)= 6.00 pc/s

1.1.3 Wide Smoke Range Photo Sensor= 224.00 pc/s

1.1.4 4" Analog Sensor Base, Bone= 235.00 pc/s

1.1.5 Heat Sensor= 11.00 pc/s

1.1.6 Beam Detector= 26.00 pc/s

1.1.7 Local Combination Box (Lamp, MCP, Bell)= 12.00 pc/s

1.1.8 Flush Mout Box for LCD= 12.00 pc/s

1.1.9 Supervised Output Module = 12.00 pc/s

1.1.10 Zone Input Module= 12.00 pc/s

1.1.11 Automatic Voltage Regulator, 1000W= 3.00 pc/s

2.0 ROUGH-IN WORKS

2.1.1 IMC pipe 20mm dia. Conduit pipe= 1,470.00 length

2.1.2 IMC pipe 20mm dia. Coupling= 1,479.00 pcs.

2.1.3 FMC 1/2" dia.= 17.00 roll/s

2.1.4 Junction Box= 850.00 pc/s

2.1.5 Junction box Connector 20mm dia. = 1,700.00 pc/s

2.1.6 Straight Connector 20mm dia.= 715.00 pc/s

2.1.7 500x500 mm dia. BOX= 4.00 pc/s

2.1.8 40mm dia. Conduit pipe for riser= 5.00 length

2.1.9 Hangers, Supports and other accessories= 1.00 lot

3.0 WIRINGS

3.1 Wirings (TF Wire #16), single wire= 10,675.00 l.m.

SECTION SERIES 7000 : SPECIAL EQUIPMENT

SECTION 7200 : ELEVATORS AND ESCALATORS

Supply and Installation including electrical, mechanical and civil works to complete the works

1.1 Passenger Elevator= 2.00 Units

1.2 Passenger Elevator/Scenic= 1.00 Unit

1.3 Indoor Escalator= 3.00 Units

SECTION 7700 : FLOOD CONTROL SYSTEM

1.01 System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Middle Supports, FCD-1-1 - Gate Entrance, FCD-1-2 - Gate Entrance= 2.00 Assy

1.02 System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Corner Supports, FCD-2-1 - Fire Exit Avescom Rm,= 2.00 Assy

1.03 RS Lift-Hinged Floodgate (Ground Beram with anchor Plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby= 5.00 Assy

1.04 RS Lift-Hinged Floodgate (Ground Beram with anchor Plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby= 5.00 Assy

All Scopes of Work for the project must be in accordance with the approved Plans and Specifications. Quality and types of materials must be approved by the CAAP Project-in-Charge.

GENERAL PROVISIONS

Provisions for staff house, service vehicles, laptops, printers, cameras, plotters, furniture and other materials, devices and equipment under Special Item or Temporary Facilities shall not include OCM & CP.

The contractor shall be responsible in providing safety perimeter fence or security fences, personal protective equipment (PPE) for staffs and workers on site while construction is ongoing. Safety reports should be prepared regularly.

The contractor shall be responsible for all laboratory, material testing, building and safety permits and survey instruments necessary in the project implementation. These expenses shall be incorporated in the contractor's overhead cost and shall not be considered as pay item.

SPECIFICATIONS

(Please refer to the attached Technical Specifications)

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

Section VIII. Bill of Quantities

Bill of Quantities, Detailed Breakdown of Component of Each Item and Detailed Unit Price Analysis should be submitted together with the Annex “C” Form 4 to 7 in pages 538 to 541.

Non-attachment of Annex “C” Form 1 to 7 shall be automatically disqualified.

{ATTACH COMPANY LETTERHEAD/LOGO}

B I L L O F Q U A N T I T I E S

PROJECT: Construction of New Passenger Terminal Building (Phase II) for Tacloban Airport Development Project

LOCATION: Tacloban Airport, Tacloban City, Leyte

ITEM NO.	DESCRIPTION OF WORK	QTY.	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
SPL - 1	MOBILIZATION / DEMOBILIZATION	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 1000 : GENERAL REQUIREMENTS					
SECTION 1120	EMPLOYERS AND ENGINEERS FACILITIES	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 1130	ENVIRONMENTAL MANAGEMENT AND MONITORING	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 1165	CONTRACTOR SUBMISSION	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 1210	PROJECT EQUIPMENT	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 2000 : CIVIL WORKS (ROADS, BRIDGE AND PARKING AREAS)					
SECTION 2100	EARTHWORKS	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 2200	PAVEMENT WORKS	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 2300	DRAINAGE WORKS	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				

SECTION 2400	MISCELLANEOUS WORKS	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 1400	CONCRETE FOR STRUCTURES	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 4230	STRUCTURAL STEELWORK	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 3000 : UTILITIES					
SECTION 3110	WATER SUPPLY PIPE LINE	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 3130	WATER STORAGE	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 3200 :	POWER SUPPLY SYTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 3300 :	SEWAGE TREATMENT SYSTEM SYTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 4000 : ARCHITECTURAL WORKS					
SECTION 4330:	ROOFING, CLADDING AND FACADES	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				

SECTION 4370:	FINISHES	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 4380:	MISCELLANEOUS / FITTINGS / FURNITURE	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 5000 : MECHANICAL WORKS					
SECTION 5100 :	SANITARY AND PLUMBING SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 5200 :	VENTILATION AND AIR CONDITIONING SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 5300	FIRE PROTECTION SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 6000 : ELECTRICAL WORKS					
SECTION 6100	POWER FEEDER SYSTEM SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6200	LIGHTING AND WIRING DEVICE SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6300	TELEPHONE AND DATA SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6400	CABLE TV SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				

SECTION 6500	PUBLIC ADDRESS SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6600	MASTER CLOCK SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6700	IP CCTV SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 6800	FIRE DETECTION ALARM SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION SERIES 7000 : SPECIAL EQUIPMENT					
SECTION 7200	ELEVATORS AND ESCALATORS	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				
SECTION 7700	FLOOD CONTROL SYSTEM	1.00	lot		
	Pesos _____ Amount in Words _____ and _____ centavos				

TOTAL BID AMOUNT (Php) _____

TOTAL BID AMOUNT IN WORDS _____

Signature: _____
 Printed Name: _____
 Position: _____
 Name Company: _____
 Date: _____

CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING (PHASE II) FOR TACLOBAN AIRPORT DEVELOPMENT PROJECT
San Jose, Tacloban City

Detailed Breakdown of Component of Each Item

ITEM NO.	DESCRIPTION OF WORK	QTY.	UNIT	DIRECT COST			ESTIMATED DIRECT COST		MARK-UPS IN PERCENT		Profit	TOTAL MARK-UP		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
				MATERIALS	LABOR	EQUIPMENT	(5)		OCM	(6)	(7)	%	VALUE				
(1)	(2)	(3)	(4)						(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SPL - 1	Mobilization and Demobilization		1.0														
	SECTION SERIES 1000 : GENERAL REQUIREMENTS																
	SECTION 1120 : EMPLOYERS AND ENGINEERS FACILITIES																
1.1	Provision of Field Office for the Employer and Engineers including Laboratory and Staff House with Electric Power and Water Supply. (Minimum area of 250 sq.m.) On Rental Basis	14.00	Mos.														
1.2	Provision of Furnitures/Fixture, Equipment & Appliances for the Field Office of The Engineer	1.00	Lump sum														
1.3	Operation and Maintenance of Field Office for the Engineer	14.00	Mos.														
1.4	Provide and Maintenance Communication Equipment for the Engineer	14.00	Mos.														
1.5	Project Sign Board	2.00	each														
	SUB - TOTAL																
	SECTION 1130 : ENVIRONMENTAL MANAGEMENT AND MONITORING																
1.1	Environmental Monitoring and Laboratory Testing	6.00	Mos.														
	SUB - TOTAL																
	SECTION 1165 : CONTRACTOR SUBMISSION																
1.1	Progress Photograph	14.00	Mos.														
	SUB - TOTAL																
	SECTION 1210 : PROJECT EQUIPMENT																
1.1	Service Vehicle for the Engineer, Provide (2 Unit) Brand new Pick-up 4x2 Diesel Powered including operation and Maintenance.	14.00	Mos.														
1.2	Surveying Instruments	1.00	1.0														
	SUB - TOTAL																
	TOTAL OF PART SECTION 1000 - GENERAL REQUIREMENTS																
	SECTION SERIES 2000 : CIVIL WORKS (ROADS, BRIDGE AND PARKING AREAS)																
	SECTION 2100 : EARTHWORKS																
2110	Clearing and Grubbing	4.06	Has.														
2140.2	Embankment from Borrow	33,920.00	cu.m.														
2150	Subgrade Preparation	27,075.00	sq.m.														
	SUB - TOTAL																

SECTION 2200 : PAVEMENT WORKS									
2210	Granular Subbase Course	5,130.05	cu.m.						
2280(2)	Portland Cement Concrete Pavement, 250 mm thick	5,950.00	sq.m.						
2280(1)	Portland Cement Concrete Pavement, 200 mm thick	15,426.00	sq.m.						
2290	Reflectorized Pavement Marking	350.00	sq.m.						
SUB - TOTAL									
SECTION 2300 : DRAINAGE WORKS									
2310 (1)	RCP 610 mm	691.00	l.m.						
2310 (2)	RCP 760 mm	86.00	l.m.						
2310 (3)	RCP 910 mm	596.00	l.m.						
2310 (4)	RCP 1070 mm	268.00	l.m.						
2310 (5)	RCP 1220 mm	380.00	l.m.						
2310 (6)	Pipe Culvert and Drainage Excavation	1,113.00	cu.m.						
2320 (1)	Curb Inlet Manhole	51.00	each						
2320 (2)	Drainage Manhole	10.00	each						
2320 (3)	Surface Inlet Manhole with Steel Gating	2.00	each						
2320 (4)	Catch Basin (2.00 m x 4.00 m x 1.50 m)	1.00	each						
2320 (5)	Drainage Outfall Headwall & Wingwalls	1.00	each						
SUB - TOTAL									
SECTION 2400 : MISCELLANEOUS WORKS									
2410(1)	Curb and Gutter	1,416.00	l.m.						
2410(2)	Curb	2,758.00	l.m.						
2410(3)	Walkways, 100 mm thick	5,699.00	sq.m.						
2413	Grouted Riprap	334.00	cu.m.						
SUB - TOTAL									
SECTION 1400 : CONCRETE FOR STRUCTURES									
MAIN BRIDGE									
2600	Precast Concrete Piles								
1.1	400mm x400 mm Precast Concrete Piles, Furnished	8,208.00	l.m.						
1.2	400mm x400 mm Precast Concrete Piles, Driven	8,208.00	l.m.						
4220	In Situ Concrete								
1.1	Concrete, 30 Mpa, Footing	1,323.00	cu.m.						
1.2	Concrete, 30 Mpa, Coping Beam	11.75	cu.m.						
1.3	Concrete, 30 Mpa, Columns	27.25	cu.m.						
1.4	Concrete, 30 Mpa, Girders	60.00	cu.m.						
1.5	Concrete, 30 Mpa, Slab	213.15	cu.m.						
4220	Steel Reinforcement								
2.1.1	Reinforcing Bars, Grade 40, Footing	7,647.00	kg.						
2.1.2	Reinforcing Bars, Grade 60, Footing	78,578.00	kg.						
2.2	Reinforcing Bars, Grade 60, Coping Beam	3,791.00	kg.						
2.3	Reinforcing Bars, Grade 60, Columns	13,188.00	kg.						
2.4	Reinforcing Bars, Grade 60, Girders	21,999.00	kg.						
2.5.1	Reinforcing Bars, Grade 40, Slab	15,111.00	kg.						
2.5.2	Reinforcing Bars, Grade 60, Slab	41,131.00	kg.						
NORTH AND SOUTH RAMP									
2600	Precast Concrete Piles								
1.1	400mm x400 mm Precast Concrete Piles, Furnished	4,636.00	l.m.						
1.2	400mm x400 mm Precast Concrete Piles, Driven	4,636.00	l.m.						

[illegible]

TOTAL OF PART SECTION 4000 - ARCHITECTURAL WORKS																			
SECTION SERIES 5000 : MECHANICAL WORKS																			
SECTION 5100 : SANITARY AND PLUMBING SYSTEM																			
4.0	Plumbing and Sanitary Fixtures incl. <i>Accessories to complete the work</i>																		
2.4.1	SENSOR FLUSH TYPE - WATER CLOSET complete with necessary accessories/miscellaneous items.	57.00	sets																
2.4.2	UNDER COUNTER TYPE LAVATORY WITH SENSOR TYPE FAUCET complete with necessary accessories/miscellaneous items.	90.00	sets																
2.4.3	SENSOR TYPE - URINAL complete with necessary accessories/miscellaneous items.	27.00	sets																
2.4.4	WALL MOUNTED TYPE LAVATORY complete with necessary accessories/miscellaneous items.	15.00	sets																
2.4.5	STAINLESS STEEL HAND DRYER complete with necessary accessories/miscellaneous items.	14.00	sets																
2.4.6	STAINLESS STEEL TISSUE HOLDER complete with necessary accessories/miscellaneous items.	79.00	sets																
2.4.7	WALL MOUNTED SOAP DISPENSER complete with necessary accessories/miscellaneous items.	105.00	sets																
2.4.8	FLUSH TYPE - WATER CLOSET complete with necessary accessories/miscellaneous items.	36.00	sets																
2.4.9	URINAL FLUSH TYPE complete with necessary accessories/miscellaneous items.	6.00	sets																
2.4.10	SHOWER SET complete with necessary accessories/miscellaneous items.	5.00	sets																
SUB - TOTAL																			
5.0	Pumps and Accessories (Including civil works, electrical and mechanical works to complete the works)																		
5.1.1	Elevator Pit Sump Pump, 25 GPM, 40 FT, 1HP, 230V, 1P, 60Hz	3.00	ea																
5.1.2	Gate Valve 50mm diameter	6.00	ea																
5.1.3	Flexible Hose 50mm diameter	12.00	l.m.																
5.1.4	Check Valve 50mm diameter	6.00	ea																
5.1.5	Mechanical Clamp 50mm diameter	6.00	ea																
5.1.6	Escalator Pump, 25GPM, 40 FT, 1HP, 230V, 1P, 60Hz	3.00	ea																
5.1.7	Oil Interceptor, 100 GPM, 1750 RPM	1.00	ea																
SUB - TOTAL																			

TOTAL OF PART SECTION 51.00 - SANITARY AND PLUMBING WORKS									
SECTION 52.00 : VENTILATION AND AIR CONDITIONING SYSTEM									
3.0	AIR CONDITIONING EQUIPMENT								
AIR COOLED CHILLER (Incl. Fitting, valves, thermometer and other accessories to complete the works)									
3.1.1	ACC 01-03 150 TR	3.00	unit/s						
AIR HANDLING UNITS (including Accessories to complete the works)									
3.2.1	AHU - 01 55.3 TR Centrifugal DIDW	1.00	unit/s						
3.2.2	AHU - 02 78.4 TR Centrifugal DIDW	1.00	unit/s						
3.2.3	AHU - 03 65.4 TR Centrifugal DIDW	1.00	unit/s						
3.2.4	AHU - 04 54 TR Centrifugal DIDW	1.00	unit/s						
3.2.5	AHU - 05 62.9 TR Centrifugal DIDW	1.00	unit/s						
FAN COIL / ACCU UNITS									
3.3.1	ACCU Roof Deck Capacity: 17.60Kw	4.00	unit/s						
3.3.2	FCU GF Concession 1LG Capacity: 8.80Kw	13.00	unit/s						
3.3.3	ACCU/2 Roof Deck Capacity: 70.20Kw	1.00	unit/s						
3.3.4	FCU/2 GF Lift Lobby Capacity: 24.60Kw	1.00	unit/s						
3.3.5	FCU/3 2F Escalator/ Lift Lobby Capacity: 10.00Kw	3.00	unit/s						
3.3.6	FCU/4 2F Immigration Office Capacity: 7.20Kw	1.00	unit/s						
3.3.7	FCU 2F OTS Office Capacity: 5.20Kw	2.00	unit/s						
3.3.8	ACCU/5 Roof Deck Capacity: 8.80Kw	1.00	unit/s						
3.3.9	ACCU/8 Roof Deck Capacity: 42.80Kw	1.00	unit/s						
3.3.10	FCU/13 GF Baggage Handler Capacity: 5.00Kw	2.00	unit/s						
3.3.11	FCU/14 GF Maintenance & MRF Office Capacity: 8.00Kw	3.00	unit/s						
SECOND FLOOR									
3.3.12	ACCU/9 Roof Deck Capacity: 12.50Kw	1.00	unit/s						
3.3.13	FCU/15 2F Lost & Found Capacity: 5.40Kw	4.00	unit/s						
3.3.14	FCU/16 2F Costume Office Capacity: 7.50Kw	1.00	unit/s						
3.3.15	ACCU/10 Roof Deck Capacity: 11.20Kw	7.00	unit/s						
3.3.16	FCU/17 2F Concession 1 Capacity: 11.20Kw	6.00	unit/s						
3.3.17	ACCU/13 Roof Deck Capacity: 16.20Kw	1.00	unit/s						
3.3.18	FCU/20 2F Quarantine Office Capacity: 16.20Kw	1.00	unit/s						
3.3.19	ACCU/14 Roof Deck Capacity: 88.20Kw	1.00	unit/s						
3.3.20	FCU/25 2F Conference Room Capacity: 12.00Kw	1.00	unit/s						
3.3.21	FCU/26 2F Administration Office Capacity: 10.30Kw	2.00	unit/s						
3.3.22	FCU/27 2F Operation & Command Office Capacity: 11.20Kw	2.00	unit/s						
3.3.23	FCU/28 2F Concession -1 Capacity: 6.50Kw	3.00	unit/s						
3.3.24	FCU/31 2F Duty Free Capacity: 5.80Kw	3.00	unit/s						
3.3.25	ACCU/19 Roof Deck Capacity: 72.60Kw	1.00	unit/s						
3.3.26	FCU/32 2F Flight Plan Room Capacity: 8.40Kw	5.00	unit/s						
3.3.27	FCU/36 2F Luggage Inspection Capacity: 13.80Kw	3.00	unit/s						
3.3.28	ACCU/20 Roof Deck Capacity: 42.00Kw	1.00	unit/s						
3.3.29	FCU/41 2F Operation & Command Control Office Capacity: 7.91Kw	2.00	unit/s						
3.3.30	ACCU/21 Roof Deck Capacity: 28.00Kw	1.00	unit/s						
3.3.31	FCU/42 2F CIP Lounge Capacity: 14.00Kw	2.00	unit/s						
3.3.32	ACCU/22 Roof Deck Capacity: 112.00Kw	3.00	unit/s						
3.3.33	FCU/43 2F Boarding Bridge-1 Capacity: 16.00Kw	9.00	unit/s						
3.3.34	FCU/44 2F Air Side Corridor Capacity: 16.00Kw	12.00	unit/s						
3.4.1	Consumables, Hangers & Supports	1.00	Lot						
SUB - TOTAL									

[illegible]

TOTAL OF PART SECTION 6200 - VENTILATION AND AIRCONDITIONING SYSTEM												
SECTION 5300 FIRE PROTECTION SYSTEM												
3.0	STAND PIPE SYSTEM											
3.1	Fire Department Connection	2.00	set									
4.0	HOSE STATIONS											
4.1	Fire Hose Cabinet Incl. accessories	23.00	set									
5.0	FM GAS SYSTEM											
5.1	FM 200 Gas System with complete accessories (incl. pipes, detection system, nozzle, alarm system and other accessories to complete the works	1.00	Assy.									
6.0	FIRE EXTINGUISHER											
6.1	Fire Extinguisher, 100 lbs. CO2, Wheeled Type	12.00	pos.									
SUB - TOTAL												
8.0	FIRE PUMP AND JOCKEY PUMP											
8.1	Fire Pump	1.00	unit									
8.2	Jockey Pump	1.00	unit									
8.3	Testing and Commissioning	1.00	Lot									
8.4	Miscellaneous and Consumable Items	1.00	Lot									
SUB - TOTAL												
TOTAL OF PART SECTION 6300 - FIRE PROTECTION WORKS												
TOTAL OF PART SECTION 6000 - MECHANICAL WORKS												
SECTION SERIES 6000 - ELECTRICAL WORKS												
SECTION 6100 POWER FEEDER SYSTEM SYSTEM												
1.1	Wires and Cables											
1.1.1	250mm ² THHN	30.688.00	l.m.									
1.1.2	150mm ² THHN	1.365.00	l.m.									
1.1.3	125mm ² THHN	1.632.00	l.m.									
1.1.4	100mm ² THHN	2.850.00	l.m.									
1.1.5	80mm ² THHN	1.112.00	l.m.									
1.1.6	50mm ² THHN	10.570.00	l.m.									
1.1.7	35mm ² THHN	600.00	l.m.									
1.1.8	30mm ² THHN	1.150.00	l.m.									
1.1.9	22mm ² THHN	1.280.00	l.m.									
1.1.10	14mm ² THHN	500.00	l.m.									
1.1.11	8.0mm ² THHN	2.650.00	l.m.									
1.1.12	5.5mm ² THHN	12.750.00	l.m.									
1.1.13	3.5mm ² THHN	88.500.00	l.m.									
1.2.0	Conduits/Raceways											
1.2.7	25mmID x 3m IMC with Coupling	123.00	length									
1.2.7.1	20mmID x 3m IMC with Coupling	620.00	length									
1.2.7.2	15mmID x 3m IMC with Coupling	6.500.00	length									
1.2.14	25mmID IMC ELBOW	12.00	pos									
1.2.15	20mmID IMC ELBOW	70.00	pos									
1.2.16	15mmID IMC ELBOW	85.00	pos									
1.2.22	25mmID LOCKNUT AND BUSHING	40.00	pairs									
1.2.23	20mmID LOCKNUT AND BUSHING	50.00	pairs									
1.2.24	15mmID LOCKNUT AND BUSHING	150.00	pairs									
1.3	Boxes and Ladder											
1.3.2	Junction Box (4x4) with cover	2.650.00	Pcs									
1.3.3	PULLBOX 4 x 4	50.00	Pcs									
1.3.4	PULLBOX 4 x 6	40.00	Pcs									
1.3.8	CABLE TRAY, LADDER TYPE WITH COVER and ACCESSORIES	140.00	lengths									
SUB - TOTAL												

FIBER DATA BACKBONE ROUGHING-IN MATERIALS									
2.7.1	Rough-in works: Conduit, Fittings, Pull Boxes and accessories							1.00	lot
2.7.2	Supports, Brackets, Channels, Clamps, etc.							1.00	lot
SUB - TOTAL									
SECTION 6400 CABLE TV SYSTEM									
2.2.1	RG11 Coaxial Cable, 75ohms, 60% Braid Black (35mIR)							150.00	lm
2.2.2	90% Solid Bare Copper Conductor 21% CTS, 95% Bare Copper Braid Shield Coaxial Cable Black (35mIR)							520.00	lm
2.2.3	Trunk Amplifier Outdoor Bi-Directional w AGC/ASC, 32dB, 42/54mhz - 4RP Output"							2.00	pcs
2.2.4	Power Supply 60VAC / 15amp							2.00	pcs
2.2.5	4-Way 17dB Tap-Off Outdoor							1.00	pcs
2.2.6	4-Way 20dB Tap-Off Outdoor							4.00	pcs
2.2.7	2-Way Outdoor Splitter 18dB							2.00	pcs
2.2.8	3-Way Outdoor Splitter Balanced							1.00	pcs
2.2.9	Directional Coupler 8dB 1 Way							2.00	pcs
2.2.10	Fiber to Coaxial Cable Converter, with Power Supply							52.00	pcs
2.2.11	RG 6 F Connector, Compression Type							10.00	pcs
2.2.12	RG 11 F Connector, Compression Type							187.00	lm
2.2.13	4 Core OM3 Indoor Fiber Optic Cable							2.00	pcs
2.2.14	6-Port Fiber Panel Wall mount SC Loaded MM							2.00	pcs
2.2.15	3M-SC-LC OM3 XG Fiber Optic Patchcord LPC							2.00	pcs
2.2.16	CATV Cabinet, 407mm (W) x 610mm (H) x 385mm (D), Ga no. 18 w/ backboard and lock							2.00	assy
DISTRIBUTION ROUGHING-INS MATERIALS									
2.3.1	Roughing in works : Conduits, Fittings, Pull Box, Junction Box and accessories							1.00	Lot
2.3.2	Support Bracket, Clamp and Accessories							1.00	Lot
SUB - TOTAL									
SECTION 6500 PUBLIC ADDRESS SYSTEM									
1.1.1	Ceiling Mount Speaker 5 inch 6w							141.00	ea
1.1.2	Compact Speaker (WHTT)							39.00	ea
1.1.3	Speaker System							16.00	ea
1.1.4	Paging Horn Speaker							3.00	ea
1.1.5	Ceiling Mount Microphone							3.00	ea
1.1.6	Attenuator							1.00	ea
1.1.7	Digital Announcer							1.00	ea
1.1.8	Rack Mounting Bracket							1.00	ea
1.1.9	Compact Disc Player							1.00	ea
1.1.10	Monitor Panel							1.00	ea
1.1.11	Line Supervisory							1.00	ea
1.1.12	Voice Evacuation Frame 4AB							3.00	ea
1.1.13	Digital Power Amplifier Module 500W							2.00	ea
1.1.14	Digital Power Amplifier Module 300W							5.00	ea
1.1.15	Digital Power Amplifier Module 150W							5.00	ea
1.1.16	Power Supply Manager							1.00	ea
1.1.17	Remote Microphone							6.00	ea
1.1.18	Remote Microphone Extension							2.00	ea
1.1.19	AC Adapter Power							7.00	ea
1.1.20	1-Size Blank Panel							5.00	ea
1.1.21	3-Size Blank Panel							2.00	ea
1.1.22	16 AWG, 2 CONDUCTORS, WHITE JACKET, 500FT BOX, Premium 16 gauge speaker cable, featuring 65 strand OFC conductors and a super-luxe outer jacket. Built to exacting standards with zero compromises.							5,638.00	l.m.
SUB - TOTAL									
SECTION 6600 MASTER CLOCK SYSTEM									
1.1.1	Wired Digital Clock							26.00	pc/s
1.1.2	Large Digital Clock							1.00	pc/s
1.1.3	Time Zone Clock							12.00	set
1.1.4	Master Clock							1.00	pc/s
1.1.5	GPS Antenna							1.00	pc/s
1.1.6	NTP Server							1.00	pc/s
1.1.7	Network Clock Monitor Software							1.00	set
1.1.8	Wire, cable and other accessories							1.00	lot
SUB - TOTAL									

SECTION 6800 - FIRE DETECTION ALARM SYSTEM										
1.0	DEVICES									
1.1.1	Fire Alarm Control Panel - 2 loops, Addressable, Red	3.00	set/s							
1.1.2	Pin Pad 12-12 (Back Up Battery 12VDC)	6.00	pc/s							
1.1.3	Wireless Remote Control	224.00	pc/s							
1.1.4	4" Radiant Sensor Base, Bone	235.00	pc/s							
1.1.5	Heat Sensor	11.00	pc/s							
1.1.6	Beam Detector	26.00	pc/s							
1.1.7	Local Combination Box (Lamp, MCP, Bell)	12.00	pc/s							
1.1.8	Flush Mount Box for LCD	12.00	pc/s							
1.1.9	Supervised Output Module	12.00	pc							
1.1.10	Zone Input Module	12.00	pc/s							
1.1.11	Automatic Voltage Regulator, 1000W	3.00	pc							
2.0	ROUGH-IN WORKS									
2.1.1	IMC pipe 20mm dia. Conduit pipe	1.470.00	length							
2.1.2	IMC pipe 20mm dia. Conduit pipe	1.470.00	pcs.							
2.1.3	IMC 1/2" dia.	17.00	rolls							
2.1.4	Junction Box	850.00	pc/s							
2.1.5	Junction box Connector 20mm dia.	1.700.00	pc/s							
2.1.6	Straight Connector 20mm dia.	715.00	pc/s							
2.1.7	500x500 mm dia. BOX	4.00	pc/s							
2.1.8	40mm dia. Conduit pipe for riser	5.00	length							
2.1.9	Hangers, Supports and other accessories	1.00	lot							
3.0	WIRINGS									
3.1	Wiring (TF Wire #16), single wire	10.675.00	l.m.							
SUB - TOTAL										
TOTAL OF PART SECTION 6000 - ELECTRICAL WORKS										
SECTION SERIES 7000 : SPECIAL EQUIPMENT										
SECTION 7200 : ELEVATORS AND ESCALATORS										
	Supply and installed including electrical, mechanical and civil works to complete the works									
1.1	Passenger Elevator	2.00	Unit							
1.2	Passenger Elevator/Scenic	1.00	Unit							
1.3	Indoor Escalator	3.00	Unit							
SUB - TOTAL										
SECTION 7700 : FLOOD CONTROL SYSTEM										
1.01	System H1, 200 RS Dismountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Middle Supports, FCD-1-1 - Gate Entrance-FCD-1-2 - Gate Entrance	2.00	ASSY							
1.02	System H1, 200 RS Dismountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Corner Supports, FCD-2-1 - Fire Exit Avescom Rm.	2.00	ASSY							
1.03	RS Lift-Hinged Floodgate (Ground Beam with anchor plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby	5.00	ASSY							
1.04	RS Lift-Hinged Floodgate (Ground Beam with anchor plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby	5.00	ASSY							
SUB - TOTAL										
TOTAL OF PART SECTION 7000 - SPECIAL EQUIPMENT										
GRAND TOTAL COST										

Signature: _____
Printed Name: _____
Position: _____
Name Company: _____
Date: _____

UNIT PRICE ANALYSIS

SECTION SERIES 1000: GENERAL REQUIREMENTS

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PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING TACLOBAN AIRPORT, TACLOBAN CITY						
UNIT PRICE ANALYSIS						
SECTION SERIES 1000: GENERAL REQUIREMENTS						
SECTION 1120 : EMPLOYER'S AND ENGINEERS FACILITIES						
ITEM No.	: 1.1			Unit	:	Month
DESCRIPTION	: PROVISION OF FIELD OFFICE FOR THE ENGINEER INCLUDING OFFICE, STAFFHOUSE AND LABORATORY , & ELECTRIC, WATER BILLS (MINIMUM 250 sq.m) RENTAL BASIS			Unit Cost	:	
REF No.	QTY	Description	UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)
A EQUIPMENT						
		Field Office, Staff house and Laboratory @ P 35000.00 /mo.	MoS.	1.00		
TOTAL A						
B LABOR						
			l.s.	1.00		
TOTAL B						
C MATERIALS						
		Electric Bill	Mos.	1.00		
		Water Bill	Mos.	1.00		
TOTAL C						
TOTAL (A+B+C)						
D ESTIMATED DIRECT COST						
E. OCM(0 - 8% OF D)						
F. PROFIT(0 - 8% OF D)						
G. VAT(5% OF (D+ F)						
H. TOTAL UNIT COST(D+F+G)						

SECTION 1120		:	EMPLOYER'S AND ENGINEERS FACILITIES			1	
ITEM No.		:	1.2			Unit : I.s.	
DESCRIPTION		:	Provision of Furnitures/Fixture, Equipment & Appliances for the Field Office of The Engineer			Direct Unit Cost :	
REF No.		Description		UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)
A		EQUIPMENT					

SECTION 1120		:	EMPLOYER'S AND ENGINEERS FACILITIES				14		
ITEM No.		:	1.3				Unit	:	months
DESCRIPTION		:	Operation and Maintenance of Field Office for the Engineer				Direct		
							Unit		
							Cost	:	
REF No.		Description			UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)	
A		EQUIPMENT							

SECTION 1120	:	EMPLOYER'S AND ENGINEERS FACILITIES		14
ITEM No.	:	1.4		months
DESCRIPTION	:	Provide and Maintenance Communication Equipment for the Engineer		
			Unit : Direct Unit Cost :	

REF No.	Description	UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)
A	EQUIPMENT				
	TOTAL A				
B	LABOR				
	TOTAL B				
C	MATERIALS				
	Mobile Phone - 4 units, Plan 1,500	unit	4.00		
	TOTAL C				
	TOTAL (A+B+C)				
D	ESTIMATED DIRECT COST				

SECTION 1120: EMPLOYERS AND ENGINEERS FACILITIES					TOTAL UNIT COST		P/ea.	
ITEM NO. 1.5								
DESCRIPTION: PROJECT SIGNBOARD (Within the Project)								
PRICE COMPONENT					COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (10% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Plywood Marine (0.019m x 1.20m x 2.44m)	1.00	pc.					
	Lumber, KD S4S	84.00	bf.					
	4" x 4" x 2mm Tubular Steel	4.00	pc.					
	GI Pipe Schedule 40 dia. 3"	1.00	pc.					
	paint Thinner	0.20	gal.					
	Paint ReflectORIZED	0.80	gal.					
	Common Nails Assorted	1.50	kg.					
	Miscellaneous (5% of Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 1130		ENVIRONMENTAL MANAGEMENT AND MONITORING				6	
ITEM No.		1.1				Unit : months	
DESCRIPTION		Environmental Monitoring and Laboratory Testing				Direct Unit Cost :	
REF No.		Description	UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)	
A		EQUIPMENT					
		EQUIPMENT 10% OF LABOR COST					
		TOTAL A					
B		LABOR					
		Multi-partite -Monitoring Team 1- Environmental officer 3- Staff	Mos. Mos.	1.00 1.00			
		TOTAL B					
C		MATERIALS					
		MONITORING: WATER QUALITY PHYSICO-CHEMICAL PARAMETERS AIR QUALITY SULFUR DIOXIDE NITROGEN DIOXIDE TOTAL SUSPENDEED PARTICULATE (Above Costs include Transport and Laboratory Anaysis)	Mos. Mos.	1.00 1.00			
		TOTAL C					
		TOTAL (A+B+C)					
D		ESTIMATED DIRECT COST					

SECTION 1165: CONTRACTORS SUBMISSION					TOTAL UNIT COST		P/l.s.	
ITEM NO. 1.1								
DESCRIPTION: PROGRESS PHOTOGRAPHS								
PRICE COMPONENT					COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
TOTAL A								
B. EQUIPMENT								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Camera,Maintenance Cost	1.00	pc.					
	Printing	20.00	pc.					
	Reproduction	200.00	pc.					
	CD	4.00	pc.					
	Miscellaneous (5% of Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 1210 :		PROJECT EQUIPMENT				
ITEM No.	: 1.1				Unit : month	
DESCRIPTION	: Service Vehicle for the Engineer, Provide (2 Unit) Brand new Pick-up 4x2 Diesel Powered including operation and Maintenance.				Direct Unit Cost :	
REF No.	QTY	Description	UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)
A		EQUIPMENT				
		Vehicle 2,000/day*30 days for 14 months	Mos.	1.00		
		TOTAL A				
B		LABOR				
		Driver	mos.	1.00		
		TOTAL B				
C		MATERIALS				
		- 15 liters diesel/day @35x30 days	mos.	1.00		
		-Lubricants and Oil, Repair (10% of Above)	mos.	1.00		
		TOTAL C				
		TOTAL (A+B+C)				
D		ESTIMATED DIRECT COST				

SECTION 1210 :		PROJECT EQUIPMENT			1.00	
ITEM No.	: 1.2	Unit : l.s.				
DESCRIPTION	: Surveying Instruments	Direct Unit Cost :				
REF No.	QTY	Description	UNIT	NO. OF UNIT	UNIT COST	Total Cost (Peso)
A		EQUIPMENT				
		Electronic Total Station	unit	1.00		
		Level Equipment with Tripod	unit	1.00		
		Prism with Range Pole	ea.	3.00		
		Levelling Rod	ea.	3.00		
		50 meters tapes	ea.	2.00		
		(others 5% of the aboved)				
		TOTAL A				
B		LABOR				
		TOTAL B				
C		MATERIALS				
		TOTAL C				
		TOTAL (A+B+C)				
D		ESTIMATED DIRECT COST				

**PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING
TACLOBAN AIRPORT, TACLOBAN CITY**

UNIT PRICE ANALYSIS

SECTION 2100 : EARTHWORKS										
ITEM NO: 2110				TOTAL UNIT COST		P/has.				
DESCRIPTION: CLEARING AND GRUBBING										
PRICE COMPONENT				QTY.	UNIT	P/UNIT	COMPONENT		COST	
							LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR										
L13	Foreman			1.00	hr.					
L20	Skilled Laborer			2.00	hr.					
L21	Unskilled Laborer			4.00	hr.					
TOTAL A										
B. EQUIPMENT										
E030	Crawler Tractor with Dozer, 105 hp., Komatsu (D41P-6)			1	hr.	1,915.00				
E039	Dump Truck, 9 - 11.99 cu.yd., 275 hp. All Models			2	hr.	1,420.00				
E072	Wheel Loader, 1.53 cu.m., 98.0 hp. Catterpillar			1	hr.	1,329.00				
	Minor Tools (10% of Labor)					-				
TOTAL FOR B										
TOTAL A + B										
C. OUTPUT				0.0800 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C										
E. MATERIALS										
TOTAL E										
F. ESTIMATED DIRECT COST(D+E)										
G. OCM(0 - 8% OF F)										
H. PROFIT(0 - 8% OF F)										
I. VAT(5% OF (F+G+H))										
J. TOTAL UNIT COST(F+G+H+I)										

SECTION 2100 : EARTHWORKS				TOTAL UNIT COST		P/cu.m.				
ITEM NO: 2140 (1)										
DESCRIPTION: EMBANKMENT FROM BORROW										
PRICE COMPONENT				QTY.	UNIT	P/UNIT	COMPONENT		COST	
							LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR										
L14	Leadman			1.00	hr.					
L20	Skilled Laborer			2.00	hr.					
L21	Unskilled Laborer			4.00	hr.					
TOTAL A										
B. EQUIPMENT										
E050	Pneumatic Roller (Self-Propelled), 15tonnes, 160 hp, 13-WHL-750x15, 4			1.00	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes			0.50	hr.					
E039	Dump Truck, 9 - 11.99 cu.yd., 275 hp. All Models			2.00	hr.					
E071	Wheel Loader, 1.45 cu.m., 85.0 hp. WA120-3 Komatsu			1.00	hr.					
E080	Motorized Grader, 125hp, SZN (2012-UP) Catterpillar			1.00	hr.					
Minor Tools (10% of Labor)										
TOTAL FOR B										
TOTAL A + B										
C. OUTPUT				50.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C										
E. MATERIALS										
M110	SELECTED FILL MATERIAL (BARROW) (Shrinkage Factor 25%)			1.15	cu.m					
TOTAL E										
F. ESTIMATED DIRECT COST(D+E)										
G. OCM(0 - 8% OF F)										
H. PROFIT(0 - 8% OF F)										
I. VAT(5% OF (F+G+H))										
J. TOTAL UNIT COST(F+G+H+I)										

SECTION 2100 : EARTHWORKS				TOTAL UNIT COST		P/sq.m.	
ITEM NO: 2150							
DESCRIPTION: SUBGRADE PREPARATION (COMMON MATERIALS)							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	
				</			

SECTION 2200 : PAVEMENT WORKS				TOTAL UNIT COST		P/cu.m.	
ITEM NO: 2210							
DESCRIPTION: GRANULAR SUB BASE COURSE							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2200 : PAVEMENT WORKS				TOTAL UNIT COST		P/sq.m.		
ITEM NO: 2280 (2)								
DESCRIPTION: PORTLAND CEMENT CONCRETE PAVEMENT (250 MM THICK)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	6.00	hr.					
L21	Unskilled Laborer	12.00	hr.					
TOTAL A								
B. EQUIPMENT								
E007	Bar Cutter Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	0.50	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m	2.00	hr.					
E017	Concrete Screeder, 5.5 hp., Wacker Screeder	1.00	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes	1.00	hr.					
E015	Concrete Cutter, 13 hp., Self-propelled	1.00	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				32.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M195	Rmc, 3500 psi @ 28 days c. Period, 1" (ORDINARY) CLASS"A"	0.25	lit.					
M148	Reinforcing Steel Bar (Grade 60)	0.50	kilo					
M231	Asphalt Sealant	0.50	kg.					
M138	Steel Forms	0.50	sq.m.					
	Pipe Sleeve	0.0078	l.m.					
	Grease Star	0.0078	liter					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2200 : PAVEMENT WORKS					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 2280 (1)								
DESCRIPTION: PORTLAND CEMENT CONCRETE PAVEMENT (200 MM THICK)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	6.00	hr.					
L21	Unskilled Laborer	12.00	hr.					
TOTAL A								
B. EQUIPMENT								
E007	Bar Cutter Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	0.50	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m	2.00	hr.					
E017	Concrete Screeder, 5.5 hp., Wacker Screeder	1.00	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes	1.00	hr.					
E015	Concrete Cutter, 13 hp., Self-propelled	1.00	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					35.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M195	Rmc, 3500 psi @ 28 days c. Period, 1" (ORDINARY) CLASS"A"	0.20	cu.m.					
M148	Reinforcing Steel Bar (Grade 60)	0.50	kilo					
M231	Asphalt Sealant	0.50	kg.					
M138	Steel Forms	0.46	sq.m.					
	Pipe Sleeve	0.0078	l.m.					
	Grease Star	0.0078	liter					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2200 : PAVEMENT WORKS				TOTAL UNIT COST		P/sq.m.		
ITEM NO: 2290 (1)								
DESCRIPTION: REFLECTORIZED THERMOPLASTIC PAVEMENT MARKINGS (WHITE)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E065	Thermoplastic Applicator	1.00	hr.					
E057	Kneader	1.00	hr.					
E056	Service Truck	1.00	hr.					
Minor Tools (10% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					25.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ReflectORIZED Thermoplastic Paint including component, 3.2mm. thick Miscellaneous (5% of Materials)	1.00	sq.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2300 : DRAINAGE SYSTEM					TOTAL UNIT COST		P/L.M.				
ITEM NO: 2310 (1)											
DESCRIPTION: REINFORCED CONCRETE PIPE CULVERT CL II, 610 MM DIA.											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT	COST		
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L14	Leadman				1.00	hr.					
L20	Skilled Laborer				1.00	hr.					
L21	Unskilled Laborer				4.00	hr.					
TOTAL A											
B. EQUIPMENT											
E051	Plate Compactor, 13.50 hp., Diesel - Reversible				1.00	hr.					
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes				0.25	hr.					
	Minor Tools (10% of Labor)										
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
M238	REINFORCED CONCRETE PIPE CLASS II 610mm DIA.				1.00	m					
	Cement Mortar (1:3)				0.065	cu.m.					
M109	GRAVEL BEDDING				0.18	cu.m.					
	Miscellaneous 5% of RCP										
TOTAL E											
F. ESTIMATED DIRECT COST(D+E)											
G. OCM(0 - 8% OF F)											
H. PROFIT(0 - 8% OF F)											
I. VAT(5% OF (F+G+H))											
J. TOTAL UNIT COST(F+G+H+I)											

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/L.M.		
ITEM NO: 2310 (2)								
DESCRIPTION: REINFORCED CONCRETE PIPE CULVERT CL II, 760 MM DIA.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L14	Leadman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	1.00	hr.					
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes	0.25	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M239	REINFORCED CONCRETE PIPE CLASS II 760mm DIA.	1.00	m					
	Cement Mortar (1:3)	0.065	cu.m.					
M109	GRAVEL BEDDING	0.18	cu.m.					
	Miscellaneous 5% of RCP							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/L.M.		
ITEM NO: 2310 (3)								
DESCRIPTION: REINFORCED CONCRETE PIPE CULVERT CL II, 910 MM DIA.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L14	Leadman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	1.00	hr.					
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes	0.25	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				3.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M240	REINFORCED CONCCRETE PIPE CLASS II 910mm DIA.	1.00	m					
	Cement Mortar (1:3)	0.065	cu.m.					
M109	GRAVEL BEDDING	0.18	cu.m.					
	Miscellaneous 5% of RCP							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2300 : DRAINAGE SYSTEM					TOTAL UNIT COST		P/L.M.	
ITEM NO: 2310 (4)								
DESCRIPTION: REINFORCED CONCRETE PIPE CULVERT CL II, 1070 MM DIA.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L14	Leadman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	1.00	hr.					
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes	0.25	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M241	REINFORCED CONCRETE PIPE CLASS II 1070mm DIA.	1.00	m					
	Cement Mortar (1:3)	0.092	cu.m.					
M109	GRAVEL BEDDING	0.21	cu.m.					
	Miscellaneous 5% of RCP							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2300 : DRAINAGE SYSTEM					TOTAL UNIT COST		P/L.M.				
ITEM NO: 2310 (5)											
DESCRIPTION: REINFORCED CONCRETE PIPE CULVERT CL II, 1220 MM DIA.											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L14	Leadman				1.00	hr.					
L20	Skilled Laborer				1.00	hr.					
L21	Unskilled Laborer				4.00	hr.					
TOTAL A											
B. EQUIPMENT											
E051	Plate Compactor, 13.50 hp., Diesel - Reversible				1.00	hr.					
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes				0.25	hr.					
	Minor Tools (10% of Labor)										
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
M242	REINFORCED CONCRETE PIPE CLASS II 1220mm DIA.				1.00	m					
	Cement Mortar (1:3)				0.092	cu.m.					
M109	GRAVEL BEDDING				0.21	cu.m.					
	Miscellaneous 5% of RCP										
TOTAL E											
F. ESTIMATED DIRECT COST(D+E)											
G. OCM(0 - 8% OF F)											
H. PROFIT(0 - 8% OF F)											
I. VAT(5% OF (F+G+H))											
J. TOTAL UNIT COST(F+G+H+I)											

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/cu.m.				
ITEM NO: 2310 (6)										
DESCRIPTION: PIPE CULVERT AND DRAINAGE EXCAVATION										
PRICE COMPONENT				QTY.	UNIT	P/UNIT	COMPONENT		COST	
							LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR										
L14	Leadman			1.00	hr.					
L20	Skilled Laborer			1.00	hr.					
L21	Unskilled Laborer			6.00	hr.					
TOTAL A										
B. EQUIPMENT										
E039	Dump Truck, 9 - 11.99 cu.yd., 275 hp. All Models			2.00	hr.					
E072	Wheel Loader, 1.53 cu.m., 98.0 hp. Catterpillar			1.00	hr.					
E042	Hydraulic Excavator/Backhoe, W.M., 0.50 cu.m., 128.0 hp DAEWOO			1.00	hr.					
	Minor Tools (10% of Labor)									
TOTAL FOR B										
TOTAL A + B										
C. OUTPUT				30.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C										
E. MATERIALS										

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/EACH	
ITEM NO: 2320 (1)							
DESCRIPTION: MANHOLE/INLET (INCLUDING COVER)							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/EACH	
ITEM NO: 2320 (2)							
DESCRIPTION: MANHOLE, 1.50 x1.50m							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	
				COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L14	Leadman	1.00	hr.				
L20	Skilled Laborer	4.00	hr.				
L21	Unskilled Laborer	6.00	hr.				
TOTAL A							
B. EQUIPMENT							
E013	Concrete Mixer, 1 bagger, 4 - 6 cu. Ft.	1.00	hr.				
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m	0.50	hr.				
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes	0.25	hr.				
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	0.50	hr.				
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.25	hr.				
	Miscellaneous (10% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
M100	PORTLAND CEMENT, TYPE 1, 40 kgs.	28.00	bag				
M105	FINE AGGREGATE, White	1.20	cu.m				
M107	CRUSHED AGGREGATE 3/8"	2.60	cu.m				
M147	REINFORCING STEEL BAR DEFORMED GRADE 40	156.00	kg				
M109	GRAVEL BEDDING	0.38	cu.m				
	Formwork & Misc. (3% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 2300 : DRAINAGE SYSTEM					TOTAL UNIT COST		P/EACH	
ITEM NO: 2320 (3)								
DESCRIPTION: SURFACE INLET MANHOLE, 1.50 x1.50m								
PRICE COMPONENT					QTY.	UNIT	P/UNIT	
					COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L14	Leadman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E013	Concrete Mixer, 1 bagger, 4 - 6 cu. Ft.	1.00	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m	0.50	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes	0.25	hr.					
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	0.50	hr.					
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.25	hr.					
	Miscellaneous (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M100	PORTLAND CEMENT, TYPE 1, 40 kgs.	26.00	bag					
M105	FINE AGGREGATE, White	1.30	cu.m					
M107	CRUSHED AGGREGATE 3/8"	2.60	cu.m					
M147	REINFORCING STEEL BAR DEFORMED GRADE 40	169.00	kg					
M109	GRAVEL BEDDING	0.38	cu.m					
	Steel Grating	1.00	pc.					
	Formwork & Misc. (3% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 2300 : DRAINAGE SYSTEM				TOTAL UNIT COST		P/EACH	
ITEM NO: 2320 (4)							
DESCRIPTION: CATCH BASIN (910 MM DIA.), 2.00 M X 4.00M X 1.50M)							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2300 : DRAINAGE SYSTEM					TOTAL UNIT COST		P/EACH				
ITEM NO: 2320 (5)											
DESCRIPTION: Out fall Headwall & wingwalls											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L13	Foreman				1.00	hr.					
L20	Skilled Laborer				4.00	hr.					
L21	Unskilled Laborer				6.00	hr.					
TOTAL A											
B. EQUIPMENT											
E013	Concrete Mixer, 1 bagger, 4 - 6 cu. Ft.				1.00	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m				0.50	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes				0.25	hr.					
E051	Plate Compactor, 13.50 hp., Diesel - Reversible				0.50	hr.					
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes				0.25	hr.					
	Miscellaneous (10% of Labor)										
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					0.15 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
M100	PORTLAND CEMENT, TYPE 1, 40 kgs.				36.00	bag					
M105	FINE AGGREGATE, White				1.80	cu.m					
M107	CRUSHED AGGREGATE 3/8"				3.60	cu.m					
M147	REINFORCING STEEL BAR DEFORMED GRADE 40				288.00	kg					
M109	GRAVEL BEDDING				0.68	cu.m					
	Formwork & Misc. (3% of the Above)						-				
TOTAL E											
F. ESTIMATED DIRECT COST(D+E)											
G. OCM(0 - 8% OF F)											
H. PROFIT(0 - 8% OF F)											
I. VAT(5% OF (F+G+H))											
J. TOTAL UNIT COST(F+G+H+I)											

SECTION 2400 : MISCELLANEOUS WORKS				TOTAL UNIT COST		P/L.M.	
ITEM NO: 2410 (1)							
DESCRIPTION: CONCRETE CURB AND GUTTER							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2400 : MISCELLENEOUS WORKS				TOTAL UNIT COST		P/L.M.	
ITEM NO: 2410 (2)							
DESCRIPTION: CONCRETE CURB							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2400 : MISCELLANEOUS WORKS					TOTAL UNIT COST		P/sq.m.				
ITEM NO: 2410 (3)											
DESCRIPTION: WALKWAYS/CONCRETE SIDEWALK, 100 MM THICK											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L14 Leadman					1.00	hr.					
L20 Skilled Laborer					2.00	hr.					
L21 Unskilled Laborer					6.00	hr.					
TOTAL A											
B. EQUIPMENT											
E016 Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m					1.00	hr.					
E068 Water Truck w/ water pump, 16,000 liters, 360.0 hp. All Makes					1.00	hr.					
E015 Concrete Cutter, 13 hp., Self-propelled					1.00	hr.					
Miscellaneous (10% of Labor)											
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					60.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
M192 Rmc, 3000 psi @ 28 days c. Period, 3/4" (ORDINARY) CLASS"A"					0.105	cu.m.					
M231 Asphalt Sealant					0.12	kg.					
M138 Steel Forms					0.20	sq.m.					
Formwork & Misc. (10% of the Above)											
TOTAL E											
F. ESTIMATED DIRECT COST(D+E)											
G. OCM(0 - 8% OF F)											
H. PROFIT(0 - 8% OF F)											
I. VAT(5% OF (F+G+H))											
J. TOTAL UNIT COST(F+G+H+I)											

SECTION 2400 : Miscellaneous				TOTAL UNIT COST		P/cu.m.	
ITEM NO: 2413							
DESCRIPTION: Grouted Riprap							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 2600 : PRECAST CONCRETE PILES					TOTAL UNIT COST		P/EACH				
ITEM NO: 2600 (1)											
DESCRIPTION: PRECAST REINFORCED CONCRETE PILES, FURNISHED											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L13	Foreman				1.00	hr.					
L20	Skilled Laborer				4.00	hr.					
L21	Unskilled Laborer				8.00	hr.					

SECTION 2600 : PRECAST CONCRETE PILES				TOTAL UNIT COST		P/EACH	
ITEM NO: 2600 (2)							
DESCRIPTION: PRECAST REINFORCED CONCRETE PILES,DRIVEN							
PRICE COMPONENT				QTY.	UNIT	P/UNIT	

SECTION 1400 : CONCRETE FOR STRUCTURES

ITEM NO: 1.1, 1.9

TOTAL UNIT COST

P/cu.m.

DESCRIPTION: Structural Concrete 30 Mpa

PRICE COMPONENT				COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	4.00	hr.				
L21	Unskilled Laborer	10.00	hr.				
TOTAL A							
B. EQUIPMENT							
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m	2.00	hr.				
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				5.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rmc, 4000 psi @ 28 days c. Period, 3/4" (ORDINARY) CLASS"A"	1.05	cu.m.				
	CURING COMPOUND	0.30	Liter				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 1400 : CONCRETE FOR STRUCTURES

ITEM NO: 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8

DESCRIPTION: Structural Concrete 30Mpa

TOTAL UNIT COST

P/cu.m.

PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	10.00	hr.					
TOTAL A								
B. EQUIPMENT								
E019	Concrete Pump/Trailer/Truck Mounted (Cont.), Turbo UNI30, 8 Round 3.0 -5.0 cu.m/hr.	1.00	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m Minor Tools (10 of Labor)	2.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		5.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rmc, 30 Mpa @ 28 days c. Period, 3/4" (PUMPCRETE) CLASS"A"	1.05	cu.m.					
	CURING COMPOUND	0.30	Liter					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 1420 : STEEL REINFORCEMENT

ITEM NO: 2.1.1, 2.5.1, 2.6.1, 2.8.1

TOTAL UNIT COST

P/kg.

DESCRIPTION: REINFORCING STEEL (GRADE 40)

PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E006	Bar Bender Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	1.00	hr.					
E007	Bar Cutter Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	0.50	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes Minor Tools (10 of Labor)	0.30	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		150.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Reinforcing Steel Bar Deformed (Grade 40)	1.00	kg					
	Tie Wire # 16 (2% of RSB)	0.02	kg					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 1420 : STEEL REINFORCEMENT

ITEM NO: 2.1.2, 2.2, 2.3, 2.4, 2.5.2, 2.6.2, 2.7, 2.8.2, 2.9

TOTAL UNIT COST

P/kg.

DESCRIPTION: REINFORCING STEEL (GRADE 60)

PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E006	Bar Bender Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	1.00	hr.					
E007	Bar Cutter Machine, Grade 40, Max. Rebar Dia. -42mm. All Makes	0.50	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.30	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		130.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Reinforcing Steel Bar Deformed (Grade 60)	1.00	kg.					
	Tie Wire # 16 (2% of RSB)	0.02	kg.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4230: STRUCTURAL STEEL WORKS					TOTAL UNIT COST		P/kg.	
ITEM NO: 1.1								
DESCRIPTION: Structural Steel								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	10.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.50	hr.					
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	0.40	hr.					
E069	Welding Machine, 300 Amp., 48.0 hp., Gas/Diesel Driven	1.00	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					150.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Structural Steel	1.00	kg.					
	Welding Rod	0.05	kg.					
	Paint Metal Epoxy	0.005	gal					
	Top Coat (Acqua Epoxy)	0.005	gal					
	Epoxy Reducer	0.005	gal					
	Brush Roller (152mm)	0.10	pc					
	Brush Paint (101mm)	0.10	pc					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING TACLOBAN AIRPORT, TACLOBAN CITY								
UNIT PRICE ANALYSIS								
SECTION 3000 SERIES : UTILITIES WORKS					TOTAL UNIT COST		P/l.m.	
ITEM NO: 3.1.1								
DESCRIPTION : PVC Pipe 50 mm dia. & Fitting								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		4.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	PVC Pipe 50 mm dia.	1.00	l.m.					
	Solven Cement 1liter	0.030	can					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/l.m.	
ITEM NO: 3.1.2							
DESCRIPTION : PVC Pipe 65 mm dia. & Fitting							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				4.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
PVC Pipe 65 mm dia. & Fitting	1.00	pc.					
Solven Cement 1liter	0.030	can					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/pc.	
ITEM NO: 3.1.3							
DESCRIPTION : PVC Elbow 50 mm dia.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				3.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
PVC Elbow 2"	1.00	pc.					
Solven Cement 1liter	0.030	can					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/ea.	
ITEM NO: 3.1.4							
DESCRIPTION : 65 mm dia. PVC Elbow							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
65 mm dia. PVC Elbow	1.00	pc.					
Solven Cement 1liter	0.050	can					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/pc.	
ITEM NO: 3.1.5							
DESCRIPTION : 50mm dia PVC TEE							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
</							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/set	
ITEM NO: 3.1.6							
DESCRIPTION : Gate Valve 2" & Fittings							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Gate Valve 2 1/2"	1.00	set					
Tafelon	4.000	roll					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/set	
ITEM NO: 3.1.7							
DESCRIPTION : Gate Valve 65 mm dia. & Fittings							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Gate Valve 65 mm dia.	1.00	set					
Tafelon	4.000	roll					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/set.	
ITEM NO: 3.1.8							
DESCRIPTION : Check Valve 65 mm & Fittings							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Check Valve 65 mm	1.00	set					
Tafelon	4.000	can					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3000 SERIES : UTILITIES WORKS				TOTAL UNIT COST		P/set	
ITEM NO: 3.1.9							
DESCRIPTION : 2 1/2" Bulk Meter Flanged Type							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	4.00	hr.					
L21 Unskilled Laborer	6.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
2 1/2" Bulk Meter Flanged Type	1.00	set					
Tafelon	4.000	roll					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 3130 : WATER STORAGE TANK				TOTAL UNIT COST		P/set		
ITEM NO: 3130.1								
DESCRIPTION : Supply & Install 80,000 gal. Elevated Water Bolted Tank Complete with Stell Platform/Support base, B.I. Ladder and Standard Fittings, Including shut off Valve & Water Level Control.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	10.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
E020	Crane, Hydraulic, 26 - 30 tonnes, 210 hp., All Models	1.00	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type	1.00	hr.					
	Minor Tools (10 of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0042 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	80,000 gal. Water Storage Tank (SS or Equivalent), Complete with shut off valve in cluding	1.00	set					
M196	Rmc, 4000 psi @ 28 days c. Period, 3/4" (ORDINARY) C	95.00	cu.m					
M147	REINFORCING STEEL BAR DEFORMED GRADE 40	8,075.00	kgs					
M148	REINFORCING STEEL BAR DEFORMED GRADE 60	6,175.00	kgs					
M233	WATER PROOFING (BITUMINOUS MEMBRANE) 2.30m²	36.52	gal.					
	Tax and duty incl. delivery charge	1.00	l.s					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM				TOTAL UNIT COST		P/Assy		
ITEM NO: 3.2.1								
DESCRIPTION : 500kVA dry-type Transformer, 460/230V, 3Ø, 60 Hz, Complete w/ Accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	1.00	hr.					
E020	Crane, Hydraulic, 26 - 30 tonnes, 210 hp., All Models	2.00	hr.					
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	500kVA dry-type Transformer, 460/230V, 3Ø, 60 Hz, Complete w/ Accessories	1.00	Assy					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM				TOTAL UNIT COST		P/Assy		
ITEM NO: 3.2.2								
DESCRIPTION :Low Volatge Switch Gear : MAIN: 4000AT/4000AF, 460V, 3P, 65kAIC, 3Ø, 60 Hz, ACB, NEMA 1, Complete with Accessories (Integrated with ATS)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (10% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.01 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Low Voltage Switch Gear : MAIN: 4000AT/4000AF, 460V, 3P, 65kAIC, 3Ø, 60 Hz, ACB, NEMA 1, Complete with Accessories (Integrated with ATS)	1.00	Assy					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM					TOTAL UNIT COST		P/Assy	
ITEM NO: 3.2.3								
DESCRIPTION : UPS1, 30kVA, 230V, 3-Phase, 4-Wire								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (10% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	UPS1, 30kVA, 230V, 3-Phase, 4-Wire	1.00	Assy					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM				TOTAL UNIT COST		P/Assy		
ITEM NO: 3.2.4, 3.2.5, 3.2.6								
DESCRIPTION : UPS, 60kVA, 230V, 3-Phase, 4-Wire								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (10% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.04 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	UPS, 60kVA, 230V, 3-Phase, 4-Wire	1.00	assy					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM					TOTAL UNIT COST		P/m	
ITEM NO: 3.2.7								
DESCRIPTION : 250 mm² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.60 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	250 mm² THHN	1.00	m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM					TOTAL UNIT COST		P/m	
ITEM NO: 3.2.8								
DESCRIPTION : 200 mm² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.78 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	200 mm² THHN	1.00	m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM				TOTAL UNIT COST		P/l.m.		
ITEM NO: 1.1.6								
DESCRIPTION : 50mm²THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		2.77 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	50mm²THHN	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3200 : POWER SUPPLY SYSTEM				TOTAL UNIT COST		P/Lot		
ITEM NO: 3.2.12								
DESCRIPTION : Civil works (underground concrete duct, handhole, concrete post and other necessary works to complete the system)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	8.00	hr.					
L21	Unskilled Laborer	14.00	hr.					
TOTAL A								
B. EQUIPMENT								
E013	Concrete Mixer, 1 bagger, 4 - 6 cu. Ft.	1.00	hr.					
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-	1.00	hr.					
E068	Water Truck w/ water pump, 16,000 liters, 360.0 hp. All	0.25	hr.					
E051	Plate Compactor, 13.50 hp., Diesel - Reversible	0.25	hr.					
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
E042	Hydraulic Excavator/Backhoe, W.M., 0.50 cu.m., 128.0 hp DAEWOO	0.25	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0045 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M100	3/4" Thick Phenolic Plywood	160.00	sq.m.					
	Lumber, KD S2S	1,600.00	bd.ft.					
	PORTLAND CEMENT, TYPE 1, 40 kgs.	760.00	bag					
	FINE AGGREGATE, White	42.00	cu.m					
	CRUSHED AGGREGATE 3/8"	80.00	cu.m					
	REINFORCING STEEL BAR DEFORMED GRADE 40	5,200.00	kg					
	GRAVEL BEDDING	20.00	cu.m					
	Precast Cncrete Post	2.00	each					
	Precast Concrete HandHole (.40 x.40 m)	10.00	each					
	TOTAL E							
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 3300 :SEWAGE TREATMENT PLANT FACILITY					TOTAL UNIT COST		P/pc.	
ITEM NO: 3.3.1								
DESCRIPTION : Waste Water Treament Plant (Capacity 200 cm/day)including Civil works, Electrical materials, Pumps, Pipes and accessories to complete the works.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	8.00	hr.					
L21	Unskilled Laborer	12.00	hr.					
TOTAL A								
B. EQUIPMENT								
E056	Service Truck	1.00	hr.					
E036	Dewatering Pump, 5.5 hp. Diesel	1.00	hr.					
E005	Backhoe/Loader, 1.15 cu.m., 94 hp, Caterpillar (434E)	1.00	hr.					
E007	Bar Cutter Machine, Grade 40, Max. Rebar Dia. - 42mm. All Makes	1.00	hr.					
E006	Bar Bender Machine, Grade 40, Max. Rebar Dia. - 42mm. All Makes	1.00	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0031 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	G-cube 20 Tank, 200 cm/day capacity,incl.Pumps	1.00	Lot					
	Regulating Tank	1.00	Lot					
	Spare Parts	1.00	Lot					
	Panel Boards	1.00	Lot					
	Roughin-Ins	1.00	Lot					
	Wiring Devices	1.00	Lot					
	Wires and Cable	1.00	Lot					
M147	REINFORCING STEEL BAR DEFORMED GRADE 40	1,470.00	kg					
M193	Rmc, 3000 psi @ 28 days c. Period, 1/2" (ORDINARY) CLASS"A"	42.00	cu.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

**PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING
TACLOBAN AIRPORT, TACLOBAN CITY**

UNIT PRICE ANALYSIS

SECTION 4000 SERIES : ARCHITECTURAL WORKS

SECTION 4330 : ROOFING , CLADDING AND FACADES

TOTAL UNIT COST

P/sq.m.

ITEM NO: 1.2.1

DESCRIPTION : 50 MM X 150 MM ALUMINUM BAFFLE TIMBER GRAIN FINISHED

PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (20 %of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.50 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M396	ALUMINUM BAFFLE STRIP (Including support and accessories)	1.00	sq.m.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4330 : ROOFING , CLADDING AND FACADES					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 1.2.2								
DESCRIPTION : ACP-Aluminum Composite Panel, Including Metal Frame								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E056	Service Truck Minor Tools (10%of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACP- 4mm Aluminum Composite Panel Steel frame and Screw (35% of Materials)	1.00	sq.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4330 : ROOFING , CLADDING AND FACADES					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 1.2.4								
DESCRIPTION : ACP-Aluminum Composite Panel, Including Metal Frame with Fuse Metal Accent								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E056	Service Truck Minor Tools (10%of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACP- 4mm Aluminum Composite Panel	1.00	sq.m.					
	Metal Fuse	1.00	l.m.					
	Steel frame and Screw (30% of Materials)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4000 SERIES : ARCHITECTURAL WORKS								
SECTION 4370 : FINISHES (CEILING)				TOTAL UNIT COST		P/sq.m.		
ITEM NO: 1								
DESCRIPTION : 12mm thick Gypsum Board on Standard Suspended Metal Furring Frame								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M383	Gypsum Board 12mm thick (1.22m x 2.44m)	0.350	pcs.					
	Wall Metal Support 3m	1.500	pcs.					
	Double Furring Channel, 5m	1.000	pcs.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4370 : FINISHES (CEILING)				TOTAL UNIT COST		P/sq.m.	
ITEM NO: 2							
DESCRIPTION : .60 m x .60 m x 15 mm Acoustic Rockwool Ceiling with Suspended Steel Frame							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
M384 .60 m x.60m x15 mm Acoustic board)	3.000	pcs.					
Wall Metal Support 3m	1.500	pcs.					
Double Furring Channel, 5m	1.000	pcs.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(9% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4370 : FINISHES (ceiling)					TOTAL UNIT COST		P/l.m.	
ITEM NO: 3								
DESCRIPTION : 50 MM X 150 MM ALUMINUM BAFFLE TIMBER GRAIN FINISHED								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (20 %of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					20.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
M396	ALUMINUM BAFFLE STRIP (Including support and accesorios)	0.17	sq.m.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4370 : FINISHES (CEILING)				TOTAL UNIT COST		P/sq.m.	
ITEM NO: 4							
DESCRIPTION : Open Ceiling (Under Slab) Paint Finishes							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 4.00 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Water	0.05	cu.m.					
Latex Paint, Semi Gloss	0.0600	gal.					
Primer Paint	0.1200	gal.					
Acrylic color	0.0443	lit.					
Putty	0.0571	kg.					
Concrete Neutralizer	0.0243	gal.					
Sanding Paper	0.2714	pc					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4370 : FINISHES (ceiling)					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 5								
DESCRIPTION : Suspended Steel Wire Mesh 5 mm dia. With Polyester Resin baked Finished								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (20 %of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(C6) SUSPENDED STEEL WIRE MESH CEILING PANEL W/ POLYESTER RESIN BAKED FINISHING, DIAMETER 5MM AT 80MM PITCH ON CENTER T-BAR complete with necessary accessories/miscellaneous items.	1.00	sq.m.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4370 : FINISHES (CEILING)				TOTAL UNIT COST		P/sq.m.	
ITEM NO: 6							
DESCRIPTION : Powder Coated Metal Panel Ceiling, Including Metal Hungers/Runners							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	6.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				4.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Pre-Painted Metal Ceiling Panel Ga. 26 x 15cm	1.000	sq.m.					
Metal Track 0.50mm x 76mm x 3.0m	0.500	pcs.					
Wall Metal Support 3m	1.000	pcs.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4330 : ROOFING , CLADDING AND FACADES					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 7, 1.2.4								
DESCRIPTION : ACP-Aluminum Composite Panel, Including Metal Frame with Fuse Metal Accent								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E056	Service Truck Minor Tools (10%of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACP- 4mm Aluminum Composite Panel	1.00	sq.m.					
	Metal Fuse	1.00	l.m.					
	Steel frame and Screw (30% of Materials)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4370 : FINISHES (ceiling)					TOTAL UNIT COST		P/sq.m.	
ITEM NO: 8								
DESCRIPTION : 12 mm Fiber Cement Board including joist and accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	3.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 %of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					3.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(C9) HARDIFLEX 12 mm complete with necessary accessories/miscellaneous items.	0.35	sq.m.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/PC.		
ITEM NO: 2.5.1								
DESCRIPTION : FRAMELESS VANITY FACE MIRROR WITH LED STRIP COVE LIGHTING								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.47 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Frameless Vanity face Mirror with complete accessories	1.00	pcs					
	Led Strip Light	3.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/PC.	
ITEM NO: 2.5.2							
DESCRIPTION : Full Length Face Mirror with 1/2 thick plywood Backing							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.39 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Full Length Face Mirror and Accessories 1/2 Thick Marine Plywood Metal Clip	1.00	ea.					
	1.00	sht.					
	8.00	pcs.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/pc.	
ITEM NO: 2.6.1							
DESCRIPTION : 50 mm dia. Stainless Steel Grab							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.44 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
50 mm Stainless Steel Grab Bar	1.00	pc.					
Flanges	4.00	pc.					
Elbows	4.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLNEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/SET		
ITEM NO: 2.7.1								
DESCRIPTION : Wall Mounted Baby Changing Station								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.19 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	3/4 thick Laminated wood	1.00	pc.					
	Special Hinges	4.000	pc.					
	Side Stainless Hanger	2.00	pc.					
	Closing Hinges Support	2.00	pc.					
	Acrylic Paint, Semi Gloss	1.00	gal.					
	Prime Coat	1.00	gal.					
	Acrylic color	0.50	lit.					
	Putty	0.50	kg.					
	Sanding Paper	0.50	pc					
	Paint Brush Roller (101mm)	1.00	pc					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLNEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/ea.	
ITEM NO: 3.11								
DESCRIPTION : (IF-11) OFFICE FILE CABINET								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.18 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(IF-11) OFFICE FILE CABINET complete with necessary accessories/miscellaneous items.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLNEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/ea.	
ITEM NO: 3.12								
DESCRIPTION : (IF-12) SINGLE SOFA								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.18 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(IF-12) SINGLE SOFA complete with necessary accessories/miscellaneous items.	1.00	EA.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/ea.	
ITEM NO: 3.13								
DESCRIPTION : (IF-13) DOUBLE SOFA								
(VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.09 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(IF-13) DOUBLE SOFA complete with necessary accessories/miscellaneous items.	1.00	ea.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/ea.	
ITEM NO: 3.14							
DESCRIPTION : (IF-14) SIDE TABLE							
(VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.75 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
(IF-14) SIDE TABLE complete with necessary accessories/miscellaneous items.	1.00	ea.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/ea.	
ITEM NO: 3.15							
DESCRIPTION : (IF-15) TABLE CONFIGURATION WITH 4 CHAIRS (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
(IF-15) TABLE CONFIGURATION WITH 4 CHAIRS complete with necessary accessories/miscellaneous items.	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLNEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/ea.	
ITEM NO: 3.16							
DESCRIPTION :(IF-16) BUNK BED							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.08 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
(IF-16) BUNK BED	1.00	ea.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/ea.	
ITEM NO: 3.17							
(IF-17) OFFICE WAITING CHAIR							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.75 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
(IF-17) OFFICE WAITING CHAIR (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.	1.00	set					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/set		
ITEM NO: 3.18								
DESCRIPTION : (IF-18) EXAMINATION AREA FURNITURE								
(VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(IF-18) EXAMINATION AREA FURNITURE (VERIFY LOCATION ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/set	
ITEM NO: 3.19								
DESCRIPTION : (TP) TAPE BARRIER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.2000 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(TP) TAPE BARRIER complete with necessary accessories/miscellaneous items.	1.00	ea.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLANEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/set		
ITEM NO: 3.20, 3.20 & 3.23									
DESCRIPTION : (CO-1) INDOOR COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.									
PRICE COMPONENT			QTY.	UNIT	P/UNIT	COMPONENT		COST	
						LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR									
L13	Foreman	1.00	hr.						
L20	Skilled Laborer	2.00	hr.						
L21	Unskilled Laborer	4.00	hr.						
TOTAL A									
B. EQUIPMENT									
	Minor Tools (10 of Labor)								
TOTAL FOR B									
TOTAL A + B									
C. OUTPUT						0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C									
E. MATERIALS									
	(CO-1) INDOOR COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.	1.00	set						-
TOTAL E									
F. ESTIMATED DIRECT COST(D+E)									
G. OCM(6% OF F)									
H. PROFIT(8% OF F)									
I. VAT(5% OF (F+G+H))									
J. TOTAL UNIT COST(F+G+H+I)									

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/set		
ITEM NO: 3.22								
DESCRIPTION : (CO-3) CHECK-IN COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(CO-3) CHECK-IN COUNTER) complete with necessary accessories/miscellaneous items.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/set	
ITEM NO: 3.24								
DESCRIPTION : (CO-5) CHARGING STATION (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)								
CO-5A ARCH SHAPED CHARGING STATION								
CO-5B CORNER CHARGING STATION complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(CO-5) CHARGING STATION (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT)	1.00	set					
	CO-5A ARCH SHAPED CHARGING STATION							
	CO-5B CORNER CHARGING STATION complete with necessary accessories/miscellaneous items.							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/set		
ITEM NO: 3.25									
DESCRIPTION :{(CO-6) LOST & FOUND COUNTER (VERIFY LOCATION & QUANTITY ON FURNITURE LAYOUT) complete with necessary accessories/miscellaneous items.									
PRICE COMPONENT			QTY.	UNIT	P/UNIT	COMPONENT		COST	
						LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR									
L13	Foreman	1.00	hr.						
L20	Skilled Laborer	1.00	hr.						
L21	Unskilled Laborer	2.00	hr.						
TOTAL A									
B. EQUIPMENT									
	Minor Tools (10 of Labor)								
TOTAL FOR B									
TOTAL A + B									
C. OUTPUT						0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C									
E. MATERIALS									
	(CO-6) LOST & FOUND COUNTER) complete with necessary accessories/miscellaneous items.	1.00	ea						
TOTAL E									
F. ESTIMATED DIRECT COST(D+E)									
G. OCM(6% OF F)									
H. PROFIT(8% OF F)									
I. VAT(5% OF (F+G+H)									
J. TOTAL UNIT COST(F+G+H+I)									

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/ea.		
ITEM NO: 3.26								
DESCRIPTION : (PAN-1) CONCESSION PANTRY @ LOWER GROUND complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.08 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(PAN-1) CONCESSION PANTRY @ LOWER GROUND complete with necessary accessories/miscellaneous items.	1.00	ea					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/ea.	
ITEM NO: 3.27								
DESCRIPTION : (PAN-2) CIP PANTRY complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(PAN-2) CIP PANTRY complete with necessary accessories/miscellaneous items.	1.00	ea					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

F. ESTIMATED DIRECT COST(D+E)				TOTAL UNIT COST		P/ea.		
ITEM NO: 3.28								
DESCRIPTION : (PAN-3) SERVICE PANTRY complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.05 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(PAN-3) SERVICE PANTRY complete with necessary accessories/miscellaneous items.	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES					TOTAL UNIT COST		P/EA.	
ITEM NO: 3.2.29								
DESCRIPTION : (PAN-4) SERVICE PANTRY 2 complete with necessary accessories/miscellaneous items.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	(PAN-4) SERVICE PANTRY 2 complete with necessary accessories/miscellaneous items.	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/set	
ITEM NO: 3.2.30							
DESCRIPTION : (CL) CLOSET @ BAGGAGE HANDLER QUARTERS complete with necessary accessories/miscellaneous items.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
(CL) CLOSET @ BAGGAGE HANDLER QUARTERS complete with necessary accessories/miscellaneous items.	1.00	set					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(6% OF F)							
H. PROFIT(8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 4380 : MISCELLLENEOUS / FITTINGS / FURNITURES				TOTAL UNIT COST		P/set		
ITEM NO: 3.31								
DESCRIPTION : STEEL LOCKER CABINET								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Steel Locker Cabinet	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(6% OF F)								
H. PROFIT(8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

**PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING
TACLOBAN AIRPORT, TACLOBAN CITY**

UNIT PRICE ANALYSIS

SECTION 5000 SERIES : MECHANICAL WORKS								
SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/unit		
ITEM NO: 2.4.1								
DESCRIPTION : WATER CLOSET WITH SENSOR								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.15 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
S146	WATER CLOSET BOWL INCLUDING FITTINGS & ACC.	1.00	set					
	Sensor Type Flush	1.00	set					
	Miscellaneous (5% of the Above)	3.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/l.m.	
ITEM NO: 2.4.2								
DESCRIPTION : UNDER COUNTER LAVATORY WITH SENSOR TYPE FAUCET								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
S147	LAVATORY (WHITE), INCLUDING FITTING AND ACC.	1.00	set					
	SENSOR TYPE FAUCET	1.00	set					
	Miscellaneous (5% of the Above)	3.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/l.m.	
ITEM NO: 2.4.3							
DESCRIPTION : URINAL WITH SENSOR							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
S145	URINAL	1.00	set				
	(Including Fittings and Accessories)						
	Sensor type Flush	1.00	set				
	Miscellaneous (5% of the Above)	3.00	l.m.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/l.m.	
ITEM NO: 2.4.4								
DESCRIPTION : WALL MOUNTED LAVATORY								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.75 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
S147	LAVATORY (WHITE), INCLUDING FITTING AND ACC.	1.00	set					
	Miscellaneous (5% of the Above)	3.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/pc.
ITEM NO: 2.4.5							
DESCRIPTION : HAND DRYER							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	1.00	hr.				
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					1.00 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Hand Dryer , 220 V. including accessories	1.00	ea.				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/pc.	
ITEM NO: 2.4.6								
DESCRIPTION : TISSUE HOLDER								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L20	Skilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Tissues Holder, Stainless	1.00	pc.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/ea.	
ITEM NO: 2.4.7								
DESCRIPTION : SOAP DISPENSER, WALL MOUNTED								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L20	Skilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Soap Dispenser	1.00	pc.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/unit	
ITEM NO: 2.4.8							
DESCRIPTION : WATER CLOSET FLUSH TYPE complete accessories							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
WATER CLOSET BOWL INCLUDING FITTINGS & ACC.	1.00	set					
Miscellaneous (5% of the Above)	1.00						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/unit	
ITEM NO: 2.4.9								
DESCRIPTION : URINAL FLUSH TYPE complete accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	URINAL	1.00	set					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/unit	
ITEM NO: 2.4.10							
DESCRIPTION : SHOWER HEAD complete accessories							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
SHOWER HEAD WITH COMPLETE ACCESSORIES	1.00	pc.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/l.m.
ITEM NO: 5.1.1 & 5.1.6							
DESCRIPTION : Elavator Pit Sump Pump, 25 GPM, 40 FT, 1HP, 230V, 1P, 60Hz							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		0.02 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Elavator Pit Sump Pump, 25 GPM, 40 FT, 1HP, 230V, 1P, 60Hz	1.00	l.m.				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/set	
ITEM NO: 5.1.2							
DESCRIPTION : Gate Valve 2" & Fittings							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.80 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Gate Valve 2 1/2"	1.00	set					
Tafelon	4.000	roll					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/l.m.	
ITEM NO: 5.1.3								
DESCRIPTION : 50 mm dia. Flexible Hose								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Flexible Hose 50 mm dia.	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/set.	
ITEM NO: 5.1.4							
DESCRIPTION : Check Valve 50 mm dia & Fittings							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Check Valve 65 mm	1.00	set					
Tafelon	4.000	can					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5100 : SANITARY AND PLUMBING WORKS					TOTAL UNIT COST		P/pc.	
ITEM NO: 5.1.5								
DESCRIPTION : Mechanical Clamp 50mm diameter								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Mechanical Clamp 50mm diameter	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5100 : SANITARY AND PLUMBING WORKS				TOTAL UNIT COST		P/pc.	
ITEM NO: 5.1.7							
Oil Interceptor, 100 GPM, 1750 RPM							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.015 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Oil Interceptor, 100 GPM, 1750 RPM	1.00	pc.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.1.1								
DESCRIPTION : Air Cooled Chiller with all accessories to complete the works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other	1.00	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Air Cooled Chiller incl. fittings,valves, thermometer and other accessories to complete the works. ACCC01-03 158 TR (Tax, Freight and Cargo Included)	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.2.1 & 3.2.4								
DESCRIPTION : Air Handling Unit (55.3 TR) including Accessories to complete the works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	AHU-01 55.3 TR Centrifugal DIDW including accessories to complete the works Tax, freight and cargo included	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.2.2								
DESCRIPTION : Air Handling Unit (78.4 TR) including Accessories to complete the works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	AHU-02 78.4 TR Centrifugal DIDW including accessories to complete the works Tax, freight and cargo included	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System				TOTAL UNIT COST		P/unit		
ITEM NO: 3.2.3 & 3.2.5								
DESCRIPTION : Air Handling Unit (65.4 TR) including Accessories to complete the works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
E078	Minor Tools (5% of Labor) Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.05 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	AHU-02 65.4 TR Centrifugal DIDW including accessories to complete the works Tax, freight and cargo included	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/UNIT	
ITEM NO: 3.3.1								
DESCRIPTION : ACCU/1 Roof Deck Capacity: 17.60Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU Roof Deck Capacity: 17.60Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/UNIT	
ITEM NO: 3.3.2, 3.3.26								
DESCRIPTION : FCU GF Concession 1LG Capacity: 8.80Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU GF Concession 1LG Capacity: 8.80Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/UNIT	
ITEM NO: 3.3.3								
DESCRIPTION : ACCU/2 Roof Deck Capacity: 70.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.060 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/2 Roof Deck Capacity: 70.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.3.4								
DESCRIPTION : FCU/2 GF Lift Lobby Capacity: 24.60Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/2 GF Lift Lobby Capacity: 24.60Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		- P/unit	
ITEM NO: 3.3.5								
DESCRIPTION : FCU/3 2F Escalator/ Lift Lobby Capacity: 10.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/3 2F Escalator/ Lift Lobby Capacity: 10.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 3.3.6, 3.14							
DESCRIPTION : FCU/4 2F Immigration Office Capacity: 7.20Kw							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.				
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.12 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	FCU/4 2F Immigration Office Capacity: 7.20Kw	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.3.7, 3.3.13, 3.3.24								
DESCRIPTION : FCU 2F Capacity: 5.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU 2F OTS Office Capacity: 5.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

ITEM NO: 3.3.8							
DESCRIPTION : ACCU/5 Roof Deck Capacity: 8.80Kw							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.				
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		0.09 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	ACCU/5 Roof Deck Capacity: 8.80Kw	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.3.9, 3.3.28								
DESCRIPTION : ACCU/8 Roof Deck Capacity: 42.80Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)	1.00						
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.06 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/8 Roof Deck Capacity: 42.80Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System				TOTAL UNIT COST		P/unit		
ITEM NO: 3.3.10								
DESCRIPTION : FCU/13 GF Baggage Handler Capacity: 5.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/13 GF Baggage Handler Capacity: 5.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.3.11								
DESCRIPTION : FCU/14 GF Maintenance & MRF Office Capacity: 8.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/14 GF Maintenance & MRF Office Capacity: 8.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 3.3.12							
DESCRIPTION : ACCU/9 Roof Deck Capacity: 12.50Kw							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	3.00	hr.				
L21	Unskilled Laborer	5.00	hr.				
TOTAL A							
B. EQUIPMENT							
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.				
	Minor Tools (5% of Labor)	1.00					
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.06 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	ACCU/9 Roof Deck Capacity: 12.50Kw	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/UNIT	
ITEM NO: 3.3.15								
ACCU/10 Roof Deck Capacity: 11.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/10 Roof Deck Capacity: 11.20Kw	1.00	UNIT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.16								
DESCRIPTION : FCU/17 2F Concession 1 Capacity: 11.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/17 2F Concession 1 Capacity: 11.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.17								
DESCRIPTION : ACCU/13 Roof Deck Capacity: 16.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.09 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/13 Roof Deck Capacity: 16.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.18								
DESCRIPTION : FCU/20 2F Quarantine Office Capacity: 16.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.09 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/20 2F Quarantine Office Capacity: 16.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 3.3.19								
DESCRIPTION : ACCU/14 Roof Deck Capacity: 88.20Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/14 Roof Deck Capacity: 88.20Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.20								
DESCRIPTION : FCU/25 2F Conference Room Capacity: 12.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	3.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/25 2F Conference Room Capacity: 12.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.21, 3.3.22								
DESCRIPTION : FCU/26 2F Administration Office Capacity: 10.30Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/26 2F Administration Office Capacity: 10.30Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.23								
DESCRIPTION : FCU/28 2F Concession -1 Capacity: 6.50Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/28 2F Concession -1 Capacity: 6.50Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.25								
DESCRIPTION : ACCU/19 Roof Deck Capacity: 72.60Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)	1.00						
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/19 Roof Deck Capacity: 72.60Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.27, 3.3.31								
DESCRIPTION : FCU/36 2F Luggage Inspection Capacity: 13.80Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	0.50						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/36 2F Luggage Inspection Capacity: 13.80Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.29								
DESCRIPTION : FCU/41 2F Operation & Command Control Office Capacity: 7.91Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	0.50						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/41 2F Operation & Command Control Office Capacity: 7.91Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.30								
DESCRIPTION : ACCU/21 Roof Deck Capacity: 28.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	3.00	hr.					
L21	Unskilled Laborer	5.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.75	hr.					
	Minor Tools (5% of Labor)	1.00						
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	0.75	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/21 Roof Deck Capacity: 28.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.32								
ACCU/22 Roof Deck Capacity: 112.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	1.00	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ACCU/22 Roof Deck Capacity: 112.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ unit	
ITEM NO: 3.3.33, 3.3.34								
FCU/43 2F Boarding Bridge-1 Capacity: 16.00Kw								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	3.00	hr.					
L21	Unskilled Laborer	5.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.15 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FCU/43 2F Boarding Bridge-1 Capacity: 16.00Kw	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ LOT	
ITEM NO: 3.4.1								
DESCRIPTION : HANGER, SUPPORT AND CONSUMABLE ITEMS								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E041	Generator Set, 351 - 400 kw, 439 - 500 kva., Models	1.00	hr.					
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
E076	Cutting Outfit (Oxy/Acetylene), Harris of Equivalent	1.00	hr.					
E069	Welding Machine, 300 Amp., 48.0 hp.	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0160 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Expansion Shield/Anchor Bolt 3/8" Ø	250.00	pcs					
	Nut and washer 3/8" Ø	250.00	set					
	L 50 x 50 x 6mm	150.00	pcs					
	OXYGEN (CONTENT ONLY)	12.00	cyl.					
	ACETYLENE (CONTENT ONLY)	12.00	cyl.					
	WELDING ROD	30.00	kg.					
	PRIMER PAINT	40.00	liter					
	EPOXY PAINT	40.00	liter					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ l.m.	
ITEM NO: 4.1.1								
DESCRIPTION: 200mmØ BI Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.55 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	200mmØ BI Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 4.1.2							
DESCRIPTION : 150mmØ BI Pipes Including Fittings							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	0.50	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.72 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	150mmØ BI Pipes Including Fittings	1.00	l.m.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/ l.m.	
ITEM NO: 4.1.3								
DESCRIPTION : 100mmØ BI Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.41 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	100mmØ BI Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 4.1.4								
DESCRIPTION : 200mmØ Slip-on Flange								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.08 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	200mmØ Slip-on Flange	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.
ITEM NO: 4.1.5							
150mmØ Slip-on Flange							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					1.75 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	150mmØ Slip-on Flange	1.00	pc.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 4.1.6								
DESCRIPTION : 100mmØ Slip- on Flange								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.57 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	100mmØ Slip- on Flange	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 4.1.7								
DESCRIPTION : 200mmØ Blind Flange								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.44 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	200mmØ Blind Flange	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.1								
DESCRIPTION : 6.35 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					9.39 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	6.35 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.2								
DESCRIPTION : 9.52 mmØ Copper Pipes Including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					6.70 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	9.52 mmØ Copper Pipes Including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.3								
DESCRIPTION : 12.7 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					5.23 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	12.7 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.4								
DESCRIPTION : 15.9 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					3.63 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	15.9 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.5								
DESCRIPTION : 19.05 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.86 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	19.05 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.6								
DESCRIPTION : 22.2 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.29 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	22.2 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.7								
DESCRIPTION : 28.6 mmØ Copper Pipes including fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.5833 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	28.6 mmØ Copper Pipes including fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.8								
DESCRIPTION : 34.9 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.17 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	34.9 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 4.2.9								
DESCRIPTION : 41.3 mmØ Copper Pipes including Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.91 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	41.3 mmØ Copper Pipes including Fittings	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/kg.	
ITEM NO: 4.3.1								
DESCRIPTION : Refrigerant								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.27 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Refrigerant	1.00	kg.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/LOT
ITEM NO: 4.3.2							
DESCRIPTION : CONSUMABLE, HANGERS AND SUPPORTS							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	4.00	hr.				
L21	Unskilled Laborer	8.00	hr.				
TOTAL A							
B. EQUIPMENT							
E041	Generator Set, 351 - 400 kw, 439 - 500 kva., Models	1.00	hr.				
E076	Cutting Outfit (Oxy/Acetylene), Harris of Equivalent	1.00	hr.				
E069	Welding Machine, 300 Amp., 48.0 hp. Minor Tools (5% of Labor)	1.00	hr.				
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.02 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Expansion Shield/Anchor Bolt 3/8" Ø	50.00	pcs				
	Nut and washer 3/8" Ø	50.00	set				
	L 50 x 50 x 6mm	38.00	pcs				
	OXYGEN (CONTENT ONLY)	4.00	cyl.				
	ACETYLENE (CONTENT ONLY)	4.00	cyl.				
	WELDING ROD	20.00	kg.				
	PRIMER PAINT	12.00	liter				
	EPOXY PAINT	12.00	liter				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.1								
DESCRIPTION : EF- Centrifugal In-Line Duct Fan Capacity: 686 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.17 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF-Centrifugal In-Line Duct Fan Capacity: 686 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.2, 5.1.9, 5.1.22								
DESCRIPTION : EF- Centrifugal Fan Capacity: 1100 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF-02 Centrifugal Fan Capacity: 1100 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.3, 5.1.16								
DESCRIPTION : EF- Centrifugal Fan Capacity: 915 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal Fan Capacity: 915 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.4								
DESCRIPTION : EF- Centrifugal Fan Capacity: 24000 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal Fan Capacity: 24000 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.5								
DESCRIPTION : EF- Centrifugal Tubular In-Line Fan Capacity: 38000 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.01 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF-Centrifugal Tubular In-Line Fan Capacity: 38000 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.6							
EF-08 Centrifugal Fan Capacity: 27000 CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.01 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF- Centrifugal Fan Capacity: 27000 CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.7								
DESCRIPTION : EF- Centrifugal In-Line Duct Fan Capacity: 450 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal In-Line Duct Fan Capacity: 450 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.8							
DESCRIPTION : EF- Centrifugal In-Line Duct Fan Capacity: 400 CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.22 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF-11 Centrifugal In-Line Duct Fan Capacity: 400 CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.10, 5.1.12							
EF-13 Ceiling Cassette Fan Capacity: 85 CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.67 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF-13 Ceiling Cassette Fan Capacity: 85 CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.11 , 5.1.13, 5.1.14								
DESCRIPTION : EF-Centrifugal In-Line Duct Fan Capacity: 230 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.22 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal In-Line Duct Fan Capacity: 230 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.15								
DESCRIPTION : EF- Centrifugal Fan Capacity: 1920 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal Fan Capacity: 1920 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.17							
DESCRIPTION : EF- Centrifugal Fan Capacity: 976 CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.07 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF- Centrifugal Fan Capacity: 976 CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.18, 5.1.23								
DESCRIPTION : EF- Centrifugal In-Line Duct Fan Capacity: 345 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.22 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Centrifugal In-Line Duct Fan Capacity: 345 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.19							
DESCRIPTION : EF- Centrifugal Fan Capacity: 9000 CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.02 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF-32 Centrifugal Fan Capacity: 9000 CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit
ITEM NO: 5.1.20 , 5.1.25							
DESCRIPTION: EF- Centrifugal Fan Capacity: 1680CFM							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.05 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	EF- Centrifugal Fan Capacity: 1680CFM	1.00	unit				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.21								
DESCRIPTION : EF- Ceiling Cassette Fan Capacity: 45 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.87 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EF- Ceiling Cassette Fan Capacity: 45 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.24								
DESCRIPTION : FAF- Centrifugal Fan Capacity: 1341 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FAF- Centrifugal Fan Capacity: 1341 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 5.1.26								
DESCRIPTION : SEF- Centrifugal In-Line Cabinet Type Capacity: 51198 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	3.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.01 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	SEF- Centrifugal In-Line Cabinet Type Capacity: 51198 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 5.1.27								
DESCRIPTION : SEF- Centrifugal In-Line Cabinet Type Capacity: 44932 CFM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	3.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.01 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	SEF- Centrifugal In-Line Cabinet Type Capacity: 44932 CFM	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/LOT
ITEM NO: 5.2.1							
DESCRIPTION : Consumables, Hangers and supports							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	4.00	hr.				
L21	Unskilled Laborer	6.00	hr.				
TOTAL A							
B. EQUIPMENT							
E041	Generator Set, 351 - 400 kw, 439 - 500 kva., Models	1.00	hr.				
E076	Cutting Outfit (Oxy/Acetylene), Harris of Equivalent	1.00	hr.				
E069	Welding Machine, 300 Amp., 48.0 hp. Minor Tools (5% of Labor)	1.00	hr.				
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.01 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Expansion Shield/Anchor Bolt 3/8" Ø	184.00	pcs				
	Nut and washer 3/8" Ø	184.00	set				
	L 50 x 50 x 6mm	42.00	pcs				
	OXYGEN (CONTENT ONLY)	5.00	cyl.				
	ACETYLENE (CONTENT ONLY)	5.00	cyl.				
	WELDING ROD	25.00	kg.				
	PRIMER PAINT	14.00	liter				
	EPOXY PAINT	14.00	liter				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.1							
DESCRIPTION : RUBBER INSULATION 200mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.37 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 200mmØ	1.00	l.m.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.2							
DESCRIPTION : RUBBER INSULATION 150mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.52 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 150mmØ	1.00	l.m.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.3								
DESCRIPTION : RUBBER INSULATION 100mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.65 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rubber Insulation 100mmØ	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.4							
DESCRIPTION : RUBBER INSULATION 6.35 mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					13.42 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 6.35 mmØ	1.00	l.m				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.5								
DESCRIPTION : RUBBER INSULATION 9.52 mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		11.23 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rubber Insulation 9.52 mmØ	1.00	l.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.6								
DESCRIPTION : RUBBER INSULATION 12.70 mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.7							
DESCRIPTION : RUBBER INSULATION 15.90 mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					9.55 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 15.90 mmØ	1.00	l.m				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.8							
DESCRIPTION : RUBBER INSULATION 19.05 mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					8.91 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 19.05 mmØ	1.00	l.m				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.9								
DESCRIPTION : RUBBER INSULATION 22.20 mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					8.44 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rubber Insulation 22.20 mmØ	1.00	l.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.10								
DESCRIPTION : RUBBER INSULATION 28.60 mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					7.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rubber Insulation 28.60 mmØ	1.00	l.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.
ITEM NO: 9.2.11							
DESCRIPTION : RUBBER INSULATION 34.90 mmØ							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					5.79 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Rubber Insulation 34.90 mmØ	1.00	l.m				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/l.m.	
ITEM NO: 9.2.12								
DESCRIPTION : RUBBER INSULATION 41.30 mmØ								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					5.13 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Rubber Insulation 41.30 mmØ	1.00	l.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/roll	
ITEM NO: 9.3.1								
DESCRIPTION : TDC Duct Accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	TDC Corners	312.00	pcs.					
	Duct Slip Flange	46.00	pcs.					
	TDC Flange	1,850.00	meter					
	TDC Angle	312.00	pcs.					
	Air Duct Flange	46.00	pcs.					
	Duct Joints	46.00	pcs.					
	Bolts and Nuts	624.00	pcs.					
	Other Hardware Accessories (5% of the Above)	1.00	Lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/roll	
ITEM NO: 9.3.2								
DESCRIPTION : Aluminun Duct Tape								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Aluminum Duct Tape	1.00	roll					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 11.1.1								
DESCRIPTION : Chiller Plant Manager with Energy Management Function and Mutiple chiller Automatic Sequencing Capability Software								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.007 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Chiller Plant Manager with Energy Management Function and Mutiple chiller Automatic Sequencing Capability Software	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 11.1.2								
DESCRIPTION : Jace Controller								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.006 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Jace Controller	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/Set	
ITEM NO: 11.1.3								
DESCRIPTION : Direct Digital Controller								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.026 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Direct Digital Controller	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/Set	
ITEM NO: 11.1.4								
DESCRIPTION : DDC Panels and Accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.027 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	DDC Panels and Accessories	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/Lot	
ITEM NO: 11.1.5								
DESCRIPTION : BMS Computer								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.010 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	BMS Computer	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/Lot	
ITEM NO: 11.1.6								
Chiller Plant Manager Communication & Field Wiring Works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.1								
DESCRIPTION : Pre Operational Cleaning								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	6.00	hr.					
L21	Unskilled Laborer	12.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other Minor Tools (5% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Pre Operational Cleaning	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.2								
DESCRIPTION : Chemical treatment (first 1 month)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Chemical treatment (first 1 month) including accessories to complete the works	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 12.1.3								
DESCRIPTION : Descaling								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E012	Cargo Truck, 11 - 12 tonner, 290 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Descaling including accessories to complete the works	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.4								
Automatic Feed & Bleed system								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Automatic Feed & Bleed system including accessories to complete the works	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.5								
DESCRIPTION :Testing & Commissioning								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes	0.50	hr.					
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Testing & Commissioning	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.6								
Description : Loop Checking								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Loop Checking	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/lot	
ITEM NO: 12.1.7								
Description : Supply & installation of Chemical Pot Feeder								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.020 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Supply & installation of Chemical Pot Feeder including accessories to complete the works	1.00	lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 12.1.8								
Supply & installation of Water Softener								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Supply & installation of Water Softener	1.00	unit					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/unit	
ITEM NO: 13.1.1								
DESCRIPTION : Open Type Cylindrical Expansion Tank, complete with necessary accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E009	Cargo Truck, 2 - 5 tonner, 160 hp, U.S. & other makes Minor Tools (5% of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Open Type Cylindrical Expansion Tank, complete with necessary accessories	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/LOT	
ITEM NO: 13.1.2								
DESCRIPTION : Pipes, valves, pressure gauge, Fittings, Pump and other accessories to complete the works								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Pipes, valves, pressure gauge, Fittings, Pump and other accessories to complete the works	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					P/l.m.			
ITEM NO: 13.2.1								
DESCRIPTION : BI Pipes 75 mm dia.(including fitting and Valves)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.23 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	BI Pipes 75 mm dia.(including fitting and Valves)	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.2								
DESCRIPTION : Pressure Gauge								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.69 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Pressure Gauge	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.3								
DESCRIPTION : Thermometer								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Thermometer	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.4								
DESCRIPTION : Auto air vent								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Auto air vent	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.5								
DESCRIPTION : Float Valve 75 mm dia								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.07 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Float Valve 75 mm dia	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.6								
DESCRIPTION : Flow Meter 75 mm dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.07 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Flow Meter 75 mm dia.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.
ITEM NO: 13.2.7							
DESCRIPTION : Globe Valve, 75 mm dia.							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	0.50	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (5% of Labor)	1.00					
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT					0.09 qty./hr.		
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Globe Valve, 75 mm dia.	1.00	pc.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.2.8								
DESCRIPTION : Flexible Connector, 75 mm dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.17 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Flexible Connector, 75 mm dia.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/pc.	
ITEM NO: 13.3.1								
DESCRIPTION : Pressure Differential Valve, 200 mm dia								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Pressure Differential Valve, 200 mm dia	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System				TOTAL UNIT COST		P/pc.		
ITEM NO: 13.3.2								
DESCRIPTION : Butterfly Valves, 200 mm dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)	1.00						
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.04 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Butterfly Valves, 200 mm dia.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5200 : Ventilation and Airconditioning System					TOTAL UNIT COST		P/LOT	
ITEM NO: 13.3.3								
DESCRIPTION : Condensate Drain System								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (5% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Condensate Drain System	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5000 SERIES : MECHANICAL WORKS								
SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 3.1								
DESCRIPTION : FIRE DEPARMENT CONNECTION								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-051	FIRE DEPARMENT CONNECTION, 2-WAY 65 MM DIA. Miscellaneous (3% of the Above)	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 4.1								
DESCRIPTION : FIRE HOSE CABINET INCL. ACCESSORIES								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-050	FIRE HOSE CABINETS UL/FM COMPLETE WITH VALVES & ACCESSORIES Miscellaneous (3% of the Above)	1.00	set					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/lot	
ITEM NO: 5.1								
DESCRIPTION : FM 200 GAS SYSTEM								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-092	FM 200 FIRE SUPPRESSION	1.00	LOT					
	Miscellaneous (5% of the Above)							
	Complete accessories							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/pc.	
ITEM NO: 6.1								
DESCRIPTION : FIRE EXTINGUISHER, 100 LBS. CO2								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-049	FIRE EXTINGUISHER, WHEELED TYPE, 100 LBS.	1.00	LOT					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/UNIT	
ITEM NO: 8.1								
DESCRIPTION : FIRE PUMP								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-090	ELECTRIC FIRE PUMP W/ COMPLETE ACCESSORIES & CONTROLLER	1.00	UNIT					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/UNIT	
ITEM NO: 8.2								
DESCRIPTION : JOCKEY PUMP								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
E010	Cargo Truck, 6 - 8 tonner, 195 hp, U.S. & other makes	1.00	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
FR-091	JOCKEY PUMP W/ COMPLETE ACCESSORIES & CONTROLLER	1.00	UNIT					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 5300 : FIRE PROTECTION SYSTEM					TOTAL UNIT COST		P/LOT	
ITEM NO: 8.3								
DESCRIPTION : TESTING COMMISIONING								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Testing Equipment (Minor Tools 10% of Labor cost)	1.00	Lot					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	10 % of labor cost and equipment							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

**PROPOSED CONSTRUCTION OF NEW PASSENGER TERMINAL BUILDING
TACLOBAN AIRPORT, TACLOBAN CITY**

UNIT PRICE ANALYSIS

SECTION 6000 SERIES : ELECTRICAL WORKS								
SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/m	
ITEM NO: 1.1.1								
DESCRIPTION : 250 mm² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.60 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	250 mm² THHN	1.00	m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/m	
ITEM NO: 1.1.2							
DESCRIPTION : 150 mm² THHN							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
150 mm² THHN	1.00	m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/m.	
ITEM NO: 1.1.3							
DESCRIPTION : 125mm ² THHN							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
125 mm ² THHN	1.00	m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		944.28 P/m	
ITEM NO: 1.1.4								
DESCRIPTION : 100 mm² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10% of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	100 mm² THHN	1.00	m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/m				
ITEM NO: 1.1.5											
DESCRIPTION : 80mm²THHN											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L13	Foreman				0.50	hr.					
L20	Skilled Laborer				1.00	hr.					
L21	Unskilled Laborer				2.00	hr.					
TOTAL A											
B. EQUIPMENT											
	Minor Tools (10 of Labor)										
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					1.81 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
	80mm²THHN				1.00	l.m.					

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.6								
DESCRIPTION : 50mm ² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT 2.77 qty./hr.								
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	50mm ² THHN	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.7								
DESCRIPTION : 38mm ² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					3.12 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	38mm ² THHN	1.00	l.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.8							
DESCRIPTION : 30mm ² THHN							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				4.31 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
30mm ² THHN	1.00	l.m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.9								
DESCRIPTION : 22mm ² THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					6.53 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	22mm ² THHN	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/I.m.		
ITEM NO: 1.1.10									
DESCRIPTION : 14mm²THHN									
PRICE COMPONENT			QTY.	UNIT	P/UNIT	COMPONENT		COST	
						LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR									
L13	Foreman		0.50	hr.					
L20	Skilled Laborer		1.00	hr.					
L21	Unskilled Laborer		2.00	hr.					
TOTAL A									
B. EQUIPMENT									
Minor Tools (10 of Labor)									
TOTAL FOR B									
TOTAL A + B									
C. OUTPUT			10.33 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C									
E. MATERIALS									
	14mm²THHN		1.00	l.m.					
TOTAL E									
F. ESTIMATED DIRECT COST(D+E)									
G. OCM(0 - 8% OF F)									
H. PROFIT(0 - 8% OF F)									
I. VAT(5% OF (F+G+H)									
J. TOTAL UNIT COST(F+G+H+I)									

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.11							
DESCRIPTION : 8.0mm²THHN							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				16.47 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
8.0mm²THHN	1.00	l.m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.12							
DESCRIPTION : 5.5mm²THHN							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				24.88 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
5.5mm²THHN	1.00	l.m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/l.m.	
ITEM NO: 1.1.13								
DESCRIPTION : 3.5mm²THHN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					37.92 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	3.5mm²THHN	1.00	l.m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/length		
ITEM NO: 1.2.7								
DESCRIPTION : 25mm dia X 3 IMC (ROUGH -IN WORKS)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				1.45 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	25 mm dia X 3 IMC and other accessories	1.00	length					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/length	
ITEM NO: 1.2.7.1							
DESCRIPTION : 20mmØ x 3m IMC							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.64 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
20mmØ x 3m IMC	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/length	
ITEM NO: 1.2.7.2								
15mmØ x 3m IMC								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.77 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	15mmØ x 3m IMC	1.00	length					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/pc.				
ITEM NO: 1.2.14											
DESCRIPTION : 25 mm dia Elbow											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L13	Foreman				0.50	hr.					
L20	Skilled Laborer				1.00	hr.					
L21	Unskilled Laborer				2.00	hr.					
TOTAL A											
B. EQUIPMENT											
Minor Tools (10 of Labor)											
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					5.17 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
	25 mm Ø elbow				1.00	pc.					
TOTAL E											
F. ESTIMATED DIRECT COST(D+E)											
G. OCM(0 - 8% OF F)											
H. PROFIT(0 - 8% OF F)											
I. VAT(5% OF (F+G+H)											
J. TOTAL UNIT COST(F+G+H+I)											

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 1.2.15							
DESCRIPTION : 20 mm dia Elbow							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				9.95 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
20 mm Ø elbow	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 1.2.16							
DESCRIPTION : 15 mm dia Elbow							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				15.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
15 mm Ø elbow	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pair	
ITEM NO: 1.2.22							
DESCRIPTION : 25 mm dia Locknut and Bushing							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				31.85 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
25 mm dia. L & B	1.00	pair					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/pair	
ITEM NO: 1.2.23								
DESCRIPTION : 20mm dia Locknut and Bushing								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					48.73 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	20 mm dia. L & B	1.00	pair					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pair	
ITEM NO: 1.2.24							
DESCRIPTION : 15mm dia Locknut and Bushing							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 66.35 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
15 mm dia. L & B	1.00	pair					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 1.3.2							
DESCRIPTION : 4 x 4 Junction Box							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				25.44 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
4 x 4 Junction Box incl. Accessories	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pc	
ITEM NO: 1.3.3							
DESCRIPTION : Pull Box 4 x 4							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				7.58 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
4 x 4 pull box inc. Accessories	1.00	pc					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM				TOTAL UNIT COST		P/pc	
ITEM NO: 1.3.4							
DESCRIPTION : Pull Box 4 x 6							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				6.75 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
4 x 6 Pull box incl. accessories	1.00	pc					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6100 : POWER FEEDER SYSTEM					TOTAL UNIT COST		P/length	
ITEM NO: 1.3.8								
DESCRIPTION : Cable Ladder Straight, 500 mm width x 220mm Height with Fittings								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.14 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Cable Ladder Straight, 0.50 m x .22 m with fittings	1.00	length					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.1.1								
DESCRIPTION : Duplex convenience outlets flush mounted in wall, grounding type 3W 16A, 250V								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					6.17 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Duplex convenience outlets flush mounted in wall, grounding type 3W 16A, 250V	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.1.2								
Floor mounted outlet								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set
ITEM NO: 2.1.3							
DESCRIPTION : Weatherproof outlet for outer area							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	0.50	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		1.33 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Weatherproof outlet for outer area	1.00	SET				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.1.4							
DESCRIPTION : Single gang convenience outlet for hand dryer, fan coil unit, exhaust fan, exit & emergency lights							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				5.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Single gang convenience outlet for hand dryer, fan coil unit, exhaust fan, exit & emergency lights	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.1.5								
DESCRIPTION : 3-way switch,15A, 250V								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set
ITEM NO: 2.1.6							
DESCRIPTION : Light switch 1-pole 15A 250V in one gang							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	0.50	hr.				
L20	Skilled Laborer	1.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		6.00 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Light switch 1-pole 15A 250V in one gang	1.00	SET				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.1.7							
Light switch 2-pole 15A 250V in one gang							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 6.00 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Light switch 2-pole 15A 250V in one gang	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.1.8							
DESCRIPTION : Light switch 3-pole 15A 250V in one gang							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				6.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Light switch 3-pole 15A 250V in one gang	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.1.9								
DESCRIPTION : Switchbank								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Switchbank	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set		
ITEM NO: 2.2.1								
DESCRIPTION :2 x 16 watts LED lamp troffer type, ceiling recessed mounted 600 x 1200								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT 0.30 qty./hr.								
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	2 x 16 watts LED lamp troffer type, ceiling recessed mounted 600 x 1200	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.2								
2 x 16 watts LED lamp luminaire, surface mounted 300 x 1200								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	2 x 16 watts LED lamp luminaire, surface mounted 300 x 1200	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.3								
2 x 16 watts LED lamp luminaire, industrial type pendant mounted 300 x 1200								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.75 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	2 x 16 watts LED lamp luminaire, industrial type pendant mounted 300 x 1200	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.4								
DESCRIPTION : 1 x 16 watts T5 LED tube lighting fixture 1600 cove light								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	1 x 16 watts T5 LED tube lighting fixture 1600 cove light	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.2.5							
DESCRIPTION: Accent light, 25W LED lamp							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Accent light, 25W LED lamp	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set		
ITEM NO: 2.2.6								
DESCRIPTION : LED downlight, 18W surface mounted								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	LED downlight, 18W surface mounted	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set		
ITEM NO: 2.2.7								
LED downlight, 12W recessed mounted								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	LED downlight, 12W recessed mounted	1.00	pair					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.8								
LED downlight , 8W recessed mounted								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	LED downlight , 8W recessed mounted	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.2.9							
Emergency light, rated 2-7W LED lamp w/ battery backup.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.75 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Emergency light, rated 2-7W LED lamp w/ battery backup.	1.00	pair					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.10								
DESCRIPTION : Exit sign. 3W LED lamp wall mounted (single face)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.15 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Exit sign. 3W LED lamp wall mounted (single face)	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set		
ITEM NO: 2.2.11								
DECRPTION : Exit sign. 3W LED lamp wall mounted (double face)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		1.15 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Exit sign. 3W LED lamp wall mounted (double face)	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set		
ITEM NO: 2.2.12								
DESCRIPTION : 50W LED spotlight								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/set	
ITEM NO: 2.2.13								
DESCRIPTION : 60W LED floodlight wall mounted								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.28 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	60W LED floodlight wall mounted	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.2.14							
DESCRIPTION : Highbay LED lights 120W 50,000 LM							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.30 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Highbay LED lights 120W, 50,000 LM	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.2.15							
DESCRIPTION : 60W LED sidethrow floodlight wall mounted with safety glass and globe guard							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
60W LED sidethrow floodlight wall mounted with safety glass and globe guard	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/set	
ITEM NO: 2.2.16							
DESCRIPTION : 2-16W T5 LED tube 1600 LM linear lighting							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
2-16W T5 LED tube 1600 LM linear lighting	1.00	SET					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.1							
DESCRIPTION : Panel MDP1,Main: 1,400AT/1600AF, 400V Branches : 1-500AT, 4P; 1-250AT,4P; 1-225AT,4P; 200AT,4P; 1-175AT,4P; 2-150AT,4P; 2-125AT,4P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.002 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Panel MDP1,Main: 1,400AT/1600AF, 400V Branches : 1-500AT, 4P; 1-250AT,4P; 1-225AT,4P; 200AT,4P; 1-175AT,4P; 2-150AT,4P; 2-125AT,4P	1.00	Assy.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.		
ITEM NO: 2.3.2								
DESCRIPTION : Panel MDP2,Main : 1,400AT/1600AF 4P, 400V Branches : 1-350AT, 4P; 1-225AT,4P; 1-200AT,4P; 1-150AT,4P; 3-125AT,4P; 2-100AT,4P; 2-50AT,4P								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.002 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Panel MDP2,Main : 1,400AT/1600AF 4P, 400V Branches : 1-350AT, 4P; 1-225AT,4P; 1-200AT,4P; 1-150AT,4P; 3-125AT,4P; 2-100AT,4P; 2-50AT,4P	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.		
ITEM NO: 2.3.3								
DESCRIPTION : Panel DPA,Main : 225AT/225AF 4P, 400V				Branches: 1-60AT, 3P; 1-40AT,3P; 5-30AT,3P; 1-30AT,2P; 12-20AT,2P				
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.005 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Panel DPA,Main : 225AT/225AF 4P, 400V Branches: 1-60AT, 3P; 1-40AT,3P; 5-30AT,3P; 1-30AT,2P; 12-20AT,2P	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.4							
DESCRIPTION :Panel DPB, Main : 500AT/600AF 4P, 400V				Branches: 3-100AT, 1-90AT,3P; 1-60AT,3P; 2-30AT,3P; 6-30AT,2P; 7-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.005 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Panel DPB, Main : 500AT/600AF 4P, 400V Branches: 3-100AT, 1-90AT,3P; 1-60AT,3P; 2-30AT,3P; 6-30AT,2P; 7-20AT,2P	1.00	Assy.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.5 / 2.3.10							
DESCRIPTION : Panel VFE, Main : 150AT/225AF 4P, 400V				Branches: 1-40AT, 3P; 2-30AT,3P; 3-20AT,3P; 12-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.023 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel VFE, Main : 150AT/225AF 4P, 400V Branches: 1-40AT, 3P; 2-30AT,3P; 3-20AT,3P; 12-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.6							
DESCRIPTION : Panel LPA, Main : 175AT/225AF 4P, 400V				Branches: 24-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.023 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)={A+B}/C							
E. MATERIALS							
	Panel LPA, Main : 175AT/225AF 4P, 400V Branches: 24-20AT,2P	1.00	Assy.				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.7							
DESCRIPTION : Panel LPB, Main : 150AT/225AF 4P, 400V				Branches: 1-30AT,2P; 19-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.025 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel LPB, Main : 150AT/225AF 4P, 400V Branches: 1-30AT,2P; 19-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.8 / 2.3.9 / 2.3.32							
DESCRIPTION : Panel LPC, Main : 125AT/225AF 4P, 400V Branches: 23-20AT,2P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.023 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel LPC, Main : 125AT/225AF 4P, 400V Branches: 23-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.11							
Panel LG- MC, Main : 200AT/225AF 4P, 400V Branches: 10-50AT,2P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel LG- MC, Main : 200AT/225AF 4P, 400V Branches: 10-50AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.12 to 2.3.20 and 2.3.22 to 2.3.27							
DESCRIPTION : Panel DFS, Main : 50AT/100AF 2P, 230V				Branches: 6-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel DFS, Main : 50AT/100AF 2P, 230V Branches: 6-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.21							
DESCRIPTION : Panel AHU, Main : 225AT/225AF 4P, 400V Branches: 1-60AT,3P; 6-50AT,3P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.018 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel AHU, Main : 225AT/225AF 4P, 400V Branches: 1-60AT,3P; 6-50AT,3P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.28/ 2.3.29 / 2.3.30							
DESCRIPTION : Panel PPA, Main : 350AT/400AF 4P, 400V				Branches: 1-70AT, 3P; 4-40AT,3P; 2-40AT,2P; 2-30AT,2P; 7-20AT,2P			
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.023 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel PPA, Main : 350AT/400AF 4P, 400V Branches: 1-70AT, 3P; 4-40AT,3P; 2-40AT,2P; 2-30AT,2P; 7-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.31 / 2.3.33 / 2.3.34							
DESCRIPTION : Panel LP2B, Main : 125AT/225AF 4P, 400V Branches: 22-20AT,2P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.023 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel LP2B, Main : 125AT/225AF 4P, 400V Branches: 22-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.35							
Panel LPR, Main : 150AT/225AF 4P, 400V Branches: 1-30AT,2P; 19-20AT,2P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.023 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel LPR, Main : 150AT/225AF 4P, 400V Branches: 1-30AT,2P; 19-20AT,2P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM				TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.36							
DESCRIPTION : Panel CHILLR, Main : 1200AT/1400AF 4P, 400V Branches: 3-600AT,4P; 5-30AT,4P							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.00150 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Panel CHILLR, Main : 1200AT/1400AF 4P, 400V Branches: 3-600AT,4P; 5-30AT,4P	1.00	Assy.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.7								
Panel MCC 1000at, Main : 100AT/1200AF 4P, 400V Branches: 1-1000AT,3P; 3-30AT,3P; 2-20AT,3P; 2-20AT,2P								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.002 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Panel MCC 1000at, Main : 100AT/1200AF 4P, 400V Branches: 1-1000AT,3P; 3-30AT,3P; 2-20AT,3P; 2-20AT,2P	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.38 / 2.3.39 / 2.3.40								
DESCRIPTION : 3P 70AT,100AF ECB								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.35 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	3P 70AT,100AF ECB	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.41								
DESCRIPTION : 3P 40AT,100AF ECB								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.60 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	3P 40AT,100AF ECB	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.42								
DESCRIPTION : 2P 40AT,100AF ECB								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Foreman	1.00	hr.					
L21	Foreman	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.65 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	2P 40AT,100AF ECB	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.43 / 2.3.44 / 2.3.46								
DESCRIPTION : 2P 30AT,100AF ECB								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.08 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	2P 30AT,100AF ECB	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.45								
DESCRIPTION : ECB 3P 100AT 100AF								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.25 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ECB 3P 100AT 100AF	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.3.47								
DESCRIPTION : ECB 3P 1200AT 1200AF								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.20 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ECB 3P 1200AT 1200AF	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET
ITEM NO: 2.4.1							
DESCRIPTION :Lightning air terminal, 80 Radius @ Level 1							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	4.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		0.0125 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Lightning air terminal, 80 Radius @ Level 1	1.00	SET				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 2.4.2								
DESCRIPTION : lightning stroke counter								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	lightning stroke counter	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/pc.	
ITEM NO: 2.4.3								
20mm dia x 3 meter long copper clad ground rod								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.30 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	20mm dia x 3 meter long copper clad ground rod	1.00	Pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/pc	
ITEM NO: 2.4.4								
DESCRIPTION : Ground well								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.14 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Ground well	1.00	pc					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/PC.	
ITEM NO: 2.4.5								
T - connection								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					6.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	T - connection	1.00	pc					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/l.m	
ITEM NO: 2.4.6								
DESCRIPTION : 100mm2 copper wire								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	100mm2 copper wire	1.00	m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 2.4.7								
DESCRIPTION : Grounding Busbar								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Grounding Busbar	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Assy.	
ITEM NO: 2.4.8								
DESCRIPTION : Copper Split Bolt Connectors								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Copper Split Bolt Connectors	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/Tube	
ITEM NO: 2.4.9								
Exothermic Weld								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.35 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Exothermic Weld	1.00	Tube					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/m.	
ITEM NO: 2.4.10								
DESCRIPTION : 60mm ² multi-shielded cable								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	60mm ² multi-shielded cable	1.00	m.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/length	
ITEM NO: 2.4.11								
DESCRIPTION : 25mmØ x 3.0m PVC pipe								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					13.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	25mmØ x 3.0m PVC pipe	1.00	length					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 2.5.1								
DESCRIPTION : ROADWAY LIGHTING - 120W LED LUMINAIRE ON 12M LIGHTING POST IN CONCRETE PEDESTAL								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
E016	Concrete Vibrator, 57-60 mm dia., Flexible Shaft Type, 4-6 m Minor Tools (10 of Labor)	0.50	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.13 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ROADWAY LIGHTING STATION - 120W LED LUMINAIRE ON 12M LIGHTING POST	1.00	Assy.					
	Anchor Bolt (20mm dia. X 300mm) with Washer & Nut	4.00	pcs					
	Rmc, 3000 psi @ 28 days c. Period, 3/4" Class "A"	0.17	cu.m					
	Reinforcing Bars (Grade 40)	10.00	kgs.					
	Tie Wire (2% of Rebars)	0.20	kg					
	Formworks	1.50	sq.m					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 2.5.2								
DESCRIPTION : HIH MAST FLOOD LIGHTING STATION - 8-400W LED LUMINAIRES IN MOTORIZED MOUNTING BRACKET 25 METER POLE IN								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	12.00	hr.					
</								

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/length
ITEM NO: 2.4.12							
DESCRIPTION : 63mmØ x 3.0m PVC pipe , including fittings and accessories							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	2.00	hr.				
L21	Unskilled Laborer	2.00	hr.				
TOTAL A							
B. EQUIPMENT							
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT		5.00 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	63mmØ x 3.0m PVC pipe	1.00	length				
	Fittings and accessories (5 % of the Above)	1.00					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6200 : LIGHTING AND WIRING DEVICE SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 2.3.48								
DESCRIPTION : PANELBOARD - MAIN: 4P125AT; BRANCHES: 12-1P20AT IN NEMA 3R ENCLOSURE								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	PANELBOARD - MAIN: 4P125AT; BRANCHES: 12-1P20AT IN NEMA 3R ENCLOSURE	1.00	Assy.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/lot	
ITEM NO: 2.1							
DESCRIPTION : PABX Telephone System, PRI Digital trunks, 1 × E1, Can support of up to 97 IP Phones, 2 hrs Battery backup with Rectifier							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	4.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.0042 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
TDS-1	PABX Telephone System, PRI Digital trunks, 1 × E1, Can support of up to 97 IP Phones, 2 hrs Battery backup with Rectifier Miscellaneous (5% of the Above)	1.00	LOT				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/SET	
ITEM NO: 2.2							
DESCRIPTION :Office-Type IP Phone, 4.3 - inch color TFT LCD with touch panel, Desk Mount Tilt, Speaker Phone, Headset PortRJ9 jack, Programmable Keys, Flexible function keys, Call Log Entries, Music on Hold, Ethernet Ports, 10/100/1000 Mbps, PoE							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
TDS-2	Office-Type IP Phone, 4.3 - inch color TFT LCD with touch panel, Desk Mount Tilt, Speaker Phone, Headset PortRJ9 jack, Programmable Keys, Flexible function keys, Call Log Entries, Music on Hold, Ethernet Ports, 10/100/1000 Mbps, PoE Miscellaneous (5% of the Above)	1.00	SET				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 5300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/unit			
ITEM NO: 2.3									
DESCRIPTION : Basic IP Phone, 132 × 64-pixel 2.3-inch Graphical LCD, Monochrome Graphical, Desk Mount Tilt, Speaker Phone, Programmable Keys, Call Log Entries, Music on Hold, 10/100 Mbps, PoE									
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST		
					LOCAL	TAXES	ECONOMIC	FINANCIAL	
A. LABOR									
L13	Foreman	1.00	hr.						
L20	Skilled Laborer	2.00	hr.						
L21	Unskilled Laborer	4.00	hr.						
TOTAL A									
B. EQUIPMENT									
Minor Tools (10 of Labor)									
TOTAL FOR B									
TOTAL A + B									
C. OUTPUT				0.50 qty./hr.					
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C									
E. MATERIALS									
TDS-3	Basic IP Phone, 132 × 64-pixel 2.3-inch Graphical LCD, Monochrome Graphical, Desk Mount Tilt, Speaker Phone, Programmable Keys, Call Log Entries, Music on Hold, 10/100 Mbps, PoE Miscellaneous (5% of the Above)	1.00	SET						
TOTAL E									
F. ESTIMATED DIRECT COST(D+E)									
G. OCM(0 - 8% OF F)									
H. PROFIT(0 - 8% OF F)									
I. VAT(5% OF (F+G+H))									
J. TOTAL UNIT COST(F+G+H+I)									

SECTION 6300 : TELEPHONE AND DATA SYSTEM					TOTAL UNIT COST		P/lot			
ITEM NO: 2.4										
DESCRIPTION : HORIZONTAL DISTRIBUTION LINE FOR DATA AND CCTV										
PRICE COMPONENT				QTY.	UNIT	P/UNIT	COMPONENT		COST	
							LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR										
L13	Foreman			1.00	hr.					
L20	Skilled Laborer			4.00	hr.					
L21	Unskilled Laborer			6.00	hr.					

SECTION 5300 : TELEPHONE AND DATA SYSTEM					TOTAL UNIT COST		P/pc.	
ITEM NO: 2.5.5								
DESCRIPTION : ROUGH-IN MATERIALS:CONDUIT, FITTINGS, PULL BOXES AND ACCESSORIES (FOR VOICE AND DATA)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EMT Pipe 1" Ø	76	lgts					
	EMT Coupling 1" Ø	55	pcs					
	EMT Connector 1" Ø	49	pcs					
	EMT Pipe 3/4" Ø	1604	lgts					
	EMT Coupling 3/4" Ø	1155	pcs					
	EMT Connector 3/4" Ø	1027	pcs					
	Square Box w/ Cover	428	pcs					
	Junction Box	337	pcs					
	Utility Box	337	pcs					
	Pull Box 6" x 6" x 4"	321	pcs					
	Pull Box 8" x 8" x 6"	16	pcs					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/LOT	
ITEM NO: 2.5.6							
DESCRIPTION : SUPPORT BRACKET, CHANNEL AND CLAMP (FOR VOICE AND DATA)							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	4.00	hr.					
L21 Unskilled Laborer	8.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Unistrut Channel 1 5/8"	146	lgts					
Threaded Round Bar 3/8"	642	lgts					
Expansion Shield/Anchor Bolt 3/8" Ø	1922	pcs					
Nut and washer 3/8" Ø	1922	sets					
Unistrut Clamp 1" Ø	122	pcs					
Unistrut Clamp 3/4" Ø	1567	pcs					
C-Clamp 1" Ø	110	pcs					
C-Clamp 3/4" Ø	2310	pcs					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/L/M	
ITEM NO: 2.6.1							
DESCRIPTION : FIBER OPTIC CABLE							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 5.00 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
TDS-25	12-core Fiber Optic Cable, 50/125um, Multimode, Indoor Type	1	mtrs				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6300 : TELEPHONE AND DATA SYSTEM					TOTAL UNIT COST		P/pc.	
ITEM NO: 2.6.2								
DESCRIPTION : 12 PORT LIU- FIBER PANEL								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-26	12-port LIU Fiber Panel loaded w/ SC/ST Couplers, Duplex, Multimode	1	sets					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.6.3								
DESCRIPTION : SC CONNECTOR, MULTI MODE								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				5.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-27	SC Connectors, Multimode	1	pcs					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.6.4								
DESCRIPTION : FIBER PATCH CORD								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				2.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-28	SC - LC Fiber Patch Cord, 50/125um, Multimode, 2 meters length Miscellaneous (5% of the Above)	1	pcs					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/LOT		
ITEM NO: 2.7.1								
DESCRIPTION : ROUGH-IN MATERIALS FOR FIBER OPTIC (CONDUIT, FITTINGS, PULL BOXES AND ACCESSORIES)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.02 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	EMT Pipe 1" Ø	164	lgts					
	EMT Coupling 1" Ø	119	pcs					
	EMT Connector 1" Ø	105	pcs					
	Pull Box 6" x 6" x 4"	33	pcs					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6300 : TELEPHONE AND DATA SYSTEM				TOTAL UNIT COST		P/LOT		
ITEM NO: 2.7.2								
DESCRIPTION : SUPPORT BRACKET, CHANNEL AND CLAMP FOR FIBER OPTIC								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Unistrut Channel 1 5/8"	14	lgts					
	Expansion Shield/Anchor Bolt 1/4" Ø	176	pcs					
	Nut and washer 1/4" Ø	176	sets					
	Unistrut Clamp 1" Ø	263	pcs					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/I.m.		
ITEM NO: 2.2.1								
DESCRIPTION : RG11 Coaxial Cable, 75ohms, 60% Braid Black (305m/RI)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					60.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-1	RG11 Coaxial Cable, 75ohms, 60% Braid Black (305m/RI)	1	lm					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/l.m.	
ITEM NO: 2.2.2							
DESCRIPTION : RG6 Solid Bare Copper Conductor 21% CCS, 95% Bare Copper Braid Shield Coaxial Cable Black (305mtr)							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				50.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTS-2	RG6 Solid Bare Copper Conductor 21% CCS, 95% Bare Copper Braid Shield Coaxial Cable Black (305mtr)	1	lm				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/PC		
ITEM NO: 2.2.3								
DESCRIPTION :Trunk Amplifier Outdoor Bi-Directional w AGC/ASC, 32dB, 42/54mhZ - 4RF Output"								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.13 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-3	Trunk Amplifier Outdoor Bi-Directional w AGC/ASC, 32dB, 42/54mhZ - 4RF Output" Miscellaneous (5% of the Above)	1	PC					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 2.2.4							
DESCRIPTION : Power Supply 60VAC / 15Amp							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.25 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTS-4 Power Supply 60VAC / 15Amp	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.5								
DESCRIPTION : 4-Way 17dB Tap-Off Outdoor								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					3.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-5	4-Way 17dB Tap-Off Outdoor	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/assy		
ITEM NO: 2.2.6								
DESCRIPTION : 4-Way 20dB Tap-Off Outdoor								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					3.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-6	4-Way 20dB Tap-Off Outdoor	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/assy				
ITEM NO: 2.2.7										
DESCRIPTION : 2-Way Outdoor Splitter 18dB										
PRICE COMPONENT				QTY.	UNIT	P/UNIT	COMPONENT		COST	
							LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR										
L13 Foreman				0.50	hr.					
L20 Skilled Laborer				1.00	hr.					
L21 Unskilled Laborer				2.00	hr.					
TOTAL A										
B. EQUIPMENT										
Minor Tools (5% of Labor)										
TOTAL FOR B										
TOTAL A + B										
C. OUTPUT				3.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C										
E. MATERIALS										
CTS-7 2-Way Outdoor Splitter 18dB				1	PC					
Miscellaneous (5% of the Above)										
</										

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.8								
DESCRIPTION : 3-Way Outdoor Splitter Balanced								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				3.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-8	3-Way Outdoor Splitter Balanced	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.9								
DESCRIPTION : Directional Coupler 8dB 1 Way								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					5.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-9	Directional Coupler 8dB 1 Way	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.10								
DESCRIPTION : Fiber to Coaxial Cable Converter, with Power Supply								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-10	Fiber to Coaxial Cable Converter, with Power Supply	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.11								
DESCRIPTION : RG 6 F Connector, Compression Type								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					50.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-11	RG 6 F Connector, Compression Type	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 2.2.12							
DESCRIPTION : RG 11 F Connector, Compression Type							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				15.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTS-12 RG 11 F Connector, Compression Type	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/m		
ITEM NO: 2.2.13								
DESCRIPTION : 4 Core OM3 Indoor Fiber Optic Cable								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					35.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-13	4 Core OM3 Indoor Fiber Optic Cable	1	l.m.					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/LM	
ITEM NO: 2.2.14							
DESCRIPTION : 6-Portfiber Panel Wall mount SC Loaded MM							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTS-14 6-Portfiber Panel Wall mount SC Loaded MM	1	PC.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 2.2.15							
DESCRIPTION : 3M SC-LC OM3 XG Fiber Optic Patchcord UPC							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				3.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTS-15 3M SC-LC OM3 XG Fiber Optic Patchcord UPC	1	PC.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.2.16								
DESCRIPTION : CATV Cabinet, 407mm (W) x 610mm (H) x 305mm (D), Ga no. 18 w/ backboard and lock								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-16	CATV Cabinet, 407mm (W) x 610mm (H) x 305mm (D), Ga no. 18 w/ backboard and lock Miscellaneous (5% of the Above)	1	PC.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/LOT	
ITEM NO: 2.3.1							
DESCRIPTION : ROUGH-IN: CONDUIT,FITTINGS, PULL BOXES AND ACCESSORIES							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	6.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
EMT Pipe 1" Ø	104.00	lgts					
EMT Coupling 1" Ø	76.00	pcs					
EMT Connector 1" Ø	67.00	pcs					
EMT Pipe 3/4" Ø	74.00	lgts					
EMT Coupling 3/4" Ø	54.00	pcs					
EMT Connector 3/4" Ø	48.00	pcs					
Square Box w/ Cover	49.00	pcs					
Utility Box	26.00	pcs					
Pull Box 6" x 6" x 4"	26.00	pcs					
Pull Box 8" x 8" x 6"	11.00	pcs					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6400 : CABLE TV SYSTEM				TOTAL UNIT COST		P/Lot	
ITEM NO: 2.3.2							
DESCRIPTION : SUPPORT, BRACKET, CLAMPS AND ACCESSORIES							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	4.00	hr.					
L21 Unskilled Laborer	6.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.08 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Unistrut Channel 1 5/8"	17	lgts					
Threaded Round Bar 3/8"	66	lgts					
Expansion Shield/Anchor Bolt 3/8" Ø	194	pcs					
Nut and washer 3/8" Ø	194	sets					
Unistrut Clamp 1" Ø	167	pcs					
Unistrut Clamp 3/4" Ø	119	pcs					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.1							
DESCRIPTION : Ceiling Mount Speaker 5 inch 6w							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.65 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Ceiling Mount Speaker 5 inch 6w	1	ea.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.2							
DESCRIPTION : Compact Speaker (WHT)							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.25 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Compact Speaker (WHT)	1	EA.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.3							
DESCRIPTION : Speaker System							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.15 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Speaker System	1	ea.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.4							
DESCRIPTION : Paging Horn Speaker							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Paging Horn Speaker	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.5							
DESCRIPTION : Ceiling Mount Microphone							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.70 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Ceiling Mount Microphone	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.		
ITEM NO: 1.1.6								
DESCRIPTION : Attenuator								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Attenuator	1	PC					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.7							
DESCRIPTION : Digital Announcer							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.8							
DESCRIPTION : Rack Mounting Bracket							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Rack Mounting Bracket	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.9							
DESCRIPTION : Compact Disc Player							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.10 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Compact Disc Player	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.10							
DECRPTION : Monitor Panel							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Monitor Panel	1	ea					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.		
ITEM NO: 2.2.11								
DESCRIPTION : Line Supervisory								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTS-11	Line Supervisory	1	ea					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.		
ITEM NO: 1.1.12								
DESCRIPTION : Voice Evacuation Frame 4AB								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.02 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Voice Evacuation Frame 4AB	1	ea					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.13							
DESCRIPTION : Digital Power Amplifier Module 500W							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Digital Power Amplifier Module 500W	1	ea					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.14							
DESCRIPTION ; Digital Power Amplifier Module 300W							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Digital Power Amplifier Module 300W	1	PC.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.		
ITEM NO: 1.1.15								
DESCRIPTION : Digital Power Amplifier Module 150W								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Digital Power Amplifier Module 150W	1	EA					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.16							
DESCRIPTION : Power Supply Manager							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.01 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Power Supply Manager	1	EA					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.17							
DESCRIPTION : Remote Microphone							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	3.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Remote Microphone	1.00	ea					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea	
ITEM NO: 1.1.18							
DESCRIPTION : Remote Microphone Extension							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	3.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.10 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Remote Microphone Extension	1	EA					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.19							
DESCRIPTION : AC Adapter Power							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
AC Adapter Power	1	PC.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.20							
DESCRIPTION : 1-Size Blank Panel							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
1-Size Blank Panel	1	EA					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/ea.		
ITEM NO: 1.1.21								
DESCRIPTION : 3-Size Blank Panel								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (5% of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Power Supply Manager	1	EA					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6500 : PUBLIC ADDRESS SYSTEM				TOTAL UNIT COST		P/m	
ITEM NO: 1.1.22							
DESCRIPTION : 16 AWG, 2 CONDUCTORS, WHITE JACKET, 500FT BOX. Premium 16 gauge speaker cable, featuring 65 strand OFC conductors and a super-luxe outer jacket. Built to exacting standards with zero compromises.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	3.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				28.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
16 AWG, 2 CONDUCTORS, WHITE JACKET, 500FT BOX. Premium 16 gauge speaker cable, featuring 65 strand OFC conductors and a super-luxe outer jacket. Built to exacting standards with zero compromises.	1.00	m					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.1							
DESCRIPTION : Wired Digital Clock							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.010 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Wired Digital Clock	1	ea.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.2							
DESCRIPTION : Large Digital Clock							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.25 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Large Digital Clock	1	EA.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.3							
DESCRIPTION : Time Zone Clock							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.50 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Time Zone Clock	1	ea.					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.4							
DESCRIPTION : Master Clock							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Master Clock	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.5							
DESCRIPTION : GPS Antenna							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.35 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
GPS Antenna	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/ea.	
ITEM NO: 1.1.6							
DESCRIPTION : NTP Server							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	1.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
NTP Server	1	PC					
Miscellaneous (5% of the Above)							
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/SET	
ITEM NO: 1.1.7							
DESCRIPTION : Network Clock Monitor Software							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (5% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.03 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Network Clock Monitor Software	1	SET				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6600 : MASTER CLOCK SYSTEM				TOTAL UNIT COST		P/LOT	
ITEM NO: 1.1.8							
DESCRIPTION : Wire, cable and other accessories							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	36.00	hr.					
L20 Skilled Laborer	360.00	hr.					
L21 Unskilled Laborer	720.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10% of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Cable, 75ohms, 60% Braid Black	1,250.00	lm				
	16 AWG, 2 CONDUCTORS, WHITE JACKET	1,600.00	lm				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/Set	
ITEM NO: 1.1							
DESCRIPTION : PTZ Camera, Full HD 1080p resolution, 25/30 fps image with a 1/1.9 in. 2 MP sensor, 6.0-180 mm, F1.6-F4.8, 30x optical zoom lens, Waterproof (IP67) and IK10 vandal resistant camera housing, AC/PoE							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.0417 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTV-01	PTZ Camera, Full HD 1080p resolution, 25/30 fps image with a 1/1.9 in. 2 MP sensor, 6.0-180 mm, F1.6-F4.8, 30x optical zoom lens, Waterproof (IP67) and IK10 vandal resistant camera housing, AC/PoE	1.00	UNIT				
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/Set		
ITEM NO: 1.2								
DESCRIPTION : Indoor Fixed Dome Camera, Ultra HD 4K/12 MP resolution at 20 fps or 8 MP at 25/30 fps, 1/1.7" 12 megapixel progressive scan CMOS imager, 4.1–12.8 mm, F1.53, motorized focus/zoom lens, PoE, 45 m (145 ft) IR distance								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-02	Indoor Fixed Dome Camera, Ultra HD 4K/12 MP resolution at 20 fps or 8 MP at 25/30 fps, 1/1.7" 12 megapixel progressive scan CMOS imager, 4.1–12.8 mm, F1.53, motorized focus/zoom lens, PoE, 45 m (145 ft) IR distance Miscellaneous (5% of the Above)	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/Set		
ITEM NO: 1.3								
DESCRIPTION : Fixed Dome Camera, 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager, 2.7-12 mm or 7-22 mm, F1.4, motorized focus and zoom lens, PoE, 45 m (145 ft) IR distance								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		0.13 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-03	Fixed Dome Camera, 1/2.7" or 1/2.8" 2 MP progressive scan imager or 1/3" 4 MP progressive scan imager, 2.7-12 mm or 7-22 mm, F1.4, motorized focus and zoom lens, PoE, 45 m (145 ft) IR distance Miscellaneous (5% of the Above)	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/Set		
ITEM NO: 1.4								
DESCRIPTION : Thermal IR Bullet Network Camera, Thermographic Module: Uncooled 384x288, 15mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C(±0.3°C with Blackbody); Visible Light Module: 1/2.7", CMOS, 6mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 256GB on-board storage, ONVIF, IP66, AC/DC/PoE, Tripods of Thermal Camera & Black Body								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	4.00	hr.					
L21	Unskilled Laborer	6.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0417 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-04	Thermal IR Bullet Network Camera, Thermographic Module: Uncooled 384x288, 15mm Lens, Temperature Range 30°C ~ 45°C, Temperature Accuracy ±0.5°C(±0.3°C with Blackbody); Visible Light Module: 1/2.7", CMOS, 6mm lens, H.265/ H.264/ MJPEG, 25fps @ 2688 x 1520,TDN, 120dB WDR, support 256GB on-board storage, ONVIF, IP66, AC/DC/PoE, Tripods of Thermal Camera & Black Body	1	SET	1,110,346.00				
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/ASSY		
ITEM NO: 1.5								
DESCRIPTION : Keyboard for NVR control, multiple connectivity options (RS232/422/485 and TCP/IP), web browser for easy upgrading and configuring, keys are backlit with pleasant adjustable blue LED, keys are laser cut and fade-free, Power over Ethernet (PoE)								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.06 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-05	Keyboard for NVR control, multiple connectivity options (RS232/422/485 and TCP/IP), web browser for easy upgrading and configuring, keys are backlit with pleasant adjustable blue LED, keys are laser cut and fade-free, Power over Ethernet (PoE)	1	SET					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/Set	
ITEM NO: 1.6							
DESCRIPTION : Network Video Recorder (NVR), Can record and monitor up to 64 channels, HDMI, 2U rack mounted, Dual 1 GB Network ports, Internal storage capacity can support the total number of camera, Support for Web Client on Windows PC, Supports live, playback/search of recorded video for up to 4K resolution on all cameras, taking snapshots and viewing presets for PTZ cameras.							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	4.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.05 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
CTV-06	Network Video Recorder (NVR), Can record and monitor up to 64 channels, HDMI, 2U rack mounted, Dual 1 GB Network ports, Internal storage capacity can support the total number of camera, Support for Web Client on Windows PC, Supports live, playback/search of recorded video for up to 4K resolution on all cameras, taking snapshots and viewing presets for PTZ cameras.	1	SET	755,100.00			
	Miscellaneous (5% of the Above)						
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/SET	
ITEM NO: 1.7							
DESCRIPTION : Video Management System (VMS) Software							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/SET		
ITEM NO: 1.8								
DESCRIPTION : 42" LED Widescreen Full HD Display, 16: Aspect Ratio, 1920 x 1080 Resolution, Viewing Angle: 178° x 178°, Power Supply: 100-240V, 50/60Hz								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.50 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-08	42" LED Widescreen Full HD Display, 16: Aspect Ratio, 1920 x 1080 Resolution, Viewing Angle: 178° x 178°, Power Supply: 100-240V, 50/60Hz	1	pcs					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/SET		
ITEM NO: 1.9								
DESCRIPTION : PC Desktop Wokstation, Intel Core i7, 8GB (1X8GB) DDR4 2666MHz SODIMM, 512GB M.2 SSD + 1TB 7200RPM SATA 2.5" HDD, Windows 10, NVIDIA GeFroce GTX 1050Ti 4GB GDDR5, with 22" Monitor, Keyboard & Mouse								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	2.00	hr.					

SECTION 6700 : CCTV SYSTEM				TOTAL UNIT COST		P/SET		
ITEM NO: 1.10								
DESCRIPTION : Thermal Camera PC, Intel Core i5, 8GB (1X8GB) DDR4 2666MHz SODIMM, 512GB M.2 SSD + 1TB 7200RPM SATA 2.5" HDD, Windows 10, NVIDIA GeForce GTX 1050 2GB GDDR5, with 22" Monitor, Keyboard & Mouse								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
CTV-10	Thermal Camera PC, Intel Core i5, 8GB (1X8GB) DDR4 2666MHz SODIMM, 512GB M.2 SSD + 1TB 7200RPM SATA 2.5" HDD, Windows 10, NVIDIA GeForce GTX 1050 2GB GDDR5, with 22" Monitor, Keyboard & Mouse Miscellaneous (5% of the Above)	1	sets					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 IP CCTV SYSTEM				TOTAL UNIT COST		P/ASSY		
ITEM NO: 2.5.1								
DESCRIPTION : DATA CABINET RACK AND ACCESSORIES-1								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-18	42 RU Data Cabinet 800mm (W) × 800mm (D), standard 19" racking system, framing and panelling Ga. #16, perforated front door w/ 2 front vertical cable manager, 4 exhaust fans on top panel, detachable side and back panels with lock and ventilation, powerstrip with 12 Duplex C.O. 3-prong 220 Volts 15A capacity, with continuous tray and color black powder coated finish. Miscellaneous (5% of the Above)	1	ASSY.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 IP CCTV SYSTEM				TOTAL UNIT COST		P/assy	
ITEM NO: 2.5.2							
DESCRIPTION : DATA CABINET RACK AND ACCESSORIES-2							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	4.00	hr.					
L21 Unskilled Laborer	6.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
TDS-19 18 RU Data Cabinet 800mm (W) x 800mm (D), standard 19" racking system, framing and panelling Ga. #16, perforated front door w/ 2 front vertical cable manager, 4 exhaust fans on top panel, detachable side and back panels with lock and ventilation, powerstrip with 12 Duplex C.O. 3-prong 220 Volts 15A capacity, color black powder coated finish. Miscellaneous (5% of the Above)	1	ASSY.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 6700 IP CCTV SYSTEM				TOTAL UNIT COST		P/assy		
ITEM NO: 2.5.3								
DESCRIPTION : HORIZONTAL CABLE MANAGER								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				1.50 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-20	1 RU Horizontal Cable Manager	1	pcs					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 6700 IP CCTV SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.5.4								
DESCRIPTION : POWER DISTRIBUTION UNIT								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				1.50 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
TDS-21	Power Distribution Unit	1	pcs					
	Miscellaneous (5% of the Above)							
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM					TOTAL UNIT COST		P/SET	
ITEM NO: 1.1.1								
DESCRIPTION : Fire Alarm Control Panel - 2 loops, Addressable, Red								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.006 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Fire Alarm Control Panel - 2 loops, Addressable, Red	1.00	SET					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc	
ITEM NO: 1.1.2							
DESCRIPTION : Pan Bat 12-12 (Back Up Battery, 12VDC)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM					TOTAL UNIT COST		P/pc				
ITEM NO: 1.2.3											
Wide Smoke Range Photo Sensor											
PRICE COMPONENT					QTY.	UNIT	P/UNIT	COMPONENT		COST	
								LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR											
L13	Foreman				0.50	hr.					
L20	Skilled Laborer				2.00	hr.					
L21	Unskilled Laborer				4.00	hr.					
TOTAL A											
B. EQUIPMENT											
Minor Tools (10 of Labor)											
TOTAL FOR B											
TOTAL A + B											
C. OUTPUT					0.50 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C											
E. MATERIALS											
	Wide Smoke Range Photo Sensor				1.00	PC.					

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc	
ITEM NO: 1.1.4							
DESCRIPTION : 4" Analog Sensor Base, Bone							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
4" Analog Sensor Base, Bone	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 1.1.5								
DESCRIPTION : Heat Sensor								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.25 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Heat Sensor	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM					TOTAL UNIT COST		P/pc	
ITEM NO: 1.1.6								
DESCRIPTION : Beam Detector								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.04 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Beam Detector	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc	
ITEM NO: 1.1.7							
DESDRIPTION : Local Combination Box (Lamp, MCP, Bell)							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	2.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.30 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Local Combination Box (Lamp, MCP, Bell)	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/PC.	
ITEM NO: 1.1.8							
DESCRIPTION : Flush Mout Box for LCD							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.80 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Flush Mout Box for LCD	1.00	PC.					
							</

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 1.1.9							
DESCRIPTION : Supervised Output Module							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.65 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Supervised Output Module	1.00	PC.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 1.1.10							
DESCRIPTION: Zone Input Module							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.30 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Zone Input Module	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM					TOTAL UNIT COST		P/pc	
ITEM NO: 1.1.11								
DESCRIPTION : Automatic Voltage Regulator, 1000W								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	1.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Automatic Voltage Regulator, 1000W	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/length	
ITEM NO: 2.1.1							
DESCRIPTION : 20mm dia X 3 IMC (ROUGH -IN WORKS)							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				2.05 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
20 mm dia X 3 IMC and other accessories	1.00	length					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.	
ITEM NO: 2.1.2							
DESCRIPTION : 20mm dia Coupling							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				12.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
20 mm Ø coupling	1.00	pc.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.1.3								
DESCRIPTION : FMC 1/2" dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				2.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	FMC 1/2 " Ø	1.00	roll					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.1.4								
DESCRIPTION : Junction Box								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				25.00 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	4 x 4 Junction Box inc. Accessories	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.1.5								
DESCRIPTION : Junction box Connector 20mm dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					21.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Junction box Connector 20mm dia.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.1.6								
DESCRIPTION ; Straight Connector 20mm dia.								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	0.50	hr.					
L20	Skilled Laborer	1.00	hr.					
L21	Unskilled Laborer	2.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT		19.00 qty./hr.						
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Straight Connector 20mm dia.	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM					TOTAL UNIT COST		P/pc.	
ITEM NO: 2.1.7								
DESCRIPTION : 500x500 mm dia. BOX								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
Minor Tools (10 of Labor)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.30 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	500x500 mm dia. BOX	1.00	pc.					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/LENGTH	
ITEM NO: 2.1.8							
DESCRIPTION : 40mm dia. Conduit pipe for riser							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				1.50 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
40 mm dia Cconduit pipe and accessories	1.00	length					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pc.		
ITEM NO: 2.1.9								
DESCRIPTION : Hangers, Supports and other accessories								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	2.00	hr.					
L21	Unskilled Laborer	4.00	hr.					
TOTAL A								
B. EQUIPMENT								
E041	Generator Set, 351 - 400 kw, 439 - 500 kva., Models	0.50	hr.					
E076	Cutting Outfit (Oxy/Acetylene),Harris of Equivalent	1.00	hr.					
E069	Welding Machine, 300 Amp., 48.0 hp. Minor Tools (5% of Labor)	1.00	hr.					
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT				0.0065 qty./hr.				
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	Expansion Shield/Anchor Bolt 3/8" Ø	42.00	pcs					
	Nut and washer 3/8" Ø	84.00	set					
	L 50 x 50 x 6mm	26.00	pcs					
	20 mm dia. L & B	300.00	pair					
	20 mm dia. Flexible conduit	75.00	l.m.					
	20 mm dia. Angles and straight connector	150.00	pair					
	Raceway, R/W body, 70 mm x 40 mm	40.00	l.m.					
	OXYGEN (CONTENT ONLY)	3.00	cyl.					
	ACETYLENE (CONTENT ONLY)	3.00	cyl.					
	WELDING ROD	15.00	kg.					
	PRIMER PAINT	8.00	liter					
	EPOXY PAINT	8.00	liter					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SERIES 6800 : FIRE DETECTION AND ALARM SYSTEM				TOTAL UNIT COST		P/pair	
ITEM NO: 3.1							
DESCRIPTION : Wirings (TF Wire #16), single wire							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	0.50	hr.					
L20 Skilled Laborer	1.00	hr.					
L21 Unskilled Laborer	2.00	hr.					
TOTAL A							
B. EQUIPMENT							
Minor Tools (10 of Labor)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				30.00 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
Wirings (TF Wire #16), single wire	1.00	l.m.					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H)							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 7200 : ELEVATOR					TOTAL UNIT COST		P/Set	
ITEM NO: 1.1								
DESCRIPTION : PASSENGER ELEVATOR								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	6.00	hr.					
L21	Unskilled Laborer	8.00	hr.					
TOTAL A								
B. EQUIPMENT								
E076	Cutting Outfit (Oxy/Acetylene),Harris of Equivalent	1.00	hr.					
E069	Welding Machine, 300 Amp., 48.0 hp., Gas/Diesel Driven	1.00	hr.					
E056	Service Truck	1.00	hr.					
	Minor Tools (10 of Labor)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0033 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	ELEVATOR , 14 Passenger Capacity, 1050 kgs, rate speed 60.	1.00	unit					
	Variable Voltage Regulator and Power Filter System	1.00	unit					
	Import Taxes/ Duties	1.00	l.s					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 7200 : ELEVATOR				TOTAL UNIT COST		P/Set	
ITEM NO: 1.2							
DESCRIPTION : PASSENGER/SCENIC ELEVATOR							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	6.00	hr.				
L21	Unskilled Laborer	8.00	hr.				
TOTAL A							
B. EQUIPMENT							
E076	Cutting Outfit (Oxy/Acetylene), Harris of Equivalent	1.00	hr.				
E069	Welding Machine, 300 Amp., 48.0 hp., Gas/Diesel Driven	1.00	hr.				
E056	Service Truck	1.00	hr.				
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.0032 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	ELEVATOR/SCENIC , 14 Passenger Capacity, 1050 kgs, rate speed 60.	1.00	unit				
	Variable Voltage Regulator and Power Filter System	1.00	unit				
	Import Taxes and Duties (VAT EXCLUDED)	1.00	l.s				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 7200 : ELEVATOR				TOTAL UNIT COST		P/Set	
ITEM NO: 1.2							
DESCRIPTION : PASSENGER/SCENIC ELEVATOR							
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST
					LOCAL	TAXES	ECONOMIC FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	6.00	hr.				
L21	Unskilled Laborer	8.00	hr.				
TOTAL A							
B. EQUIPMENT							
E076	Cutting Outfit (Oxy/Acetylene), Harris of Equivalent	1.00	hr.				
E069	Welding Machine, 300 Amp., 48.0 hp., Gas/Diesel Driven	1.00	hr.				
E056	Service Truck	1.00	hr.				
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.0032 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	ELEVATOR/SCENIC , 14 Passenger Capacity, 1050 kgs, rate speed 60.	1.00	unit				
	Variable Voltage Regulator and Power Filter System	1.00	unit				
	Import Taxes and Duties (VAT EXCLUDED)	1.00	l.s				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 7200 : ELEVATOR				TOTAL UNIT COST		P/Set	
ITEM NO: 1.3							
DESCRIPTION : INDOOR ESCALATOR							
				COMPONENT		COST	
PRICE COMPONENT				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13	Foreman	1.00	hr.				
L20	Skilled Laborer	6.00	hr.				
L21	Unskilled Laborer	8.00	hr.				
TOTAL A							
B. EQUIPMENT							
E076	Cutting Outfit (Oxy/Acetylene),Harris of Equivalent	1.00	hr.				
E069	Welding Machine, 300 Amp., 48.0 hp., Gas/Diesel Driven	1.00	hr.				
E056	Service Truck	1.00	hr.				
	Minor Tools (10 of Labor)						
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT				0.0017 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
	Indoor Escalator , 6000 Passenger/hr, 1050 kgs, rate speed 30.	1.00	unit				
	Import Taxes and Duties (VAT EXCLUDED)	1.00	l.s				
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 7700: FLOOD CONTROL SYSTEM					TOTAL UNIT COST		P/ASSY	
ITEM NO: 1.01								
DESCRIPTION : System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Middle Supports, FCD-1-1 - Gate Entrance,FCD-1-2 - Gate Entrance								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	8.00	hr.					
L21	Unskilled Laborer	20.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	0.50	hr.					
E011	Cargo Truck, 9 - 10 tonner, 270 hp, U.S. & other makes	0.50	hr.					
Tools to complete the works (10% of Labor Cost)								
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0050 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Middle Supports, FCD-1-1 - Gate Entrance,FCD-1-2 - Gate Entrance	1	ASSY					
	Import Taxes and Duties (VAT EXCLUDED)	1.00	Lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H))								
J. TOTAL UNIT COST(F+G+H+I)								

SECTION 7700: FLOOD CONTROL SYSTEM				TOTAL UNIT COST		P/ASSY	
ITEM NO: 1.02							
DESCRIPTION : System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Corner Supports, FCD-2-1 - Fire Exit Avescom Rm,							
PRICE COMPONENT	QTY.	UNIT	P/UNIT	COMPONENT		COST	
				LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR							
L13 Foreman	1.00	hr.					
L20 Skilled Laborer	6.00	hr.					
L21 Unskilled Laborer	12.00	hr.					
TOTAL A							
B. EQUIPMENT							
E078 Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	0.50	hr.					
E011 Cargo Truck, 9 - 10 tonner, 270 hp, U.S. & other makes	0.50	hr.					
Tools to complete the works (10% of Labor Cost)							
TOTAL FOR B							
TOTAL A + B							
C. OUTPUT 0.0150 qty./hr.							
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C							
E. MATERIALS							
System H1, 200: RS Demountable Barriers (Ground Beam, Flat Headed Blanking bolts and accessories included), RS Side Channels, RS Corner Supports, FCD-2-1 - Fire Exit Avescom Rm,	1	ASSY					
Import Taxes and Duties (VAT EXCLUDED)	1.00	Lot					
TOTAL E							
F. ESTIMATED DIRECT COST(D+E)							
G. OCM(0 - 8% OF F)							
H. PROFIT(0 - 8% OF F)							
I. VAT(5% OF (F+G+H))							
J. TOTAL UNIT COST(F+G+H+I)							

SECTION 7700: FLOOD CONTROL SYSTEM					TOTAL UNIT COST		P/ASSY		
ITEM NO: 1.03									
RS Lift-Hinged Floodgate (Ground Beram with anchor Plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby									
PRICE COMPONENT			QTY.	UNIT	P/UNIT	COMPONENT		COST	
						LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR									
L13	Foreman	1.00	hr.						
L20	Skilled Laborer	8.00	hr.						
L21	Unskilled Laborer	20.00	hr.						

SECTION 7700: FLOOD CONTROL SYSTEM				TOTAL UNIT COST		P/ASSY		
ITEM NO: 1.4								
DESCRIPTION : RS Lift-Hinged Floodgate (Ground Beram with anchor Plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby								
PRICE COMPONENT		QTY.	UNIT	P/UNIT	COMPONENT		COST	
					LOCAL	TAXES	ECONOMIC	FINANCIAL
A. LABOR								
L13	Foreman	1.00	hr.					
L20	Skilled Laborer	7.00	hr.					
L21	Unskilled Laborer	14.00	hr.					
TOTAL A								
B. EQUIPMENT								
E078	Truck Mounted Crane, Hydraulic Telescopic Boom, 21-25MT, All Models	0.50	hr.					
E011	Cargo Truck, 9 - 10 tonner, 270 hp, U.S. & other makes	0.50	hr.					
	Tools to complete the works (10% of Labor Cost)							
TOTAL FOR B								
TOTAL A + B								
C. OUTPUT					0.0100 qty./hr.			
D. UNIT COST (EQUIPMENT & LABOR)=(A+B)/C								
E. MATERIALS								
	RS Lift-Hinged Floodgate (Ground Beram with anchor Plates and accessories included), FCD-3-1 - Bus Gate Lift-1 Lobby, FCD-3-2 - Bus Gate Lift-1 Lobby, FCD-3-3 - Bus Gate Lift-1 Lobby, FCD-3-4 - Bus Gate Lift-1 Lobby, FCD-3-5 - Bus Gate Lift-1 Lobby	1	Unit					
	Import Taxes and Duties (VAT EXCLUDED)	1.00	Lot					
TOTAL E								
F. ESTIMATED DIRECT COST(D+E)								
G. OCM(0 - 8% OF F)								
H. PROFIT(0 - 8% OF F)								
I. VAT(5% OF (F+G+H)								
J. TOTAL UNIT COST(F+G+H+I)								

Signature: _____

Printed Name: _____

Position: _____

Name Company: _____

Date: _____

Section IX. Bidding Forms

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Other Bidding Forms

(ANNEX “A”)

ANNEX “A” FORM 1	STATEMENT OF ALL ON-GOING CONTRACTS
ANNEX “A” FORM 2	STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT
ANNEX “A” FORM 3	JOINT RESOLUTION FORM FOR JVA

{ATTACH COMPANY LETTERHEAD/LOGO}

Statement of all its ON-GOING government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid

Name of Project: _____

Location of Project: _____

Name of Company : _____

Address of Company: _____

[illegible]

Submitted by: _____

(Print Name & Signature)

Designation: _____

Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO}

Statement of single largest COMPLETED contract similar to the contract to be bid

Name of Project: _____
Location of Project: _____

Name of Company : _____
Address of Company: _____

Name of Contract	a. Owner's Name b. Address c. Telephone No.	Nature of Work	Contractor's Role		Contract Amount at Award	a. Date Awarded b. Date of Contract c. Contract Duration d. Date Started e. Date Completed
			Description	%		

Submitted by: _____
(Print Name & Signature)

Designation: _____

Date: _____

JOINT RESOLUTION

Whereas, _____ (Bidder / Name of Particular JV Partner), duly organized and existing under the Laws of the _____, with office address at _____, represented herein by its _____, _____, and _____ (Name of Particular JV Partner), duly organized and existing under the Laws of the _____, with main office address at _____, represented by herein by its _____, have entered into a Joint Venture (JV) Agreement to undertake the following project / contract:

(Name of Project / Contract)

Whereas, in order to facilitate the orderly execution and conduct of the contract that was entered into by the joint venture in the name of the joint venture, it is hereby resolved by the parties in the Joint Venture as follows:

- a. To appoint _____ as the Authorized Managing Officer and Official Representative, to represent, to manage the Joint Venture and is empowered to enter in contract in the name of the Joint Venture, or to sign for any document in the name of the Joint Venture required by the (Procurement Agency) or any entities pursuant to the terms of the Joint Venture Agreement:
- b. That, the parties agreed to make _____ (Name of Particular Lead Partner) _____ as the Lead Partner of the Joint Venture and (Name of Authorized Officer) _____ as the Official Representative & Managing Partner of the Joint Venture, and are granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the Eligibility Check, Bidding and Undertaking of the said contract in the name of the Joint Venture, as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation. _____ is fully authorized and empowered to sign any or all documents pertaining to the above stated project / contract in the name of the Joint Venture.
- c. That the parties agree to be jointly and severally liable for their participation in the Eligibility Check, Bidding and Undertaking of the said contract.
- d. That the terms of the JV Agreement entered into the parties shall be valid and is co-terminus with the final completion and turnover of the Name of Contract / Project to

the agency of the government, which in this case, the (Name of Procurement Entity);

IN WITNESS THEREFORE, We hereby sign jointly this Joint Resolution this _____ day of _____, 20 ____ in _____.

Name of Bidder (Lead Partner)

Name of Bidder (Member Partner)

By: _____

Signature & Name of
Managing Officer

By: _____

Signature & Name of Authorized
Authorized Representative

Designation / Position

Designation / Position

Name of Bidder (Member Partner)

Name of Bidder (Member Partner)

By: _____

Signature & Name of
Managing Officer

By: _____

Signature & Name of Authorized
Authorized Representative

Designation / Position

Designation / Position

SIGNED IN THE PRESENCE OF:

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)

CITY OF _____)S.S.

BEFORE ME, a Notary Public, for and in the City of _____, Philippines,
this _____ day of _____, 20____ personally appeared the following persons:

NAME	Community Cert. No.	Date / Place of Issue
------	---------------------	-----------------------

Representing _____ to be the _____ of
_____ and _____ of
_____ respectively, known to me and
to me known to be the same persons who executed the foregoing instrument for and in behalf
of said corporations and who acknowledge to me that same is their free and voluntary act
and deed as well as of the corporations which they represent, for the uses, purposes, and
considerations therein set forth and that they are duly authorized to sign the same.

This Instrument consists of THREE (3) pages including this page wherein this
Acknowledgement is written and signed by the parties and their instrumental witnesses on
each and every page thereon.

WITNESS MY HAND AND NOTARIAL SEAL at the place and date hereinafter first
above written.

NOTARY PUBLIC

Doc. No. _____

Book No. _____

Page No. _____

Series of _____

Other Bidding Forms

(ANNEX “B”)

Annex “B” Form 1	Certificate of Site Inspection
Annex “B” Form 2	Bid Securing Declaration
Annex “B” Form 3	Organizational Chart of Contract to be Bid
Annex “B” Form 4	Qualification of Key Personnel Proposed to be Assigned in the Project
Annex “B” Form 5a	Contractor's Letter-Certificate to Procuring Entity
Annex “B” Form 5b	Key Personnel's Certificate of Employment
Annex “B” Form 5c	Key Personnel (Format of Bio-Data)
Annex “B” Form 6	List of Equipment Owned or Leased and/or under Purchased
Annex “B” Form 7	Omnibus Sworn Statement



Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

CERTIFICATE OF SITE INSPECTION

This is to CERTIFY that _____, employee of _____, has conducted the required Site Inspection for the bidding of the project “_____” at _____.

Issued this _____, 2021

Airport Manager/Officer-in-Charge:

Signature over Printed Name

Bid-Securing Declaration

(REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

x-----x

Invitation to Bid *[Insert reference number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1 (f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
 - c. I am/we are declared as the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month]
[year] at [place of execution].

[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this ____ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this ____ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission _____
Notary Public for _____ **until** _____
Roll of Attorneys No. _____
PTR No. __, [date issued], [place issued]
IBP No. __, [date issued], [place issued]
Doc. No. ____
Page No. ____
Book No. ____
Series of ____.

Contractor’s Organizational Chart for the Project

Submit Copy of the Organizational Chart that the Contractor intends to use to execute the contract if awarded to him. Indicate in the chart the names of the Key Engineering Personnel who will be assigned in the Project.

{ATTACH COMPANY LETTERHEAD/LOGO}

Attach the required Proposed Organizational Chart for the Contract as stated above.

Submitted by: _____

Designation : _____

Date : _____

{ATTACH COMPANY LETTERHEAD/LOGO }

Qualification of Key Personnel Proposed to be Assigned to the Project

Name of Project: _____

Location of Project: _____

Name of Company: _____

Address of Company: _____

	Project Manager/Engineer	Material Engineer	Foreman	Construction Safety and Health Personnel	Other Position deemed required by the Applicant for this project
1. Name					
2. Address					
3. Date of Birth					
4. Employed Since					
5. Experience					
6. Previous Employment					
7. Education					
8. PRC License					

Note: Attached individual PRC License of the (professional) personnel.

Submitted by : _____

(Signature over Printed Name)

Designation : _____

Date : _____

{ATTACH COMPANY LETTERHEAD/LOGO}

Date: _____

CAPTAIN DONALDO A. MENDOZA

Chairman, Bids and Awards Committee - **Charlie**

Civil Aviation Authority of the Philippines

Mia Road, Pasay City, M.M. 1300

Tel: 944-2358

Subject: Contractor's Letter-Certificate to Procuring Entity

Dear Sir:

Supplementing our Organizational Chart for the Contract, we have the honor to submit herewith, and to certify as true and correct, the following pertinent information:

That I/we have engaged the service of (Name of Employee), to be the (Designation) of the (Name of Project), who is a (Profession) with Professional License Certificate No. issued on and who has performed the duties in the construction of the project enumerated in the filled Annex "B" Form 5b.

That (Name of Employee) shall personally perform the duties of the said position in the above-mentioned project, if and when the same is awarded in our favor.

That (Name of Employee) shall employ the best care, skill and ability in performing his duties in accordance with the Contract Agreement, Conditions of Contract, Plans, Specifications, Special Provisions, and other provisions embodied in the proposed contract.

That (Name of Employee) shall be personally present at the jobsite all the time to supervise the phase of the construction work pertaining to his assignment as (Designation).

That (Name of Employee) is aware that he shall be authorized to handle only one contract at a time.

That in order to guarantee that (Name of Employee) shall perform his duties properly and be personally present in the Job Site, he is hereby required to secure a certificate of appearance for the Procuring Entity's Engineer at the end of every month.

That in the event that I/we elect or choose to replace (Name of Employee) with another Engineer, the Procuring Entity will be accordingly notified by us in writing at least twenty one (21) days before making replacement. We will submit to the Procuring Entity, for prior approval, the name of the proposed new (Designation), his qualification, experience, list of projects undertaken and other relevant information.

That any willful violation on my/our part of the herein conditions may prejudice my/our standing as a reliable contractor in future bidding of the Procuring Entity.

Very truly yours,

(Authorized Representative of Bidder)

CONCURRED BY:

(Name of Engineer)

{ATTACH COMPANY LETTERHEAD/LOGO}

Date: _____

CAPTAIN DONALDO A. MENDOZA

Chairman, Bids and Awards Committee - **Charlie**

Civil Aviation Authority of the Philippines

Mia Road, Pasay City, M.M. 1300

Tel: 944-2358

Subject: Key Personnel's Certificate of Employment

Dear Sir:

I am (Name of Employee) a License _____ Engineer with Professional License No. _____ issued on (Date of Issuance) at (Place of Issuance).

I hereby certify that (Name of Bidder) has engaged my services as (Designation) for (Name of the Project), if awarded in their favor.

As (Designation), I know I will have to stay in the job site all the time to supervise and managed the Contract works to the best of my ability, and aware that I am authorized to handle only one (1) contract at a time.

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of (Designation).

As (Designation), I supervised the following completed projects similar to the contract under bidding:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

At present, I am supervising the following project:

NAME OF PROJECT	OWNER	COST	DATE COMPLETION
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

In case of my separation for any reason whatsoever from the above-mentioned Contractor, I shall notify the _____ (*Name of the Procuring Entity*) at least twenty one (21) days before the effective date of my separation.

(Signature of Engineer)

SUBSCRIBED AND SWORN to before me this ____ day of _____, 20____
affiant exhibiting to me his/her Residence Certificate No. _____ issued
on _____ at _____, Philippines.

Notary Public

Until 31 December 20____
PRT No.: _____
Issued at: _____
Issued on: _____
TIN No.: _____

Doc. No. _____
Page No. _____

Book No. _____
Series of _____

CAAP-BAC-SF Annex "B" Form 5c

KEY PERSONNEL
(FORMAT OF BIO-DATA)

Give the detailed information of the following personnel who are scheduled to be assigned as full-time field staff for the project. Fill up a form for each person.

1. Authorized Managing Officer / Representative: _____

2. Sustained Technical Employee:

Name: _____

Date of Birth: _____

Nationality: _____

Education and Degrees: _____

Specialty: _____

Registration: _____

Length of Service with the Firm:

_____ Year From _____ (months) _____ (year)

To _____ (months) _____ (year)

Years of Experience:

If Item 7 is less than ten (10) years, give name and length of service with previous employers for a ten (10) year period (attached additional sheet/s, if necessary:

Name and Address of Employer Length of Service

_____ _____ year(s) from _____ to _____

_____ _____ year(s) from _____ to _____

_____ _____ year(s) from _____ to _____

Experience:

This should cover the past ten (10) years of experience. (Attached as many pages as necessary to show involvement of personnel in projects using the format below).

- a. Name: _____
- b. Name and Address of Owner: _____
- c. Name and Address of the Owner's Engineer (Consultant): _____
- d. Indicate the Features of Project (particulars of the project components and any other particular interest connected with the project): _____
- e. Contract Amount Expressed in Philippine Currency: _____
- f. Position: _____
- g. Structures for which the employee was responsible: _____
- h. Assignment Period: from _____(months) _____(years)
to _____(months) _____(years)

Name and Signature of Employee

It is hereby certified that the above personnel can be assigned to the _____ Project, if the contract is awarded to our company.

(Place and Date)

(The Authorized Representative)

List of Equipment, Owned or Leased and/or under Purchased Agreements, Pledge to the Proposed Project

Name of Project: _____
Location of Project: _____

Name of Company: _____
Address of Company: _____

Description	Model/Year	Capacity/ Performance/ Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership/ Lessor or Vendor
<u>A. Owned</u>							
I.							
II.							
III.							
IV.							
V.							
<u>B. Leased</u>							
I.							
II.							
III.							
IV.							
V.							
<u>C. Under Purchased Agreement</u>							
I.							
II.							
III.							
IV.							
V.							

Submitted by : _____
Designation : _____
Date : _____
(Signature over Printed Name)

Omnibus Sworn Statement

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, *[Name of Affiant]*, of legal age, *[Civil Status]*, *[Nationality]*, and residing at *[Address of Affiant]*, after having been duly sworn in accordance with law, do hereby depose and state that:

1. *Select one, delete the other:*

If a sole proprietorship: I am the sole proprietor or authorized representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

If a partnership, corporation, cooperative, or joint venture: I am the duly authorized and designated representative of *[Name of Bidder]* with office address at *[address of Bidder]*;

2. *Select one, delete the other:*

If a sole proprietorship: As the owner and sole proprietor or authorized representative of *[Name of Bidder]*, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity]* *[insert "as shown in the attached duly notarized Special Power of Attorney" for the authorized representative]*;

If a partnership, corporation, cooperative, or joint venture: I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity]*, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable;

3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. **Select one, delete the rest:**

If a sole proprietorship: The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

If a partnership or cooperative: None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

If a corporation or joint venture: None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Documents;
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of ____, 20__ at _____, Philippines.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

* This form will not apply for WB funded projects.

Bid Form

Date: _____

IB² N^o: _____

To: *[name and address of PROCURING ENTITY]*

Address: *[insert address]*

We, the undersigned, declare that:

- (a) We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract *[insert name of contract]*;
- (b) We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

The total price of our Bid, excluding any discounts offered below is: *[insert information]*;

The discounts offered and the methodology for their application are: *[insert information]*;

- (c) Our Bid shall be valid for a period of *[insert number]* days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract;
- (e) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: *[insert information]*;
- (f) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- (g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;

² If ADB, JICA and WB funded projects, use IFB.

- (h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- (i) We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- (j) **We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].**
- (k) **We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.**

Name: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of: _____

Date: _____

Other Bidding Forms

(ANNEX “C”)

Annex “C” Form 1	Bill of Quantities
Annex “C” Form 2	 Detailed Breakdown of Component of Each Item
Annex “C” Form 3	 Detailed Unit Price Analysis
Annex “C” Form 4	 Summary of Unit Prices of Materials
Annex “C” Form 5	 Summary of Unit Prices of Labor
Annex “C” Form 6	Summary of Unit Prices of Equipment
Annex “C” Form 7	Cash Flow by Quarter and Payment Schedule

CAAP-BAC-SF Annex "C" Form 1

{ATTACH COMPANY LETTERHEAD/LOGO}

BILL OF QUANTITIES

PROJECT: _____

LOCATION: _____

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
	Pesos_____ Amount in Words _____ _____and_____ _____centavos				
	Pesos_____ Amount in Words _____ _____and_____ _____centavos				
	Pesos_____ Amount in Words _____ _____and_____ _____centavos				
	Pesos_____ Amount in Words _____ _____and_____ _____centavos				
	Pesos_____ Amount in Words _____ _____and_____ _____centavos				

TOTAL BID AMOUNT (Php) _____

TOTAL BID AMOUNT IN WORDS _____

Signature: _____
Printed Name: _____
Position: _____
Name Company: _____
Date: _____

CAAP-BAC-SF Annex "C" Form 3

DETAILED UNIT PRICE ANALYSIS

PROJECT NAME :
 Project Description :
 Location :
 Item No./Description :
 Quantity :
 Unit of Measuremen :
 Output per hour :

	DESIGNATION	No. of Person(s)	No. of Hours	Hourly Rate	Amount
A	Labor				
	Sub-Total for A				
	NAME AND CAPACITY	No. of Unit/s	No. of Hours	Hourly Rate	Amount
B	Equipment				
	Sub-Total for B				
C.	Total (A+B)				
D.	Output per Hour	-	cu.m./hr		
E.	Direct Unit Cost (C/Quantity per day)				
	NAME AND CAPACITY	Quantity	Unit	Unit Cost	Amount
F.	Materials				
	Sub-Total for F				
G.	DIRECT UNIT COST (E + F)				
H.	OCM				
I.	CONTRACTOR's PROFIT				
J.	VALUE ADDED TAX, (VAT)		5.0%	of (G+H+I)	
K.	TOTAL UNIT COST (G + H + I + J)				

Submitted by:

Signature: _____
 Printed Name: _____
 Position: _____
 Name Company: _____
 Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO}

SUMMARY FOR UNIT PRICES OF MATERIALS

PROJECT: _____

LOCATION: _____

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: _____
Printed Name: _____
Position: _____
Name Company: _____
Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO}

SUMMARY FOR UNIT PRICES OF LABOR

PROJECT: _____

LOCATION: _____

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: _____

Printed Name: _____

Position: _____

Name Company: _____

Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO}

SUMMARY FOR UNIT PRICES OF EQUIPMENT

PROJECT: _____

LOCATION: _____

DESCRIPTION	UNIT PRICE	UNIT

SUBMITTED BY:

Signature: _____

Printed Name: _____

Position: _____

Name Company: _____

Date: _____

{ATTACH COMPANY LETTERHEAD/LOGO }

Name of Project : _____

Location of Project : _____

CASH FLOW BY QUARTER AND PAYMENY SCHEDULE

PARTICULAR	% W	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
ACCOMPLISHMENT					
CASH FLOW					
CUMULATIVE ACCOMPLISHMENT					
CUMULATIVE CASH FLOW					

Submitted by:

Name of the Representative of the Bidder

Position

Name of the Company

Date

Other Bidding Forms

(ANNEX “D”)

Annex “D” Form 1 Authority of Signatory (Secretary's Certificate)

**AUTHORITY OF SIGNATORY
(SECRETARY'S CERTIFICATE)**

I,, a duly elected and qualified Corporate Secretary of (Name of the Bidder), a corporation duly organized and existing under and by virtue of the law of the, DO HEREBY CERTIFY, that:

I am familiar with the facts herein certified and duly authorized to certify the same;

At the regular meeting of the Board of Directors of the said Corporation duly convened and held on at which meeting a quorum was present and acting throughout, the following resolutions were approve, and the same have been annulled, revoked and amended in any way whatever and are in full force and effect on the date hereof:

RESOLVED, that(Name of Bidder)be, as it hereby is, authorized to participate in the bidding of(Name of the Project)by the(Name of the Procuring Entity); and in that if awarded the project shall enter into a contract with the(Name of the Procuring Entity)and in connection therewith hereby appoints(Name of Representative), acting as duly authorized and designated representatives of(Name of the Bidder), and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent(Name of the Bidder)in the bidding as fully and effectively as the(Name of the Bidder)might do if personally present with full power of substitution and revocation and hereby satisfying and confirming all that my said representative shall lawfully do or cause to be done by virtue hereof;

RESOLVED FERTHER THAT, the Board hereby authorized its President to:

- a. execute a waiver of jurisdiction whereby the(Name of the Bidder)hereby submits itself to the jurisdiction of the Philippine government and hereby waives its right to question the jurisdiction of the Philippine court;
- b. execute a waiver that the (Name of the Bidder) shall not seek and obtain writ of injunctions or prohibition or restraining order against the CAAP or any other agency in connection with this Project to prevent and restrain the bidding procedures related thereto, the negotiating and award of a contract to a successful bidder, and the carrying out of the awarded project.

WITNESS the signature of the undersigned as such officer of the said_this.

—

(Corporate Secretary)

SUBSCRIBED AND SWORN to before me thisday of, 20affiant exhibited to me
his/her Community Tax Certificate No. _____ issued on _____
_____ at, Philippines.

Notary Public

Until 31 December 20_____

PRT No.: _____

Issued at: _____

Issued on: _____

TIN No.: _____

Doc. No. _____

Page No.: _____

Book No.: _____

Series of _____

Section X. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
or
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
and
- ☐ (c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- ☐ (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); **and**

Technical Documents

- ☐ (e) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid. (*Annex “A” Form 1*); **and**
- ☐ (f) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules. (*Annex “A” Form 2*); **and**
- ☐ (g) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid;
and Joint Resolution (*Annex “A” Form 3*); **and**
- ☐ (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration (*Annex “B” Form 2*);
and
- ☐ (i) Project Requirements, which shall include the following:
 - 1. Organizational chart for the contract to be bid (*Annex “B” Form 3*); **and**

- ☐ 2. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (*Annex "B" Form 4, 5a, 5b & 5c*); **and**
- ☐ 3. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be (*Annex "B" Form 6*); **and**
- ☐ (j) Original duly signed Omnibus Sworn Statement (OSS) (*Annex "B" Form 7*); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder; **and**

This shall include all of the following documents as attachment to the Omnibus Sworn Statement:

- ☐ 1. Certification, under oath, attesting that they have no pending case(s) against the Government, in addition to the eligibility requirements as prescribe under the 2016 Revised Implementing Rules and Regulation (R-IRR) of RA No. 9184; **and**
- ☐ 2. Legal Clearance to be issued by the CAAP Enforcement and Legal Service with respect to the non-pending cases of the prospective bidders against this Authority; **and**
- ☐ 3. Bid Bulletins (if applicable); **and**
- ☐ (k) **Certificate of Site Inspection** (*Annex "B" Form 1*) duly signed by **Mr. Deorico G. Ellema, Jr., Airport Manager of Tacloban Airport** or his duly authorized representative; **and**

This shall include all of the following documents as attachment to the Certificate of Site Inspection:

- ☐ 1. Copy of company ID of the person who conducted the site inspection; **and**
- ☐ 2. Copy of the airport/facility visitor's logbook; **and**
- ☐ 3. Picture of the proposed site including the personnel who conducted the site inspection together with the Airport Manager/Officer in Charge or his duly authorized representative: **and**

Financial Documents

- ☐ (l) The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- ☐ (n) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (o) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- ☐ (p) Original of duly signed Bid Prices in the Bill of Quantities (*Annex "C" Form 1*); **and**
- ☐ (q) Detailed Breakdown of Component of Each Item (*Annex "C" Form 2*); **and**
- ☐ (r) Detailed Unit Price Analysis (*Annex "C" Form 3*); **and**
- ☐ (s) Summary Sheet indicating the Unit Prices of Construction Materials, Labor Rates, and Equipment Rentals used in coming up with the Bid (*Annex "C" Form 4, 5 & 6*); **and**
- ☐ (t) Cash Flow by Quarter and Payment Schedule (*Annex "C" Form 7*).

