



BIDS AND AWARDS COMMITTEE

PROJECT: **Relocation of Airfield Lighting Primary Cables and Control Cables Affected by Construction of Terminal 2**

DATE OF BID OPENING: March 22, 2017 (2:00 P.M.)

ABC : Php39,435,324.03

BID BULLETIN NO. 1

1.) Two (2) Envelope System –

(First Envelope)

- a.) **One (1) Envelope- Encloses Eligibility/Technical Components containing one (1) original copy and four (4) photocopies (properly labeled as Copy No. 1, Copy No. 2, Copy No. 3 and Copy No. 4) comprising the following documents:**

ELIGIBILITY DOCUMENTS (Class "A"):

(Legal Documents)

- A.1 Phil-GEPS Certificate of Registration and Membership (All members must submit in case of JV)
- A.2 Registration from SEC, DTI or CDA including Articles of Incorporation and By-laws (All members must submit in case of JV)
- A.3. Valid Mayor's Permit (principal place of business) for 2017 or 2016 with proof of its renewal or equivalent document for Exclusive Economic Zones or Areas;
- A. 4. Valid Tax Clearance per Executive Order 398, Series of 2005

(Technical Documents)

- A.5. Statement/List of **all** ongoing government & private contracts including contracts awarded but not yet started (**Attach Contract or PO, NTP or NOA, Certificate from Owner on the Status/Percentage of Accomplishment of the project**)

*Note: Interested bidders must submit all their on-going government & private contracts including awarded but not yet started with supporting proof as stated in the Form hereto attached. **All the pages of the Contract/PO must be complete, however, no need to include attachments.***

- A.6. List of Single Largest Completed Contract (Government or Private) which are similar in nature as stated in the BDS **attaching the NTP and/or NOA or Contract or P.O., Certificate of Completion and/or Acceptance issued by the Owner;**

Note: Bidder must have one (1) Single Largest Project for Airfield Lighting System in an active runways and taxiways including interfacing Works in Airfield Ground Lighting (AGL) Microprocessor Based Remote Control and Monitoring System, Active Runway and/or Taxiway equivalent to 50% of the ABC or P19,717,662.02.

- A.7 PCAB License of the Bidder as defined under Section 12.1 (a) (iv) of the BDS. (In case of JV, the special PCAB joint venture license with corresponding minimum PCAB categories, shall be submitted).
- A.8 Audited Financial Statements (2014 and 2015 or 2015 and 2016) stamped "received" by the BIR or its duly accredited and authorized institutions

A.9. NFCC

Note: Cash Deposit Certificate and Credit Line Commitment Not Allowed)
CONSOLIDATED NFCC IN CASE OF JV IS ALSO ALLOWED.

NFCC=((Current assets minus current liabilities) (k)) minus the value of all outstanding or uncompleted portions of the projects under on-going contracts, including awarded contracts yet to be started coinciding with the contract for this Project.

Where:

K=15 for a contract duration of one (1) year

(Class "B")

B.1. Joint Venture Agreement (JVA), in accordance with RA 4566.

B.2. Bid Security

Note: Bid Securing Declaration is acceptable

+ B.3. Project Requirements:

- a. Organizational Chart for the contract to bid (refer to BDS)
- b. List of Contractor's Personnel to be assigned to the contract to be bid (refer to BDS)
- c. List of Contractor's Major Equipment Units which are owned, leased, and/or under purchase agreements, supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project. (refer to BDS)

B.4 Certificate of Site Inspection issued by the end-user or his authorized representative.

B.5. Revised Omnibus Sworn Statement that a particular person is authorized to represent the bidder/entity.

(Second Envelope)

b.) One (1) Envelope - Financial Information/Documents containing one (1) original copy and four (4) photocopies (also properly labeled as Copy No. 1, Copy No. 2, Copy No. 3 and Copy No. 4) comprising the following documents:

Financial Documents

1. Bid Proposal in Standard Form with attach:
 - a. Bill of Quantities (BOQ)
 - b. Unit Price Analysis (UPA)
2. Cash Flow by Quarter and Payment Schedule
3. Bar Chart/S-Curve
4. Manpower Utilization Schedule
5. Equipment Utilization Schedule

c.) The abovementioned envelopes (a & b) shall be enclosed or placed in one single envelope duly sealed.

Note: Submission of bidding documents in accordance with the following methods are also allowed:

One Envelope for the Originals duly sealed, signed and marked – inside are two envelopes for the original copy of Eligibility/Technical Documents and original copy of the Financial Documents each properly sealed, signed and marked.

One Envelope for Copy 1 duly sealed, signed and marked– inside are two envelopes for Copy 1 of the Eligibility/Technical Documents and Copy 1 of the Financial Documents each properly sealed, signed and marked.

The same procedures with Copy 2, Copy 3 and Copy 4.

The aforementioned five (5) envelopes with the corresponding documents inside (Original, Copy 1, Copy 2, Copy 3 and Copy 4) each duly sealed, signed and marked shall be enclosed in one single envelope or carton also duly sealed, signed and marked.

2. Cashier's/Manager's check, Bank draft/guarantee, Irrevocable letter of Credit **should be from universal or commercial bank.** (Note: Rural or Savings Bank is not acceptable)

3). Bid Security –

- a. Cash/Cashier's/Manager's Check/Bank Draft/Guarantee or irrevocable letter of credit
- b. Surety Bond
- c. Any combination of the foregoing proportionate to the share of form with respect to total amount of security.

Note: Bid Securing Declaration is acceptable

4. Surety Bond callable upon demand issued by a surety or insurance private company must have a corresponding certification issued by the Insurance Commission that such private company is authorized to issue such bond. For Surety Bond from GSIS, such certification is no longer necessary.

5. The deadline for the submission and opening of bids will be on **March 22, 2017 at 2:00 o'clock in the afternoon.**

6. All Bidders who bought the bidding documents and will not participate the bid opening must inform the BAC in writing.

7. All documents submitted must be duly bound or fastened, paginated and duly signed or initialed by the authorized signatory mentioned in the Secretary's Certificate or SPA or Joint Affidavit attached to the Omnibus Sworn Statement. The aforementioned documents must be submitted in five (5) copies, one (1) original and four (4) photocopies.

Unsealed or unmarked bid envelopes shall be rejected. However, bid envelopes that are not properly sealed and marked, as required in the Bidding Documents, shall be accepted, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The BAC shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening.

8. Part 2 (Continuation) of Technical Specifications and Scope of Works of Diesel Engine Generator Sets and Rehabilitation of Existing Shelter are hereto attached and part and parcel of the Bidding Documents

9. In case of conflict, this Bid Bulletin shall be deemed an amendment to the items and/or statements under the Bidding Documents.

10. Attached is a copy of the Checklist and other Standard Forms for bidder's compliance.

Issued on March 14, 2017.

Atty. GLENN B. NAPULI
BAC-Chairperson

cc: All Interested Bidders



CHECKLIST FOR ELIGIBILITY, TECHNICAL AND FINANCIAL DOCUMENTS

PROJECT: **Relocation of Airfield Lighting Primary Cables and Control Cables Affected by Construction of Terminal 2**

DATE OF BID OPENING: March 22, 2017 (2:00 P.M.)

ABC : Php39,435,324.03

Name of Bidder/s:

1	2	3	4	5	6	7	8	9

FIRST ENVELOPE:

A. ELIGIBILITY/TECHINCAL COMPONENTS

Class "A" Documents

										LEGAL DOCUMENTS
										A.1. Phil-GEPS Certificate of Registration and Membership
										A.2 Registration from SEC, DTI or CDA, including By-laws and Articles of Incorporation (ALL members must submit in case of JV)
										A.3 Valid Mayor's Permit for the year 2017 or 2016 with proof of its renewal (principal place of business) (ALL members must submit in case of JV)
										A.4 Valid Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR Central Office. (ALL members must submit in case of JV)
										TECHNICAL DOCUMENTS
										A.5 Statement of ALL on-going government and private construction contract including contracts awarded but not yet started (with proof)- Contract or PO, NTP or NOA, Certificate from Owner on the Status/Percentage of Accomplishment of the project
										A.6 Statement of Single Largest Completed Contract similar to the contract to be bid as defined under 5.4 of the BDS

									<p>(with proof) – NTP and/or NOA or Contract or P.O., Certificate of Completion/Accomplishment and/or Acceptance issued by the Owner</p> <p>Note: <i>Note: Bidder must have one (1) Single Largest Project for Airfield Lighting System in an active runways and taxiways including interfacing Works in Airfield Ground Lighting (AGL) Microprocessor Based Remote Control and Monitoring System, Active Runway and/or Taxiway equivalent to 50% of the ABC or P19,717,662.02.</i></p>
									<p>A.7 PCAB License of the Bidder as defined under Section 12.1 (a) (iii) of the BDS.</p> <p>(In case of JV, the special PCAB joint venture license with corresponding minimum PCAB categories, shall be submitted).</p>
									<p>A.8. Audited Financial Statements for the years 2014 and 2015 or 2015 and 2016 stamped “received” by the BIR or any accredited and authorized institutions (In case of JV, ALL members must submit the requirements.)</p>
									<p>A.9. NFCC (equivalent to 100% of the ABC) (Note: Cash Deposit Certificate and Credit Line Commitment Not Allowed)</p> <p>CONSOLIDATED NFCC IN CASE OF JV IS ALSO ALLOWED.</p> <p>Class “B” Document</p>
									<p>B.1. Joint Venture Agreement (JVA), in accordance with RA 4566.</p>
									<p>B.2. Bid Security - Cash/Cashier or Manager’s Check/Bank Draft or Guarantee or Irrevocable Letter of Credit – 2% of the ABC Surety Bond – 5% of the ABC</p> <p>If Surety Bond other than GSIS, Bidder must submit Certification from Insurance Commission that such company is authorized to issue such surety bond.</p>

									Note: Bid Securing Declaration is acceptable
									B.3. Project Requirements:
									a. Organizational Chart for the contract to be bid
									b. List of Contractor's Personnel to be assigned to the contract to be bid (refer to Bid Data Sheet) -see page 139 for the form
									c. List of Contractor's Major Equipment Units which are owned, leased, and/or under purchase agreements, supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project. (refer to BDS) see page 140 for the form
									B.4 Certificate of Site Inspection issued by the end-user or his authorized representative.
									B.5 Revised Omnibus Sworn Statement that a particular person is authorized to represent the bidder/entity.

SECOND ENVELOPE:

B. FINANCIAL COMPONENTS:

									1. Bid Proposal in Standard Form with attach:
									A. BOQ – Bill of Quantities
									B. UPA-Unit Price Analysis
									2. Cash Flow by Quarter and Payment Schedule
									3. Bar Chart/S-Curve
									4. Manpower Utilization Schedule
									5. Equipment Utilization Schedule

REMARKS: _____

Name: _____

Date : _____

Note:

Two (2) Envelope System –

a.) FIRST ENVELOPE: One (1) Envelope (duly sealed) - Encloses Eligibility and Technical Information/Documents containing one (1) original copy (duly sealed) and four (4) photocopies (properly labeled as original, copy no. 1, copy no. 2, copy no. 3 and copy no. 4, each duly sealed).

b.) SECOND ENVELOPE: One (1) Envelope (duly sealed)- Financial Information/Documents containing one (1) original copy (duly) and four (4) photocopies (also properly labeled as original, copy no. 1, copy no. 2, copy 3 and copy 4, each duly sealed)

c.) The abovementioned envelopes (First and Second) shall be enclosed or placed in one big envelope (duly sealed).

All documents must be sign/initialed by the authorized signatory. Documents should be properly bound or fastened, arranged in the above order and **must be duly paginated.**

Failure to sign/initial and to properly put a page number (in chronological order) on each of the required document shall be a ground for disqualification.

Submission of documents through cartons or boxes is also acceptable.

d). All bidders are required to strictly follow the list of documents to be submitted as stated in the checklist.

REVISED OMNIBUS SWORN STATEMENT

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF.....) S.S.

AFFIDAVIT

I, _____, of legal age, _____, and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor of _____ with office address at _____;

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. As the owner and sole proprietor of _____, I have full power and authority to do, execute and perform any and all acts necessary to represent it in the bidding for _____ of the _____;

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 and/or to represent the [Name of Bidder] in the bidding as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary’s Certificate issued by the corporation or the members of the joint venture)];

3. _____ 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. _____/ is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. I am 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. _____ complies with existing labor laws and standards; and
8. _____ 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. I am also aware of the existing procedures or policies being implemented by the MCIAA-BAC and hereby obey and/or waive my rights to question the same;**
- 10. Further, I am fully aware that MCIAA reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidders.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of __, 20__ at _____, Philippines.

Bidder's Representative/Authorized Signatory

[JURAT]

BID SECURING DECLARATION FORM

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

X-----X

BID SECURING DECLARATION
Invitation to Bid: [Insert Reference number]

To: *[Insert name and address of the Procuring Entity]*

I/We¹, 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 the 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 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]*.

¹ Select one and delete the other. Adopt the same instruction for similar terms throughout the document.

*[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. _____ 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 _____

Part 2
(Continuation)
Technical Specifications and Scope of Works

17 DIESEL ENGINE GENERATOR SETS

17.1 Description

The Contractor shall rate and then supply, factory test, deliver to site install and commission diesel engine electric generating units with accessories, auxiliary equipment and associated work. The specified rating for the standby generator is 400 KVA, 3 Phase, 230 volts, 60 hertz, 1800 RPM.

17.2 General Requirements

17.3 Applicable Standards

The publications listed below form a part of this specification where applicable:

1. American National Standards Institute, Inc. (ANSI) Publications:
2. American Society of Mechanical Engineers (ASME) Publication:
3. American Society for Testing and Materials (ASTM) Publications:
4. Diesel Engine Manufacturers Association (DEMA) Publication:
(Sixth Edition Standard Practices for Stationary Diesel and 1972) Gas Engines
5. Institute of Electrical and Electronics Engineers (IEEE) Publications:
6. Insulated Cable Engineers Association (ICEA) Publications:
7. National Electrical Manufacturers Association (NEMA) Publications:
8. National Fire Protection Association (NFPA) Publications:
9. Underwriters' Laboratories Inc. (UL) Publications:

17.4 Generator

- (1) Excitation shall be integral brushless revolving field type fully tropic proofed incorporating an automatic solid state regulator which will maintain the voltage within + or - 0.5% of the rated voltage over the load range.
- (2) Temperature rise of windings and exciter will be limited to 80°C.
- (3) The housing shall be protected to IP 23 minimum.
- (4) The rotor shall be protected to IP 23 minimum.
- (5) The Stator shall be wound applicable for the application with line and neutral leads.
- (6) The output voltage and frequency shall be as local electrical practices and codes require. The expected load shall be between unity and 0.8 lagging power factor at full load. The frequency shall be maintained to ± 1 Hz of nominal supply frequency.
- (7) The Generator shall be capable of running at 110% full load for 1 hour every 12 hours at an ambient temperature of 40°C.
- (8) The following minimum instrumentation shall be included for the Generator:
 - (a) Ammeters.
 - (b) Voltmeter with selector switch
 - (c) Frequency meter
 - (d) Indicator lights as appropriate
 - (e) Circuit Breaker suitably rated fully magnetic overload and instantaneous short circuit trip fitted with auxiliary contacts to operate alarm/indication circuits.
 - (f) Starter charger/battery status indicator.

17.5 Diesel Engine

- (1) Fan-cooled water radiators, 4 stroke, direct injection, rated conservatively, to drive the generator at synchronous speed when delivering the full load continuously and the instantaneous load caused by the starting of the motors. The engine shall operate in ambient temperatures between -5°C and +50°C while delivering the above load. The engine shall be capable of satisfactorily providing an output of 10% in excess of the rating for 1 hour in any period of 12 hour consecutive running.
- (2) The diesel set shall be started by a battery system that is charged by 'the main generator' when running and a static battery charger
- (4) The engine shall be radiator cooled with a belt driven fan that is suitably guarded in order to prevent accidental contact. Air supply to the engine shall be taken from the surrounding air in

the building via adequately sized and screened inlets that shall be installed in the building walls or doors. Ventilation outlets shall be installed at high level in the building. A radiator hot air outlet vent with trunking to the radiators shall be installed.

- (5) The engine shall have a full pressure lubricating system to distribute oil to all moving parts of the engine and to cool the pistons. Lubricating oil filters shall be capable of filtering the full flow of oil. Means shall be provided to insure delivery of lubricating oil to vital surfaces regardless of the condition of the filter.
- (6) Engine speed shall not exceed 2000 rpm. The following instrumentation shall be included for the engine:-
 - (a) Water temperature
 - (b) Oil pressure
 - (c) Tachometer and hours run counter.
- (7) Switches to automatically shut down the engine under the following conditions shall be included:-
 - (a) High water temperature
 - (b) Low oil pressure

Mechanical type speed governors are preferred for the site conditions.

17.6 Set Mounting

The Base Mounting shall consist of fabricated steel channel section with lifting facilities at each end. The Base shall be supported on resilient mounts impervious to diesel fuel.

17.7 Exhaust System

- (a) Engine exhaust is to be piped out of the building at high level in a direction away from the building.
- (b) The exhaust system shall consist of a residential type silencer, spark arrester, sufficient fittings and lengths of rigid and flexible piping to carry the exhaust gases to atmosphere.
- (c) Sufficient lagging shall be provided to cover the complete exhaust system.
- (d) Flexible exhaust hangers shall be used to support the exhaust silencer and piping to reduce vibrations and allow pipe expansion. The exhaust system shall be the best quality available to resist corrosion.

17.8 Fuel Tank

- (a) The elevated day service fuel tanks within the building shall be sized for 12 hours operation of the sets.
- (b) The day tank shall have a positive head above the diesel fuel pump and isolating valve shall be provided at the outlet of the day tank.

17.8.1 Automatic Transfer Switch (ATS) & MANUAL TRANSFER SWITCH (MTS)

- (1) AC Input/Output
 - (a) Capacity - 1,200 Amperes
 - (b) Voltage - 230 VAC
 - (c) Frequency - 60 Hz
 - (d) Phase - 3 Phase
- (2) Enclosures
 - (a) NEMA 1, indoor type, self-standing/wall mounted panel.
 - (b) Sealed type doors, with handle and lock with milled key.
 - (c) Painted with epoxy primer and oven baked enamel finish, color gray or beige.
 - (d) With label indicators on lamps, meters, push button and switches. (See attached drawing)
 - (e) Provided with block-out for cable entry for top, bottom, upper and lower part on both sides (right & left) and with screwed type cover.
 - (f) Complete with mounting accessories; with the following standard components.
- (3) Standard Components
 - (a) Contactors/circuit breakers change over switch.

- (b) Interlocking device
- (c) Time delay for transfer from normal power to emergency power (0.5 - 300 sec.)
- (d) Time delay to re-transfer from emergency to normal power (1 sec. - 10 min.)
- (e) Time delay from engine to start (0.5 sec. thru analog timer)
- (f) Time delay for engine to cool off (10 sec. - 10 min. thru analog timer)
- (g) Voltage monitor relays for under and over voltage protection and single phase protection.
- (h) Intelligent circuits and auxiliary relays.
- (i) Selector switch for auto/manual/test operations.
- (j) Auto engine start/stop controls, 12VDC for DEGS.
- (k) Lamp indicators, protection fuses for auto/manual/test operations, over/under voltage conditions, normal/emergency operations, commercial failure, generator failure, etc.
- (l) AC voltmeter/ammeter/frequency meter.
- (m) Self-standing/Wall Mounted Panel with epoxy primer and baked enamel paint finish, complete with mounting accessories.
- (n) Circuit/Schematic Diagrams (2 copies).
- (o) Automatic battery charger.
- (p) Starting battery floating and equalizing state.
- (q) Floating/Equalized Push button switch.
- (r) DC voltmeter/ammeter for battery charger

(4) Operation

(1) The transfer switch shall be operated by common transfer mechanism which is operated electrically by dual unidirectional auxiliary relay with normal and emergency contacts without a neutral position. This auxiliary relay operator shall be capable in transferring to either normal or emergency position. It shall automatically transfer its load circuits to an emergency engine generator that will start automatically upon failure of normal power supply.

(5) Manual transfer switch shall be supply for Manual transfer with the existing Generator sets & the new generator sets.

17.8.2 Inspection, Testing and Commissioning

(1) The Contractor shall commission the set at site as an integrated element of the total system and ensure that the equipment will operate to the satisfaction of MCI AA.

17.7.3 Operating and Maintenance Manuals

The Contractor shall supply sets of Operating and Maintenance Manuals complete with mechanical diagrams/parts lists and circuit diagrams, and any special instructions for operating, maintaining and installing.

The Manuals shall also contain a section devoted to certified test reports for the following:

- a. Diesel engine shop test.
- b. Generator shop tests.
- c. Diesel engine driven electric generator set shop tests.
- d. Automatic transfer switch.

18 Rehabilitation of Existing Shelter

The Contactor Shall Rehabilitate the Existing OLD AFL Shelter Including Replacement of Root Steel framing to our Trusses. Pre-Painted Roofing, Install of new steel louver door, steel Exhaust louver, door repair of Existing Wall, Repaints of Inside and Outside Wall, Repair & Repainted of Concrete Flooring, Epoxy paint of concrete flooring.



List of all Ongoing Government & Private Construction Contracts including contracts awarded but not yet started

Business Name : _____
Business Address : _____

Name of Contract/Location Project Cost	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Date Awarded b. Date Started c. Date of Completion	% of Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	
<u>Government</u>								
<u>Private</u>								
							Total Cost	

- Note: This statement shall be supported with:
- 1 Contract or Purchase Order (PO)
 - 2 Notice to Proceed (NTP) or Notice of Award (NOA) issued by the owner
 - 3 Certificate on the Status or Percentage of Accomplishments issued by the owner

Submitted by : _____
(Printed Name & Signature)
Designation : _____
Date : _____





Statement/List of Single Largest Completed Contract (Government & Private) which are similar in nature

Business Name : _____

Business Address : _____

Name of Contract	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		
<u>Government</u>						
<u>Private</u>						

Note: This statement shall be supported with:

- 1 Notice to Proceed (NTP) and/or Notice of Award (NOA) issued by the owner
- 2 Contract or Purchase Order (PO)
- 3 Certificate of Completion and/or Acceptance issued by the owner

Contract Name : _____
Location : _____

CASH FLOW BY QUARTER AND PAYMENT SCHEDULE

PARTICULAR	% WT.	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 Bidder

Date: _____

