REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF FINANCE
BUREAU OF CUSTOMS
PORT AREA, MANILA

INVITATION FOR NEGOTIATED PROCUREMENT

Supply, Delivery, Installation, Testing and Commissioning of Generator Sets with Automatic Transfer Switch

1. In view of the two (2) failed public biddings, the Bureau of Customs (BOC) Bids and Awards Committee (BAC) invites interested bidders to participate in the negotiation for Supply, Delivery, Installation and Commissioning of Generator Sets with Automatic Transfer Switch in accordance with Section 53.1 of the Implementing Rules and Regulations (IRR) of Republic Act (R.A.) No. 9184, otherwise known as the "Government Procurement Reform Act."

   For more details on this project, please refer to attached Schedule of Requirements and Technical Specifications.

2. Interested Bidders shall submit the following eligibility documents on August 3, 2015, 9:00 a.m.:

2.1	SEC Registration Certificate for corporation, or Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives. For corporation/partnership, the following shall also be submitted: a. Latest general information sheet (GIS) duly received by Securities and Exchange Commission b. Articles of incorporation/partnership, by laws or amendments thereto, duly approved by the SEC
2.2	Valid mayor's permit issued by the city or municipality where the principal place of business of the prospective bidder is located
2.3	A statement of all its ongoing government and private contracts within two (2) years prior to the date of submission and receipt of bids, including contracts awarded but not yet started, if any
2.4	A statement identifying the bidder's single largest completed contract within two (2) years from the date of submission and receipt of bids which is similar to the contract to be bid and whose value must be at least fifty percent (50%) of the ABC to be bid
2.5	Audited financial statements, stamped "received" by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, for the preceding calendar year, which should not be earlier than two (2) years from bid submission
2.6	Computation of its Net Financial Contracting Capacity (NFCC)

3. For further information, please attend the meeting on July 22, 2015, 11:00 a.m., at the GSD Conference Room, Ground Floor, OCOM Building, South Harbor, Gate 3, Port Area, Manila.

4. The BOC reserves the right to accept or reject any offer, to annul the negotiation process, and to reject all offers at any time prior to contract award, without thereby incurring any liability.

5. For further information, please refer to:

   BOC-BAC Secretariat
   General Services Division
   OCOM Bldg., South Harbor, Gate 3, Port Area, Manila
   Telefax No. 527-9757
   Email address: bocbacsecretariat2014@gmail.com

DIMPNA O. LEJOS
Officer-In-Charge
Internal Administration Group
Chairperson, BOC-BAC

Annex A

Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item	Description/Model	Location	Quantity/Unit	Delivery and Completion Date
1	Brand New Genset 32KVA, 3Phase, 220/240V, 60Hz with 80Amps ATS including all electrical and civil works	Legaspi, Zamboanga	2 Lots	Seventy (70) calendar days from receipt of the Notice to Proceed
2	Brand New Genset 50KVA, 3Phase, 220/240V, 60Hz with 125Amps ATS including all electrical and civil works	Cagayan De Oro	1 Lot	Seventy (70) calendar days from receipt of the Notice to Proceed
3	Brand New Genset 125KVA, 3Phase, 220/240V, 60Hz 300Amps ATS including all electrical and civil works	Davao, Batangas, Port of Manila	3 Lots	Seventy (70) calendar days from receipt of the Notice to Proceed

I hereby certify to comply and deliver all the above requirements.

Name of Company/Bidder	Signature over Printed Name of Representative	Date

Technical Specifications

Bidders must state either "Comply" or "Not Comply" or any equivalent term in the column "Statement of Compliance" against each of the individual parameters of each "Specification".
Please do not just place check in the bidder's "Statement of Compliance".

Item	Specification	Statement of Compliance
Automatic Transfer Switch (ATS)		
	Automatic Transfer Switch Circuit Breakers: A. 2-80AT, 100AF, 240V @18KAIC Enclosed; Nema 1, Wall Mount with Grounding lug B. 2-125AT, 150AF, @18KAIC Enclosed; Nema 1, Wall Mount with Grounding lug C. 2-300AT, 400AF, 35KAIC, Enclosed; Nema 1, Wall Mount with Grounding lug **Code and Standards** The automatic transfer switch and accessories shall conform to the requirements of: A. UL 1008 - Standard for Automatic Transfer Switches B. PD1096 (PEC) – Philippine Electrical Code C. International Standards Organization ISO 9001:2000 D. NEMA Standard ICS2-447 - AC Automatic Transfer Switches **Mechanically Held Transfer Switch** A. The transfer switch unit shall be electrically operated and mechanically held. The electrical operator shall be a single-solenoid mechanism, momentarily energized. Main operators which include overcurrent disconnect devices will not be accepted. The switch shall be mechanically interlocked to ensure only one of two possible positions, normal or emergency. B. The switch shall be positively locked and unaffected by momentary outages so thatcontact pressure is maintained at a constant value and temperature rise at the contacts is minimized for maximum reliability and operating life. C. All main contacts shall be silver composition. Switches rated 600 amperes and above shall have segmented, blow-on construction for high withstandcurrent capability and be protected by separate arcing contacts. D. Inspection of all contacts shall be possible from the front of the switch without disassembly of operating linkages and without disconnection of power conductors.A manual operating handle shall be provided for maintenance purposes. The handle shall permit the operator to manually stop the contacts at any point throughout their entire travel to inspect and service the contacts when required. E. Designs utilizing components of molded-case circuit breakers, contactors, or partsthereof which are not intended for continuous duty, repetitive switching or transfer between two active power sources are not acceptable. F. Where neutral conductors must be switched, the ATS shall be provided with fully rated neutral transfer contacts.	

G. Where neutral conductors are to be solidly connected, a neutral terminal plate withfully-rated AL-CU pressure connectors shall be provided.

Microprocessor Controller with Membrane Interface Panel

A. The controller shall direct the operation of the transfer switch. The controller's sensing and logic shall be controlled by a built-in microprocessor for maximum reliability, minimum maintenance, and inherent serial communications capability.The controller shall be connected to the transfer switch by an interconnecting wiring harness. The harness shall include a keyed disconnect plug to enable the controller to be disconnected from the transfer switch for routine maintenance.
B. The controller shall be enclosed with a protective cover and be mounted separate from the transfer switch unit for safety and ease of maintenance. Sensing andcontrol logic shall be provided on printed circuit boards. Interfacing relays shall be industrial grade plug-in type with dust covers.
C. The controller shall meet or exceed the requirements for Electromagnetic Compatibility (EMC) as follows:

1. ANSI C37.90A Voltage Surge Test
2. NEMA ICS – 109.21 Impulse Withstand Test
3. IEC801-2 Electrostatic discharge (ESD) immunity
4. ENV50140 and IEC 801 – 3 Radiated electromagnetic field immunity
5. IEC 801 – 4 Electrical fast transient (EFT) immunity
6. ENV50142 Surge transient immunity
7. ENV50141: Conducted radio-frequency field immunity
8. EN55011: Group 1, Class A conducted and radiated emissions
9. EN61000 –4 – 11 Voltage dips and interruptions immunity

Enclosure

A. The ATS shall be furnished in a NEMA type 1 enclosure unless otherwise shown of the plans.
B. Provide strip heater with thermostat for Type 3R enclosure requirements.
C. Controller shall be flush-mounted display with LED indicators for switch position and source acceptability. It shall also include test and time delay bypass switches.

Time Delays

A. An adjustable time delay shall be provided to over ride momentary normal source outages and delay all transfer and engine starting signals.
B. An adjustable time delay shall be provided on transfer to emergency, adjustable from 0 to 5 minutes for controlled timing of transfer of loads to emergency.
C. A generator stabilization time delay shall be provided after transfer to emergency.
D. An adjustable time delay shall be provided on retransfer to normal, adjustable to 30minutes. Time delay shall be automatically bypassed if emergency source fails andnormal source is acceptable.
E. A 5-minute cool down time delay shall be provided on shutdown of engine generator.

F. All adjustable time delays shall be field adjustable without the use of special tools.

Additional Features

A. A set of contacts rated 5 amps, 32 VDC shall be provided for a low-voltage engine start signal. The start signal shall prevent dry cranking of the engine by requiring thegenerator set to reach proper output, and run for the duration of the cool downsetting, regardless of whether the normal source restores before the load is transferred.

B. A push-button type test switch shall be provided to simulate a normal source failure.

C. A push-button type switch to bypass the time delay on transfer to emergency, the engine exerciser period on the retransfer to normal time delay whichever delay is active at the time the push-button is activated.

D. Terminals shall be provided for a remote contact which opens to signal the ATS to transfer to emergency and for remote contacts which open to inhibit transfer to emergency and/or retransfer to normal.

E. Auxiliary contacts, rated 10 amps, 250 VAC shall be provided consisting of one contact, closed when the ATS is connected to the normal source and one contact,closed, when the ATS is connected to the emergency source.

F. Indicating lights shall be provided, one to indicate when the ATS is connected to thenormal source (green) and one to indicate when the ATS is connected to theemergency source (red). Also provide indicating lights for both normal andemergency source availability.

G. Terminals shall be provided to indicate actual availability of the normal andemergency sources, as determined by the voltage sensing pickup and dropoutsettings for each source.

H. **Engine Exerciser** - An engine generator exercising timer shall be provided, including a selector switch to select exercise with or without load transfer.

I. **Inphase Monitor** - An Inphase monitor shall be inherently built into the controls.The monitor shall control transfer so that motor load inrush currents do not exceed normal starting currents, and shall not require external control of power sources. The inphase monitor shall be specifically designed for and be the product of the ATS manufacturer.

J. **Selective Load Disconnect** - A double throw contact shall be provided to operate after a time delay, adjustable to 20 seconds prior to transfer and reset 0 to 20 seconds after transfer. This contact can be used to selectively disconnect specific load(s) when the transfer switch is transferred. Output contacts shall be rated 6amps at 28 VDC or 120 VAC.

Tests and Certification

A. The complete ATS shall be factory tested to ensure proper operation of the individual components and correct overall sequence of operation and to ensure that the operating transfer time, voltage, frequency and time delay settings are incompliance with the specification requirements.

B. Upon request, the manufacturer shall provide a notarized letter certifying compliance with all of the requirements of this specification including compliance with the above codes and

	standards, and withstand and closing ratings. The certification shall identify, by serial number(s), the equipment involved. No exceptions to the specifications, other than those stipulated at the time of the submittal, shall be included in the certification. **C.** The ATS manufacturer shall be certified to ISO 9001: 2000 International Quality Standard and the manufacturer shall have third party certification verifying quality assurance in design/development, production, installation and servicing in accordance with ISO 9001: 2000.	

80Amps ATS with 32KVA(Brand New)

	ELECTRIC GENERATING SET	
	Standby Power Rating	•32KVA
	Type	•Silent type
	Noise Level	•85dB or below at 1 meter
	Engine Type	•Diesel Fuel
	Number of Cylinders	•Four (4)
	Cylinder Arrangement	•In-Line
	Cycle	•Four Stroke
	Engine Rated Speed	•1,800rpm
	Frequency (Hz)	•60
	Governor Type	•Mechanical
	Governor Class	•ISO 8528
	Fuel System	•Manufacturer Standard
	Cooling System	•Radiator Cooled
	Electrical System	•Manufacturer's Standard
	Voltage	•220/240
	Phase	•3Phase
	Voltage Regulation	•+/- 0.5%
	Power Factor	•0.8
	Dimensions and weight	•Manufacturer's Standard
	Accessories included are: 1. Set–mounted tropical radiator 2. Set-mounted circuit breaker 3. Skid-base diesel tank 4. Digital generator set control with meters and alerts 5. Exhaust silencer 6. Lead acid batteries with cable 7. Auto Battery charger 8. Engine operation and maintenance manual	

125Amps ATS with 50KVA (Brand New)

	ELECTRIC GENERATING SET	
	Standby Power Rating	•125KVA
	Type	•Silent type

	Engine Type	•Diesel Fuel	
	Number of Cylinders	•Four (4)	
	Cylinder Arrangement	•In-Line	
	Cycle	•Four Stroke	
	Engine Rated Speed	•1,800rpm	
	Frequency (Hz)	•60	
	Governor Type	•Mechanical	
	Governor Class	•ISO 8528	
	Fuel System	•Manufacturer Standard	
	Cooling System	•Radiator Cooled	
	Electrical System	•Manufacturer's Standard	
	Voltage	•220/240	
	Phase	•3Phase	
	Voltage Regulation	•+/- 0.5%	
	Power Factor	•0.8	
	Dimensions and weight	•Manufacturer's Standard	
	Accessories included are: 1. Set–mounted tropical radiator 2. Set-mounted circuit breaker 3. Skid-base diesel tank 4. Digital generator set control with meters and alerts 5. Exhaust silencer 6. Lead acid batteries with cable 7. Auto Battery charger 8. Engine operation and maintenance manual		
300Amps ATS with 125KVA (Brand New)			
	ELECTRIC GENERATING SET		
	Standby Power Rating	•125KVA	
	Type	•Silent type	
	Engine Type	•Diesel Fuel	
	Number of Cylinders	•Four (4)	
	Cylinder Arrangement	•In-Line	
	Cycle	•Four Stroke	
	Engine Rated Speed	•1,800rpm	
	Frequency (Hz)	•60	
	Governor Type	•Mechanical	
	Governor Class	•ISO 8528	
	Fuel System	•Manufacturer Standard	
	Cooling System	•Radiator Cooled	
	Electrical System	•Manufacturer's Standard	
	Voltage	•220/240	
	Phase	•3Phase	
	Voltage Regulation	•+/- 0.5%	
	Power Factor	•0.8	
	Dimensions and weight	•Manufacturer's Standard	

	Accessories included are: 1. Set–mounted tropical radiator 2. Set-mounted circuit breaker 3. Skid-base diesel tank 4. Digital generator set control with meters and alerts 5. Exhaust silencer 6. Lead acid batteries with cable 7. Auto Battery charger 8. Engine operation and maintenance manual		
Electrical and Civil Works			
	Bidder shall include in the bid proposal all electrical and civil works requirements (bill of quantity and detailed estimate) for the complete installation and commissioning of the generator sets on all locations as scheduled on Section VI. (details of locations for installation, wiring layout and pictures of ports are hereto attached)		
	Electrical wiring connection from ATS to Electrical Engineering room should be overhead installation.		
	Civil works installation shall include platform and exhaust (minimum of three meters from the ground)		
	Commissioning of generator sets shall be one (1) hour. The cost of fuel shall be at the account of the bidder.		
	Provision of brochure showing the generator set offered.		

I hereby certify to comply with all the above Technical Specifications.

Name of Company/Bidder	**Signature over Printed Name of Representative**	**Date**

Bid Form

Date: _____

To: [name and address of Procuring Entity]
Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to the BOC, our services for the project, **Supply, Delivery, Installation, Testing and Commissioning of Generator Sets with Automatic Transfer Switch**, in conformity with the said Bidding Documents for the sum of_____.

Description/Model	Qty./ Unit	Unit Cost (Inclusive of VAT)	TOTAL
Rewiring of 80Amps ATS with 32KVA Generator Set, 3Phase, 220/240V, 60Hz, (Brand New, Outdoor, Silent Type, Diesel Power with platform)	2 sets		
Rewiring of 125Amps ATS with 50KVA Generator Set, 3Phase, 220/240V, 60Hz, (Brand New, Outdoor, Silent Type, Diesel Power with platform)	1 set		
Rewiring of 300Amps ATS with 125KVA Generator Set, 3Phase, 220/240V, 60Hz, (Brand New, Outdoor, Silent Type, Diesel Power with platform)	3 sets		
TOTAL			

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in **BDS** provision for **ITB** Clause **Error! Reference source not found.** and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause **Error! Reference source not found.** of the Bidding Documents.

Dated this _____ day of _____ 20_____.

_____ _____

[signature] *[in the capacity of]*

Duly authorized to sign Bid for and on behalf of _____