Embassy of the United States of America

Lima, May 06th, 2015

Subject: RFQ for PR4302588

Dear Prospective Quoter:

The American Embassy, Lima, Peru, has a requirement for a contractor to provide:

> Generator 35 KVA Prime (Minimum), 220/127 Volts, 60Hz, 3 phases and neutral, 4-wires in accordance to attached Technical Specifications.

You are invited to submit a quotation. The Request for Quotations (RFQ) consists of the following sections:

1. Standard Form SF-18
2. Basic information, statement of work or specifications and technical qualifications.
3. Late quotation rules and evaluation method.

The Embassy plans to award a purchase order. You are encouraged to make your quotation competitive. You are also cautioned against any collusion with other potential offerors with regard to price quotations to be submitted. The RFQ does not commit the American Embassy to make any award. The Embassy may cancel this RFQ or any part of it.

Please read the RFQ carefully, and if you are interested, submit your quotation. Return the completed SF-18 to the address shown in Block 5a of the SF-18 or by email to **castillojm@state.gov**, by May 21, 2015. Oral quotations will not be accepted.

Sincerely,

Ann E. Delong
Contracting Officer

Enclosure: As Stated.

SAMPLE SF-18

REQUEST FOR QUOTATIONS *(THIS IS NOT AN ORDER)*	THIS RFQ [ ] IS [x] IS NOT A SMALL BUSINESS-SMALL PURCHASE SET-ASIDE (52.219-4)	PAGE 1	OF	PAGES 1

1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
	05/06/2015	**PR4302588**		

5A. ISSUED BY **General Services Office, American Embassy**	6. DELIVER BY *(Date)* **05/21/2015**

5B. FOR INFORMATION CALL: *(Name and telephone no.) (No collect calls*			7. DELIVERY
NAME: **Jessica M. Castillo**	TELEPHONE NUMBER AREA CODE **511**	NUMBER **6182233**	FOB DESTINATION x OTHER *(See Schedule)*

8. TO:			9. DESTINATION
a. NAME	b. COMPANY		a. NAME OF CONSIGNEE **Embajada de los Estados Unidos America**
c. STREET ADDRESS			b. STREET ADDRESS **Av. Lima Polo Cda.2 s/n, Monterrico, Surco**
d. CITY	e. STATE	f. ZIP CODE	c. CITY **Lima**
			d. STATE / e. ZIP CODE **Lima 33**

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS *(Date)*	**IMPORTANT:** This is a request for information, and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.
01/30/2015	

11. SCHEDULE *(Include applicable Federal, State and local taxes)*

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
01	Generator 35 KVA Prime (Minimum), 220/127 Volts, 60Hz, 3 phases and neutral, 4-wires	1	EA	0.00	

12 DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS %	b. 20 CALENDAR DAYS %	c. 30 CALENDAR DAYS %	d. CALENDAR DAYS NUMBER	%

NOTE: Additional provisions and representations [ ] are [ ] are not attached.

13 NAME AND ADDRESS OF QUOTER	14 SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION	15 DATE OF QUOTATION
a. NAME OF QUOTER		
b. STREET ADDRESS	16. SIGNER	
c. COUNTY	a. NAME (Type or print)	b. TELEPHONE
d. CITY / e. STATE / f. ZIP CODE	c. TITLE (Type or print)	AREA CODE / NUMBER

I. Generator Specification

American Embassy

Lima, Peru

X10010

1.1. DESCRIPTION— Provide engine generators, per the attached schedule, in the KVA ratings indicated for each generator. Each generator on the schedule shall conform to the specifications contained herein. Quote from the vendor shall be in the format and contain the minimum information as outlined in the attached Quote Format.

1.1.1 Each generator shall be a prime power rated engine generator set, including: prime power, directly coupled shaft, engine generator sets. The unit shall be configured to consist of a liquid cooled engine and a conventional alternator and an electronic governor. The unit shall be manufactured complete with system controls and all necessary accessories to make the generator set (genset) fully operational. All equipment shall be as specified but shall not be limited to the items specified herein. Each genset shall be delivered to the residences indicated on the attached schedule, American Embassy, Lima, Peru.

1.1.2 Provide for integral automatic and manual operation from the selector switch:

(1) automatic transfer switch (ATS) for the generator as described elsewhere in this specification. The system shall come on-line fully automatically, and on restoration of utility automatically re-transfers load to normal power, shuts down the generator and returns to readiness for another operating cycle.

(2) Provision shall be made on the switch for a manual operation using the selector switch in the MANUAL position.

1.1.3 Prime and overload ratings shall meet requirements herein.

1.1.4 Provide a three-position selector switch, as required in 2.3.2.

1.2. REQUIREMENTS

1.2.1 The electric generating system consists of a prime mover, generator, electronic governor, couplings, and all controls, tested as a complete unit.

1.2.2 Conform to NFPA 70 and applicable inspection authorities.
1.2.3 Transfer switches shall be labeled under UL 1008.
1.3 SUMMARY OF EQUIPMENT
1.3.1 Prime Power Rated Engine Generator, See Attached Schedule.
1.3.2 Automatic Transfer Switch (ATS).
1.3.3 Sound-attenuated, weatherproof enclosure.
1.3.4 Generator output power characteristics shall be 220/127 Volts, 60HZ, 3-phase and neutral, (4-Wire) except where otherwise stated.

2.0 ENGINE-GENERATOR SET

2.1 ENGINE
The prime mover shall be a liquid cooled, diesel fuel, naturally aspirated engine of 4-cycle design, with four cylinders (minimum).
2.1.2 The engine shall be cooled with an integral, unit mounted radiator, fan, water pump, and closed coolant recovery system, which provides visual diagnostic means to determine if the system is operating with a normal engine coolant level. The radiator shall be designed for satisfactory operation in 122 Degrees Fahrenheit (50 degrees Celsius) ambient temperature.
2.1.3 The intake air filter (with replaceable element) shall be mounted on the unit. Full pressure lubrication shall be supplied by a positive displacement lube-oil pump. The engine shall have a replaceable oil filter with internal bypass and replaceable elements. Engine coolant and oil drain extension must be provided to outside the mounting base for cleaner and convenient engine servicing. A fan guard shall be installed for personnel safely.
2.1.4 The engine shall have a battery charging DC alternator with a transistorized voltage regulator. Remote 2-wire electric starting shall be accomplished by a solenoid shift electric starter.

2.1.5 Engine speed electronic governor shall have a frequency control, adjustable from zero to five percent drop, to maintain alternator frequency within five percent (across the range) from no load to full load. Steady state regulation shall be within plus or minus 0.33 percent.
2.1.6 The engine fuel system shall be designed for operation using No. 2 diesel fuel. A secondary fuel filter, water separator with glass bowl, manual fuel priming pump and fuel shut-off solenoid and all piping shall be installed on the unit.
2.1.7 Sensors shall be located on the engine for: low oil pressure shutdown, high coolant temperature shutdown, low coolant level shutdown, over-speed shutdown, and over-crank shutdown. These sensors shall be connected to the control panel using a wiring harness with the following features: wire number labeling on each end of the wire run for ease of identification, a molded rubber boot to over the electrical connection on each sensor to prevent corrosion and all wiring to be run in flexible conduit for mechanical protection and environmental protection.
2.1.8 The electric jacket-coolant heater shall be thermostatically controlled to automatically maintain the coolant within plus or minus 3 degrees of the control temperature. The control temperature shall be the temperature recommended by the manufacturer to optimize the starting time.
2.1.9 Definitions - The following definitions apply for the purpose of this procurement and any resulting contract:
Continuous Load - A load in which maximum current is anticipated for three hours or more in accordance with the continuous duty cycle, as defined by NFPA-70.
Continuous Duty Rating - A duty rating, equivalent to a load equal to one hundred percent of the genset nameplate rating for a duration of more than three hours.
Prime Rating - A duty rating, equivalent to seventy percent of the genset nameplate rating, for a continuous period of 12 hours. A prime rated generator is required to safely support the load, in the absence of city power, for an indefinite period. While it is recognized that over a 24 hour, operational load cycle, period the load variation may be considerable, this rating permits the maximum continuous load and duration to be addressed in the genset selection process.
Overload Rating - This is defined as satisfactory operation at a load of 110 percent of the nameplate rating, for a period of two hours.

2.2 ALTERNATOR

2.2.1 The alternator shall be a multi-pole revolving field type, wired for 220/127V, 3-phase, 60 HZ, 4- wire, with a brushless, static exciter. Generators shall be prime rated. The stator shall be directly connected to the engine flywheel to ensure permanent alignment. The generator shall meet temperature rise standards for class "F" varnish and conform to MIL-I-24092, Type "M" class 155. All leads shall be extended into the AC connected panel. The alternator shall be protected by internal thermal overload protection and an automatic reset field circuit breaker. One step load acceptance shall be 100% of nameplate kW rating and the generator shall return to normal operation within 15 seconds.

2.2.2 The engine-generator set shall be so designed that voltage dip upon application of nameplate full load shall not exceed 30% with recovery to stable operation within 15 seconds.

2.2.3 The solid state voltage regulator shall control output voltage by varying the exciter magnetic field to provide plus or minus 1% regulation during stable load conditions. The regulator shall have a voltage droop characteristic of 4 volts per cycle to maximize motor starting capability in the event an extremely heavy load drops the output frequency. The frequency at which this droop operation begins shall be adjustable allowing the generator set to be properly matched to the load characteristics ensuring optimum system performance.

2.2.4 The voltage regulator shall contain a limiting circuit to prevent output voltage surges in excess of 110% of rated voltage during generator set operation. On a loss of the sensing signal, the voltage regulator shall shutdown to prevent an overvoltage condition from occurring. A voltage regulator that can go into a full field condition is unacceptable. LED indication will be provided on the regulator to monitor the sensing (yellow), excitation (green), and output circuit (red). A rheostat shall provide a minimum of plus or minus 10% voltage adjustment from the rated value.

2.2.5 The engine generator set shall be mounted with vibration isolators on a welded steel base, which shall permit suitable mounting to any level surface.

2.3 GENERATOR CONTROLS

2.3.1 All engine, alternator controls and instrumentation shall be designed, built, wired, tested and shock mounted in a NEMA 1 enclosure to the engine-generator

set by the manufacturer. It shall contain direct current (D.C.) panel lighting and a fused circuit to protect the controls.
2.3.2 The engine-generator set shall contain a complete engine start-stop control, which starts the engine on closing contacts and stops the engine on opening contacts. An automatic preheat circuit that can also be operated in a manual mode shall be provided. A cyclic cranking limiter shall be provided to open the starting circuit, after eight attempts, if the engine has not started. Engine control modules shall be solid state plug-in type for high reliability and easy service. The engine controls shall also include a 3-position selector switch with the following positions: OFF/MANUAL/AUTO. A red annunciator lamp shall be energized when the switch is not in the automatic position.
2.3.3 Safety shutdown monitoring system shall include solid state engine monitor with individual lights and one common external alarm contact indicating the following conditions: Overcrank shutdown, Overspeed shutdown, High Coolant Temperature (Low Coolant Level shutdown), Low Oil Pressure shutdown, and fuel leak. Monitoring system shall include lamp test switch for manual reset of tripped conditions. Engine RPM shall be monitored by an independent permanent magnetic sensor. The engine shall shutdown immediately and energize a LOSS-OF-RPM shutdown light in the event of a failure.
2.3.4 Engine instrumentation shall consist of an oil pressure gauge, coolant temperature gauge, D.C. ammeter and an engine run-hour-meter, located on the unit control panel. Alternator instrumentation shall include analog meters to indicate output voltage per phase; amperage per phase and generator output frequency.
2.3.5 A red light (labeled using silk screened black letters on the control panel), which becomes energized when a low fuel level is sensed in the base mounted tank.
2.3.6 A thermal-magnetic, UL listed, main-line, molded case circuit breaker shall be mounted in the generator terminal panel. Line side connections shall be made at the factory. A system utilizing a manual reset field circuit breaker and current transformers is unacceptable.
2.3.7 A red emergency stop pushbutton shall be provided on the exterior of the enclosure and shall be accessible without the use of a key and without having to open the enclosure.

2.4 MISCELLANEOUS EQUIPMENT
2.4.1 The following miscellaneous equipment shall be provided as a part of this procurement action:
2.4.1.1 A sound attenuating weatherproof enclosure: The engine-generator set shall be factory enclosed in a 12 gauge steel enclosure constructed with corner posts, coated with electrostatically applied zinc and finished with baked enamel paint. The installed equipment sound levels shall be no more than that afforded by Hospital muffler standards when the unit is operated at full load, under rated ambient conditions. Muffler and entire installation, including sound-attenuating enclosure, shall be Hospital Rated for sound. The muffler shall be Hospital Rated apart from the enclosure. The enclosure, apart from the muffler, shall be rated for 65 dBA sound power level at 7 meters when operating under full load. The enclosure shall have large, removable doors to allow complete access to the engine, alternator and control panel. Each door shall be fitted with stainless steel, lockable hardware with two sets of identical keys. The enclosure shall come equipped with a heater for the prevention of condensation within the enclosure. The enclosure shall meet seismic requirements as specified herein.
2.4.1.2 An automatic dual rate battery charger mounted inside the genset enclosure, in its own cabinet, shall be provided. The charger shall have 240 volt, single phase input. The automatic equalizer system shall monitor and limit the charge current to 10 amps. The output voltage is to be determined by the charge current rate. The charger shall have a maximum open circuit voltage of 35 volts and be protected against a reverse polarity connection.
2.4.1.3 A heavy duty, lead acid battery set shall be provided by the generator set manufacturer of adequate voltage and amperage capacity to start and operate the engine. Provide all intercell and connecting battery cables as required for complete installation. The battery shall be shipped in place fully charged with electrolyte.
2.4.1.4 The genset, parts shall be warranted by the offeror in accordance with the terms of this contract.
2.4.1.5 An integral skid type fuel tank shall be provided with the generator set to permit 18-24 hours of operation at full rated load. The fuel tank shall be a dual wall tank with a retention capacity of 110% of the internal tank. The integral fuel tank shall include an interstitial leak detector to provide notification of the presence of

fuel in the interstitial space. The leak detector shall be able to be wired to the safety shutdown monitoring system and shall have a dedicated indicator light.

3.0 AUTOMATIC TRANSFER SWITCH (ATS)
3.1 GENERAL
3.1.1 The automatic transfer switch shall be industrial (NOT residential) grade and furnished so as to maintain system compatibility and local service responsibility for the complete emergency power system. It shall be listed by Underwriter's Laboratory, Standard 1008, with circuit breaker protection afforded by the generator breaker. Representative production samples of the transfer switch, which have been demonstrated through tests, shall withstand 10,000 mechanical operation cycles (minimum) without failure. One operation cycle is the electrically operated transfer from normal to emergency and back to normal. Wiring shall comply with NEC table 373-6. The manufacturer shall furnish complete schematic and wiring diagrams for the particular automatic transfer switch and a typical wiring diagram for the entire system showing all components, relays and part numbers. This ATS shall be matched to the generator set with the option of being secured to the generators' weather-proof enclosure if so specified in the Generator Schedule.
3.2 ATS RATINGS & PERFORMANCE
3.2.1 The automatic transfer switch (ATS) shall be a minimum 3-pole design. The ATS shall be rated rated for full load, continuous operation of the generator or a minimum of 100 Amps, whichever is greater. The ATS rating shall be ambient temperatures of -15 Degrees Celsius to +50 Degrees Celsius. Main power switch contact shall be rated to operate at 220/127 volts minimum unless otherwise specified herein. The transfer switch shall have a minimum withstand and closing rating of 42,000 amperes. The RMS symmetrical fault current ratings shall be the rating listed in the UL listing or component recognition procedures for the transfer switch.
3.3 ATS CONSTRUCTION
3.3.1 The transfer switch shall be open transition type, positively electrically and mechanically interlocked to prevent simultaneous closing and mechanically held in both normal and emergency positions. Independent break before make action shall be used as protection to prevent dangerous source to source connections. The

transfer switch shall be approved for manual operation. The electrical operating means shall be approved for manual operation. The electrical operating means shall be by electric solenoid. Every portion of the contactor is to be positively mechanically connected. No clutch or friction drive mechanism is allowed, and parts are to be kept to a minimum. This transfer switch shall not contain integral overcurrent devices in the main power circuit, including molded case circuit breakers or fuses.

3.3.2 The transfer switch electrical actuator shall have an independent disconnect means to disable the electrical operation during manual switching. Maximum electrical transfer time in either direction shall be 160 milliseconds, exclusive of time delays. Main switch contacts shall be high pressure silver alloy contacts to resist burning and pitting for long life operation.

3.3.3 There shall be one Single Pole Double Throw, 10 ampere, 250 volt auxiliary contact on both normal and emergency sides, operated by the transfer switch. Full rated neutral bar with lugs for normal, emergency and load conductors shall be provided inside the cabinet.

3.4 CONTROL EQUIPMENT

3.4.1 All control equipment shall be mounted on the inside of the cabinet door in a metal lockable enclosure with transparent safety shield to protect all solid state circuit boards. This will allow for ease of service access when main cabinet lockable door is open, but prevent access by unauthorized personnel. Control boards shall have installed cover plates to avoid shock hazard while making control adjustments. The solid state voltage sensors and time delay modules shall be plug-in circuit boards with silver or gold contacts for ease of service.

3.4.2 A solid state under-voltage sensor shall monitor each phase of the normal source and provide adjustable ranges for field adjustments for specific applications needs. Pick-up and drop-out settings shall be adjustable from a minimum of 70% to a maximum of 95% of nominal voltage. The utility input voltage shall be stepped down to 24VAC for safety and reliability.

3.4.3 Signal the engine-generator set to start in the event of a power interruption. A set of contacts shall close to start the engine and open for engine shutdown. An adjustable, solid state time delay start (1 to 180 seconds) shall delay this signal to avoid nuisance start-ups on momentary voltage dips or power outages.

3.4.4 Transfer the load to the engine-generator set after it reaches proper voltage (80%) and frequency (80%). A solid state time delay (30 seconds) shall delay this transfer to allow the engine-generator to warm-up before application of load. There shall be a switch to bypass this warm-up timer when immediate transfer is required.
3.4.5 Retransfer the load to the line after normal power restoration. A return to utility timer (5-10 minutes) shall delay this transfer to avoid short term normal power restoration.
3.4.6 The operating power for transfer and retransfer shall be obtained from the source to which the load is being transferred. Controls shall provide an automatic retransfer of the load from emergency to normal if the emergency source fails with the normal source available.
3.4.7 Signal the engine-generator to stop after the load re-transfers to normal. An adjustable, solid state engine cool-down timer (3-10 minutes) shall permit the engine to run unloaded to cool-down before shutdown.
3.4.8 Provide an engine minimum run timer (10 minutes) to ensure an adequate engine run period.
3.4.9 Provide a solid state plant exercise clock to set the day and time of generator set exercise period. Clock shall have a seven days, 24 hour programmable clock powered from the load side of the transfer switch. A 150 hour internal battery shall be supplied to maintain the circuit board settings when the load side of the transfer switch is de-energized. Include a switch to select if the load will transfer to the engine-generator set during the exercise period.
3.4.10 The transfer switch shall have a time delay neutral feature to provide a time delay (5 seconds) during the transfer in either direction during which time the load is isolated from both power sources. This allows residual voltage components of motors or other inductive loads (such as transformers) to decay before completing the switching cycle. A switch will be provided to bypass this feature when immediate transfer is required.
3.4.11 Front mounted controls shall include a selector switch to provide for a NORMAL TEST mode with full use of time delays, FAST TEST mode which bypasses all time delays to allow for testing the entire system in less than one minute, or AUTOMATIC mode to set the system for normal operation.

3.4.12 Provide colored indicator lamps to be energized when the transfer switch position is in either UTILITY (white) or EMERGENCY (red). A third lamp shall be provided to indicate STANDBY OPERATING (amber). These lights shall be energized from utility or the engine-generator set.
3.4.13 Provide manual operating handle to allow for manual transfer. This handle shall be mounted inside the lockable enclosure so accessible only by authorized personnel.
3.4.14 Provide a safety disconnect switch to prevent load transfer and automatic engine start while performing maintenance. This switch will also be used for manual transfer switch operation.
3.4.15 Provide LED status lights to give a visual readout of the operating sequence. This shall include: utility on, engine warm up, engine warm up bypass, standby voltage "ready", standby frequency "ready", standby on, transfer to standby, return to utility, engine cool-down, engine minimum run and fast test mode.
3.5 MISCELLANEOUS ATS EQUIPMENT
3.5.1 The transfer switch mechanism and controls shall be mounted in a NEMA 4X enclosure for outdoor, weatherproof, corrosion-proof, dustproof installation.
4.0 MISCELLANEOUS
4.1 FACTORY TESTING
4.1.1 Before shipment of the equipment, the engine-generator set shall be tested under rated load and power factor for performance and proper fronting of control and interfacing circuits. Tests shall include:
4.1.1.1 Verifying all safety shutdowns and components are functioning properly.
4.1.1.2 Single step load pick-up per NFPA 110-1985, Paragraph 5-13.2.6.
4.1.1.3 Transient and voltage dip responses and steady state voltage and speed (frequency) checks.

4.1.1.4 The factory test data sheet shall identify all tests (PASSED or FAILED) and accompany each generator set. This will be reviewed by the Department of State Representative (DOSREP) before written acceptance is provided.

4.2 SEISMIC REQUIREMENTS

4.2.1 GENERAL

A. All equipment, including the associated weatherproof enclosure, exhaust piping, and mufflers, shall be manufactured and assembled to withstand the seismic forces specified in the 2009 International Building Code (IBC) and the 2005 American Society of Civil Engineer's Minimum Design Loads for Buildings and Other Structures (ASCE 7).

B. Design and installation of seismic restraints for all equipment, weatherproof enclosure, exhaust piping, and mufflers, shall be in compliance with the applicable provisions of the IBC, ASCE 7, and the manufacturer's recommendations and instructions. In case of conflict, the most stringent shall apply.

C. The engine generator shall be mounted on vibration isolators positioned between the skid and the support pad/foundation. Seismic restraint provisions, if required, shall be incorporated into the isolators' design or provided separately. Where a sub-base fuel day tank is used, use only one set of isolators between skid and tank, or between tank and foundation.

D. All vibration isolators and snubbers shall be products of a single manufacturer and shall be rated and approved for seismic applications.

E. Isolators shall reduce transmitted vibration from genset to foundation to maximum 40 microns total amplitude throughout frequency ranges down to 66 Hz during all phases of set operation.

4.2.2 PROJECT CONDITIONS

The following parameters shall be used to determine the seismic design category and other requirements for Lima, Peru:

A. Site Class as defined in the IBC: D (unless site-specific soil properties are known)

B. Spectral Response Acceleration at Short Periods: Ss=3.55g

C. Spectral Response Acceleration at 1-Second Period: S1= 1.42g

D. Component Importance Factor: Ip=1.0

4.2.3 SUBMITTALS

A. Engine generator manufacturer's certificate of compliance with the seismic force requirements (required for seismic design categories C through F only).
B. Catalog cut sheets on vibration isolators, snubbers, and other seismic restraint devices detailing compliance with the specifications. In all cases, the manufacturer shall provide the size and spacing of skid mounting bolts for the seismic conditions specified.
C. For above grade installations and installations inside of buildings, provide seismic restraint calculations for all connections of the equipment and weatherproof enclosure to the support structures. Calculations shall be stamped by a registered professional structural engineer with at least five years of seismic design experience (required for seismic design categories C through F only).
4.3 OWNERS MANUALS
4.3.1 Two (2) hard copy sets of owner's manuals specific to the genset and products supplied shall be located inside each unit and accompany the equipment. General operating instruction, preventive maintenance, wiring diagrams, schematics and parts exploded views specific to this model shall be included. A PDF version of the owner's manuals shall also be provided on a compact disc and shipped with each generator.
4.4 SUBMITTALS
4.4.1 Provide two complete sets (for each rating of machine) of Engineering Submittal for approval, prior to production release, showing all components, in addition to the engine, generator and automatic transfer switch. Submittals shall include complete system interconnection wiring diagrams and manufacturer's warranty form indicating compliance with these specifications.
4.5 SPARES
General parts: Provide one set of maintenance (spare) parts for each genset ordered under this contract. An order of maintenance parts is defined as all items necessary to perform scheduled maintenance functions for 2000 operating hours plus replacement bulbs for indicators, replacement fuses for each fuse used on the genset and any other like items that the manufacturer deems desirable. Package these maintenance parts in polyethylene bag, and pack inside the genset for which they are intended. Should there be insufficient room inside genset, enclose parts

bag in protective package and attach to shipping skid. This group of parts shall include a complete list of all vendors recommended spares, including, but not limited to, the items listed below:
1. Engine lubricating oil filters and filter gaskets, if separate from filter.
2. Fuel filters and filter gaskets, if separate from filter.
3. Engine intake air filters and filter gaskets, if separate from filter.
4. A minimum of five light bulbs of each size light bulb used in the genset.
5. A minimum of five electrical fuses of each size fuse used in the genset.
6. One engine lubrication oil system drain plug.
For the 2000-hour requirement for replacement parts, one replacement cycle for all filters and associated gaskets shall be 250 hours. The offer shall include a complete list of all vendors recommended spares. The offer shall explicitly identify each Table I line item by packaged dimensions, weight and price.

4.6 WARRANTY
The offeror shall provide a one-year warranty on parts, which starts from the date the equipment is commissioned on-site. This requirement shall not modify or change the standard contract warranty agreement.

4.7 DELIVERY
The generator sets, transfer switches, spare parts and other related items are being imported duty free under the diplomatic duty free status of the American Embassy, the goods will be considered delivered once received and inspected by the Receiving Officer at the United States Embassy, Lima, Peru.

II. GENERATOR SCHEDULE

Lima, Peru

Property#	Minimum Prime Rating, KVA
X10010	35

III. Quote Format

Vendors shall provide all information in their quote as specified herein. That information includes brochures and other descriptive details to help explain the product being quoted. The vendor shall also provide the following format for the quote, providing, as a minimum, the information outlined below, in the English language:

1. Diesel prime-rated generators— Specification (Spec) Paragraph I. 1.1.1 and Schedule Show the make, model, prime KVA rating, voltage, phases, and frequency ratings of each generator for each property listed in the schedule. Provide brochures for each type of generator.

2. Sound attenuated outdoor enclosure—Spec Paragraph I.2.4.1.1 Show sound attenuation ratings of the enclosure and muffler. Indicate if the enclosure is weatherproof.

3. Dual-wall tank with leak alarm—Spec Paragraph I.2.4.1.5. Indicate if the fuel tank has a dual wall with leak alarm. Indicate the fuel tank capacity and run time at full load. Fuel tanks without dual wall are unacceptable.

4. Fuel/water separator—Spec Paragraph I.2.1.6 Indicate presence and type of fuel/water separator provided in quote.

5. Battery charger with trickle/float function—Spec Paragraph

I.2.4.1.2 Indicate presence and type of battery charger in quote.

6. Batteries—Spec Paragraph I.2.4.1.3 Indicate presence and type of batteries provided in quote.

7. Anti-Condensation Heater—Spec Paragraph I.2.4.1.1 Indicate presence and type of anti-condensation heater in quote.

8. Automatic transfer switch—Paragraph I.3.0 , Show the make, model, voltage, poles, and frequency ratings of each transfer switch being offered. Show weather proof rating of transfer switch enclosure. Indicate if the switch is industrial rated as required in the specifications. Provide brochures for each type of transfer switch.

9. Seismic Requirement, Spec Paragraph I.4.2 Show seismic ratings on any and all equipment being provided.

10. Initial set of spare parts for 2000 operating hours—Spec Paragraph I.4.5-- List the type and number of spare parts being provided. Note that spec recognizes 250 hours to be one change cycle for all filters and associated gaskets.

11. Testing of generator before shipping according to NFPA 110. Spec Paragraph I.4.1—**Indicate intent to test each generator before the generator leaves the factory or vendor. Test reports must be sent to us and approved by us before generator can be shipped. Tests on prototype generators are not acceptable.**

CLAUSES FOR PURCHASE ORDERS AND BLANKET PURCHASE AGREEMENTS AWARDED BY OVERSEAS CONTRACTING ACTIVITIES
(Current thru FAC 2005-69)

COMMERCIAL ITEMS

FAR 52.252-2 Clauses Incorporated By Reference (FEB 1998)

This purchase order or BPA incorporates the following clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address: https://www.acquisition.gov/far

DOSAR clauses may be accessed at: http://www.statebuy.state.gov/dosar/dosartoc.htm

FEDERAL ACQUISITION REGULATION (48 CFR Chapter 1) CLAUSES

NUMBER	TITLE	DATE
52.204-9	Personal Identity Verification of Contractor Personnel (if contractor requires physical access to a federally-controlled facility or access to a Federal information system)	JAN 2011
52.212-4	Contract Terms and Conditions – Commercial Items (Alternate I (OCT 2008) of 52.212-4 applies if the order is time-and-materials or labor-hour)	SEPT 2013
52.225-19	Contractor Personnel in a Diplomatic or Consular Mission Outside the United States (applies to services at danger pay posts only)	MAR 2008
52.225-25	Prohibition on Contracting with Entities Engaging in Sanctioned Activities Relating to Iran – Representation and Certification (applies to acquisitions above the micropurchase threshold)	DEC 2012
52.227-19	Commercial Computer Software License (if order is for software)	DEC 2007
52.228-3	Workers' Compensation Insurance (Defense Base Act) (if order is for services and contractor employees are covered by Defense Base Act insurance)	APR 1984
52.228-4	Workers' Compensation and War-Hazard Insurance (if order is for services and contractor employees are not covered by Defense Base Act insurance)	APR 1984

The following clause is provided in full text:

52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS—COMMERCIAL ITEMS (SEPT 2013)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (Feb 2009) (22 U.S.C. 7104(g)).

✓ Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

[Contracting Officer: check as appropriate]

__ (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Sept 2006), with Alternate I (Oct 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).

__ (2) 52.203-13, Contractor Code of Business Ethics and Conduct (Apr 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

__ (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (June 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

__ (4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (Jul 2013) (Pub. L. 109-282) (31 U.S.C. 6101 note).

__ (5) 52.204-11, American Recovery and Reinvestment Act—Reporting Requirements (Jul 2010) (Pub. L. 111-5).

__ (6) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment. (Aug 2013) (31 U.S.C. 6101 note).

__ (7) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (Jul 2013) (41 U.S.C. 2313).

__ (8) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (May 2012) (section 738 of Division C of Pub. L. 112-74, section 740 of Division C of Pub. L. 111-117, section 743 of Division D of Pub. L. 111-8, and section 745 of Division D of Pub. L. 110-161).

__ (9) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (Nov 2011) (15 U.S.C. 657a).

__ (10) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (JAN 2011) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).

__ (11) [Reserved]

__ (12)(i) 52.219-6, Notice of Total Small Business Set-Aside (Nov 2011) (15 U.S.C. 644).

__ (ii) Alternate I (Nov 2011).

__ (iii) Alternate II (Nov 2011).

__ (13)(i) 52.219-7, Notice of Partial Small Business Set-Aside (June 2003) (15 U.S.C. 644).

__ (ii) Alternate I (Oct 1995) of 52.219-7.

__ (iii) Alternate II (Mar 2004) of 52.219-7.

__ (14) 52.219-8, Utilization of Small Business Concerns (Jul 2013) (15 U.S.C. 637(d)(2) and (3)).

__ (15)(i) 52.219-9, Small Business Subcontracting Plan (Jul 2013) (15 U.S.C. 637(d)(4)).

__ (ii) Alternate I (Oct 2001) of 52.219-9.

__ (iii) Alternate II (Oct 2001) of 52.219-9.

__ (iv) Alternate III (Jul 2010) of 52.219-9.

__ (16) 52.219-13, Notice of Set-Aside of Orders (Nov 2011)(15 U.S.C. 644(r)).

__ (17) 52.219-14, Limitations on Subcontracting (Nov 2011) (15 U.S.C. 637(a)(14)).

__ (18) 52.219-16, Liquidated Damages—Subcontracting Plan (Jan 1999) (15 U.S.C. 637(d)(4)(F)(i)).

__ (19)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Oct 2008) (10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).

__ (ii) Alternate I (June 2003) of 52.219-23.

__ (20) 52.219-25, Small Disadvantaged Business Participation Program—Disadvantaged Status and Reporting (Jul 2013) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

__ (21) 52.219-26, Small Disadvantaged Business Participation Program— Incentive Subcontracting (Oct 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).

__ (22) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (Nov 2011) (15 U.S.C. 657 f).

__ (23) 52.219-28, Post Award Small Business Program Rerepresentation (Jul 2013) (15 U.S.C. 632(a)(2)).

__ (24) 52.219-29, Notice of Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (Jul 2013) (15 U.S.C. 637(m)).

__ (25) 52.219-30, Notice of Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (Jul 2013) (15 U.S.C. 637(m)).

__ (26) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

_X_ (27) 52.222-19, Child Labor—Cooperation with Authorities and Remedies (Mar 2012) (E.O. 13126).

__ (28) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).

__ (29) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).

__ (30) 52.222-35, Equal Opportunity for Veterans (Sep 2010)(38 U.S.C. 4212).

__ (31) 52.222-36, Affirmative Action for Workers with Disabilities (Oct 2010) (29 U.S.C. 793).

__ (32) 52.222-37, Employment Reports on Veterans (Sep 2010) (38 U.S.C. 4212).

__ (33) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496).

__ (34) 52.222-54, Employment Eligibility Verification (Jul 2012). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)

__ (35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA–Designated Items (May 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

__ (ii) Alternate I (May 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

__ (36) 52.223-15, Energy Efficiency in Energy-Consuming Products (Dec 2007) (42 U.S.C. 8259b).

__ (37)(i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (DEC 2007) (E.O. 13423).

__ (ii) Alternate I (DEC 2007) of 52.223-16.

_X_ (38) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011) (E.O. 13513).

__ (39) 52.225-1, Buy American Act—Supplies (Feb 2009) (41 U.S.C. 10a-10d).

__ (40)(i) 52.225-3, Buy American Act—Free Trade Agreements—Israeli Trade Act (Nov 2012) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, 112-42, and 112-43).

__ (ii) Alternate I (Mar 2012) of 52.225-3.

__ (iii) Alternate II (Mar 2012) of 52.225-3.

__ (iv) Alternate III (Nov 2012) of 52.225-3.

__ (41) 52.225-5, Trade Agreements (SEPT 2013) (19 U.S.C. 2501, *et seq.*, 19 U.S.C. 3301 note).

__ (42) 52.225-13, Restrictions on Certain Foreign Purchases (June 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

__ (43) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

__ (44) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (Nov 2007) (42 U.S.C. 5150).

__ (45) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (Nov 2007) (42 U.S.C. 5150).

X__ (46) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

__ (47) 52.232-30, Installment Payments for Commercial Items (Oct 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

_X_ (48) 52.232-33, Payment by Electronic Funds Transfer—System for Award Management (Jul 2013) (31 U.S.C. 3332).

__ (49) 52.232-34, Payment by Electronic Funds Transfer—Other than System for Award Management (Jul 2013) (31 U.S.C. 3332).

__ (50) 52.232-36, Payment by Third Party (Jul 2013) (31 U.S.C. 3332).

__ (51) 52.239-1, Privacy or Security Safeguards (Aug 1996) (5 U.S.C. 552a).

__ (52)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).

__ (ii) Alternate I (Apr 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

[***Contracting Officer check as appropriate.***]

__ (1) 52.222-41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, *et seq.*).

__ (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

__ (3) 52.222-43, Fair Labor Standards Act and Service Contract Act—Price Adjustment (Multiple Year and Option Contracts) (Sep 2009) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

__ (4) 52.222-44, Fair Labor Standards Act and Service Contract Act—Price Adjustment (Sep 2009) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

__ (5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment—Requirements (Nov 2007) (41 351, *et seq.*).

__ (6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services—Requirements (Feb 2009) (41 U.S.C. 351, *et seq.*).

__ (7) 52.222-17, Nondisplacement of Qualified Workers (JAN 2013) (E.O.13495).

__ (8) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (Mar 2009) (Pub. L. 110-247).

__ (9) 52.237-11, Accepting and Dispensing of $1 Coin (Sept 2008) (31 U.S.C. 5112(p)(1)).

(d) *Comptroller General Examination of Record*. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records—Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause—

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (Apr 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

(ii) 52.219-8, Utilization of Small Business Concerns (Jul 2013) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds $650,000 ($1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) 52.222-17, Nondisplacement of Qualified Workers (JAN 2013) (E.O. 13495). Flow down required in accordance with paragraph (l) of FAR clause 52.222-17.

(iv) 52.222-26, Equal Opportunity (Mar 2007) (E.O. 11246).

(v) 52.222-35, Equal Opportunity for Veterans (Sep 2010) (38 U.S.C. 4212).

(vi) 52.222-36, Affirmative Action for Workers with Disabilities (Oct 2010) (29 U.S.C. 793).

(vii) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.

(viii) 52.222-41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, *et seq.*).

(ix) 52.222-50, Combating Trafficking in Persons (Feb 2009) (22 U.S.C. 7104(g)).

___Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(x) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (Nov 2007) (41 U.S.C. 351, *et seq.*).

(xi) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services-Requirements (Feb 2009) (41 U.S.C. 351, *et seq.*).

(xii) 52.222-54, Employment Eligibility Verification (JUL 2012).

(xiii) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

(xiv) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (Mar 2009) (Pub. L. 110-247). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xv) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

DEPARTMENT OF STATE ACQUISITION REGULATION (48 CFR Chapter 6) CLAUSES

NUMBER	TITLE	DATE
652.225-71	Section 8(a) of the Export Administration Act of 1979, As Amended (if order exceeds simplified acquisition threshold)	AUG 1999
652.229-70	Excise Tax Exemption Statement for Contractors Within the United States (for supplies to be delivered to an overseas post)	JUL 1988
652.229-71	Personal Property Disposition at Posts Abroad	AUG 1999
652.237-72	Observance of Legal Holidays and Administrative Leave (for services where performance will be on-site in a Department of State facility)	APR 2004
652.239-71	Security Requirements for Unclassified Information Technology Resources (for orders that include information technology resources or services in which the contractor will have physical or electronic access to Department information that directly supports the mission of the Department)	SEP 2007
652.242-70	Contracting Officer's Representative (if a COR will be named for the order) Fill-in for paragraph b: "The COR is _____"	AUG 1999
652.242-71	Notice of Shipments (for overseas shipment of supplies)	JUL 1988
652.242-73	Authorization and Performance	AUG 1999
652.243-70	Notices	AUG 1999

The following clause is provided in full text, and is applicable for orders for services that will require contractor employees to perform on-site at a DOS location and/or that require contractor employees to have access to DOS information systems:

652.204-70 Department of State Personal Identification Card Issuance Procedures (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at http://www.state.gov/m/ds/rls/rpt/c21664.htm .

(End of clause)