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Bid Bulletin No. 1


Subject: SUPPLY, DELIVERY AND INSTALLATION WITH TESTING AND COMMISSIONING OF 800KVA GENERATOR SET FOR CROP BIOTECHNOLOGY CENTER OF PHILRICE CES PB 24-01-11

This bid bulletin is being issued to amend the Solicitation number posted in PhilGEPS website from PB 24-01-12 to PB 24-01-11 and to clarify and amend Section VI. Schedule of Requirements and Section VII. Technical Specifications in the bidding document.

Please see attached Revised Schedule of Requirements and Technical Specifications for complete details.

Section VII (Revised Technical Specifications) must be included in the bid proposal as part of the Eligibility and Technical Component (1st envelope) to signify conformity to the revisions.

Please be guided accordingly.


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Better PhilRice. Better Rice Communities.

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SECTION VI. 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 no.	Description	Quantity	Unit	Total ABC	Division	Delivery Period
1	Supply, Delivery, and Installation with Testing and Commissioning of One (1) Unit Brand New, Generator Set 800KVA, Silent Type	1	lot	15,000,000.00	CBC	90 calendar days
*****nothing follows*****						

SECTION VII. Technical Specifications

Item	Specification	Statement of Compliance
1	<p>Supply, delivery and installation with testing and commissioning of Brand New 800KVA Generator Set, Silent Type</p> <p>GENERATOR SET</p> <p>One (1) Unit Brand New, 800KVA Generator Set: Silent Type</p> <ul style="list-style-type: none"> ✓ Prime Power of 725 KVA/580KW ✓ Stand by Power of 800 KVA/640KW ✓ Frequency of 60Hz ✓ And Speed of 1800RPM ✓ Three (3) Phase, 230 Volts, Power Factor of 0.8 ✓ with Standard Alternator ✓ and Auto Mains (Utility) Control Module ✓ Starting Voltage: DC24V ✓ Breaker Capacity/Circuit Breaker Rating Capacity: 2008A (minimum) ✓ Back up Battery Charger: 12/24V, 10A ✓ Dimension: (L x W x H) = +/- (5700mm x 2150mm x 2550mm) <p>For Wires /Accessories</p> <ul style="list-style-type: none"> ✓ 325mm² THHN Copper Wire (From Generator Set to ATS) Main Line (180m) (180m)= 12m x 5linear/terminal x 3wire 	<p>Statement of Compliance</p> <p><i>Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</i></p>

	<ul style="list-style-type: none"> ✓ 100mm² THHN Copper Wire (From Generator Set to ATS) Ground Line (12m) ✓ With 1.5hp Diesel Transfer Pump, 230V, 3 Phase <p>For Installation and Commissioning</p> <ul style="list-style-type: none"> ✓ Installation, Termination, Testing and Commissioning of ATS (Automatic Transfer Switch) to Generator Set ✓ Fabrication and Installation of Ventilation Louver for Generator Exhaust ✓ Consumables (such as Terminal Lugs, Rubber Tape, Electrical tape Etc.) ✓ Delivery and Positioning of Generator set <p>Standard attachment/inclusion</p> <ul style="list-style-type: none"> ✓ Battery Charger ✓ Batteries ✓ Generator Set Controllers ✓ Vibration Isolators ✓ Electronic Governor ✓ Digital Voltage Regulator ✓ Locally Fabricated residential-type Muffler ✓ Locally Fabricated Fuel Day Tank – 8 hour capacity <p>Automatic Transfer Switch (ATS)</p> <ul style="list-style-type: none"> ✓ Floor Mounted Type with complete accessories in NEMA 1 Enclosure ✓ 4000 AT, 3 Phase, 230V ✓ with Digital Volt and Ampere Meter ✓ Pilot lamp, Switch Selector and Copper Busbar <p>For Wires /Accessories</p> <ul style="list-style-type: none"> ✓ 325mm² THHN Copper Wire (From Transformer to ATS) Main Line (480m) (480m) = 20m x 8linear/terminal x 3wire ✓ 100mm² THHN Copper Wire (From Transformer to ATS) Ground Line (20m) ✓ With 1.5hp Diesel Transfer Pump, 230V, 3 Phase 	
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For Installation and Commissioning

- ✓ Installation, Termination, Testing and Commissioning of ATS (Automatic Transfer Switch) to Transformer
- ✓ Consumables (such as Terminal Lugs, Rubber Tape, Electrical tape Etc.)
- ✓ Delivery (Mobilization and Demobilization)

Automatic Voltage Regulator (AVR)

- ✓ AVR for 800KVA Capacity
- ✓ with Copper Winding at 3 Phase, 230V
- ✓ with Digital Volt and Ampere Meter (preferably digital meter panel)

The unit comes with the following services:

- ✓ Delivery to site
- ✓ Testing and commissioning of unit, **6 hours (on site testing) at 100% of existing load (25% load -1 hr., 50% load -1 hr., 75% load -1 hr., 100% load -1 hr., and 80% load-remaining 2 hrs.)**
- ✓ Operation and Maintenance training **regarding the genset main components with Certificate of Training.**
- ✓ **Customer support agreement for one (1) year**

Installation Works (See Annex A)

With 2 years warranty.

CUSTOMER SUPPORT AGREEMENT (1 YEAR)

Preventive Maintenance Service

- ✓ Change Oil and filters
- ✓ Extract oil samples
- ✓ Check batteries
- ✓ Lubricate Grease fittings

Technical Analysis Level 2 (TA2) -

This will involve running the generator set with load and a system-by-system

	<p>check-up using diagnostic instruments. The following shall be included in the inspection:</p> <ul style="list-style-type: none"> ✓ Cooling System. Perform radiator differential / ambient temperature test and radiator air flow test. ✓ Fuel system pressure test ✓ Lubrication system pressure test ✓ Air induction and exhaust system. Perform inlet manifold ✓ Pressure test (boost pressure test) and exhaust back pressure test ✓ Air filter restriction test. Perform exhaust stack temperature test and blow-by test ✓ Insulation test (Megger) on generator <p>Technical Analysis Level 1 (TA1) – This is a detailed inspection of the entire generator set systems to determine if each system is functioning within acceptable standards.</p> <ul style="list-style-type: none"> ✓ Walk around inspection ✓ Cooling system ✓ Fuel system ✓ Air induction and exhaust system ✓ Lube oil system ✓ Starting system ✓ Control panel ✓ Power generator ✓ Sanitation <p>Scheduled Oil Sampling (SOS) – will get oil samples every visit (PMS, TA2, TA1). This way, the engine’s oil shall be analyzed by using the following test:</p> <ul style="list-style-type: none"> ✓ Complete Testing (SOS-COMP) ✓ Wear Metals; ✓ Total Base Number for engine samples / Total Acid Number for non-engine; ✓ Viscosity (either V40 or V100); ✓ Flash Point (Open Cup); ✓ Water by Distillation; ✓ Soot; ✓ Sulfur Content; ✓ Oxidation; ✓ Nitration; ✓ Glycol for Engine Oil. 	
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	<p>Other documentary requirements to be submitted as proof of evidence and part of the Technical Specifications:</p> <ul style="list-style-type: none">✓ Manufacturer & Supplier Warranty = minimum of 2 years or 1000 running hours✓ Certificate of Availability of Spare Parts for 10 years✓ All parts of the generator set must have manufacturers' certificate✓ ISO 8528 Compliant✓ Service Center must be Exclusive Service Center. A certificate shall be required.✓ Shop drawings and as-built plants <p>Others:</p> <ul style="list-style-type: none">✓ Warehouse visit is required during the post-qualification.✓ Load bank testing (1 hr) is required to the winning bidder prior to the delivery of the item.✓ Operation and maintenance manual *****nothing follows*****	
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