



LANDBANK

SUPPLEMENTAL/BID BULLETIN NO. 2
For LBP-HOBAC-ITB-GS-20190204-04

PROJECT : One (1) Lot Supply, Delivery and Installation of Two (2) Units 1,600 KW/2000KVA 3-Phase Generator Set at LANDBANK Plaza Including Dismantling and Hauling-out of Existing Units to LANDBANK Antipolo Warehouse

IMPLEMENTOR : Procurement Department

DATE : **March 28, 2019**

This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an integral part of the Bid Documents.

Modifications, amendments and/or clarifications:

- 1) Invitation to Bid Item No. 2, Sections IV.17.3 of the General Conditions of the Contract, VII (Specifications) and Checklist of the Bidding Documents have been revised. Please see attached revised specific sections of the Bidding Documents.
- 2) The deadline of submission and the schedule of opening of eligibility/technical and financial documents/proposals for the above project is re-scheduled to **April 4, 2019, 11:00 A.M.** at the Procurement Department, 25th Floor, LANDBANK Plaza Building, 1598 M. H. Del Pilar corner Dr. Quintos Streets, Malate, Manila.


ALWIN I. REYES, CSSP
Assistant Vice President
Head, Procurement Department and
HOBAC Secretariat



Land Bank of the Philippines

Invitation to Bid For

One (1) Lot Supply, Delivery and Installation for the Replacement of Two (2) Units 1,600 kW / 2000kVA Generator Set at LANDBANK Plaza

1. The LAND BANK OF THE PHILIPPINES (LANDBANK), through its Corporate Budget for the contract approved by the Board of Directors for 2018 intends to apply the total sum of Fifty-Four Million Five Hundred Thousand Pesos Only (P54,500,000.00) being the Approved Budget for the Contract to payments under the contract for the One (1) Lot Supply, Delivery and Installation for the Replacement of Two (2) Units 1,600 kW / 2000kVA Generator Set at LANDBANK Plaza/ITB No.LBP-HOBAC-ITB-GS-20190204-04

Bids received in excess of the above ABC shall be automatically rejected at bid opening.

2. The LANDBANK now invites bids for the One (1) Lot Supply, Delivery and Installation for the Replacement of Two (2) Units 1,600 kW / 2000kVA Generator Set at LANDBANK Plaza. Delivery period is indicated in Section VI, Schedule of Requirements. **Bidders should have completed, within the last five (5) years from the date of submission and receipt of bids, a contract similar to the Project.** The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to R.A. 5183 and subject to Commonwealth Act 138.

4. Interested bidders may obtain further information from LANDBANK and inspect the Bidding Documents at the address given below during office hours from 8:00 A.M. to 5:00 P.M.:

Procurement Department
Land Bank of the Philippines
25th Floor LANDBANK Plaza Building

1598 M.H. Del Pilar cor. Dr. J. Quintos Sts.
1004 Malate, Manila
lbphobac@mail.landbank.com

The complete set of Bidding Documents may be acquired by interested Bidders on _____ from the address indicated above and upon payment of a Bidding Documents Fee, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty-Seven Thousand Three Hundred Pesos Only (P27,300.00).

It may also be downloaded from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the LANDBANK website, provided that Bidders shall pay the corresponding Bidding Documents Fee not later than the submission of their bids.

5. The LANDBANK will hold a Pre-Bid Conference on _____, at the Bidding Room, 25th Floor, LANDBANK Plaza Building, 1598 M.H. Del Pilar corner Dr. J. Quintos Streets, Malate, Manila. Only those bidders which have purchased the Bidding Documents shall be allowed to request for clarification on any part of the Bidding Documents or for an interpretation, at least three (3) calendar days after the pre-bid conference.

Bidders are prohibited from recording (audio or video) the proceedings of the pre-bid conference.

6. Bids must be dropped at the designated Bid Box located at the LANDBANK Procurement Department PROPERLY SEALED, MARKED AND TIME STAMPED, on or before the 11:00 A.M. deadline on _____. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause A.18.

Bid opening shall be on _____ at the Bidding Room, 25th Floor, LANDBANK Plaza Building, 1598 M.H. Del Pilar corner Dr. J. Quintos Streets, Malate, Manila. Bids will be opened in the presence of the Bidders' representatives who choose to attend at the address above. Late bids shall not be accepted.

7. The LANDBANK reserves the right to (a) reject any and all bids at any time prior to the award of the contract; (b) waive any minor formal requirements in the bid documents; (c) accept such bids it may consider to be advantageous and beneficial to the Bank, without thereby incurring any liability to the affected bidder or bidders.
8. Bidders should have no negative financial dealings/transactions with LANDBANK and its subsidiaries.

9. For further information, please refer to:

Mr. Alwin I. Reyes, CSSP
Assistant Vice President
Head, Procurement Department
1598 M.H. Del Pilar cor. Dr. J. Quintos Sts.
1004 Malate, Manila
Tel. (+632) 522-0000 or 551-2200 local 7370
Fax (+632) 528-8587
Email lbphobac@mail.landbank.com

SIGNED

RANDOLPH L. MONTESA

First Vice President

Acting Vice-Chairman, Bids and Awards Committee

furnished to the inspectors at no charge to the Procuring Entity. The Supplier shall provide the Procuring Entity with results of such inspections and tests.

- 16.3. The Procuring Entity or its designated representative shall be entitled to attend the tests and/or inspections referred to in this Clause provided that the Procuring Entity shall bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 16.4. The Procuring Entity may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice pursuant to **GCC** Clause 5.
- 16.5. The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Procuring Entity or its representative, shall release the Supplier from any warranties or other obligations under this Contract.

17. Warranty

- 17.1. The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials, except when the technical specifications required by the Procuring Entity provides otherwise.
- 17.2. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 17.3. **In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier for a minimum period specified in the SCC. The obligation for the warranty shall be covered by, at the Supplier's option, either retention money in an amount equivalent to at least three percent (3%) of every progress payment, or a special bank guarantee equivalent to at least three percent (3%) of the total Contract Price or other such amount**

if so specified in the SCC. The said amounts shall only be released after the lapse of the warranty period specified in the SCC; provided, however, that the Supplies delivered are free from patent and latent defects and all the conditions imposed under this Contract have been fully met.

- 17.4. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, within the period specified in the SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the Procuring Entity.
- 17.5. If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in the GCC Clause 17.4, the Procuring Entity may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract and under the applicable law.

18. Delays in the Supplier's Performance

- 18.1. Delivery of the Goods and/or performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Entity in Section VI. Schedule of Requirements.
- 18.2. If at any time during the performance of this Contract, the Supplier or its Subcontractor(s) should encounter conditions impeding timely delivery of the Goods and/or performance of Services, the Supplier shall promptly notify the Procuring Entity in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, and upon causes provided for under GCC Clause 22, the Procuring Entity shall evaluate the situation and may extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of Contract.
- 18.3. Except as provided under GCC Clause 22, a delay by the Supplier in the performance of its obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 19, unless an extension of time is agreed upon pursuant to GCC Clause 29 without the application of liquidated damages.

19. Liquidated Damages

Specifications

Quantity	Specifications	Statement of Compliance
One (1) Lot	<p>Supply, Delivery and Installation for the Replacement of Two (2) Units (Genset Nos. 1 & 2) 1,600 kW / 2000kVA Generator Sets Including Supply of Technical Supervision, Labor, Tools, Materials and Equipment Complete with Standard Accessories</p> <p>Specifications, scope of works, schematic diagram and other requirements per attached Revised Terms of Reference – Annexes A-1 to A-12.</p> <p>Bill of Quantities per attached Annexes B-1 to B-4.</p>	<p>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each specification.</p> <p>Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid. 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 provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii)</p> <p>Please state here either “Comply” or “Not Comply”</p>

	<p>The following documents shall be submitted inside the First Envelope:</p> <ul style="list-style-type: none">a) Product Brochure with Underwriters Laboratory (UL) or European Conformity (EC) containing detailed technical specifications and features of the generator sets including component parts and accessories.b) Certificate of Inspection (CI) issued by the LANDBANK Facilities Management Department (FMD).c) Manufacturer's Authorization or Back-to-Back Certification to prove that the bidder is an authorized seller/distributor of the offered product and/or other supporting documents to satisfy the said requirement.d) Copy of at least ten (10) Purchase Orders or Contracts from year 2003 to present as proof that the bidder has minimum of fifteen (15) years experience in selling and servicing of Generator Sets in the Philippines.e) List of at least ten (10) clients with addresses, contact persons and telephone numbers.f) Copy of at least three (3) Certificates of Satisfactory Performance issued by at least 3 major clients of High Rise Building or at total genset load capacity of 6.4 Mega Watts (e.g., BPOs, hospitals, banks, commercial establishments, condominiums, malls, power plants, government offices) using the brand being offered.g) Certificate of availability of the following mandatory requirements:<ul style="list-style-type: none">• In-house electrical & mechanical shop;• In-house load bank (from 5 kW to 50 kW);• Parts inventory for consumables & emergency repair/major overhauling; and	
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	<ul style="list-style-type: none"> • 24 hours service crew for emergency repair. <p>h) List of at least five (5) names of regular employed technicians with a copy of license and corresponding certificate, certified by a DOLE – accredited Testing Organization for Heavy Equipment.</p> <p>i) Copies of employment certificate and corresponding license / competency certificate. Must have at least one (1) each of the following personnel:</p> <ul style="list-style-type: none"> • Electrical Engineers • Mechanical Engineers • Project Supervisor • Assistant Supervisor • Safety Officers <p>j) Print out of the Homepage of the manufacturer’s website showing the URL (web address). The offered product and its technical specifications must be verifiable from the manufacturer’s website.</p> <p>k) Underwriters Laboratories (UL) or European Conformity (EC) Certification.</p> <p>l) Bureau of Product Standards (PS) and ISO Certification.</p>	
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Conforme:

Name of Bidder

Signature Over Printed Name of
Authorized Representative

Position

Checklist of Bidding Documents for Procurement of Goods and Services

Documents should be arranged as per this Checklist. Kindly provide folders or guides, dividers and ear tags with appropriate labels.

First Envelope – Eligibility and Technical Components

- **The First Envelope shall contain the following:**
 - **Eligibility Documents – Class “A”**

Legal Eligibility Documents

1. **PhilGEPS Certificate of Registration under Platinum Membership (all documents enumerated in its Annex A must be updated); or all of the following:**
 - **Registration Certificate from SEC, Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives, or any proof of such registration as stated in the Bidding Documents;**
 - **Valid and current mayor’s/business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or equivalent document for Exclusive Economic Zones or Areas; and**
 - **Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR.**

Technical Eligibility Documents

2. **Duly notarized Omnibus Sworn Statement (sample form - Form No.6).**
3. **Duly notarized Secretary’s Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture (sample form - Form No. 7).**
4. **Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, within the last five (5) years from the date of submission and receipt of bids. The statement shall include all information required in the sample form (Form No. 3).**

5. **Statement of the prospective bidder identifying its single largest completed contract similar to the contract to be bid, equivalent to at least fifty percent (50%) of the ABC supported with contract/purchase order, end-user's acceptance or official receipt(s) issued for the contract, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the sample form (Form No. 4).**
6. **Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet).**
7. **Section VI - Schedule of Requirements with signature of bidder's authorized representative.**
8. **Revised Section VII - Specifications with response on compliance and signature of bidder's authorized representative.**

Financial Eligibility Documents

9. **The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.**
 10. **The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank.**
- **Eligibility Documents - Class "B"**
 11. **Valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.**
 - **Technical Documents**
 12. **Product Brochure with Underwriters Laboratory (UL) or European Conformity (EC) containing detailed technical specifications and**

features of the generator sets including component parts and accessories.

13. **Certificate of Inspection (CI) issued by the LANDBANK Facilities Management Department (FMD).**
14. **Manufacturer's Authorization or Back-to-Back Certification to prove that the bidder is an authorized seller/distributor of the offered product and/or other supporting documents to satisfy the said requirement.**
15. **Copy of at least ten (10) Purchase Orders or Contracts from year 2003 to present as proof that the bidder has minimum of fifteen (15) years experience in selling and servicing of Generator Sets in the Philippines.**
16. **List of at least ten (10) clients with addresses, contact persons and telephone numbers**
17. **Copy of at least three (3) Certificates of Satisfactory Performance issued by at least 3 major clients of High Rise Building or at total genset load capacity of 6.4 Mega Watts (e.g., BPOs, hospitals, banks, commercial establishments, condominiums, malls, power plants, government offices) using the brand being offered.**
18. **Certificate of availability of the following mandatory requirements:**
 - **In-house electrical & mechanical shop;**
 - **In-house load bank (from 5 kW to 50 kW);**
 - **Parts inventory for consumables & emergency repair/major overhauling; and**
 - **24 hours service crew for emergency repair.**
19. **List of at least five (5) names of regular employed technicians with a copy of license and corresponding certificate, certified by a DOLE – accredited Testing Organization for Heavy Equipment.**
20. **Copies of employment certificate and corresponding license / competency certificate. Must have at least one (1) each of the following personnel:**
 - **Electrical Engineers**
 - **Mechanical Engineers**
 - **Project Supervisor**
 - **Assistant Supervisor**
 - **Safety Officers**
21. **Print out of the Homepage of the manufacturer's website showing the URL (web address). The offered product and its technical specifications must be verifiable from the manufacturer's website.**
22. **Underwriters Laboratories (UL) or European Conformity (EC) Certification**

23. Bureau of Product Standards (PS) and ISO Certification

- **Post-Qualification Documents – (Non-submission of the following documents may result in bidder’s post-disqualification):**

23. Business Tax Returns per Revenue Regulations 3-2005 (BIR No. 2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters filed manually or through EFPS.

24. Income Tax Return for 2017 filed manually or through EFPS.

Second Envelope – Financial Component

- **The Second Envelope shall contain the following:**
 - 1. Duly filled out Bid Form signed by the bidder’s authorized representative (sample form - Form No.1)**
 - 2. Duly filled out Schedule of Prices signed by the bidder’s authorized representative (sample form - Form No.2)**

TERMS OF REFERENCE

I. Project Description:

One (1) lot – Supply, delivery and installation for the replacement of Two (2) units (Genset Nos. 1 & 2) 1,600 kW / 2000kVA Generator Sets located at Gen-Set Room, 6th floor, LANDBANK Plaza, Malate Manila, including supply of technical supervision, labor, tools, materials and equipment complete with standard accessories.

II. Objectives:

1. To replace the worn-out two (2) units Generator Sets at LANDBANK Plaza Building that serve as back-up power in case of power supply shortage/interruption from power utility company - MERALCO.
2. To comply with the requirements of the Bank's Environmental Management Program on ISO 14001 certification and applicable codes of the Philippines.

III. Project Details:

III.A Technical Specifications:

Generator Set - must be compatible with the existing units Synchronizing Panel and Automatic Transfer Switch (ATS) and existing electrical system.		
<i>Prime Power Rating</i>	1600 kiloWatts (kW) at 0.8 power factor (pf) , Open Type	
<i>Rated Voltage</i>	480 Volts (V)	
<i>Frequency (Hertz)</i>	60 Hertz (Hz)	
<i>Number of Phase</i>	Three (3)	
<i>Engine</i>	Prime Mover	2000 – 2500 Hp (min-max)
	Compression Ratio	16 : 5 : 1 / 13 : 5 : 1 / 15: 0 : 1
	No. of Cylinders	12 or 16
	Type	V – Configuration Diesel Engine
	No. of Stroke	4 – Stroke – Cycle
	Bore	170 mm (max)
	Stroke	180 – 210 mm (min – max)
	Displacement	65 – 69 Liters (min – max)
	Rated Speed	1800 revolution per minute (rpm)
	Governor	Electronic Isochronous/ Mechanical
	Air Cleaner	Dry
	Aspiration	Turbo Charged , Intercooled
	Cooling System	Radiator Water-Coolant Cooled
	Starting system	Electric
<i>Alternator</i>	Rated Output	2000kVA
	Type	Self-excited , brushless alternator 4 , Rotating –Field
	Number of Poles	Class H
	Insulation	Automatic Voltage Regulator
	Voltage Regulator	Single/Double Bearing

CLASS D

	No. of Bearing	
<i>Engine Electrical System</i>	Battery charging alternator	Ground (negative/positive) Volts (DC) – 24 V Ampere Rating – 30 A Starter Motor voltage (DC)— 24V Battery , recommended cold cranking Battery Voltage (DC) – 12V
<i>Fuel System</i>	Recommended Fuel Maximum Fuel Lift Total Fuel Flow Direct Injection	Diesel 1 m / 3 ft at maximum 560-960 L / hr (min – max)
<i>Fuel Consumption</i>	At 100 % load with fan At 75 % load with fan At 50 % load with fan	430 - 440 L / hr (min-max) 320 - 340 L / hr (min-max) 220 - 240 L / hr (min-max)
<i>Air Requirements</i>	Combustion air inlet flow rate	130 – 155 m ³ / min (min – max)
<i>Exhaust System</i>	Exhaust Manifold Type Exhaust stack gas temperature at rated kW	Dry 410-520 °C (min – max)
<i>Control Panel</i>	Digital Metering Engine Complete Parameters (kW, kVA, rpm , Volts, Battery Voltage Drop, Amperes, Temperature , Pressure, ect.) Generator Protection Functions Engine Protection Multilingual Capability Windows-Based Software (MAC or Proprietary) Operating Hours Synchronizing Panel Compatibility	
Standard Gen-Set Sound	103 to 110 dB (deciBel) within 5 to 7 meters	
<i>Dimensions Lx W x H</i>	5 to 7 meters Length , 2 to 2.7 meters Width , 2.5 to 3 meters Height (min-max)	
<i>Weight (w/o fuel tank)</i>	14,000 - 16,000kg at min to max with vibration	

III.B Parts / Components:

Engine	Name of Parts / Components	Qty.
	• Air Cleaners	8 pcs at max
	• Oil Pump Assembly	1 lot
	• Oil Drain Extension & S/O Valve Assembly	1 lot
	• Oil Filters	8 pcs at max
	• Fuel Filter (Primary)	2 – 4 pcs
	• Fuel Filter (Secondary)	2 – 4 pcs
	• Closed Crankcase	2 – 4 pcs

	<p>Ventilation</p> <ul style="list-style-type: none"> ● Jacket Water Pump 2 – 4 pcs ● Intercooler Water Pump 2 – 4 pcs ● Thermostat 4 pcs at max ● Blower Fan & Fan Drive 1 lot ● Radiator - Unit Mounted 1 unit ● Electric Starting Motor – 24V 1-2 pcs ● Governor- Electronic Isochronous 1 unit ● Base – Structural Steel 1 unit ● SAE Flywheel & Bell Housing 1 lot ● Charging Alternator – 24V 1 unit ● Battery Box & Cables 1 lot ● Flexible Fuel Connectors 1 lot ● Flexible Exhaust Connection 1 lot ● Charging Alternator – 24V 1 unit ● Battery Box & Cables 1 lot ● Flexible Fuel Connectors and Fittings 1 lot ● Flexible Exhaust Connection 1 lot ● Engine Block Assembly 1 lot ● Cylinder Head Assembly 1 lot ● Piston and Cylinder Liner Assembly 1 lot
Generator	<ul style="list-style-type: none"> ● NEMA MG1 , IEEEE and ANSI standards compliance for temperature rise and motor starting ● Sustained short circuit current of up to 300% of the rated current for 10 to seconds ● Self-Ventilated and Drip-Proof ● Superior Voltage Waveform ● No load to full load regulation ● Digital, Solid State ● Volts-per-Hertz Regulator ● Brushless Alternator with Brushless Pilot ● Exciter ● 4 Pole , Rotating Field
Standard Accessories	<ul style="list-style-type: none"> ● 10A battery charger ● Residential exhaust silencer ● Flexible exhaust connector ● Set mounted control panel with ACG413 controller ● Droop Kit

	<ul style="list-style-type: none"> • Repair Kit • Resiliently mounted on a common base skid • Racor fuel / water separator • Lead acid starting battery • Operations Manual • Test Port 4-8 pcs at maximum • Vibro Spring Pad Insulator (Heavy Duty) 16 pcs at maximum (Factory Supplied Spring Insulator)
Emission	<ul style="list-style-type: none"> • Environmental Protection Agency (EPA) Certified or Emission Test Compliance Certificate

III. C Scope of the Project and Delivery Time/Completion Schedule

1. Scope of Works:	
Inspection	<ul style="list-style-type: none"> • Thorough and detailed inspection, verification, assessment of the condition and other details of the project.
Permits and Licenses	<ul style="list-style-type: none"> • Acquisition of DENR Permit, Mechanical Permit to Install and Operate (Gen-Sets), and other necessary permits/legal requirements for the installation and operation of the Gen-Sets.
Mobilization	<ul style="list-style-type: none"> • Mobilize of manpower including tools, materials and equipment
Dismantling and Hauling	<ul style="list-style-type: none"> • Dismantling of existing two(2) units Generator Set to include the following : <ol style="list-style-type: none"> a. Disconnection of exhaust system b. Disconnection of radiator ducting of the Gen-Set c. Disconnection of all power cables and control wires from the Gen-Set d. Disconnection of fuel pipes from the Gen-Set Note : Existing fuel pipes will be reused e. Dismantling of existing door louvers f. Dismantling of radiator assembly g. Dismantling of the existing two (2) units synchronizing panel h. Demolition of front concrete wall louver to provide access for Gen-Set i. Extracting of anchor bolts and spring isolators j. Other dismantling works necessary for successful pull out of the Gen-Set • Lifting, hauling and rigging of the dismantled Gen-Set including the Field Device Tool (FDT) from other dismantled materials from power house to customer's staging area at LANDBANK Warehouse in Antipolo, Rizal.
Installation	<p>MECHANICAL WORKS – Supply, Delivery and Installation of :</p> <ul style="list-style-type: none"> • Temporary installation/connection of service unit 2500kVA / 2000kW Generator Set prior to the installation of Brand New Generator Sets including provision of electrical wires. • Two (2) units brand new Generator Sets, radiator assemblies (to be engine mounted at site) and other accessories (e.g. Muffler,

	<p>Ducting, and other attachments) including lifting, hauling, rigging, mounting and alignment from drop off point to its designated location at Gen-Set Room.</p> <ul style="list-style-type: none">• Schedule 40 Stainless Steel pipe and residential type muffler for each Gen-Set exhaust system, complete with flexible connectors, expanders, gasket, American National Standard Institute (ANSI) flanges, S.S elbows (90°) and (45°), hangers, spring type supports, standard test port with flange and cover, wall thimble with caulking, and flapper/ rain cap. Pipes inside the power house shall be insulated with 2 inch Rockwool insulation and wrapped with Gauge # 22 Aluminum Cladding. Pipes extending outside the power house shall be painted with high heat aluminum paint.• Radiator rainhood ducting Gauge #22 and extension exhaust pipe extended to 10th floor outside the power house. (Please see attached Layout 1.0 for reference)• Gauge #18 radiator ducting complete with canvass cloth, stiffeners, brackets, hangers, Stainless Steel wire mesh and supports.• One (1) inch schedule 40 seamless Stainless Steel pipes to connect the existing fuel pipes to the Gen-Set, complete with flexible hoses, fittings, elbows, gate valves, check valves, wye strainer between each Gen-Set and the Field Device Tool (FDT). This includes the supply and installation of fuel and water separator with bypass line.• Two (2) units breather box complete with necessary valves, fittings, and supports required to complete the installation. <p>ELECTRICAL WORKS – Supply, Delivery and Installation of :</p> <ul style="list-style-type: none">• Battery chargers, including 6 x 3.5 sq. mm THW and 1 x 2.0 sq. mm THW (Green) in liquid tight flexible conduit from 240VAC to electrical outlet to battery charger and from battery charger's 24VDC output to Gen-Set's DC terminal. This shall also include the supply and installation of 30A circuit breaker for the protection of each battery charger.• 1 x 100 sq. mm bare copper wire from Gen-Set to provided ground tapping point within the generator room.• 4 sets of (3 x 250sq mm THHN and 1 x 50sq mm THHN) Rated power cables from each Gen-Set going to sync panel. Include termination to two (2) units Gen-Set and one (1) unit sync panels.• Long barrel, crimp type cable terminal lugs at each end of each run of power cables• Ladder type cable tray complete with hangers, supports, bonding wires, and other necessary accessories• 2 x 3.5 sq. mm THHN wires, 6 x 2.0 sq. mm THW wires and 2 sets of shielded twisted pairs in liquid tight flexible conduit from
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	<p>each Gen-Set control panel to Sync Panel, including necessary fittings, hangers and supports.</p> <p>CIVIL WORKS</p> <ul style="list-style-type: none"> • Removal of any obstruction on the pathway of Gen-Sets prior to hauling and rigging. Chipping and restoration of any damaged finishes and/or concrete structures. • Retrofitting of each 6m length x 2m width x .3m thick steel framing to 5 to 7 m Length , 2 to 2.7 m width (min-max) , x .3m thick steel framing with Vibro Spring Pad Insulator (Heavy Duty) – 16 pcs at maximum per Genset similar to the existing unit • Installation of one (1) assembly Detachable Steel Metal Doors and Louvers gray paint (6000mm width x 4500mm height as replacement on the to be demolished concrete wall louver) • Restoration of affected/damaged areas under (Mechanical / Electrical / Civil) works <p><i>Note : (Please see attached Layout 1.0 for reference)</i></p>
Demobilization	<ul style="list-style-type: none"> • Check mechanical and electrical components to include cleaning and tightening of terminal bolts • Pull-out tools, equipment, waste and debris • Clearing and cleaning of the affected areas
Testing and Commissioning	<ul style="list-style-type: none"> • Factory Witness & Acceptance Test based on standard including among others of the following : <ol style="list-style-type: none"> a. at 50% load , 1 hour b. at 75% load , 1 hour c. at 100% load , 1 hour d. at 100% shock load , 1 hour running of the Genset e. shaker / vibration test f. alternator test g. fuel consumption test • Final Testing and Commissioning <ol style="list-style-type: none"> a. at 50% load of the building , 1 hour b. at 75% load of the building , 1 hour c. at 100% load of the building , 1 hour
As-Built Plan	<ul style="list-style-type: none"> • Preparation and submission of signed and sealed shop drawings and as-built plans (blue prints, white prints and CAD files in USB)
Work Completion	<ul style="list-style-type: none"> • Three Hundred (300) Calendar Days (including shipment) upon receipt of Notice To Proceed
Installation/Work Schedule	<ul style="list-style-type: none"> • Mondays – Sundays in coordination with FMD

Warranty	<ul style="list-style-type: none"> • One (1) year warranty against factory/manufacturing defects on equipment, components and parts supplied and against faulty workmanship to commence upon receipt of final turn-over and acceptance documents • All equipment, parts and components found defective within the warranty period shall be immediately replaced without additional cost to the Bank • Monthly checking/Preventive Maintenance Services for one (1) year to start after 30 days upon receipt of final turn-over and acceptance documents and in full coordination with the FMD. • Change oil every after 500 running hours or 1 year whichever comes first. <ul style="list-style-type: none"> a. Replace lube oil and filters b. Replace fuel filters c. Clean radiator coils and fins d. Change radiator coolant
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IV. Terms and Conditions:

1. Fuel for the temporary service unit shall be provided by LANDBANK. Unused/excess fuel must be returned by the contractor at the fuel storage room located at 6th floor after the completion of the installation of brand new Gen-Sets.
2. All electrical wires from ATS to Synchronizing Panel should pass the insulation test. Submit copy of duly signed insulation test result/report.
3. All parts, materials and accessories that will be supplied shall be brand new and ISO approved products except for those specifically approved for re-use.
4. Response time for all service calls (repair and /or maintenance works) shall be within 24 hours upon receipt of notification call from FMD.
5. Ensure availability of the service spare parts such as sensors, relays, fan belts, or other minor components to ensure ready and prompt operation of Gen-Sets at all times.
6. Conduct the appropriate operator's training to the LANDBANK technical personnel on the proper operation and maintenance of the Gen-Set.

V. Submittals:

Item	Description	Submission Date
Product Brochure with Underwriters Laboratory (UL) or European Conformity (EC)	<ul style="list-style-type: none"> • Detailed technical specifications and features of the generator sets including component parts and accessories • Printout Homepage of the manufacturer's website showing URL (web address). 	Upon submission of Bid
Comprehensive General Liability Insurance (CGLI) and Personal Insurance	Copy of CGLI and Personal Insurance covering bodily injury and property damage	Upon issuance of Notice To Proceed /Purchase Order (PO) and prior to actual implementation of the

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Certificate/Policy		project
Load Test Report	Comprehensive report containing the electrical and mechanical parameters of the generator sets	Upon final testing and commissioning
As-built plans (signed and sealed by PME) – 3 sets	Plans showing the locations of generator set	Upon Completion
Warranty Certificate	Warranty Certificate	Upon Completion
Guarantee Certificate	Certificate that the spare parts and components including the aftersales services/ supports that may be required by the bank to ensure the continuous and normal operation of the equipment shall be available in the next five (5) years from the date of commissioning	Upon Completion
Certificate Of Compliance (COC)	Pursuant to Section 38 of Republic Act No. 9136 (RA 9136) creating Energy Regulatory Commission, the pertinent provisions of the implementing Rules and Regulations (IRR) of RA9136, and the 2014 Revised Rules for the issuance of Certificate Of Compliance (COS's) for Generation Companies , Qualified End-Users and Entities with Self –Generation Facilities	Upon Completion
Permit To Operate	Pursuant to Section 1, Rule XIX of the Implementing Rules and Regulations (IRR) of Clean Air Act (RA8749)	Upon Completion
Schedule of Maintenance/ Monitoring Activities	Schedule of Warranty Maintenance Service / Preventive Maintenance	Upon Completion
Monthly Service Report	Actual activities undertaken in the performance of warranty maintenance service	Within 5 days after conduct of monthly service
Factory Witness & Acceptance Test Certification	Actual activities undertaken in the performance of Factory Witness & Acceptance Test based on standard including among others of the following: a. at 50% load , 1 hour b. at 75% load , 1 hour c. at 100% load , 1 hour d. at 100% shock load , 1 hour running of the Genset	Within 30 days after conduct of Test

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	e. alternator test f. fuel consumption test g. seismic / vibration test	
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VI. Estimated Project Cost:

The estimated total project cost is PESOS: Forty Eight Million (P 48,000,000.00) inclusive of VAT, broken down as follows:

Particulars	Unit Cost	Total Cost
Two (2) units 1600kW Generator Set including the following : a. Municipality Mechanical Permit b. DENR Permit To Operate c. ERC Certificate Of Compliance	Php 20,000,000.00	Php 40,000,000.00
One (1) Lot Total Installation and Labor Cost	Php 7,000,000.00	Php 7,000,000.00
Rental for 2500kVA / 2000kW Generator Set service unit during installation Brand New Generator Sets	Php 1,000,000.00	Php 1,000,000.00
Grand Total Cost (VAT Inclusive)		Php 48,000,000.00

All payments shall be subject to LANDBANK's standard accounting and auditing rules and regulations.

VII. Supplier Qualification Requirements:

Qualification	Documentary Requirement/s
1. Prior to the bidding proper, interested contractors must conduct inspection, verification, and overall project assessment.	<ul style="list-style-type: none"> • Submit Certificate of Inspection (CI) issued by the LANDBANK - Facilities Management Department (FMD). Non-inspection/submission of CI will result to outright disqualification of the bid
2. Must be authorized distributor and service center of the offered product.	<ul style="list-style-type: none"> • Manufacturer's Authorization or Back-to-Back Certification to prove that the bidder is an authorized seller / distributor of the offered product and / or other supporting documents to satisfy the said requirements.
3. Must have minimum of Fifteen (15) years-experience in selling and servicing of Generator Sets in the Philippines	<ul style="list-style-type: none"> • Submit at least ten (10) Purchase Orders or Contracts from the year 2003 to Present • Submit at least ten (10) list of clients with addresses, contact persons and telephone numbers

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customers / clients	satisfactory performance issued by at least 3 major clients of High Rise Building or at total genset load capacity of 6.4 Mega Watts (e.g., BPO's, hospitals, banks, commercial establishments, condo, malls, power plants, government offices) using the brand being offered
<p>5. Must have the following mandatory requirements :</p> <ul style="list-style-type: none"> a. In-house electrical and mechanical shop b. In-house load bank at 1,600kW minimum c. Parts inventory for consumables and emergency repair/ major overhauling d. 24 hours service engineer/crew for emergency repair. 	<ul style="list-style-type: none"> • Certificate of availability <div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px; margin-left: 20px;"> <p>Submit the list subject to verification of FMD</p> </div>
6. Must have highly trained technicians who are its regular employees and certified by a DOLE – accredited Testing Organization for Heavy Equipment	<ul style="list-style-type: none"> • Submit at least five (5) names of regular employed technicians with a copy of license and corresponding certificate
<p>7. Must have at least one (1) each of the following personnel:</p> <ul style="list-style-type: none"> • Electrical Engineer • Mechanical Engineer • Project Supervisor • Assistant Supervisor • Safety Officer 	<ul style="list-style-type: none"> • Submit copies of employment certificate and corresponding license / competency certificate
8. The specifications of the offered product complete product shall be verifiable from the website of the manufacturer	<ul style="list-style-type: none"> • Print out of the Homepage of the manufacturer's website showing the URL (web address). The offered products and its technical specifications must be in the manufacturer's website
9. The offered product or its manufacturer must be authorized and certified by the approving / governing body	<ul style="list-style-type: none"> • Underwriters Laboratories (UL) or European Conformity (EC) Certification. • Bureau of Product Standards (PS) and ISO certification

VIII. Manner of Payment:

Percentage vs Approved Contract Price	Condition
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30%	Upon complete installation of one (1) unit Generator Set
30%	Upon complete installation of another one (1) unit Generator Set
30%	Upon final load testing and commissioning of two (2) units Generator Sets
10 %	a. City Mechanical Permit to Operate b. DENR Permit To Operate c. ERC Certificate Of Compliance

IX. Other Terms and Conditions:

1. All incidental expenses for the servicing of the installed Gen-Set within the warranty period shall be borne by the Gen-Set contractor at no extra cost on the part of the Bank.
2. The winning contractor/supplier/service provider shall:
 - a. Coordinate with FMD for schedules and project briefing. Work authorization permit must be secured from FMD prior to any mobilization.
 - b. Provide its workers with the required personal protective equipment and appropriate tools in the implementation of the project in compliance with Environmental Management System (EMS) Program of the Bank in accordance with ISO 14001.
 - c. Conform to the provisions (latest edition) of the Philippine Mechanical, Electrical and Building Codes, the Clean Air Act, Environmental Laws and other applicable laws and regulations.
 - d. Be liable and solely responsible for any harm, damage and injury that may be incurred or suffered by its own crew/workers or any other person in the implementation of the project and to any damage to the Bank's property arising from the acts whether partial, contributory or due entirely to the fault, negligence and/or dishonesty of its workers in the course of their duties.
 - e. Maintain cleanliness at all times. It shall be responsible for the collection and proper disposal - outside of the Bank premises, of all waste materials resulting from any activity related to the implementation of the project, in compliance with the requirements of the covering policies, rules and regulations of the Department of Environment and Natural Resources (DENR) and the Environmental Management Bureau (EMB).
 - f. Be bounded by and shall strictly observe the Bank's existing rules and regulations with regards to the standard security policies and procedures while in the premises.
4. The winning contractor shall secure a Comprehensive General Liability Insurance (CGLI) and Personal Insurance to be submitted to LBP upon issuance of Notice to Proceed/Purchase Order (PO) and prior to actual implementation of the project.

CGLI shall cover the following:

a. Bodily injured liability

>Each person	Php 50,000.00
>Each accident	Php 50,000.00
>Each period of indemnity	Php 50,000.00

b. Property damage liability

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>Each person	Php 50,000.00
>Each accident	Php 50,000.00
>Each period of indemnity	Php 50,000.00

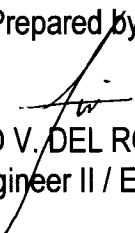
c. Maximum aggregate limit

>Contract amount under this project per bid offered by the winning contractor.

VII. Contacts Persons:

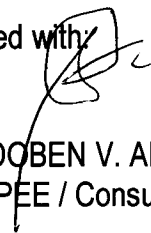
For further information, you may get in touch with any of the undersigned at Tel Nos.(02) 551-2200 and 405-7360

Prepared by:

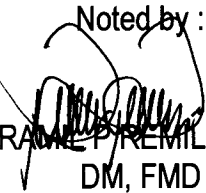

ENRICO V. DEL ROSARIO
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Reviewed and Concurred with:


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Noted by :


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DM, FMD