



LANDBANK

SERVING THE NATION

**SUPPLEMENTAL/BID BULLETIN NO. 1
For LBP-HOBAC-ITB-GS-20220407- 01**

PROJECT : **Generator Sets for the following LANDBANK Offices:
Lot 1 – Davao Corporate Center Office Building
Lot 2 – Don Carlos Branch
Lot 3 – Maramag Branch
Lot 4 – Trece Martires Branch**

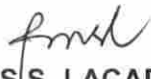
IMPLEMENTOR : **HOBAC Secretariat**

DATE : **June 10, 2022**

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) The bidder/s are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) The Terms of Reference (Annexes D-1 to D-26), Bid Data Sheet (ITB Clause 5.3 of Section III), Technical Specifications (Section VII), and Checklist of Bidding Documents (Item 12 of Technical Documents and Items 19.1 & 19.2 of Other Documents to Support Compliance with Technical Specifications) have been revised. Please see attached revised Annexes D-1 to D-26 and specific sections of the Bidding Documents.
- 3) Attached summary of changes from the Terms of Reference per Annexes H-1 to H-3


REMEDIOS S. LACADEN
Officer-In-Charge
HOBAC Secretariat

Project : ITB-GS-20220407-01

Subject : Bid Bulletin No. 1

For Lot 1: Supply, Delivery, Installation of One (1) unit 440kW/550kVA and One (1) unit 320kW/400kVA Standby Generator Set at Generator Set Room for the proposed LANDBANK Davao Corporate Center.

1. Item IV. Scope of the Project and Delivery Time/Completion Schedule

From		To	
Permits and Licenses	<ul style="list-style-type: none"> Acquisition of DENR Permit, Mechanical Permit to Install and Operate (Generator Set), Certificate of Compliance (COC) from the Energy Regulatory Commission (ERC) and other necessary permits/legal requirements for the installation and operation of the Gen-Set. 	Permits and Licenses	<ul style="list-style-type: none"> Mechanical Permit to Install and Operate (Generator Set), Certificate of Compliance (COC) from the Energy Regulatory Commission (ERC) and other necessary permits/legal requirements for the installation and operation of the Gen-Set.
Testing and Commissioning	<ul style="list-style-type: none"> Actual visit for Factory Witness & Acceptance Test (FWAT) based on standard including among others of the following : <ol style="list-style-type: none"> at 0% load , 30 mins at 25% load , 30 mins at 50% load , 30 mins at 75% load , 30 mins at 100% load , 1 hour at 100% shock load , 3 hours running of the Genset shaker / vibration test alternator test validation fuel consumption test Final Testing and Commissioning <ol style="list-style-type: none"> at 50% load of the building , 1 hour at 75% load of the building , 1 hour at 100% load of the building , 1 hour <p>Note:</p> <ul style="list-style-type: none"> Submit the comprehensive test report, specify the engine and alternator serial number Submit pictures and videos during of the actual load testing 	Testing and Commissioning (Witnessed by PMED Representative)	<ul style="list-style-type: none"> Actual visit at supplier/maker's warehouse for Load Testing based on standard including among others of the following: <ol style="list-style-type: none"> at 0% load, 30 mins at 25% load, 30 mins at 50% load, 30 mins at 75% load, 30 mins at 100% load, 1 hour at 100% shock load, 3 hours running of the Genset shaker / vibration test alternator test validation fuel consumption test Final Testing and Commissioning: <ol style="list-style-type: none"> at 50% load of the building, 1 hour at 75% load of the building, 1 hour at 100% load of the building, 1 hour <p>Note:</p> <ul style="list-style-type: none"> Submit the comprehensive test report, specify the engine and alternator serial number Submit pictures and videos during of the actual load testing

ANNEX H-1

2. Item VI. Submittals:

As-built plans (signed and sealed by PME) – 3 sets	Plans showing the locations of generator set requirements for issuance of city Mechanical Permit and DENR Permit to Operate	Within 15 days upon acceptance of Factory Load Test	Seven (7) sets of As-Built Plans and Bill of Materials (signed and sealed by PME)	Complete Mechanical As-Built Plans	Within 15 days upon Final Testing at the project Site
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3. Item VII. Supplier Qualification Requirements:

Certification of Inspection (CI) shall be submitted by the interested contractor as required in VII. **Supplier Qualification Requirements item 1.**

<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 500kW 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 <p style="text-align: center;">Subject to verification of PMED</p>	<p>5. Must have the following mandatory requirements :</p> <ul style="list-style-type: none"> a. In-house/manufacturer electrical and mechanical shop b. In-house/manufacturer load bank at 500kW 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 <p style="text-align: center;">Subject to verification of PMED</p>
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4. Item VIII. Manner of Payment Schedule of Partial Payments:

From	To								
<p>1. Request for payment shall be processed after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Bank's Procurement Department.</p> <p>2. Partial payment may be allowed upon request of the supplier stating justifiable reason/s subject to evaluation and recommendation of PMED and subject to the Bank's accounting rules and regulation, based on the schedule below:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 15%;"></td> <td>Documentary Requirement</td> </tr> <tr> <td>90% of Payment</td> <td> <ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals </td> </tr> </table>		Documentary Requirement	90% of Payment	<ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals 	<p>1. Request for payment shall be processed after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Bank's Procurement Department.</p> <p>2. Partial payment may be allowed upon request of the supplier stating justifiable reason/s subject to evaluation and recommendation of PMED and subject to the Bank's accounting rules and regulation, based on the schedule below:</p> <p>3. Retention fee shall be recommended by PMED once the supplier has already submitted the service reports for the warranty services.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 15%;"></td> <td>Documentary Requirement</td> </tr> <tr> <td>90% of Payment</td> <td> <ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals </td> </tr> </table>		Documentary Requirement	90% of Payment	<ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals
	Documentary Requirement								
90% of Payment	<ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals 								
	Documentary Requirement								
90% of Payment	<ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals 								

10% of Payments	<ul style="list-style-type: none"> a. Complete As-Built Mechanical Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. DENR Permit to Operate d. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt 	10% of Payments	<ul style="list-style-type: none"> a. Complete As-Built Mechanical Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt
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For Lots 2 to 4:

1. Item IV. Payment Terms

From			To	
1. Request for payment for every completed project/installation shall be entertained after the final turn-over and acceptance of the project and upon submission of complete billing documents as required by the Procurement Department. 2. Manner of Payment shall be based on the following:			1. Request for payment shall be processed after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Bank's Procurement Department. 2. Partial payment may be allowed upon request of the supplier stating justifiable reason/s subject to evaluation and recommendation of PMED and subject to the Bank's accounting rules and regulation, based on the schedule below: 3. Retention fee shall be recommended by PMED once the supplier has already submitted the service reports for the warranty services.	
Deliverables	Documents to be submitted	Percentage of Payment	Documentary Requirement	
Upon 100% completion and acceptance of the project	<ul style="list-style-type: none"> a. Load Test Report b. Schedule of Maintenance c. Warranty Certificate d. Guarantee Certificate e. Certificate of Training Certificate of Completion g. Manuals 	90%	90% of Payment	<ul style="list-style-type: none"> a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals
	<ul style="list-style-type: none"> a. As-Built Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt 	7%	10% of Payments	<ul style="list-style-type: none"> a. Complete As-Built Mechanical Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt
Retention Fee: After 1 year of final turnover of the Project	Service Reports that the contractor conducted the warranty servicing	3%		
TOTAL		100%		

TERMS OF REFERENCE

Lot 1

I. Project Description:

Two (2) lot – Supply, delivery and installation of One (1) unit 440kW/550kVA and One (1) unit 320kW/400kVA Standby Generator Set at Generator Set Room, at LANDBANK Davao Corporate Center, #7 Palm Drive, Corner Olive Road, Bajada, Davao City, Davao Del Sur. Together with the supply of technical supervision, labor, tools, materials and equipment complete with standard accessories.

II. Objective:

To provide emergency power at LANDBANK Davao Corporate Center with one (1) brand new 440kW/550kVA and one (1) brand new 320kW/400kVA Generator Set to serve as exclusive back-up power supply for the building.

III. Technical Specification:

A. 440kW/550kVA Generator Set

<i>Standby Power Rating</i>	440kW/550kVA at 0.8 power factor (pf), With Silent Type Enclosure	
<i>Rated Voltage</i>	220 Volts (V) (minimum to maximum)	
<i>Frequency (Hertz)</i>	60 Hertz (Hz)	
<i>Number of Phase</i>	Three (3)	
<i>Engine</i>	Prime Mover Compression Ratio No. of Cylinders Type No. of Stroke Bore x Stroke Displacement Rated Speed Governor Aspiration Cooling System Starting system	600 – 800 Hp (min-max) 17:1 (maximum) 6 In-Line – Configuration Diesel Engine 4- Stroke- Cycle 125 to 160 mm x 150 to 180 mm (minimum to maximum) 11 to 20 L (minimum to maximum) 1800 revolution per minute (rpm) Mechanical / Electronic Turbocharged Air to Air After cooled Radiator-Water Cooled Electric
<i>Alternator</i>	Rated Output Type Insulation Voltage Regulator Stator No. of Bearing	500kVA Self-excited, brushless alternator Class H Automatic Voltage Regulator Single or Double Bearing

CLASS D

<i>Engine Electrical System</i>	Battery charging alternator	Ground (negative/positive) Volts (DC) – 24 V Ampere Rating – 30 to 45 A Starter Motor voltage (DC)— 24V Battery , recommended cold cranking Battery Voltage (DC) – 12V
<i>Fuel System</i>	Recommended Fuel Fuel Injection	Diesel Mechanical Direct Injection or Electronics Injection
<i>Engine Fuel Consumption</i>	At 100 % load with fan At 75 % load with fan At 50 % load with fan	90 to 130 L/hr (minimum to maximum) 60 to 100 L/hr (minimum to maximum) 40 to 70 L/hr (minimum to maximum)
<i>Exhaust System</i>	Stainless Steel exhaust flex, gaskets, rain cap and Society of Automotive Engineering (SAE) exhaust flange	
<i>Control Panel</i>	Digital Metering Engine Complete Parameters (kW, kVA, rpm, Volts, Battery Voltage Drop, Amperes, Temperature, Pressure, etc.) Generator Protection Functions Engine Protection Operating Hours	
<i>Dimension (Lx W x H)</i>	Length – 4 to 6 meters; Width – 1.5 to 2.5; Height - 1.5 to 2.5 (minimum to maximum)	
<i>Weight (w/o fuel tank)</i>	6,000 kgs (maximum)	
<i>Standard Accessories</i>	<ul style="list-style-type: none"> • 5A battery charger • Residential exhaust silencer • Flexible exhaust connector • Set mounted control panel with controller • Droop Kit • Repair Kit • Resiliently mounted on a common base skid • Racor fuel / water separator • Lead acid starting battery • Operations Manual • Vibro Spring Pad Insulator (Heavy Duty) 6 pcs (minimum) 	
<i>Emission</i>	Environmental Protection Agency (EPA) Certified or Emission Test Compliance Certificate Under Clean Air Act Limits (CAA) limits of the following chemicals : <ul style="list-style-type: none"> • Sulfur Oxide (So²) 1,500 mg/Ncm at maximum • Nitrogen Oxide (NO²) 2,000 mg/Ncm at maximum • Carbon Monoxide (CO) 500 mg/Ncm at maximum 	

B. 320kW/400kVA Generator Set

<i>Standby Power Rating</i>	320kW/400kVA at 0.8 power factor (pf), With Silent Type Enclosure	
<i>Rated Voltage</i>	220 Volts (V) (minimum to maximum)	
<i>Frequency (Hertz)</i>	60 Hertz (Hz)	
<i>Number of Phase</i>	Three (3)	
<i>Engine</i>	Prime Mover Compression Ratio No. of Cylinders Type No. of Stroke Bore x Stroke Displacement Rated Speed Governor Aspiration Cooling System Starting system	500 – 700 Hp (min-max) 17:1 (maximum) 6 In-Line – Configuration Diesel Engine 4- Stroke- Cycle 125 to 150 mm x 150 to 170 mm (minimum to maximum) 11 to 20 L (minimum to maximum) 1800 revolution per minute (rpm) Mechanical / Electronic Turbocharged Air to Air After cooled Radiator-Water Cooled Electric
<i>Alternator</i>	Rated Output Type Insulation Voltage Regulator Stator No. of Bearing	400kVA Self-excited, brushless alternator Class H Automatic Voltage Regulator Single or Double Bearing
<i>Engine Electrical System</i>	Battery charging alternator	Ground (negative/positive) Volts (DC) – 24 V Ampere Rating – 30 to 45 A Starter Motor voltage (DC)— 24V Battery, recommended cold cranking Battery Voltage (DC) – 12V
<i>Fuel System</i>	Recommended Fuel Fuel Injection	Diesel Mechanical Direct Injection or Electronics Injection
<i>Engine Fuel Consumption</i>	At 100 % load with fan At 75 % load with fan At 50 % load with fan	60 to 95 L/hr (minimum to maximum) 40 to 85 L/hr (minimum to maximum) 30 to 65 L/hr (minimum to maximum)
<i>Exhaust System</i>	Stainless Steel exhaust flex, gaskets, rain cap and Society of Automotive Engineering (SAE) exhaust flange	
<i>Control Panel</i>	Digital Metering Engine Complete Parameters (kW, kVA, rpm, Volts, Battery Voltage Drop, Amperes, Temperature, Pressure, etc.) Generator Protection Functions Engine Protection Operating Hours	
<i>Dimension (Lx W x H)</i>	Length – 4 to 6 meters; Width - 1 to 2; Height - 1.5 to 2.5 (minimum to maximum)	

CLASS D

Weight (w/o fuel tank)	5,000 kgs (maximum)
Standard Accessories	<ul style="list-style-type: none"> • 5A battery charger • Residential exhaust silencer • Flexible exhaust connector • Set mounted control panel with controller • Droop Kit • Repair Kit • Resiliently mounted on a common base skid • Racor fuel / water separator • Lead acid starting battery • Operations Manual • Test Port 2 pcs (maximum) • Vibro Spring Pad Insulator (Heavy Duty) 6 pcs (minimum)
Emission	<p>Environmental Protection Agency (EPA) Certified or Emission Test Compliance Certificate</p> <p>Under Clean Air Act Limits (CAA) limits of the following chemicals:</p> <ul style="list-style-type: none"> • Sulfur Oxide (So²) 1,500 mg/Ncm at maximum • Nitrogen Oxide (NO^x) 2,000 mg/Ncm at maximum • Carbon Monoxide (CO) 500 mg/Ncm at maximum

IV. Scope of the Project and Delivery Time/Completion Schedule

Particular	Description
Permits and Licenses	<ul style="list-style-type: none"> • Mechanical Permit to Install and Operate (Generator Set), Certificate of Compliance (COC) from the Energy Regulatory Commission (ERC) and other necessary permits/legal requirements for the installation and operation of the Gen-Set.
Mobilization	<ul style="list-style-type: none"> • Mobilize of manpower including tools, materials and equipment
Installation	<p>MECHANICAL WORKS – Supply, Delivery and Installation of :</p> <ul style="list-style-type: none"> • One (1) unit brand new Generator Sets, and other accessories (e.g. Muffler, Ducting, and other attachments) including lifting, hauling, rigging, mounting and alignment from drop off point to its designated location at Generator Set Room. • 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. • Gauge #18 radiator ducting complete with canvass cloth, stiffeners, brackets, hangers, Stainless Steel wire mesh and supports.

CLASS D

	<p>ELECTRICAL WORKS – Supply, Delivery and Installation of :</p> <ul style="list-style-type: none"> • 1 x 30 mm² bare copper wire per Generator Set to be provided ground tapping point within the generator room. • 4 sets of (3-125 mm² THHN) Rated power cables from 400kVA Generator Set going to Automatic Transfer Switch in 80mmØ IMC • 6 sets of (3-125 mm² THHN) Rated power cables from 550kVA Generator Set going to Automatic Transfer Switch in 80mmØ IMC • Long barrel, crimp type cable terminal lugs at each end of each run of power cables <p>CIVIL WORKS</p> <ul style="list-style-type: none"> • Removal of any obstruction on the pathway of Gen-Set prior to hauling and rigging. Restoration of any damaged finishes and/or concrete structures.
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 (Witnessed by PMED Representative)	<ul style="list-style-type: none"> • Actual visit at supplier/manufacturer's warehouse for Load Testing based on standard including among others of the following: <ol style="list-style-type: none"> a. at 0% load, 30 mins b. at 25% load, 30 mins c. at 50% load, 30 mins d. at 75% load, 30 mins e. at 100% load, 1 hour f. at 100% shock load, 3 hours running of the Genset g. shaker / vibration test h. alternator test validation i. 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 <p>Note:</p> <ul style="list-style-type: none"> • Submit the comprehensive test report, specify the engine and alternator serial number • Submit pictures and videos during of the actual load testing
Work Completion	<ul style="list-style-type: none"> • One Hundred Fifty Days (150) Calendar Days upon receipt of Notice To Proceed
Installation/Work Schedule	<ul style="list-style-type: none"> • Mondays – Sundays in coordination with PMED
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

	<ul style="list-style-type: none"> • 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 PMED. • Change oil 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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V. Terms and Conditions:

1. All electrical wires from Automatic Transfer Switch (ATS) to Generator Set should pass the insulation resistance (megger) test.
2. 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 such as existing fuel pipeline tapping point and main gate valve fuel of pipeline only.
3. Response time for all service calls for repairs and /or maintenance works shall be within 24 hours upon receipt of notification call from PMED.
4. Conduct the appropriate operator's training to the LANDBANK technical personnel on the proper operation and maintenance of the Generator Set.
5. All incidental expenses for the servicing of the installed Generator Set within the warranty period shall be borne by the contractor at no extra cost on the part of the Bank.
6. The winning contractor/supplier/service provider shall:
 - a. Coordinate with PMED for schedules and project briefing. Work authorization permit and health declaration papers with company ID's issued by the winning contractor must be secured from PMED 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.
7. The winning service provider/ contractor must submit the copy of Comprehensive General Liability Insurance (CGLI) and Personal Insurance to LBP upon issuance of Notice to Proceed (NTP)/Purchase Order (PO) prior to the start of the project.

VI. Submittals:

Item	Description	Submission Date
Product Brochure with Underwriters Laboratories (UL), European Conformity (EC) Certification or ISO Certification 9001:2015	<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 Certificate/Policy	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 project
Factory and 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 0% load , 30 mins b. at 25% load , 30 mins c. at 50% load , 30 mins d. at 75% load , 30 mins e. at 100% load , 1 hour f. at 100% shock load , 3 hour running of the Genset	Within 30 days after conduct of Factory Load Test
Seven (7) sets of As-Built Plans and Bill of Materials (signed and sealed by PME)	Complete Mechanical As-Built Plans	Within 15 days upon Final Testing at the project site
Load Test Report	Comprehensive report containing the electrical (insulation test result/ report) and mechanical parameters of the generator sets via blue print and USB soft copy	Upon completion of installation ,final testing and commissioning
Warranty Certificate	Warranty Certificate for one year	Within 3 days after final testing and commissioning
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	Within 3 days after final testing and commissioning

CLASS D

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 (COC) for Generation Companies , Qualified End-Users and Entities with Self –Generation Facilities	Within 30 days after final testing and commissioning
Permit To Operate (PTO)	Pursuant to Section 1, Rule XIX of the Implementing Rules and Regulations (IRR) of Clean Air Act (RA8749)	Within 30 days after final testing and commissioning
Monthly Service Report	Actual activities undertaken in the performance of warranty maintenance service in 12 months or 1 year	After conduct of service

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"> • Certificate of Inspection (CI) issued by the LANDBANK – Project Management and Engineering Department (PMED) five (5) banking/working (8:00 AM- 5:00 PM) days before opening of bid 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 Ten (10) 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 2012 to present • Submit at least ten (10) list of clients with addresses, contact persons and telephone numbers
4. Must be satisfactorily rated by previous customers / clients	<ul style="list-style-type: none"> • Submit at least three (3) Certificates of satisfactory performance issued by at least 3 major clients of Medium to High Rise Building or at minimum genset load capacity of 500 kW (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/manufacturer electrical and mechanical shop b. In-house/manufacturer load bank at 500kW 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 <p style="text-align: center;">} Subject to verification of PMED</p>
<p>6. Must have highly trained technicians who are its regular employees</p>	<ul style="list-style-type: none"> • Submit at least five (5) names of regular employed technicians with a copy of their Curriculum Vitae and Certificate of Employment
<p>7. Must have at least one (1) each of the following personnel:</p> <ul style="list-style-type: none"> • Mechanical Engineer • Project Supervisor 	<ul style="list-style-type: none"> • Submit copies of employment certificate and corresponding PRC license/ competency certificate
<p>8. The specifications of the offered product complete product shall be verifiable from the website of the manufacturer</p>	<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
<p>9. The offered product or its manufacturer must be authorized and certified by the approving / governing body</p>	<ul style="list-style-type: none"> • Underwriters Laboratories (UL), European Conformity (EC) Certification or ISO Certification 9001:2015

VIII. Manner of Payment:

1. Request for payment shall be processed after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Bank's Procurement Department.
2. Partial payment may be allowed upon request of the supplier stating justifiable reason/s subject to evaluation and recommendation of PMED and subject to the Bank's accounting rules and regulation, based on the schedule below:
3. **Retention fee shall be recommended by PMED once the supplier has already submitted the service reports for the warranty services**

Schedule of Partial Payments:

	Documentary Requirement
1. 90% of Payment	a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals
2. 10% of Payments	a. Complete As-Built Mechanical Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt

IX. Contacts Persons:

For further information, you may get in touch with any of the ff:

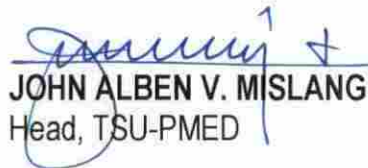
1. Engr. Andreane Maine C. Bactol – 8522-0000 loc. 2349 / 0917-311-6910
2. Engr. Gaskell T. Francia - 8522-0000 loc. 2349 / 0928-676-7305, 0927-646-9921
3. Engr. Christopher R. Odad – 8522-0000 loc. 2349 / 0977-647-9834

Prepared by:



ROEL EUGENE C. ELAZEGUI
 Engineer, TSU-PMED

Reviewed by:

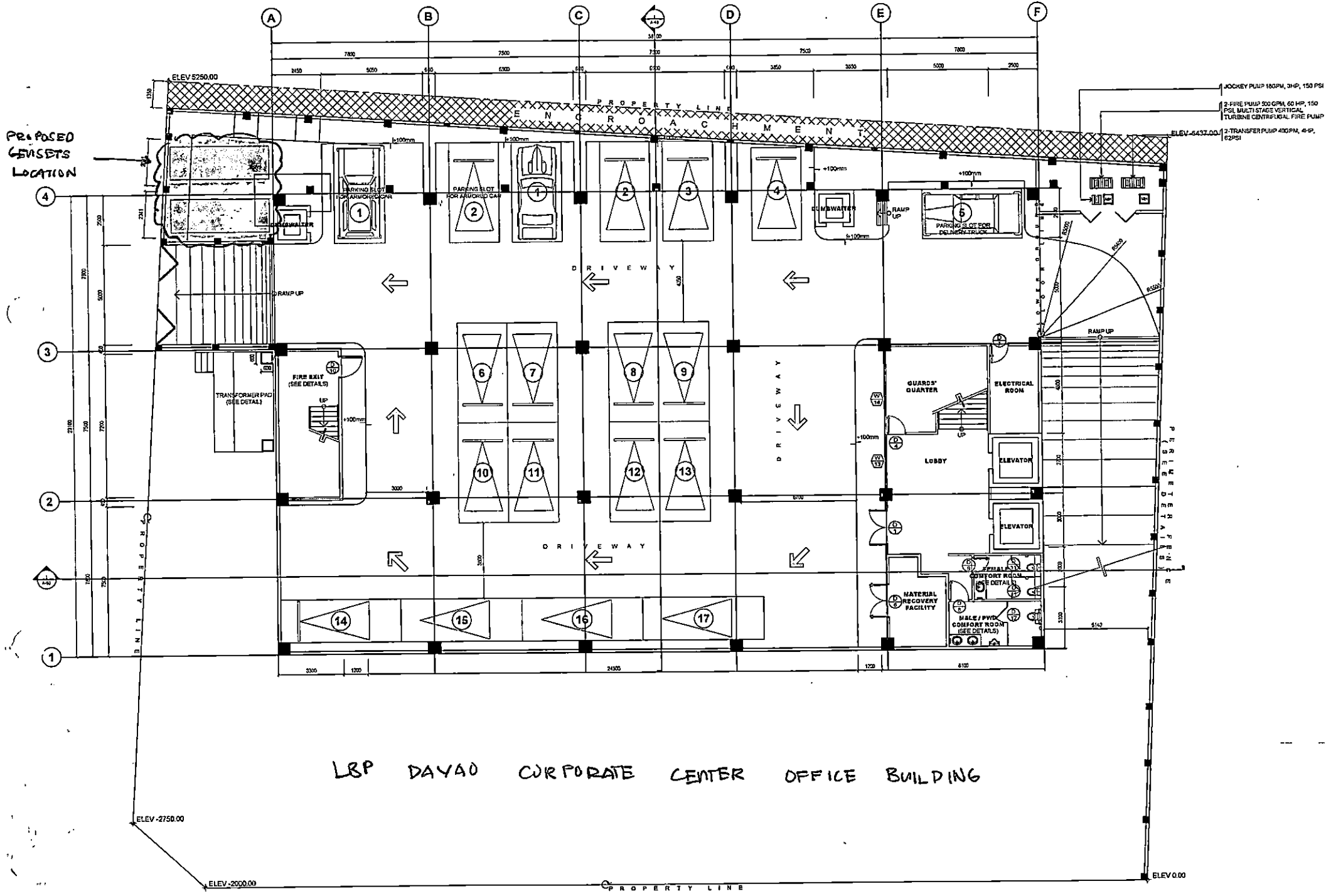


JOHN ALBEN V. MISLANG
 Head, TSU-PMED

Approved by:



ENRICO D.J. SAMANIEGO
 Head, PMED



PROPOSED
LENSETS
LOCATION

- 1 JOCKEY PUMP 100 GPM, 3HP, 150 PSI
- 2 FIRE PUMP 200 GPM, 60 HP, 150 PSI MULTI STAGE VERTICAL TURBINE CENTRIFUGAL FIRE PUMP
- 3 TRANSFER PUMP 400 GPM, 4HP, 62 PSI

LBP DAYAO CORPORATE CENTER OFFICE BUILDING

Revised Annex D-11

TERMS OF REFERENCE

A. Name and Description of the Project:

One (1) lot – Supply, Delivery, Installation, Testing and Commissioning of Generator set, complete with standard accessories per manufacturer’s standards for LANDBANK Don Carlos Branch.

including dismantling of existing unit. *H.*

B. Objective of the Project:

1. To provide continuous Banking operations during power failure
2. To protect various computers and office equipment

C. Scope of the Project and Delivery Time/Completion:

1. Supply, delivery and installation	<ul style="list-style-type: none"> ➤ Mobilization of manpower and equipment/tools at LANDBANK Don Carlos Branch, LANDBANK Bldg., Sayre Highway Poblacion Sur, Don Carlos, Bukidnon ➤ One (1) set of 60 kVA, Single Phase, 80% PF, 1800 rpm, 240VAC, Diesel Generating Unit ➤ Five (5) meters per line 2 sets of 2-38.0mm² THHN wire (Stranded) and 14.0mm² THHN Wire (Stranded) in 1 ½”mm dia. Liquid Tight Flexible Metallic Tubing ➤ Provide Safety Health Protocols as per required by the Local Government Unit (LGU) (e.g. Swab test, Certificate, etc.) ➤ Installation, testing and commissioning ➤ Cleaning-up works and demobilization ➤ For technical specifications: <ul style="list-style-type: none"> • 60kVA Generator Set with enclosure – see attachment
2. Installation Schedule	Monday to Sunday or per coordination with end-user/s
3. Installation Period	Sixty (60) calendar days upon receipt of Notice to Proceed (NTP) and advice from PMED as to availability of project site
4. I. Other Requirements II. Qualification and Documentary Requirements III. Billing Requirements IV. Payment Terms 5. Generator Set Load Test Report	See Annex A See Annex B

Prepared by:

C.R.O.
CHRISTOPHER R. ODAD
Engineer, MBG

Reviewed by:

R.M.D.
RICHARD MICHAEL DIMAPILIS
Team Leader, North NCRBG

Approved by:

E.D.S.
EMRICO DJ. SAMANIEGO
Head, PMED

Terms of Reference for the procurement of Generator Unit

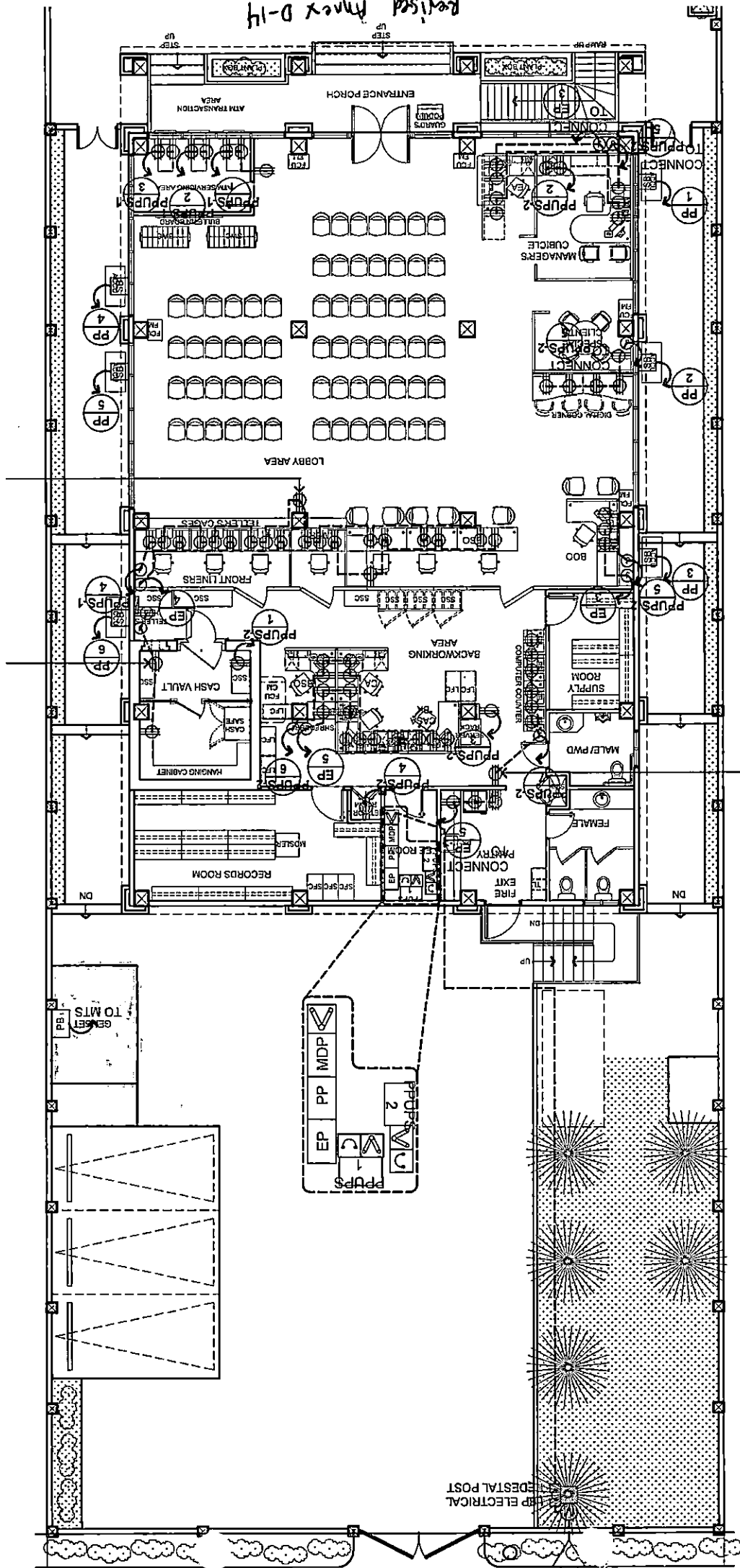
60 KVA Generator Set (Single Phase)

	PARTICULARS	UNIT	SPECIFICATION
ENGINE	Fuel Type		Diesel
	Fuel Consumption	Li/hr	16.0 (@ full load), max
	Running Hours (@ full load, @ full tank)	hr	7, min
	Starting System		Electric
	No. of Cylinders		Six (6) in-line, max
	Aspiration		Natural/Turbocharged
	Speed	rpm	1800
	No. of Cycle		Four (4)
	Cooling System		Water-cooled
	Rating/Capacity	kW	60, min
ALTERNATOR	Type		Brushless, self-regulating, self-exciting
	Rated Output (Standby)		60 kVA, min
	Frequency	Hz	60
	Voltage Regulation		1.5%, max
	Insulation Class		H
GENSET	Frequency	Hz	60
	Power Factor		0.8 - 1.0
	No. of Phase		Single
	Voltage	Volts	220 - 240
OTHER TECHNICAL REQUIREMENTS	Housing/Enclosure Type		Soundproof and weatherproof, Ga. #14 GI/BI plate, sound absorbing, heat retardant rebounded foam, oil resistant and heat retardant polyurethane foam, finished in baked/powder coat finish, with no accessible metering control outside except for the emergency push button engine stop.
	Control Panel Type		Digital automatic engine control module/panel, LCD display with a minimum of three point position rotary switch or scroll-type display mounted on the front panel with STOP MANUAL and AUTO positions. The following parameters are required: Frequency meter, Ameter, Voltmeter, Battery Indicator, Water Temperature Indicator Oil pressure Indicator, and Fuel Level Indicator.
	Exhaust System		Heavy-duty industrial capacity exhaust silencer muffler with suitable flanges and flexible section to connect between engine outlet muffler or standard absorption type and flexible exhaust pipe supplied loose.
	Standby Generator		Applicable for supplying electrical power (at variable load) in the event of public supply failure for the duration of the emergency. The generator set manufacturer as a whole must be ISO 9001:2000 GOEM certified

Revised TOR as of May 28, 2021

Revised Annex D-13

Revised Annex D-14



Don Carlos

EP ELECTRICAL
EDESTAL POST

TERMS OF REFERENCE

A. Name and Description of the Project:

One (1) lot – Supply, Delivery, Installation, Testing and Commissioning of Generator set, complete with standard accessories per manufacturer’s standards for LANDBANK Maramag Branch, including dismantling of existing unit. ~~ff~~


B. Objective of the Project:

1. To provide continuous Banking operations during power failure
2. To protect various computers and office equipment


C. Scope of the Project and Delivery Time/Completion:

1. Supply, delivery and installation	<ul style="list-style-type: none"> ➢ Mobilization of manpower and equipment/tools at LANDBANK Maramag Branch, LANDBANK Building, South Poblacion, Maramag, Bukidnon ➢ One (1) set of 50 kVA, Three Phase, 80% PF, 1800 rpm, 240VAC, Diesel Generating Unit ➢ Five (5) meters per line of 3-50.0mm² THHN wire (Stranded) and 14.0mm² THHN Wire (Stranded) in 50mm dia. Liquid Tight Flexible Metallic Tubing ➢ Provide Safety Health Protocols as per required by the Local Government Unit (LGU) (e.g. Swab test, Certificate, etc.) ➢ Installation, testing and commissioning ➢ Cleaning-up works and demobilization ➢ For technical specifications: <ul style="list-style-type: none"> • 50kVA Generator Set with enclosure – see attachment
2. Installation Schedule	Monday to Sunday or per coordination with end-user/s
3. Installation Period	Sixty (60) calendar days upon receipt of Notice to Proceed (NTP) and advice from PMED as to availability of project site
4. I. Other Requirements II. Qualification and Documentary Requirements III. Billing Requirements IV. Payment Terms 5. Generator Set Load Test Report	See Annex A See Annex B


Prepared by:


CHRISTOPHER R. ODAD
Engineer, MBG

Reviewed by:

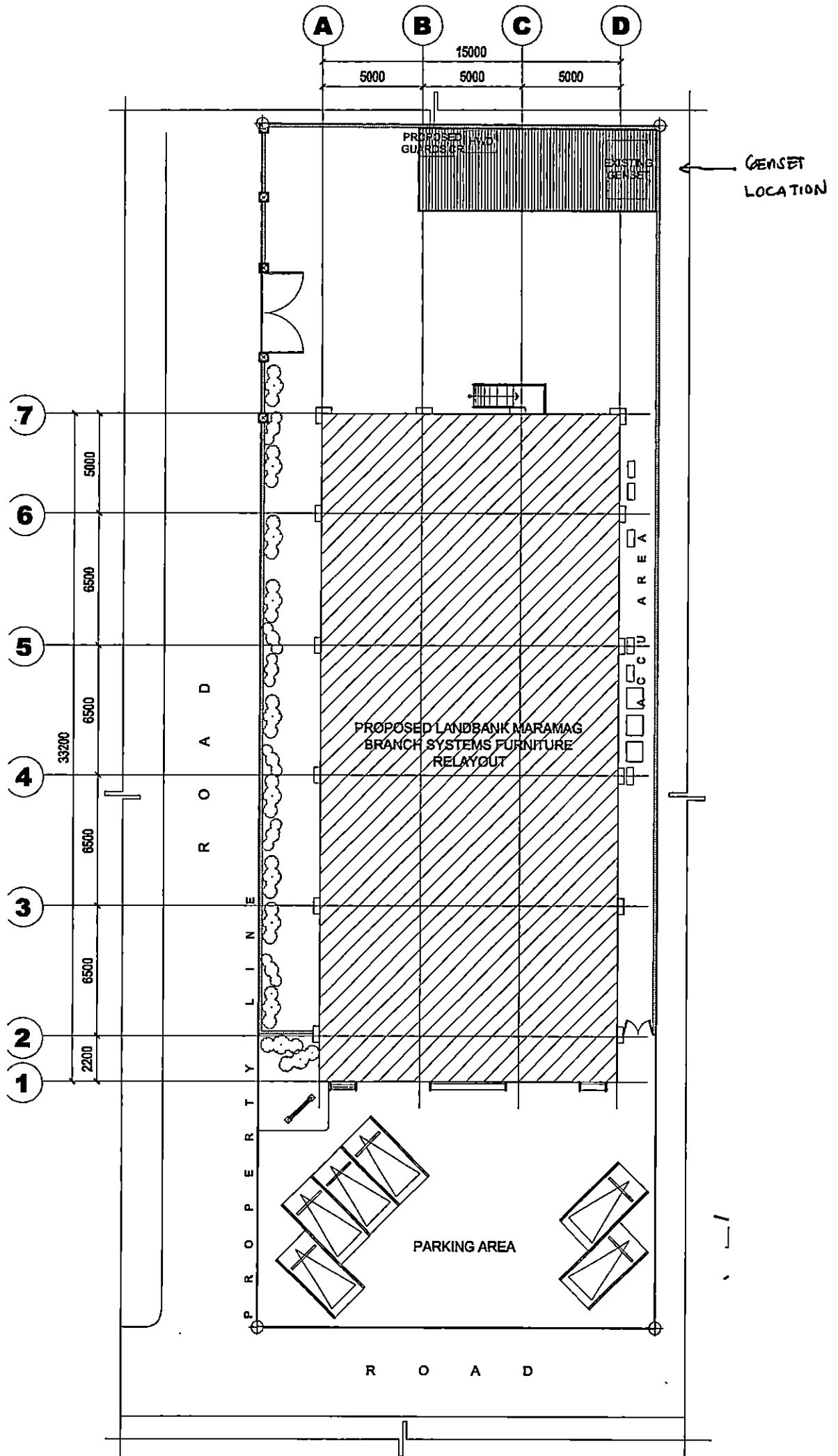

RICHARD MICHAEL DIMAPILIS
Team Leader, North NCRBG

Approved by:


ENRICO D.J. SAMANIEGO
Head, PMED

50 KVA Generator Set (Three Phase)

	PARTICULARS	UNIT	SPECIFICATION
ENGINE	Fuel Type		Diesel
	Fuel Consumption	Li/hr	13.0 (@ full load), max
	Running Hours (@ full load, @ full tank)	hr	7.0, min
	Starting System		Electric
	No. of Cylinders		Four (4), max
	Aspiration		Natural/Turbocharged
	Speed	rpm	1800
	No. of Cycle		Four (4)
	Cooling System		Water-cooled
	Rating/Capacity	kW	40, min
ALTERNATOR	Type		Brushless, self-regulating, self-exciting
	Rated Output (Standby)		50 kVA, min
	Frequency	Hz	60
	Voltage Regulation		1.5%, max
	Insulation Class		H
GENSET	Frequency	Hz	60
	Power Factor		0.8 - 1.0
	No. of Phase		Three
	Voltage	Volts	220 - 240
OTHER TECHNICAL REQUIREMENTS	Housing/Enclosure Type		Soundproof and weatherproof, Ga. #14 GI/BI plate, sound absorbing, heat retardant rebounded foam, oil resistant and heat retardant polyurethane foam, finished in baked/powder coat finish, with no accessible metering control outside except for the emergency push button engine stop.
	Control Panel Type		Digital automatic engine control module/panel, LCD display with a minimum of three point position rotary switch or scroll-type display mounted on the front panel with STOP MANUAL and AUTO positions. The following parameters are required: Frequency meter, Ameter, Voltmeter, Battery Indicator, Water Temperature Indicator Oil pressure Indicator, and Fuel Level Indicator.
	Exhaust System		Heavy-duty industrial capacity exhaust silencer muffler with suitable flanges and flexible section to connect between engine outlet muffler or standard absorption type and flexible exhaust pipe supplied loose.
	Standby Generator		Applicable for supplying electrical power (at variable load) in the event of public supply failure for the duration of the emergency. The generator set manufacturer as a whole must be ISO 9001:2000 GOEM certified



Raised Annex 0-17

TERMS OF REFERENCE

A. Name and Description of the Project:

One (1) lot – Supply, Delivery, Installation, Testing and Commissioning of Generator set, complete with standard accessories per manufacturer’s standards for LANDBANK Trece Martires Branch.


B. Objective of the Project:

1. To provide continuous Banking operations during power failure
2. To protect various computers and office equipment


C. Scope of the Project and Delivery Time/Completion:

<p>1. Supply, delivery and installation</p>	<ul style="list-style-type: none"> ➤ Mobilization of manpower and equipment/tools at LANDBANK Trece Martires Branch, Trece Martires-Indang Road, Luciano, Trece Martires City, Cavite ➤ One (1) set of 100 kVA, Single Phase, 80% PF, 1800 rpm, 240VAC, Diesel Generating Unit ➤ Five (5) meters per line of 2 sets of 2-80.0mm² THHN wire (Stranded) and 30.0mm² THHN Wire (Stranded) in 3" dia. Liquid Tight Flexible Metallic Tubing ➤ Provide Safety Health Protocols as per required by the Local Government Unit (LGU) (e.g. Swab test, Certificate, etc.) ➤ Installation, testing and commissioning ➤ Cleaning-up works and demobilization ➤ For technical specifications: <ul style="list-style-type: none"> • 100kVA Generator Set with enclosure – see attachment
<p>2. Installation Schedule</p>	<p>Monday to Sunday or per coordination with end-user/s</p>
<p>3. Installation Period</p>	<p>Sixty (60) calendar days upon receipt of Notice to Proceed (NTP) and advice from PMED as to availability of project site</p>
<p>4. I. Other Requirements II. Qualification and Documentary Requirements III. Billing Requirements IV. Payment Terms</p> <p>5. Generator Set Load Test Report</p>	<p>See Annex A</p> <p>See Annex B</p>

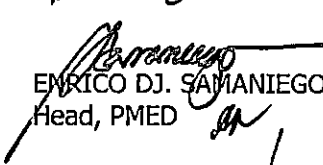
Prepared by:


CHRISTOPHER R. ODAD
Engineer, MBG

Reviewed by:


RICHARD MICHAEL DIMAPILIS
Team Leader, North NCRBG

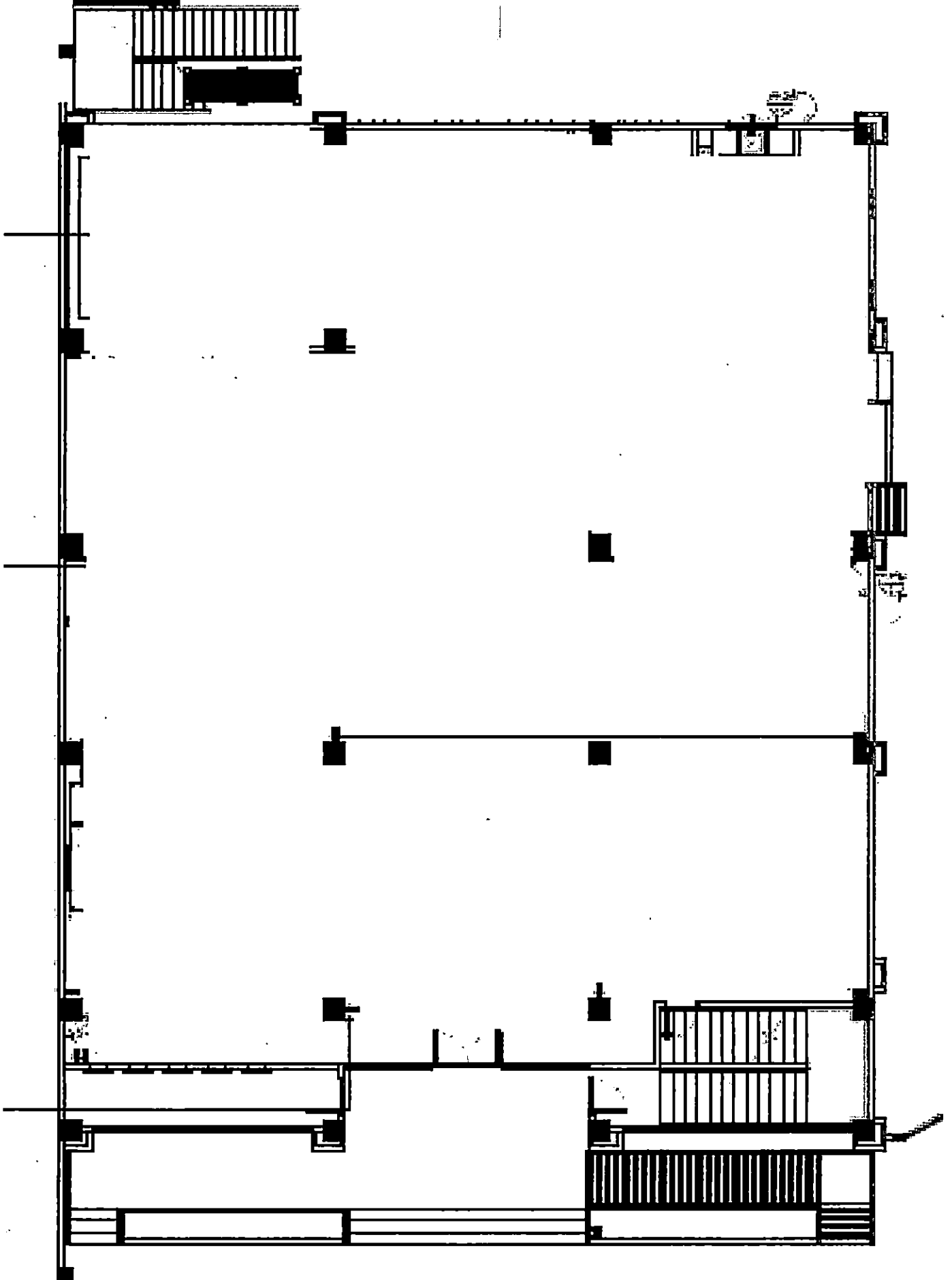
Approved by:


ENRICO D.J. SAVIANIEGO
Head, PMED

100 KVA Generator Set (Single Phase)

	PARTICULARS	UNIT	SPECIFICATION
ENGINE	Fuel Type		Diesel
	Fuel Consumption	Li/hr	30.0 (@ full load), max
	Running Hours (@ full load, @ full tank)	hr	4.5, min
	Starting System		Electric
	No. of Cylinders		Four (4), max
	Aspiration		Turbocharged
	Speed	rpm	1800
	No. of Cycle		Four (4)
	Cooling System		Water-cooled
Rating/Capacity	kW	80, min	
ALTERNATOR	Type		Brushless, self-regulating, self-exciting
	Rated Output (Standby)		100 kVA, min
	Frequency	Hz	60
	Voltage Regulation		1.5%, max
	Insulation Class		H
GENSET	Frequency	Hz	60
	Power Factor		0.8 - 1.0
	No. of Phase		Single
	Voltage	Volts	220 - 240
OTHER TECHNICAL REQUIREMENTS	Housing/Enclosure Type		Soundproof and weatherproof, Ga. #14 GI/BI plate, sound absorbing, heat retardant rebounded foam, oil resistant and heat retardant polyurethane foam, finished in baked/powder coat finish, with no accessible metering control outside except for the emergency push button engine stop.
	Control Panel Type		Digital automatic engine control module/panel, LCD display with a minimum of three point position rotary switch or scroll-type display mounted on the front panel with STOP MANUAL and AUTO positions. The following parameters are required: Frequency meter, Ameter, Voltmeter, Battery Indicator, Water Temperature Indicator Oil pressure Indicator, and Fuel Level Indicator.
	Exhaust System		Heavy-duty industrial capacity exhaust silencer muffler with suitable flanges and flexible section to connect between engine outlet muffler or standard absorption type and flexible exhaust pipe supplied loose.
	Standby Generator		Applicable for supplying electrical power (at variable load) in the event of public supply failure for the duration of the emergency. The generator set manufacturer as a whole must be ISO 9001:2000 GOEM certified

← GEORGETOWN LOCATION



LBP TRECE MARTIRES BRANCH

Revised Annex D-20

I. Other Requirements:

- a. Prospective bidders/contractors are encouraged to inspect, verify and assess the condition, location and details of the project;
- b. All works shall 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;
- c. In line with the Bank's Environmental Management System (EMS) program and being an ISO 14001 certified institution, the winning contractor/supplier are required to use appropriate equipment, hand tools and personal protective gears and equipment during the implementation of project;
- d. Genset shall be installed in approximate location as shown in the mechanical/electrical layout;
- e. Any proposed change or deviation from the original mechanical/layout plans or specifications either initiated by the mechanical contractor, the end-user or due to actual site condition, must be submitted to LBP-PMED (in the form of shop drawings) for approval prior to implementation;
- f. The Genset contractor should coordinate his works closely with the works of other trades concerned;
- g. Installation of works shall be done in neat workmanship and like manners. All improperly set works, rough finishes or other works not in accordance with the approved layouts and scope of works as determined by the LBP-PMED engineer or technical representative/s shall be removed and replaced within seven (7) calendar days by the Genset contractor at no extra cost;
- h. The Genset contractor shall provide all the necessary components or accessories, e.g., brackets, clamps, fasteners, etc., to ensure the safe, normal and efficient operation of the installed Genset;
- i. The Genset contractor shall properly account and turn-over all dismantled/ replaced materials to the Branch Head or its authorized representative/s;
- j. The Genset contractor shall exercise extreme caution and be responsible in the hauling/transfer, installation, testing and commissioning of the equipment to prevent damage to Bank properties. The corresponding cost to repair or replace the Bank equipment, facilities including parts and components damaged or lost by the Genset contractor or its workers during the course of the project shall be deductible/chargeable to the Genset contractor;
- k. The Genset contractor shall be liable for any harm, damage or injury that may be sustained or suffered by its own crew/workers while in the performance of their duties/job under this project;
- l. The Genset contractor shall be held directly responsible for any injury to person and/or damage to Bank's property arising from the act, whether partial, contributory, or due entirely to the fault, negligence and/or dishonesty of the contractor's personnel in the course of their duties;
- m. The Genset contractor shall maintain cleanliness of all workplace at all times. They shall clean the affected areas immediately after each workday;
- n. The Genset contractor shall conduct familiarization seminar/training to orient the end-user on the basic concept, functions, operation and maintenance of the equipment installed;
- o. The Genset contractor is required to submit the names of its worker who will conduct or inspect the installation. As maybe required, identification cards shall be presented;

Terms of Reference for the procurement of Generator Unit

- p. The Genset contractor or its engineer/foreman shall coordinate with the Branch Head or its authorized representative/s to discuss the work activities prior to implementation of this project;
- q. The Genset contractor shall strictly observe the Bank's existing rules and regulations and shall be subject to the Bank's standard security policies and procedures while inside the LBP premises;
- r. The following set of tools shall be given by the Genset contractor to the Branch Head:
 - o One (1) set of adjustable wrench (open);
 - o One (1) set screwdriver (flat and cross);
 - o One (1) set pliers (flat and longnose);
 - o One (1) vice grip;
 - o One (1) filter wrench
- s. Payment of construction bond (if applicable) shall be charged on the account of the Genset contractor;
- t. It is understood that Warranty servicing for the installed Genset shall be performed by the Genset contractor on or before the expiration of the warranty period. Schedule of servicing shall be in coordination with the Branch concerned;
- u. All incidental expenses for the servicing of the installed Genset within the warranty period shall be borne by the Genset contractor at no extra cost on the part of the Bank which includes the cost of consumables, basic replacement parts, labor, materials, equipment including the traveling expenses, lodging, food, etc. of the Genset contractor's authorized representative/s;
- v. The schedule of activities and the names of authorized representative/s of the contractor shall be submitted to the Branch concerned prior to servicing;
- w. Response time for all service calls (repair and/or maintenance works) shall be made by the Genset contractor within 24 hours upon receipt of telephone report of the Branch Head or its authorized representative/s;
- x. Should the presence of contractor's engineer/technician is required on-site in order to restore the Genset to its normal and safe operating condition, the contractor shall make available its engineer/technicians on site within three (3) calendar days upon receipt of telephone report by the Branch representative concerned at no extra cost on the part of the Bank;
- y. In the event that the Genset contractor fails to perform the services indicated in the maintenance schedule during service calls, the Bank may engage the services of other Genset contractor to perform the job. The corresponding cost that will be incurred for the servicing shall be deducted from the Genset contractor's retention money. This however, shall not void the warranty of the Genset unit supplied by the Genset contractor.

II. Qualification and Documentary Requirements:

Qualification Requirement	Documentary Requirement
1. The prospective genset contractor must have been selling Genset in the Philippine market for a minimum of five (5) years	Submission of related documents (e.g. previous Purchase Orders, Contracts and notarized certification).
2. The Genset contractor must have satisfactorily completed/installed Genset with minimum capacity of 25kVA using the brand being offered to at least five (5) different institutional clients in the Philippines	List of at least five (5) different institutional clients with addresses, contact persons and contact detail including Certificate of Completion/Acceptance.

Revised TOR as of June 07, 2022

Revised Annex D-22

Terms of Reference for the procurement of Generator Unit

<p>3. The Genset contractor shall have the following mandatory requirement:</p> <ul style="list-style-type: none"> a. In-house/manufacturers electrical & mechanical shop; b. In-house/manufacturers load bank (from 5kW to 50 kW); c. Parts inventory for consumables & emergency repair/major overhauling; d. 24 hours service crew for emergency repair 	<p>Certification that the prospective Genset contractor/manufacturer has the said requirements has the said requirements.</p>
<p>4. The Genset contractor shall have highly trained technicians who are its regular employees</p>	<p>List of at least 2 highly trained technicians (regular employees) with their respective Curriculum Vitae and Certificate of Employment.</p>
<p>5. The quoted brand/model must have authorized service center</p>	<p>List of at least two (2) service centers within the province of the project site (with complete address and contact numbers).</p>
<p>6. The Genset contractor must be an authorized distributor of the offered product</p>	<p>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.</p>
<p>7. The offered product must have brochures or any other official documents.</p>	<p>Brochure or any other official documents coming from the manufacturer showing the specifications of the offered product.</p>
<p>8. The specifications of the offered product shall be verifiable from the website of the manufacturer</p>	<p>Print-out of the Homepage of manufacturer's website showing the URL (web address). The offered products and its technical specifications must be in the manufacturer's website.</p>
<p>9. The offered product or its manufacturer must be authorized and certified by the approving/governing body</p>	<p>Bureau of Product Standards (PS), Underwriters Laboratories (UL), European Conformity (CE) or ISO certifications, whichever is available.</p>

III. Billing Requirements

Document	Description	Due Date of Submission
<p>1. Load Test Report (Annex C)</p>	<p>Duly accomplished form showing the electrical and mechanical parameters of the generator set</p>	<p>Upon Completion</p>
<p>2. Seven (7) sets of A-built plans and Bill of Materials (signed and sealed by PME)</p>	<p>Complete Mechanical As-built Plans</p>	<p>Upon Completion</p>
<p>3. Schedule of Maintenance/Monitoring Activities</p>	<p>The Genset contractor shall provide the standard warranty servicing for the installed equipment and its components (check-up and general cleaning of Genset which includes change oil, filters, other consumables, etc. including the unit's mechanical/electrical components as recommended by the genset manufacturer at least two times within the warranty period, every six (6) months after the</p>	<p>Upon Completion</p>

Revised TOR as of June 07, 2022

Revised Annex D-23

Terms of Reference for the procurement of Generator Unit

	unit has been installed or earlier as the need arises). The schedule of the said activities and the names of authorized representatives shall be submitted to the Branch Head or its authorized representative prior to servicing	
4. Warranty Certificate with inclusive dates	<p>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.</p> <p>All equipment, parts and components found defective during and within the warranty period shall be immediately replaced without additional cost to the bank.</p>	Upon Completion
5. 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
6. Mechanical Permit	Permit from the locality. If not required by the local Building Official, the supplier shall submit a notarized certificate (<u>attested by the LBP Branch Head</u>) that the said permit is not required by the Office of the Building Official (OBO). In any instance that the OBO required the Mechanical Permit, the supplier/contractor shall be the one to secure the same at no additional cost to the Bank within the warranty period.	Upon Completion
7. Photocopy of Certificate of Compliance (COC) and Official Receipt (OR)	Photocopy of the duly accomplished form and OR as submitted to the Energy Regulatory Commission (ERC) as proof that the supplier has filed the said COC	Upon Completion
8. Certificate of Training	Certificate that the Contractor Conducted familiarization seminar/training to orient the end-user on the basic concept, functions and operation of the equipment installed. Said certificate must be duly noted by Branch Head or its authorized representative	Upon Completion
9. Certificate of Completion	Certificate that the genset has been installed, tested and operational at the site. Said certificate must include the date of completion and must be duly noted by Branch Head or its authorized representative	Upon Completion
10. Manuals	Operation and Preventive Maintenance Manual	Upon Completion

IV. Payment Terms:

1. Request for payment shall be processed after the final turn-over and acceptance of the project and upon submission of complete billing documents required by the Bank's Procurement Department.
2. Partial payment may be allowed upon request of the supplier stating justifiable reason/s subject to evaluation and recommendation of PMED and subject to the Bank's accounting rules and regulation, based on the schedule below
3. **Retention fee shall be recommended by PMED once the supplier has already submitted the service reports for the warranty services.**

Schedule of Partial Payments:

	Documentary Requirement
1. 90% of Payment	a. Completion of Supply, Delivery, Installation and Commissioning of Unit. b. Load Test Report c. Schedule of Maintenance d. Warranty Certificate e. Guarantee Certificate f. Manuals
2. Remaining 10% of Payments	a. Complete As-Built Mechanical Plans b. Mechanical Permit or if not required by the local Building Official, Notarized Certificate attested by the LBP Branch Head c. Certificate of Completion (COC) from the Energy Regulatory Commission (ERC) and Official Receipt

Prepared by:



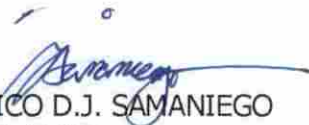
ROEL EUGENE C. ELAZEGUI
Engineer, TSU-PMED

Reviewed by:



RICHARD MICHAEL B. DIMAPILIS
SPDS/Team Leader, North-NCRBG

Approved by:



ENRICO D.J. SAMANIEGO
Head, PMED



LAND BANK OF THE PHILIPPINES
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT :
SUBJECT : GENERATOR SET LOAD TEST
DATE :

PURCHASE ORDER NO. :	_____	DATE :	_____
NAME OF SUPPLIER :	_____		
GENERATOR TYPE :	1) Open Type 2) Enclosed	VOLTAGE :	_____
CAPACITY (kVA) :	_____	FREQUENCY :	60 Hz
CAPACITY (kW) :	_____	POWER FACTOR :	_____
No. of Phase :	_____	Serial Number :	_____
Engine Make/Model :	_____	Serial Number :	_____
Generator Make/Model :	_____	No. of Cylinder :	_____
Fuel :	Diesel		

LOAD TEST DATA AT GENERATOR SET DIGITAL CONTROL PANEL

LOADING	(P %)	0			25			50			75			100		
		Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3
TIME ELAPSE	HR-MIN.	10			10			10			10			20		
PHASE VOLTAGE	Volts	1														
		2														
		3														
LINE AMPERE	Amps	1														
		2														
		3														
FREQUENCY	Hz															
WATER TEMPERATURE	deg C															
OIL PRESSURE	psi															
SAFETY CHARGE AMP.	Volts															



LAND BANK OF THE PHILIPPINES
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT :
SUBJECT : GENERATOR SET LOAD TEST
DATE :

LOAD TEST DATA AT LOAD BANK DIGITAL CONTROL PANEL

LOADING	(P %)	0			25			50			75			100		
		Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3
TIME ELAPSE	HR-MIN.	10			10			10			10			20		
PHASE VOLTAGE	Volts	1														
		2														
		3														
LINE AMPERE	Amps	1														
		2														
		3														
FREQUENCY	Hz															
KILO-WATT	kW															

RECOMMENDATION :
() PASSED () FAILED () FOR IMPROVEMENT

NOTES:
Load during 100% load is experiencing an increase of Water Temperature which reached 91°C

Test Witnessed By :

Supplier's Representative :

Engr. R. P. MED

Approved By :

Engr. R. P. MED

Bid Data Sheet

ITB Clause						
5.3	<p>In view of the determination by LANDBANK that the imposition of the provisions of Section 23.4.1 of IRR of RA 9184 will likely result to failure of bidding/monopoly that will defeat the purpose of public bidding, the Bidder should comply with the following requirements:</p> <p style="margin-left: 40px;">a. The Bidder must have completed a contract that is similar to this Project, the value of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC of this Project.</p> <p style="text-align: center;">or</p> <p style="margin-left: 40px;">b. The Bidder must have completed at least two (2) contracts similar to this Project, the aggregate amount of which, adjusted to current prices using the PSA's CPI, must be equivalent to at least fifty percent (50%) of the ABC for this Project, and the largest of these similar contracts must be equivalent to at least twenty five percent (25%) of the ABC for this Project.</p> <p>A contract shall be considered similar to this Project if it involves supply, delivery and installation of diesel generating unit. Moreover, it must have been completed within five (5) years prior to the set deadline for the submission and receipt of bids.</p>					
7	Subcontracting is not allowed.					
12	The price of the Goods shall be quoted DDP specified delivery site/s or the applicable International Commercial Terms (INCOTERMS) for this Project.					
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Form of Bid Security</th> <th style="text-align: center;">Minimum Amount of Bid Security</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank;</td> <td rowspan="2" style="vertical-align: top; text-align: center;"> Lot 1 – PhP 157,920.00 Lot 2 - PhP 15,500.00 Lot 3 - PhP 15,480.00 Lot 4 - PhP 20,500.00 </td> </tr> <tr> <td style="vertical-align: top;">(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and</td> </tr> </tbody> </table>	Form of Bid Security	Minimum Amount of Bid Security	(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank;	Lot 1 – PhP 157,920.00 Lot 2 - PhP 15,500.00 Lot 3 - PhP 15,480.00 Lot 4 - PhP 20,500.00	(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and
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(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and						

Technical Specifications

Specifications	Statement of Compliance
	<p>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each Specification preferably stating the corresponding performance parameter of the product offered.</p> <p>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.</p>
<p style="text-align: center;">Generator Sets for Four (4) LANDBANK Offices</p> <ol style="list-style-type: none"> 1. Terms of Reference and specifications per attached Revised Annexes D-1 to D-26. 2. The following documents shall be submitted in the Eligibility and Technical Component to support the compliance of the Bid to the technical specifications and other requirements: <p>For Lot 1:</p> <ol style="list-style-type: none"> 2.1. Certificate of Inspection issued by the LANDBANK – PMED. 2.2. 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. 	<p>Please state here either “Comply” or “Not Comply”</p>

<p>2.3. At least ten (10) Purchase Orders or Contracts as proof that the bidder has a minimum active experience of ten (10) years (from 2012 to present) in selling Generator Set in the Philippines.</p> <p>2.4. List of at least ten (10) clients with addresses, contact persons and telephone numbers.</p> <p>2.5. Certificates of Satisfactory Performance issued by at least three (3) clients of Medium and High Rise Building at minimum genset load capacity of 500 kW (e.g., BPOs, hospitals, banks, commercial establishments, condominium, malls, power plants and government offices) using the brand being offered.</p> <p>2.6. Certificate of availability of the following:</p> <p>2.6.1. In-house/manufacture electrical and mechanical shop;</p> <p>2.6.2. In-house/manufacture load bank at 500kW (minimum);</p> <p>2.6.3. Parts inventory for consumables and emergency repair/major overhauling; and</p> <p>2.6.4. 24 hours service engineer/crew for emergency repair</p> <p>2.7. List of at least five (5) technicians who are regular employees of the bidder with copy of their Curriculum Vitae and Certificate of Employment.</p> <p>2.8. List of at least one (1) Mechanical Engineer and Project Supervisor with copy of their Certificate of Employment and PRC license/competency certificate.</p>	
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2.9. Print out of the Homepage of the manufacturer's website showing the URL (web address) and the offered product and its technical specifications.

2.10. Certification from a governing body [Underwriters Laboratories (UL), European Conformity (EC) or ISO Certification] on the offered product or its manufacturer.

For Lots 2, 3 and 4:

2.11 Copy of Purchase Orders, contracts or other related documents to prove that the offered brand of Generator Set is being sold by the supplier in the Philippine market for at least five (5) years.

2.12 List of at least five (5) different institutional clients with addresses, contact persons and contact details including Certificates of Completion/Acceptance for the brand being offered.

2.13 Certification that the supplier has the following requirements:

2.13.1 In-house/manufacturer electrical and mechanical shop;

2.13.2 In-house/manufacturer load bank (from 5 kW to 50 kW);

2.13.3 Parts inventory for consumables and emergency repair/major overhauling; and

2.13.4 24 hours service crew for emergency repair.

2.14 List of at least two (2) highly-trained technicians (regular employees) with their respective Curricula Vitae and Certificate of Employment.

2.15 List of at least two (2) Service Centers with complete addresses

<p>and contact details, within the province of the project site.</p> <p>2.16 Manufacturer's authorization or back-to-back certification as an authorized seller/distributor of the product being offered and/or other supporting documents to satisfy the said requirement.</p> <p>2.17 Brochure or other official documents coming from the manufacturer indicating the specifications of the product being offered.</p> <p>2.18 Print-out of the manufacturer's homepage website showing the URL (web address).</p> <p>2.19 Certification from the following, whichever is available:</p> <ul style="list-style-type: none">▪ Bureau of Product Standards (PS)▪ Underwriters Laboratories (UL)▪ Conformance European (CE) <p>Non-submission of the above documents/requirements may result in the post-disqualification of the bidder.</p>	
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Conforme:

Name of Bidder

Signature over Printed Name of
Authorized Representative

Position

Form No. 2

SCHEDULE OF PRICES
 For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	Quantity	Unit Price (EXW)	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
1	Generator Sets for Four (4) LANDBANK Offices	_____	(See attached Bill of Quantities for the breakdown of components, Annexes E-1 to E-4)	P_____	P_____	P_____	P_____	P_____	P_____

 Name of Bidder

 Signature over Printed Name of Authorized Representative

 Position

Please credit payment to:

Account Name: _____

Account Number: _____

LBP Branch: _____

Form No. 2

SCHEDULE OF PRICES
 For Goods Offered from Abroad

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	Quantity	Unit Price* CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Transportation and Insurance and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
1	Generator Sets for Four (4) LANDBANK Offices	_____	(See attached Bill of Quantities for the breakdown of components, Annexes E-1 to E-4)	P_____	P_____	P_____	P_____	P_____	P_____

 Name of Bidder

 Signature over Printed Name of Authorized Representative

 Position

Please credit payment to:

Account Name: _____

Account Number: _____

LBP Branch: _____

Checklist of Bidding Documents for Procurement of Goods and Services

The documents for each component should be arranged as per this Checklist. Kindly provide guides or dividers with appropriate labels.

Eligibility and Technical Components (PDF File)

- ***The Eligibility and Technical Component shall contain documents sequentially arranged as follows:***

- **Eligibility Documents – Class “A”**

Legal Eligibility Documents

1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

Technical Eligibility Documents

2. 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 or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder. (sample form - Form No. 7).
3. 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).
4. Statement of the prospective bidder identifying its Single Largest Completed Contract (SLCC) similar to the contract to be bid within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the sample form (Form No. 4).

Financial Eligibility Documents

5. 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.

6. 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 in lieu of its NFCC computation.

○ **Eligibility Documents – Class “B”**

7. Duly signed 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.
8. For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos, Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
9. Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

○ **Technical Documents**

10. Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
11. Section VI – Schedule of Requirements with signature of bidder's authorized representative.
12. **Revised Section VII** – Specifications with response on compliance and signature of bidder's authorized representative.
13. Duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6).

Note: During the opening of the first bid envelope (Eligibility and Technical Component) only the above mentioned documents will be checked by the BAC if they are all present using a non-discretionary “pass/fail” criterion to determine each bidder's compliance with the documents required to be submitted for eligibility and the technical requirements.

- **Other Documents to Support Compliance with Technical Specifications [must be submitted inside the first bid envelope (Eligibility and Technical Component)]**

For Lot No. 1 only:

14. Certificate of Inspection issued by the LANDBANK – PMED.
15. 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.
16. At least ten (10) Purchase Orders or Contracts as proof that the bidder has a minimum active experience of ten (10) years (from 2012 or to present) in selling Generator Set in the Philippines.
17. List of at least ten (10) clients with addresses, contact persons and telephone numbers.
18. Certificates of Satisfactory Performance issued by at least three (3) clients of Medium and High Rise Building at minimum genset load capacity of 500 kW (e.g., BPOs, hospitals, banks, commercial establishments, condominium, malls, power plants and government offices) using the brand being offered.
19. Certificate of availability of the following:
 - 19.1 In-house/manufacturer electrical and mechanical shop;**
 - 19.2 In-house/manufacturer load bank at 500kW (minimum);**
 - 19.3 Parts inventory for consumables and emergency repair/major overhauling; and
 - 19.4 24 hours service engineer/crew for emergency repair.
20. List of at least five (5) names of regular employed technicians with copy of their Curriculum Vitae and Certificate of Employment.
21. List of at least one (1) Mechanical Engineer and Project Supervisor with copy of their Certificate of Employment and PRC license/competency certificate.
22. Print out of the Homepage of the manufacturer's website showing the URL (web address) and the offered product and its technical specifications.
23. Certification from a governing body [Underwriters Laboratories (UL), European Conformity (EC)] on the offered product or its manufacturer.
24. Manufacturer's authorization confirming that the bidder is authorized to provide the equipment and consumables supplied by the manufacturer, including any

warranty obligations and after sales support as may be required (sample form - Form No.9).

For Lot Nos. 2 to 4:

25. Copy of Purchase Orders, contracts or other related documents to prove that the offered brand of Generator Set is being sold by the supplier in the Philippine market for at least five (5) years.
 26. List of at least five (5) different institutional clients with addresses, contact persons and contact details including Certificates of Completion/ Acceptance for the brand being offered.
 27. Certification that the supplier has the following requirements:
 - 27.1 In-house/manufacturer electrical and mechanical shop;
 - 27.2 In-house/manufacturer load bank (from 5 kW to 50 kW);
 - 27.3 Parts inventory for consumables and emergency repair/major overhauling;
 - 27.4 24 hours service crew for emergency repair
 28. List of at least two (2) highly-trained technicians (regular employees) with their respective Curricula Vitae and Certificate of Employment.
 29. List of at least two (2) Service Centers with complete addresses and contact details, within the province of the project site.
 30. Manufacturer's authorization or back-to-back certification as an authorized seller/distributor of the product being offered and/or other supporting documents to satisfy the said requirement.
 31. Brochure or other official documents coming from the manufacturer indicating the specifications of the product being offered.
 32. Print-out of the manufacturer's homepage website showing the URL (web address).
 33. Certification from the following, whichever is available:
 - Bureau of Product Standards (PS)
 - Underwriters Laboratories (UL)
 - Conformance European (CE)
 - ISO Certification
- **Post-Qualification Documents/Requirements – [The bidder may submit the following documents/requirements within five (5) calendar days after receipt of Notice of Post-Qualification]:**

34. 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.
35. Latest Income Tax Return filed manually or through EFPS.
36. Original copy of Bid Security (if in the form of a Surety Bond, submit also a certification issued by the Insurance Commission).
37. Original copy of duly notarized Omnibus Sworn Statement (OSS) (sample form - Form No.6).
38. Duly notarized Secretary's Certificate designating the authorized signatory in the Contract Agreement if the same is other than the bidder's authorized signatory in the bidding (sample form – Form No. 7).

Financial Component (PDF File)

- ***The Financial Component shall contain documents sequentially arranged as follows:***
 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).
 3. Dully filled out Bill of Quantities Form (Annexes E-1 to E-4) signed by the Bidder's authorized representative.

Note: The forms attached to the Bidding Documents may be reproduced or reformatted provided the information required in the original forms and other requirements like signatures, if applicable, are complied with in the submittal.