



REPUBLIC OF THE PHILIPPINES  
**DEPARTMENT OF BUDGET AND MANAGEMENT**  
 GENERAL SOLANO STREET, SAN MIGUEL, MANILA

**SUPPLEMENTAL/BID BULLETIN (SBB) NO. 1**

This SBB No. 1 dated September 16, 2019 for the Project, “Supply, Delivery, Installation, Testing, and Commissioning of Two (2) Diesel Generator Sets for the DBM Arcache Building,” is issued to clarify, modify or amend items in the Bidding Documents. Accordingly, this shall form an integral part of said Documents.

PARTICULARS	CLARIFICATION/AMENDMENTS
<p><b>Section I. Invitation to Bid</b></p> <p style="text-align: center;">XXXX</p> <p>7. Bids must be duly received by the BAC Secretariat at the address below on or before September 17, 2019, 9:00 a.m. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.</p> <p>Bid opening shall be on September 17, 2019, 9:00 a.m. at the BAC Conference Room, Ground Floor, DBM Building III, General Solano St., San Miguel, Manila. Bids will be opened in the presence of the bidders’ representatives who choose to attend at the address below. Late bids shall not be accepted.</p> <p style="text-align: center;">XXXX</p>	<p><b>Section I. Invitation to Bid</b></p> <p style="text-align: center;">XXXX</p> <p>7. Bids must be duly received by the BAC Secretariat at the address below on or before September <del>17</del> <b>24</b>, 2019, 9:00 a.m. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.</p> <p>Bid opening shall be on September <del>17</del> <b>24</b>, 2019, 9:00 a.m. at the BAC Conference Room, Ground Floor, DBM Building III, General Solano St., San Miguel, Manila. Bids will be opened in the presence of the bidders’ representatives who choose to attend at the address below. Late bids shall not be accepted.</p> <p style="text-align: center;">XXXX</p>
<p><b>Section III. Bid Data Sheet</b></p> <p style="text-align: center;">XXXX</p> <p>17.1 Bids will be valid until January 15, 2020.</p> <p style="text-align: center;">XXXX</p> <p>18.2 The bid security shall be valid until January 15, 2020.</p> <p style="text-align: center;">XXXX</p> <p>21. xxx</p> <p style="padding-left: 40px;">The deadline for submission of bids is September 17, 2019, 9:00 a.m.</p> <p>24.1 xxx</p> <p style="padding-left: 40px;">The date and time of bid opening is September 17, 2019, 9:00 a.m.</p> <p style="text-align: center;">XXXX</p>	<p><b>Section III. Bid Data Sheet</b></p> <p style="text-align: center;">XXXX</p> <p>17.1 Bids will be valid until January <del>15</del> <b>22</b>, 2020.</p> <p style="text-align: center;">XXXX</p> <p>18.2 The bid security shall be valid until January <del>15</del> <b>22</b>, 2020.</p> <p style="text-align: center;">XXXX</p> <p>21. xxx</p> <p style="padding-left: 40px;">The deadline for submission of bids is September <del>17</del> <b>24</b>, 2019, 9:00 a.m.</p> <p>24.1 xxx</p> <p style="padding-left: 40px;">The date and time of bid opening is September <del>17</del> <b>24</b>, 2019, 9:00 a.m.</p> <p style="text-align: center;">XXXX</p>
	<p>Attached are the Revised Statement of Single Largest Completed Contract which is Similar in Nature and the Revised Statement of all Ongoing Government and Private Contracts Including Contracts Awarded but not yet Started.</p>

Section VI. Schedule of Requirements XXXX			Section VI. Schedule of Requirements XXXX		
Item Number	Description	Delivery Date	Item Number	Description	Delivery Date
1.	Supply, delivery, installation, testing, and commissioning of two (2) Generator Sets for the DBM Arcache Building	Within thirty (30) working days after the issuance of Notice to Proceed (NTP)	1.	Supply, delivery, installation, testing, and commissioning of two (2) Generator Sets for the DBM Arcache Building	Within thirty (30) working days after the issuance of Notice to Proceed (NTP) <b>December 27, 2019</b>
XXXX			XXXX		
<b>Section VII. Technical Specifications</b> XXXX <b>III. Features (See attached Annex A, item C)</b> Diesel engine shall be equipped with: a. Six (6) in-line cylinders, XXXX  <b>VI. Generator Rating (See attached Annex A, item F)</b>  a. Emergency Standard Power (ESP) – Applicable for supplying power to varying electrical load for the duration of power interruption of reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.			<b>Section VII. Technical Specifications</b> XXXX <b>III. Features (See attached Revised Annex A, item C)</b> Diesel engine shall be equipped with: a. Six (6) in-line cylinders, XXXX  <b>VI. Generator Rating (See attached Revised Annex A, item F)</b> a. Emergency Standard Power (ESP) – Applicable for supplying power to varying electrical load for the duration of power interruption of reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046 / AS 2789, DIN 6271 and / BS 5514.  Attached are the Revised VI. Schedule of Requirement and the Revised Section VII. Technical Specifications		

**Other matters:**

- The “No Contact Rule” shall be strictly observed. Bidders are not allowed to call or talk to any member of the Bids and Awards Committee, Technical Working Group or Secretariat effective September 24, 2019 right after the opening of bids.
- For guidance and information of all concerned.



**ACHILLES GERARD C. BRAVO**  
*Assistant Secretary*  
*Chairperson, DBM-BAC*

**Statement of Single Largest Completed Contract  
which is Similar in Nature**

**(Revised)**

(indicate only one)

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_

Name of Client/Contact Person/Contact Number/Contact Email Address	Date of the Contract	Kinds of Goods	Amount of Contract	Date of Delivery	End User's Acceptance or Official Receipt(s) Issued for the Contract

Submitted by : \_\_\_\_\_  
(Printed Name and Signature)

Designation : \_\_\_\_\_

Date : \_\_\_\_\_

**Instructions:**

- a. Cut-off date is September 24, 2019.
- b. Similar contract shall refer to the Supply, Delivery, Installation, Testing and Commissioning of Diesel Generator Set.

**Statement of all Ongoing Government and Private Contracts Including  
Contracts Awarded but not yet Started  
(Revised)**

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_

Name of Client/Contact Person/Contact Number/Contact Email Address	Date of the Contract	Kinds of Goods	Value of Outstanding Contracts	Date of Delivery
<u>Government</u>				
<u>Private</u>				

Submitted by : \_\_\_\_\_  
(Printed Name and Signature)

Designation : \_\_\_\_\_

Date : \_\_\_\_\_

**Instructions:**

- i. State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project being bid) prior to September 24, 2019.
- ii. If there is no ongoing contract including those awarded but not yet started as of the aforementioned period, state none or equivalent term.
- iii. The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC).

# ***Section VI. Schedule of Requirements***

**(Revised)**

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

<b>Item Number</b>	<b>Description</b>	<b>Delivery Date</b>
1	Supply, delivery, installation, testing, and commissioning of two (2) Generator Sets for the DBM Arcache Building	December 27, 2019

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

\_\_\_\_\_  
**Name of Company/Bidder**

\_\_\_\_\_  
**Signature over Printed Name of Representative**

\_\_\_\_\_  
**Date**

## ***Section VII. Technical Specifications*** **(Revised)**

Bidders must state here either "Comply" or any equivalent term in the column "Bidder's Statement of Compliance" against each of the individual parameters of each "Specification."

Specifications	Bidder's Statement of Compliance
<b>I. Scope of Works</b> <i>(See attached Revised Annex A, item A)</i>	
<b>II. Specifications</b> <i>(See attached Revised Annex A, item B)</i>	
<b>III. Features</b> <i>(See attached Revised Annex A, item C)</i>	
<b>IV. Control System Major Features</b> <i>(See attached Revised Annex A, item D)</i>	
<b>V. Operator Panel Features</b> <i>(See attached Revised Annex A, item E)</i>	
<b>VI. General Rating</b> <i>(See attached Revised Annex A, item F)</i>	

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

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Representative

\_\_\_\_\_  
Date

**SUBJECT: SUPPLY, DELIVERY AND INSTALLATION OF DIESEL GENERATOR SETS**

**A. SCOPE OF WORK:**

1. Supply, delivery, hauling from factory warehouse to jobsite generator room and installation of skid-mounted Diesel Driven Generator sets with skid-based 8-hours fuel tanks, vibration isolation including but not limited to the following:
  - Installation of mufflers and exhaust pipes complete with hangers and 50 mm Calcium Silicate insulation and gauge 22 stainless steel cladding.
  - Coring of two (2) sets on mezzanine floor slab and two(2) sets on wall for entry/exit of exhaust pipes, including provision of watertight escutcheon plate covers
  - Provision and installation of two (2) sets of Batteries, Chargers and mounting steel rack
  - Provision and installation of generator circuit breakers (GCB), if not directly provided and mounted on the generator skid.
  - Supply and installation of electrical wires and conduit complete with hangers, from GCB to Automatic Transfer Switch (ATS), Feeder size as follows:

Genset No. 1 (100 kW ): 2 sets of [ 3-100 sq mm THHN {phase} , 1-50 sq. mm THHN {GW}  
In 65mm dia RSC]

Genset No. 2 (100 kW ): 2 sets of [ 3-100 sq mm THHN {phase} , 1-50 sq. mm THHN {GW}  
In 65mm dia RSC]

2. Supply and Installation of Concrete Foundation and associated anchor bolts, size as required.
3. Supply and installation of Exhaust Duct from radiators to Steel louver wall. Ducts shall be Gauge 20 Galvanized Steel Sheet with 2-hours fire rated Canvass cloth.
4. Supply and installation of three (3) sets equipment ground #50 mm<sup>2</sup> bare copper wire in 25 mm PVC and copper clad ground rod [(16 mm dia. x 2.4 m (L))], as shown in the plan sheet 13C.

**B. Specifications**

- 1) Generator Set no. 1 for Building Emergency Loads
  - Standby Rating 100 kW / 125 kVA; 60 Hz; 230 Volts; 3Ø; 314 Amps
  - Prime Rating 91 kW / 114 kVA; 60 Hz; 230 Volts; 3Ø; 314 Amps
- 2) Generator Set no. 2 for 50 horsepower Fire Pump and other emergency loads
  - Standby Rating 100 kW / 125 kVA; 60 Hz; 230 Volts; 3Ø
  - Prime Rating 91 kW / 114 kVA; 60 Hz; 230 Volts; 3Ø

**C. Features**

Diesel engine shall be equipped with:

- a. Turbo-aftercooled aspiration
- b. 85 liters or less per hour fuel consumption at 100% load
- c. Silent type
- d. Medium-duty engine - Rugged 4-cycle industrial diesel delivers reliable power, low emissions and fast response to load changes.

- e. Cooling system - Standard integral set mounted radiator system, designed and tested for rated ambient temp., simplifies facility design requirements for rejected heat.
- f. Permanent Magnet Generator (PMG) - Offers enhanced motor starting and fault clearing short circuit capability or equivalent.
- g. Alternator - Low reactance 2/3 pitch windings; low waveform distortion with non-linear loads, fault clearing short-circuits capability, and Class H insulation.
- h. Control system - Electronic control system is standard equipment and provides total genset system integration, including auto remote start/stop, precise frequency and voltage regulation, alarm and status message display, generator protection and output metering or equivalent.

**D. Control System Major Features**

- a. Integral generator protection which provides a full range of alternator protection functions that are matched to the alternator provided, or approved equal.
- b. Power management – Control function provides battery monitoring and testing features and smart starting control system.
- c. Advanced control methodology – Three phase sensing, full wave rectified voltage regulation, with a PWM output for stable operation with all load types
- d. Generator exerciser
- e. Communications interface – Control comes standard with PCCNet and Modbus interface.
- f. Regulation compliant – Prototype tested: CE, UL and/or CSA compliant

**E. Operator panel features**

- a. Operator panel features – The operator panel, in addition to the alternator, displays the Utility/AC Bus data.
- b. Operator/display functions
  - 320 x 240 pixels graphic LED backlight LCD
  - Auto, manual, start, stop, fault reset and lamp test/panel lamp switches
  - Alpha-numeric display with pushbuttons
  - LED lamps indicating genset running, remote start, not in auto, common
- c. Engine protection
  - Battery voltage monitoring, protection and testing.
  - Overspeed shutdown and Low oil pressure warning and shutdown.
  - High/low coolant temperature warning or shutdown.
  - Low coolant level warning or shutdown.
  - Fail to start (over crank) shutdown and Fail to crank shutdown.
  - Cranking lockout and Sensor failure indication.
  - Low fuel level warning or shutdown (optional).
  - Fuel-in-rupture-basin warning or shutdown (optional).
  - Full authority electronic engine protection



d. Control functions

- Time delay start and cool down.
- Real time clock for fault and event time stamping.
- Exerciser clock and time of day start/stop.
- Data logging and Cycle cranking.
- Load shed and Configurable inputs and outputs (4).
- Remote emergency stops

F. Generator rating

- a. Emergency Standby Power (ESP) - Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) must be in accordance with ISO 8528. Fuel Stop power in accordance with either ISO 3046 / AS 2789 / DIN 6271 / BS 5514.