



**BSWM- BIDS AND AWARDS COMMITTEE
SUPPLEMENTAL BID BULLETIN NO. 2**

**CONTRACT: Procurement of Supply and Delivery of 2,425 units of
Technology Package on Composting Facility for
Biodegradable Wastes for CY 2024 - IB No. BSWM 2024-09-
059**

This Addendum is being issued in accordance with Section 22.5.2 of the IRR of RA 9184, to clarify and modify some provisions of the Bidding Document. **THIS SHALL FORM AN INTEGRAL PART OF THE BID DOCUMENT.** Likewise, the succeeding agreements and reminders were discussed during the Pre-Bid Conference held last September 24, 2024, at the BSWM Lecture Room 1 and via Video-conferencing-Zoom.

REITERATION OF THE BIDDING DOCUMENT:

Approved Budget for the Contract (ABC):

LOT 1 - Procurement of Supply and Delivery of Modified Technology Package on Composting Facility for Biodegradable Wastes for CY 2024 (M-CFBW)
ABC: PhP 892,500,000.00

LOT 2 - Procurement of Supply and Delivery of Technology Package on Composting Facility for Biodegradable Wastes for CY 2024 with attachment (CFBW- with attachment)
ABC: PhP 1,092,500,000.00

Single Largest Completed Contract (SLCC):

For this purpose, contracts similar to the Project shall be:

- a. Contract on Supply and Delivery of Manufactured/Fabricated Agricultural Processing Equipment/Agricultural Machineries and/or Solid Waste Management Equipment.
- b. completed within five years prior to the deadline for the submission and receipt of bids.

Note: Submission of Performance Evaluation from bidder's submitted SLCC/s- (to be submitted as part of technical proposal or during post-qualification).

Section VI. Schedule of Requirements:

Completion of Delivery of goods is required within 8 months upon receipt of NTP.

Total units per Lot:

Lot 1- 1,275 units

Lot 2- 1,150 units

Lot 1

Minimum Required Delivery on or before December 15, 2024	Stocks Availability	
	Assembled	Raw Materials
160 units	1 set	159 units

Lot 2

Minimum Required Delivery on or before December 15, 2024	Stocks Availability	
	Assembled	Raw Materials
145 units	25 sets	120 units

DISTRIBUTION LIST OF COMPOSTING FACILITY FOR BIODEGRADABLE WASTES (CFBW) FY 2024	
Lot 1	
REGION	Number of Units
National Capital Region (NCR)	3
CAR - Cordillera Administrative Region	120
Region I – Ilocos Region	196
Region II – Cagayan Valley	242
Region III – Central Luzon	134
Region IV-A - CALABARZON	114
Region IV-B - MIMAROPA	342
Region V – Bicol Region	124
	1275

DISTRIBUTION LIST OF COMPOSTING FACILITY FOR BIODEGRADABLE WASTES (CFBW) FY 2024	
Lot 2	
REGION	Number of Units
Region VI – Western Visayas	152
Region VII – Central Visayas	87
Region VIII – Eastern Visayas	296
Region IX – Zamboanga Peninsula	83
Region X – Northern Mindanao	87
Region XI – Davao Region	242
Region XII - SOCCSKSARGEN	79
Region XIII - CARAGA	124
Grand Total	1150

**Note: 30 sets shall be delivered at CARAGA within 15 days upon receipt of NTP*

AMENDMENTS OF THE BIDDING DOCUMENT:

ORIGINAL (SBB No. 1)	AMENDED
<p>Section I. Invitation to Bid</p> <p>A complete set of Bidding Documents may be acquired by interested Bidders until October 14, 2024, 3:00PM.</p> <p>Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before October 15, 2024, 9:00AM. Late bids shall not be accepted.</p> <p>Bid opening shall be on October 15, 2024, 9:30AM at the BSWM Convention Hall, 2nd Floor, SRDC Bldg., Visayas Ave. Cor. Elliptical Road, Diliman, Quezon City and through videoconferencing/webcasting via ZOOM and streamed live through BSWM Procurement Service FB Page. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.</p>	<p>Section I. Invitation to Bid</p> <p>A complete set of Bidding Documents may be acquired by interested Bidders until October 21, 2024, 9:30AM.</p> <p>Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before October 21, 2024, 10:00AM. Late bids shall not be accepted.</p> <p>Bid opening shall be on October 21, 2024, 1:30PM at the BSWM Convention Hall, 2nd Floor, SRDC Bldg., Visayas Ave. Cor. Elliptical Road, Diliman, Quezon City and through videoconferencing/webcasting via ZOOM and streamed live through BSWM Procurement Service FB Page. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.</p>

REVISED SECTION VII. TECHNICAL SPECIFICATION:

Lot 1 - Procurement of Supply and Delivery of Modified Technology Package on Composting Facility for Biodegradable Wastes for CY 2024 (M-CFBW):

DESCRIPTION	STATEMENT OF COMPLIANCE
I. One (1) unit Biomass Shredder	
A. Power Source/Engine	
1) Power: At least 7-Hp	
2) Diesel; water-cooled; single horizontal cylinder; 4 stroke cycle	
3) Power transmission: Belt-driven (with shredder machine and power source mounted on a common steel base)	
4) Fuel consumption (on average consumption): Max= 2.3L/hr	
5) Average output power: Not less than 4.45 kW as indicated in the Continuous Running Test per AMTEC Test Report of Engine	
6) With manual and standard engine tools	
B. Shredding capacity: Minimum of 1 ton per hour	
Verification:	
1) AMTEC Test Report	
2) Post-Qualification	
C. Shredding efficiency:	
Verification:	
1) AMTEC Test Report	
2) Post-Qualification (actual testing)	
2.a) At least 90% shredding efficiency in accordance with PAES	
2.b) Test Material: Young coconut (buko) shall be provided by the bidder	
Amount of Test Material: At least 75% of required input capacity of the Biomass Shredder (i.e. at least 750kg) (Based on PAES 245:2010- Methods of Testing)	
D. Shredding Chamber:	
1) Material/Method - Thickness :	
Full-welded metal steel - not less than 6 mm; or	
Cast Iron - not less than 10mm	
* Chamber shall have central opening for easy maintenance and declogging. Hence, one chamber becomes two chambers.	
E. With built-in wood chipper:	
Chipping ability minimum requirement: Can chip up to 3cm diameter of softwood (If it can chip bigger diameter of softwood, better.)	
F. Shredding blades and chipping blades:	
1) Material: minimum of 4140 steel properties or its equivalent, quenched and tempered steel	
Verification (for 4140 steel):	
a) Post-Qualification: Chemical Analysis and Metal ID of the blade by DOST - Metals Industry Research and Development Center (MIRDC). Cost of analysis will be shouldered by Bidder.	
b) During conduct of Acceptance Testing/Inspection which shall include- Chemical Analysis, Metal ID, of the blades by DOST- MIRDC and actual operation and performance testing in compliance to DA DC 16-2020.	
FOR a AND b: Sampling of blades including number of samples is based on PAES 103:2000 - Agricultural Machinery - Method of Sampling	
Notes (for 4140 steel analysis):	

* Cost of analysis will be shouldered by the winning bidder.	
* The bidder or its representative shall be present during the submission of samples to the testing center.	
* The bidder shall have replacement for the blades used for analysis.	
Notes (for blades):	
* Blades shall be replaceable and can be sharpened with minimal effort, without compromising the durability of the shredder, or if special equipment/skills is needed, this shall be serviced by the supplier within 3 calendar days upon notice. This shall be form part of the lifetime service warranty (based on PAES 192:2024).	
* Rotary-type blades/blade is not fixed.	
NOTE: Failure to comply with the required specification before distribution shall be ground for termination of contract and /or blacklisting.	
Spare Blades: With one (1) set spare painted, quenched tempered 4140 (or its equivalent) steel shredding blades;	
G. Other Parts/Provisions	
1) Feeding plate and hopper/funnel: Thickness: Not less than 1.7mm	
2) Belt:	
2.a) With cover or guard provisions	
2.b) With belt tightening or adjustment mechanism	
3) Steel base and rubber wheels: Shredder and engine mounted on a heavy duty common steel base with 4 heavy- duty rubber wheels of at least 6 inches in diameter for easy mobility, with lock	
4) Maintenance tools: grease gun, rubber mallet, set of combination wrenches suited for nuts and bolts of the shredder, adjustable wrench, and heavy-duty goggles; with tool box/pouch that can carry the aforesaid tools	
Verification: Post-Qualification	
H. Valid AMTEC Test Reports for:	
1) Shredder and engine couple (couple being offered)	
2) Engine only.	
The AMTEC Test Reports for submission for biomass shredder and engine may not be the original certified true copy by AMTEC. It can be a CLEAR Photocopy/ scanned copy of the certified true copy by AMTEC.	
Both submitted during submission of bids as part of the technical proposal and to be verified during Post-Qualification	
I. Conformity to Standards:	
1) PNS/PAES 244:2010 (Agricultural machinery – Biomass shredder – Specifications): Manufacturing requirements; performance requirements; safety, workmanship, and finish; and markings; unless otherwise specified herein.	
2) PAES 116:2001 (Agricultural machinery – Small Engine – Specifications): performance requirements; workmanship and finish; maintenance and operations tools requirements; including instruction manual, marking, and labeling and other requirements.	
Note: In view of the recent PNS/BAFS 330:2022: Technical Means for Ensuring Safety Guidelines, providing for the acceptable maximum noise level by DOLE, the procuring entity will refer to this in terms of the provisions in the noise level. Under the Normative References of the 2022 Standards, it has referred to the DOLE Occupational Safety and Health (OSH) Standards. Under the Threshold Limit Values for Noise of DOLE OSH Standards, ear protective devices shall be provided if controls fail to reduce sound within specified levels. The procuring entity will abide by this. If the noise level of biomass shredder in the AMTEC Test exceeds that of the prescribed limit in PAES 244:2010, ear protective devices (e.g. earmuffs, earplugs, etc.) shall be provided by the supplier. The number of ear protective devices to be provided will be based on the number of operators indicated in the AMTEC Test Report of the biomass shredder. In the	

absence of such number in the said Report, the supplier shall provide at least three ear protective devices per unit of biomass shredder.	
Specification of Ear Protective devices (Ear muffs/Ear Plugs), if applicable with noise reduction rating enough to reduce the noise in excess of the allowable in the AMTEC Test	
II. One (1) unit Rotary Composter	
A. Rotational Speed: Minimum 1 turn and maximum 3 turns every 3 minutes.	
B. Drum:	
1) Material: stainless steel	
2) Main Panel: Thickness: not less than 1.4mm	
Side Panels: Thickness: not less than 1.2mm	
3) Volumetric capacity: At least 2 cubic meters	
4) Input Capacity by weight: 1 ton (per batch)	
5) With Baffles:	
a) Number: At least 6	
b) Material: stainless steel	
6) With Air vents: four (per side panel)	
With Discharge window and blower	
C. Shaft Support and rotary composter stand:	
Angle bar size: At least 3"x3"x1/4" (standard size) (or 76mm x 76mm x ~6mm) or Channel Bar: At least 2" x 4" x 6mm (Tolerance for width: + or - 3mm; tolerance for thickness: + or minus 1mm); With diagonal corner bracings on stands required for angle bars (3"x3"x1/4").	
With square metal footing or circular footing to improve bearing contact area to the ground: Dimensions: 5in x 5in to 6in x 6in, For circular footing: diameter 5in-6in; thickness: 6mm-12mm, edges removed	
D. Power Source	
1) Power: Minimum= 1 hp or 0.746kW	
2) 220V	
3) Single-phase induction motor	
Transmission: Free-wheel after engine stop so as the weight of the substrate does not stress the engine after stop	
4) With automatic power off/safety breaker to avoid overheating of motor	
5) Power cord length: at least 6 meters	
E. Other Parts/Provisions for Rotary Composter	
1. Discharge chute, stainless steel at least 1.4 mm (optional)	
2. Ladder - (optional as needed)	
F. Valid AMTEC Test Report for Rotary Composter - The AMTEC Test Reports for submission for rotary composter may not be the original certified true copy by AMTEC. It can be a CLEAR Photocopy/ scanned copy of the certified true copy by AMTEC.	
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Submitted during submission of bids as part of the technical proposal and to be verified during Post-Qualification	
G. Fabrication: Locally-fabricated; can withstand the stresses of demanding use.	
Shall be free from manufacturing defects, sharp edges and surfaces other than the cutting mechanism to ensure safety of the operators	
Note: 1 Brand 1 Model for each component.	

H. Bolts and nuts must be stainless	
I. Other provisions:	
1.a. With colored signage containing the BSWM and Banner Program logos to be provided/confirmed by end-user (shredder and rotary composter)	
1.b. DA-BSWM colored signage on all sides of the equipment (shredder and rotary composter)- Final design and size shall be approved during contract implementation	
1.c. signage on do's and dont's/ simple steps-	
2. With serial number on metal steel plate	
J. Other Submissions: Submit as part of your technical proposal	
1) Detailed Engineering Design	
a) Indicating major parts and specifications, including measurements, scale, and other important details, of the shredder and composter contained herein.	
b) Signed and sealed by a Registered Agricultural and Biosystems Engineer with a valid copy of PRC License attached.	
c) Submitted during submission of bids as part of technical proposal.	
2) Certificate of Availability of Stocks and its location. Please refer to Section VI. Schedule of Requirements	
Note: * List of major materials: Angle bars, steel/metal sheets, plates for blades * Bidder shall provide an inventory of assembled units and raw materials during the post-qualification.	
3) Operations Manual in which shall include:	
3.a) Warranty Certificate * For parts: minimum of 2 years * After sales service warranty: lifetime Note: Original copy shall be submitted during Post-Qualification	
3.b) Drawings/photos indicating major parts and functions	
3.c) Instructions on how to operate, troubleshoot, replace blades which shall be written in English and Filipino language. Printed in understandable text with illustrations.	
3.d) Certificate of Availability of Service Centers or Service Provider - with location and contact information of the suppliers nearest Service Center or Service Provider * In case of service center: At least 1 per region; with list of addresses, contact persons, and contact details; or * In case of service provider: Contract, proof of training of service provider personnel, list of personnel provided with training. Reference: PNS/BAFS/PAES 192:2016: Guidelines on After-Sales Service	
4) Valid NAMDAC Certificate as manufacturer/ fabricator	
Verification: During Post-Qualification	
Note: Biomass shredder and rotary composter shall be on the product line of Bidder during Post-qualification	
5) Valid BAFE Permit to Operate Certificate as manufacturer/ fabricator	
Verification: During Post-Qualification	
Note: Biomass shredder and rotary composter shall be on the product line of Bidder during Post-qualification	
6). Video of How to Operate, troubleshoot, replace blades- shall be accessible thru internet (QR codes shall be provided on the signage- refer to R.1a) preferably in Filipino or Taglish. Verification: During Post-Qualification	
K. Hands-on Training Provision from Supplier:	
Training provisions from supplier shall include the following topics:	

1) Power: At least 7-Hp	
2) Diesel; Water-cooled; single horizontal cylinder; 4 stroke cycle	
3) Power transmission: Belt-driven (with shredder machine and power source mounted on a common steel base)	
4) Fuel consumption (on average consumption): Max= 2.3L/hr	
5) Average output power: Not less than 4.45 kW as indicated in the Continuous Running Test per AMTEC Test Report of Engine	
6) With manual and standard engine tools	
B. Shredding capacity: Minimum of 1 ton per hour	
Verification:	
1.] AMTEC Test Report	
2.] Post-Qualification	
C. Shredding efficiency:	
Verification:	
1.) AMTEC Test Report	
2.) Post-qualification (actual testing)	
2.a) At least 90% of the sampled shredded output shall pass through a 1 inch- size screen	
2.b) Test Materials: Young coconut (buko) shall be provided by the bidder	
Amount of Test Materials: At least 75% of required input capacity of the Biomass Shredder (i.e. at least 750 kg) (based on PAES 245:2010-Methods of Testing)	
D. Shredder Chamber:	
1) Material/Method - Thickness :	
Cast Iron - not less than 10mm; or	
Full-welded metal steel - not less than 6 mm	
E. With built-in wood chipper:	
Chipping ability minimum requirement: Can chip up to 3cm diameter of softwood (If can chip bigger diameter of softwood, better)	
F. Shredding blades and chipping blades:	
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Verification (for 4140 steel):	
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b) During conduct of Acceptance Testing/Inspection which shall include- Chemical Analysis, Metal ID, of the blades by DOST- MIRDC and actual operation and performance testing in compliance to DA DC 16-2020.	
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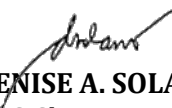
A. Rotational Speed: Minimum 1 turn and maximum 3 turns every 3 minutes.	
B. Drum:	
1) Material: stainless steel	
2) Main Panel: Thickness: not less than 1.4mm	
Side Panels: Thickness: not less than 1.2mm	
3) Volumetric capacity: At least 2 cubic meters	
4) Input Capacity by weight: 1 ton (per batch)	
5) With Baffles:	
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With Discharge window and blower	
C. Shaft Support and rotary composter stand:	
Angle bar size: At least 3"x3"x1/4" (standard size) (or 76mm x 76mm x ~6mm) or Channel Bar: At least 2" x 4" x 6mm (Tolerance for width: + or - 3mm; tolerance for thickness: + or minus 1mm); With diagonal corner bracings on stands required for angle bars (3"x3"x1/4").	
With square metal footing or circular footing to improve bearing contact area to the ground: Dimensions: 5in x 5in to 6in x 6in, For circular footing: diameter 5in-6in; thickness: 6mm-12mm, edges removed	
D. Power Source	
1) Power: Minimum= 1 hp or 0.746kW	
2) 220V	
3) Single-phase induction motor	
Transmission: Free-wheel after engine stop so as the weight of the substrate does not stress the engine after stop	
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5) Power cord length: at least 6 meters	
E. Other Parts/Provisions for Rotary Composter	
1. Discharge chute, stainless steel at least 1.4 mm (optional)	
2. Ladder - (optional as needed)	
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Shall be free from manufacturing defects, sharp edges and surfaces other than the cutting mechanism to ensure safety of the operators	
Note: 1 Brand 1 Model for each component.	
H. Bolts and nuts must be stainless	
I. Other provisions:	
1.a. With colored signage containing the BSWM and Banner Program logos to be provided/confirmed by end-user (shredder and rotary composter)	

1.b. DA-BSWM colored signage on all sides of the equipment (shredder and rotary composter)- Final design and size shall be approved during contract implementation	
1.c. signage on do's and dont's/ simple steps-	
2. With serial number on metal steel plate	
J. Other Submissions: Submit as part of your technical proposal	
1) Detailed Engineering Design	
a) Indicating major parts and specifications, including measurements, scale, and other important details, of the shredder and composter contained herein.	
b) Signed and sealed by a Registered Agricultural and Biosystems Engineer with a valid copy of PRC License attached.	
c) Submitted during submission of bids as part of technical proposal.	
2) Certificate of Availability of Stocks and its location. Please refer to Section VI. Schedule of Requirements	
Note: * List of major materials: Angle bars, steel/metal sheets, plates for blades * Bidder shall provide an inventory of assembled units and raw materials during the post-qualification.	
3) Operations Manual in which shall include:	
3.a) Warranty Certificate * For parts: minimum of 2 years * After sales service warranty: lifetime Note: Original copy shall be submitted during Post-Qualification	
3.b) Drawings/photos indicating major parts and functions	
3.c) Instructions on how to operate, troubleshoot, replace blades which shall be written in English and Filipino language. Printed in understandable text with illustrations.	
3.d) Certificate of Availability of Service Centers or Service Provider - with location and contact information of the suppliers nearest Service Center or Service Provider * In case of service center: At least 1 per region; with list of addresses, contact persons, and contact details; or * In case of service provider: Contract, proof of training of service provider personnel, list of personnel provided with training. Reference: PNS/BAFS/PAES 192:2016: Guidelines on After-Sales Service	
4) Valid NAMDAC Certificate as manufacturer/ fabricator	
Verification: During Post-Qualification	
Note: Biomass shredder and rotary composter shall be on the product line of Bidder during Post-qualification	
5) Valid BAFE Permit to Operate Certificate as manufacturer/ fabricator	
Verification: During Post-Qualification	
Note: Biomass shredder and rotary composter shall be on the product line of Bidder during Post-qualification	
6). Video of How to Operate, troubleshoot, replace blades- shall be accessible thru internet (QR codes shall be provided on the signage- refer to R.1a) preferably in Filipino or Taglish. Verification: During Post-Qualification	
K. Hands-on Training Provision from Supplier:	
Training provisions from supplier shall include the following topics:	
* Operation and maintenance of the equipment using the technology package offered	
* Detailed description of its major parts and its functions	
* Maintenance and troubleshooting	
* Hands-on training-Demonstration of overall operation (mechanism and proper use of auxiliary parts), and maintenance of the machine	

1) For the End-Users:	
* Bureau of Soils and Water Management (BSWM), DA Banner Programs and other DA Offices	
* Hands-on Training prior to 1st delivery with meals for maximum of 100 pax (Venue: BSWM, QC)	
2) For the Beneficiaries:	
*Hands-on Training for at least 2 representatives per beneficiary for at least 1 day.	
*Hands-on Training will be conducted at the delivery site prior to distribution to beneficiaries in coordination with DA-RFOs and BSWM.	
* Meals if required, shall be shouldered by the supplier.	
* Report and full documentation with photos and videos of training shall be submitted to BSWM prior to payment.	
* Certificate shall be provided to actual attendees	
* Training Schedule: Earliest schedule is anytime after delivery until 30 calendar days after inspection and acceptance of delivered units	
3) Resource Speakers/trainors shall be Qualified/ Knowledgeable to discuss/train on the required topics.	
L. Point of Delivery: Department of Agriculture – Regional Field Offices/Station Note: one region may provide more than one field office/station. Coordination will be during contract implementation.	
M. Compliance with Section VI. Schedule of Requirement	
N. Conformity to Section VII- signed by the Authorized Representative and certified and sealed by Agricultural and Biosystems Engineer per Section 27 (e) under RA 10915	
O. Prices are inclusive of VAT and Freight services	
P. During implementation: Upon transfer of technology packages to beneficiaries, the supplier shall coordinate with the beneficiary and provide appropriate actions required per Section IV. General Conditions of Contract and Section V. Special Condition of Contract (SCC) of the bidding document as part of the contract.	
Q. For Joint Venture: Joint Venture Agreement or Notarized Statement (from all potential partners) shall include the following provisions:	
1. Roles and responsibilities (contributions) of each joint venture partners	
2. To be signed by all Joint Venture Partners	
3. Assign specific Authorized Representative for this project	
4. Duly notarized	
NOTE: Failure to comply in any of the specifications during contract implementation with the required specification prior to, distribution shall be ground for termination of contract and/or blacklisting.	
III. Attachments	
A. One (1) or Two (2) units Compost Tea Brewer	
Double-barreled compost agitator with a minimum of 3 outside bubblers	
30 liters brewing capacity	
220 volts	
With manual operations	
B. Manual Compost Siever	
Made of high-quality steel frame and 304 stainless	

Capacity: 5 bags/hour of compost	
C. Manual Compost Presser	
18-inch height, Mild Steel plate 3/16, with 16 inch diameter	
Supported by a 3/16 angle bar, 18-inch height	

For guidance and information of all concerned.



Digitally
signed by

DENISE A. SOLANO
BAC Chairperson

Solano Denise
Araullo