

Republic of the Phillipines Department of Agriculture **BUREAU OF SOILS AND WATER MANAGEMENT** SRDC Bldg., Elliptical Road corner Visayas Avenue, Diliman, Quezon City

SUPPLEMENTAL BID BULLETIN

ADDENDUM NO. 2021-02-016-01

This Addendum is issued to modify items in the Bid Documents. This shall form an integral part of the Bid Documents. The following agreements and reminders were discussed during the Pre-Bid Conference held last **March 4, 2021** for the **PROCUREMENT OF SUPPLY AND DELIVERY OF 61 UNITS OF SMALL-SCALE COMPOSTING FACILITY (SSCF)FOR CY 2021** with an ABC of **TWENTY SEVENMILLION FOUR HUNDRED FIFTY THOUSAND PESOS (PHP 27,450,000.00).**

The Bureau is now adopting_the GPPB Resolution No. 16-2020 dated September 16, 2020 (Simplified PBDs shall be used for Competitive Bidding of Procurement Projects that will be posted upon its effectivity on 06 October 2020).

AGREEMENTS AND REMINDERS DURING THE PRE-BID CONFERENCE:

REVISED TECHNICAL SPECIFICATION:

| | FINAL SSCF |
|----|---|
| 1 | 1. One (1) unit Biomass Shredder Machine |
| 2 | Minimum capacity of 1 ton per hour at the following conditions: |
| | Heavy duty. No breakdown of major parts for at least 6 months of continuous use. Proof to |
| 3 | be verified during Post-Qualification from previous deliveries. |
| 4 | Shredding efficiency shall be at least 90%. |
| 5 | High quality tool steel blades. |
| | Casted (Cast Iron) /Seamless Metal Steel (No welding on the body) shredding chamber with |
| 6 | thickness of not less than 10mm. |
| 7 | Built-in wood chipper capable of chipping softwoods up to 3cm diameter. |
| 8 | Checkered feeding plate and hopper/funnel; not less than 1.7mm thickness. |
| | Belt cover or guard and provisions for belt tightening (with tensioner) and adjustments shall |
| 9 | be provided. |
| 10 | Cutting mechanism/blades shall be replaceable and can be sharpened. |
| | It shall be free from manufacturing defects, sharp edges and surfaces (other than the cutting |
| 11 | mechanism) to ensure safety of the operators. |
| 12 | With one (1) set spare steel blades. |
| | With operations manual and maintenance tools (grease guns, rubber mallet, set of |
| 13 | combination wrenches and plastic goggles). |
| | Must conform to the manufacturing requirements; performance requirements; safety, |
| 14 | workmanship, and finish; and markings as contained in PNS/PAES 244:2010. |
| | Power Source: At least 7-Hp Diesel Engine, water cooled with the following |
| 15 | continuous running condition: |
| 16 | Fuel consumption at full load= 2.3 L/hr (maximum). |
| 17 | Single horizontal cylinder, 4 stroke cycle. |
| 18 | Easy manual cranking. |
| 19 | Dry weight: 70 kg (maximum). |
| 20 | With standard engine tools. |
| | Must conform with the performance requirements; workmanship and finish; maintenance |
| | and operation tools requirements, including instruction manual; marking and labelling; and |
| 21 | other requirements as contained in PAES 116:2001. |
| | Type of Power Transmission: belt -driven with biomass shredder machine and power |
| 22 | source mounted on a common steel base. |
| | Mobile 4 wheeled shredder (mounted on a heavy-duty common steel base with heavy-duty |
| 23 | rubber wheels of at least 6 inches in diameter for easy mobility). |



| | Certificate of availability of stocks for the biomass shredder machine (assembled or |
|----|--|
| | unassembled parts) 40% of the total required units for the project to cover the April and |
| 24 | May requirement. |
| 25 | AMTEC tested (biomass shredder machine with engine)-Certified True Copy by AMTEC. |
| 26 | AMTEC tested (engine only)-Certified True Copy from the source company. |
| | Certificate of Warranty for at least two (2) years for parts, defective materials and |
| 27 | workmanship (this will form part of the contract). |
| 28 | Certificate of Lifetime sales service warranty (this will form part of the contract). |
| | Submission of plans, drawings and other documents pertaining to the biomass shredding |
| 29 | machine signed and sealed by a registered agricultural and bio- systems engineer. |
| 30 | 2. Minimum of Two (2) units Electric-powered Compost Tea Brewer with ff condition: |
| 31 | Double-barreled compost agitator with minimum of 3 outside bubblers. |
| 32 | 30 liters brewing capacity per brewer. |
| 33 | Power supply: 220 volts input. |
| 34 | With standard tools and accessories: screw drivers and pliers, etc. |
| 35 | 3. Compost Worm (African Night Crawler) (Minimum of 15 kgs/package) |
| 36 | 4. Other Requirements for the package: |
| | Availability of 1-unit SSCF technology package for demonstration during post-qualification. |
| 37 | Specify location (complete address) of demo unit under the "Comply" statement. |
| 38 | Point of Delivery: Project site (as shown in the distribution list). |
| | Must conform with the requirements of services and parts availability, training, maintenance |
| 39 | and operation as contained in PNS/BAFS/PAES 192:2016. |
| | Hands-on Training on the operation and maintenance of Small-Scale Composting Facility |
| 40 | Package. |
| 41 | NAMDAC Accreditation document. |
| 42 | Compliance to Section VI. Schedule of Requirements. |
| | Must have a proof of demonstrated capability to deliver composting facilities such as |
| | completed contracts for delivery of large number of machineries for composting |
| | facilities/waste management/material recovery facilities in a short period time. (Contract, |
| 43 | Official Receipt, Acknowledgement/Acceptance of the Procuring Entity) |
| 10 | |

- ✓ The documents required for eligibility, technical proposal and financial proposal are found at Section VIII Checklist of Technical and Financial Documents of the bidding document.
- ✓ For SLCC, similar contract shall be Contract for Supply and Delivery of agricultural / processing machineries, equipment, and or its equivalent completed within 3 consecutive years

The Bidder must have Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%) (PhP 13,725,000.00) of ABC.

The **largest** of these similar contracts must be equivalent to **at least half of the percentage of the ABC as required above**. (PhP 6,862,500.00)

 Please see attached sample form for Single Largest Completed Contract (SLCC) and form for Statement of all ongoing Government & Private Contracts including Contracts Awarded but not yet started for your reference (ANNEXES A and B).

Note: if no ongoing projects/ contracts, please state "none" or "no ongoing projects/contracts" in the form for the Statement of all on going Government and Private Contracts.

✓ Delivery of the Goods/Services is required until August 31, 2021. See Schedule of Requirements and Distribution List (Please see the attached Revised Distribution List-ANNEX C).



✓ **Awarding is per lot basis.** One Project which shall be awarded as one contract.

Bidders who wish to attend the Opening of sealed Bids will be allowed thru videoconferencing (via Zoom) as per GPPB Resolution No. 24-2018. Please coordinate with the BAC Secretariat a day before the Opening of bids thru <u>bswm.bacsec@gmail.com</u>. Said activities will also be available "live" through BSWM Procurement Service FB Page (<u>https://www.facebook.com/bswmpms</u>).

For bank-to-bank payment (Land bank of the Philippines), please coordinate with the BAC Secretariat thru <u>bswm.bacsec@gmail.com</u>.

REITERATION OF THE BIDDING DOCUMENTS:

Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act"

"Any lacking documents can cause the automatic disqualification of bids."

Below are the acceptable forms of bid security that bidders may opt to use, which shall include the Bid Securing Declaration. The amount of which shall not be less than the required percentage of the ABC in accordance with the following schedule:

| Form of Bid Security | Amount of Bid Security (Not less than the required Percentage of the ABC) |
|---|---|
| Cash or cashier's/manager's check issued by a Universal or Commercial Bank. | Two percent (2%) |
| 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. | |
| Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. | Five percent (5%) |

Please be guided that the surety bond issued by GSIS as well as a cash deposit certificate is no longer accepted.

The bidders are reminded that their Bids and Bid Securities should be valid and firm for a period that shall not exceed one hundred twenty (120) calendar days after the date of the opening of bids

The computation of a prospective bidder's NFCC must be at least equal to the ABC to be bid, calculated as follows:

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NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under going contracts, including awarded contract yet to be started, coinciding with the contract to be bid.

Note: K= 15 is a constant factor per RA 9184 Revised IRR

The bidders shall submit two (2) separate envelopes, placed in one sealed envelope. An illustration is provided on the bidding documents showing the required envelopes and markings of the documents for the eligibility screening, technical and financial proposal. For lot projects, separate Bid Proposal Envelopes per Lot.

The bidders shall submit one (1) copy of original documents (certified true copies) and one (1) duplicate copy.

The bidders are reminded of the requirements to be submitted within five (5) calendar days after the receipt of the Notice from the BAC that your bid has been identified as the Lowest Calculated Bid (LCB) and subject for Post-Qualification of BAC TWG as stated in ITB Clause no. 20.2 of the Bid Documents.

Also, submission of the required Performance Security and Signed Contract Agreement within ten (10) calendar days after the receipt of Notice of Award (NOA) as Single/Lowest Calculated and Responsive Bid (SCRB/LCRB) as stated in RA 9184 Section 37.2.1 and Section 37.2.

The **Omnibus Sworn Statement shall be part of the Technical Proposal** in accordance with Section 25.2(a)(viii) of the IRR of RA 9184, using the **revised OSS as of October 6, 2020.**

For **GPPB updated bidding forms**, please refer to GPPB website at www.gppb.gov.ph (<u>https://www.gppb.gov.ph/downloadables.php</u>)

Only bidders with a Platinum PhilGEPS membership are allowed to join competitive biddings as per GPPB Circular No. 07-2017 dated July 31, 2017.

An authorization letter and photocopy of company ID for the representative of the bidders who shall submit the bids in behalf of their company is required to be submitted on BAC Secretariat.

In case of withdrawal, a letter stating their intention to withdraw from the project should be submitted by the bidder before the scheduled Opening of Bids.

For easy reference, all bidders shall provide dog-ear codes in the presentation of their documents.

All pages/documents must be duly signed by the authorized representative (original and duplicate proposal).

Deadline of submission of bidding documents is on March 18, 2021, 9:00AM.

Opening of Bids is on March 18, 2021, 9:30AM at BSWM Convention Hall.



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Schedule of Submission and Opening of Bids is subject to change due to Community Quarantine enforced by the government in line with the COVID-19 pandemic. Please refer to the BSWM PhilGEPS posting for updates (https://www.philgeps.gov.ph/) and BSWM FB page https://www.facebook.com/bswmpms.

For guidance and information of all concerned.

GINA/P. NILO

March 5, 2021



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ANNEX A

Statement of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started

Business Name:

| Name of Contract/ Project Cost a. Owner's Name Address c. Nature Total Cost Bidders Role Address c. a. Date Role Date Started Completion a. Mature Planned % of Accomplishment Planned Value of Planned Valu | Business Address: | SS | | | | | | |
|--|---------------------------|---|---|-------------|-----|------------|------------|---------------------|
| Intract/ act Cost Contrest Nature Address Nature of Work Description % b. Date Started Completion Planned Actual Iment Iment <td< td=""><td>Namo of</td><td>a Dumor's Nam</td><td>></td><td>Bidders Ro</td><td>ole</td><td>% of Accom</td><td>nplishment</td><td>Vialua of</td></td<> | Namo of | a Dumor's Nam | > | Bidders Ro | ole | % of Accom | nplishment | Vialua of |
| | Contract/ Project Cost | b. Address c. Telephone No | | Description | % | Planned | Actual | Undelivered Portion |
| | Government | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total Cost | Private | | | | | | | |
| Total Cost | | | | | | | | |
| Total Cost | | | | | | | | |
| | | | | | | Total Cost | | |

| Submitted by: | (Printed Name and Signature) |
|---------------|------------------------------|
| Designation: | |
| Date: | |





| Date: | Designation: | Submitted by: | Notice of Award OR Notice to Proceed issued by the End user OR its equivalent; Copy of actual contract OR its equivalent; and Certificate of Completion OR End-user's Acceptance OR Proof of payment | Note: The following documents shall be presented for verification of the above Total statement during Post-Qualification: | | | b. Address | Name Nature of Bidders Role a. Date Awarded | Statement of Completed Similar Contracts Business Address: | |
|-----------------|--------------|---------------|--|---|--|--|----------------|---|--|--|
| ≤ 10000 p v1000 | | | | | | | Value of Works | VI-La STATAT | | |

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ANNEX C.

| Allocatio Organic A CY 2021 | Allocation for Small Scale C Organic Agriculture Program CY 2021 | Allocation for Small Scale Composting Facility (SSCF) Organic Agriculture Program CY 2021 | ty (SSCF) | | |
|-----------------------------------|--|---|--------------------------|--|--|
| Region | No. of Allocation | Province | Municipality | Beneficiary | Point of Delivery |
| | 1 | Benguet | Itogon | LGU-Itogon | Municipal Local Government Unit of Itogon, Benguet |
| | 4 | | | Bunguton Ikkoy Imbangnge Ipeheng Pohngar Small Water Irrigation System Association Inc. | Bunguton Ikkoy Imbangnge Ipeheng Pohngar Small Water Irrigation |
| LAK | | Ifugao | Banaue | (BIIIPSWISA) | System Association Inc. (BIIIPSWISA), Banaue, Ifugao |
| | 1 | Benguet | La Trinidad | LGU La Trinidad | Municipal Local Government Unit La Trinidad, Benguet |
| | 1 | Benguet | Mankayan | Bato-Pakedlan Irrigators Association | Bato-Pakedlan Irrigators Association, Mankayan, Benguet |
| | 4 | | | | |
| | 1 | Ilocos Sur | Sinait | Paratong Macabiag Irrigators Association | Paratong Macabiag Irrigators Association, Sinait, Ilocos Sur |
| | 1 | Ilocos Sur | Sta Maria | Burgos Sta Maria Irrigators Multipurpose Cooperative | Burgos Sta Maria Irrigators Multipurpose Cooperative, Sta Maria, Ilocos Sur |
| I | 1 | Ilocos Norte | Laoag City | Provincial Agriculture Office Laoag City, Ilocos Norte | Provincial Agriculture Office Laoag City, Ilocos Norte |
| | 4 | La Union | Naguilian | Sugna Farmers, Fisherfolks and Homemakers Association | Sugna Farmers, Fisherfolks and homemakers Association, Naguilian, La Union |
| | 4 | | | | |
| | Ч | Cagayan | Tuguegarao City | Provincial Veterinary Office | Provincial Veterinary Office, Tuguegarao City, Cagayan |
| II | | Cagayan | Allacapan | BLGU Iringan | Barangay Local Government Unit Brgy. Iringan, Allacapan, Cagayan |
| | щ | Isabela | Delfin Albano | Aneg Swis Water Service Coop | Aneg Swis Water Service Coop, Delfin Albano, Isabela |
| | 1 | Isabela | Ilagan | BLGU Bating | BLGU Bating, Ilagan, Isabela |
| | 4 | | | | |
| | 1 | Nueva Ecija | Santa Rosa | Malacanang Farmers Association | Malacanang Farmers Association, Brgy. Malacañang, Sta Rosa, Nueva Ecija |
| III | 1 | Nueva Ecija | Science City of Muñoz | Balante Communal Irrigators Association | Balante Communal Irrigators Association, Science City of Muñoz, Nueva Ecija |
| | 1 | Nueva Ecija | San Jose | Maasip Tribal Organic Farmers Association | Maasip Tribal Organic Farmers Association, San Jose, Nueva Ecija |
| | 1 | Nueva Ecija | Talavera | Municipality of Talavera | Municipality of Talavera |

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| | VII | | | | | | IA | | | | V | | | | | IV-B | | | | | IV-A | | | | |
|---|--|---|--|---|--|--|---|--|---|---|---|---|---|---|--|--|---|---|--|--|--|-----------------------------------|-----------------------------|--|---|
| 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | з | Þ | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| Cebu | Negros Oriental | Negros Oriental | Bohol | | Negros Occidental | Negros Occidental | Iloilo | Aklan | | Masbate | Masbate | Albay | | Palawan | Occidental Mindoro | Occidental Mindoro | Occidental Mindoro | | Laguna | Laguna | Laguna | Metro Manila | Laguna | Laguna | |
| Toledo | Bayawan City | Bayawan City | Duera | | Murcia | Patnongon | Miag ao | Makato | | Aroroy | Milagros | Pio Duran | | Narra | Mamburao | Rizal | San Jose | | Calauan | Majayjay | Rizal | Quezon City | Bay | Bay | |
| Toledo United Farmers, Fishermen, Women/Men Workers Federation (TUFFWOW Corporation) | Maharlika Community Entrepreneurs Agrarian Reform Cooperative | Organic Farmer Practitioner of Bayawan City (OFRAB) | Guinsularan National High School(GNHS) DepEd | | Cansilayan National High School | Cuyapiao Farmers Association | Igtuba Farmers Association | Aklan Provincial Organic Producers Association (APOPA) | | Jaboyoan Farmers Association | Milagros High School | Pio Duran Farmers Association | | Asia Pacific Island New Hope Ministries, Inc. | Maculbo Eco Farm (ATI Accredited Learning Site) | Kaagapay Sa Kabuhayan Sustainable Livelihood Project | Pangakalikasan Samahan ng Buhid sa Bato Singit | | Inang Kalikasan Agricultural Cooperative | Majayjay Organic Farmers Association | Rizal Laguna Upland Farmers Association | Kingspoint Homeowners Association | Arnold and Paz Organic Farm | Dila Multipurpose Cooperative Inc. | |
| Toledo United Farmers, Fishermen, Women/Men Workers Federation (TUFFWOW Corporation) Upper Dakit, Cabito-onan, Toledo City, Cebu | Maharlika Community Entrepreneurs Agrarian Reform Cooperative, Brgy. Dawis, Bayawan City, Negros Oriental | Organic Farmer Practitioner of Bayawan City (OFRAB), Bayawan City, Negros Oriental | Guinsularan National High School(GNHS) DepEd, Duera, bohol | | Cansilayan National High School, Murcia, Negros Occidental | Cuyapiao Farmers Association, Patnongon, Antique | Igtuba Farmers Association, Miag ao, Iloilo | Aklan Provincial Organic Producers Association (APOPA), Makato, Aklan | | Jaboyoan Farmers Association, Aroroy, Masbate | Milagros High School, Milagros, Masbate | Pio Duran Farmers Association, Pio Dura | | Asia Pacific Island New Hope Ministries, Inc., Narra, Palawan | Maculbo Eco Farm (ATI Accredited Learning Site), Mamburao Occidental, Mindoro | Kaagapay Sa Kabuhayan Sustainable Livelihood Project, Rizal, Occidental Mindoro | Pangakalikasan Samahan ng Buhid sa Bato Singit, San Jose, Occidental Mindoro | | Inang Kalikasan Agricultural Cooperative, Barangay Dayap, Calauan, Laguna | Majayjay Organic Farmers Association, Majayjay, Laguna | Rizal Laguna Upland Farmers Association, Rizal, Laguna | Novaliches, Quezon City | Tranca Bay, Laguna | Dila Multipurpose Cooperative, Bay, Laguna | |

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| | | | VII | | | | IX | | | | | X | | | | | IX | | | | | Υ 111 | VIII | | |
|---|--------------------------------------|--|--|---|---|---|---|--|---|---|--|--|---|---|---|---|---|---|--|---|--------------------------------------|---|---|--|---|
| 4 | ₽ | 1 | 1 | 1 | 4 | Ъ | 4 | 1 | 1 | 4 | 1 | 1 | 1 | Þ | 4 | щ | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 |
| | South Cotabato | Sultan Kudarat | Cotabato | Cotabato | | Davao Oriental | Davao City | Davao del Norte | Davao de Oro | | Misamis Oriental | Misamis Occidental | Lanao del Norte | Bukidnon | | Zamboanga Sibugay | Zamboanga del Sur | Zamboanga del Norte | Zamboanga del Sur | | Leyte | Leyte | Western Samar | Leyte | |
| | Tupi | Lebak | Kidapawan City | Pigcawayan | | Tarragona | Davao City | San Isidro | Monkayo | | Alubijid | Ozamis City | Bacolod | Malaybalay | | Tungawan | Josefina | Siayan | Dimataling | | Leyte | Baybay City | Sta Margarita | Babatngon | |
| | Palian Christian Farmers Association | Municipal Government Unit of Lebak, Sultan Kudarat | ATI learning site for Agriculture | New Life Community Outreach Pigcawayan | | LGU Tarragona, Davao Oriental | Cadalian Central Elementary School Baguio District, Davao City | Mamangan Farmers Organization | LGU Monkayo, Davao de Oro | | Tugasnon Farmers Cooperative | Gotocan Diot Organic Farmers Practioners | Queensland farm | Dalwangan Elementary School | | Adventist Organic Farming Association | LGU- Josefina | Polayo Organic Farmers Association | Josefina WEMRIC | | Conchita's Farm School | Godoy Land Diversification Farm (GOLD Farm) School | Cagsumje, Canipulan, Solsogon Farmers Association (CCSFA) | Sitio Sogod Farmers Association (SISOFA) | |
| | Palian Christian Farmers Association | Municipal Local Government Unit of Lebak, Sultan Kudarat | ATI learning site for Agriculture, Kidapawan City, Coatabato | New Life Community Outreach, Pigcawayan, North Cotabato | | Municipal Local Government of Tarragona, Davao Oriental | Cadalian Central Elementary School Baguio District, Davao City | Mamangan Farmers Organization, San Isidro, Davao del Norte | Municipal Local Government of Monkayo, Davao de Oro | | Tugasnon Farmers Cooperative, Alubijid, Misamis Oriental | Gotocan Diot Organic Farmers Practioners, Ozamis City, Misamis Occidental | Queensland farm, Bacolod, Lanao del Norte | Dalwangan Elementary School, Malaybalay, Bukidnon | | Adventist Organic Farming Association, Tungawan, Zamboanga Sibugay | Municipal Local Government of Josefina, Zamboanga del Sur | Polayo Organic Farmers Association, Siayan, Zamboanga del Norte | Josefina WEMRIC, Dimataling, Zamboanga del Sur | | Conchita's Farm School, Leyte, Leyte | Godoy Land Diversification Farm (GOLD Farm) School, Baybay City, Leyte | Cagsumje, Canipulan, Solsogon Farmers Association (CCSFA) Sta Margarita, Western Samar | Sitio Sogod Farmers Association (SISOFA), Batbangon, Leyte | |

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| | | Surigao del Sur | Surigao del Sur | Surigao del Norte | | Agusan del Norte | |
| | | Cantilan | Carascal | Socorro | | Las Nieves | |
| | | LGU-Cantilan | LGU-Carascal | Nueva Estrella Consumers Cooperative | | Green Leaf Farmers Association | |
| 4 | | Municipal Local Government of Cantilan, Surigao del Sur | Municipal Local Government of Carascal, Surigao del Sur | Surigao del Norte | Nueva Estrella Consumers Cooperative, Nueva Estrella, Soccoro, | Norte | Green Leaf Farmers Association, Malicato, Las Nieves, Agusan del |

Section VII. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specificat

ions is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent*." References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

Technical Specifications

| Item | Specification | Statement of Compliance |
|------|---|--|
| | | [Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's 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.] |
| | TECHNOLOGY PACKAGE ON SMALL SCALE COMPOSTING FACILITY | |
| 1 | 1. One (1) unit Biomass Shredder Machine | |
| 2 | Minimum capacity of 1 ton per hour at the following conditions: | |
| 3 | Heavy duty. No breakdown of major parts for at least 6 months of continuous use. Proof to be verified during Post-Qualification from previous deliveries. | |
| 4 | Shredding efficiency shall be at least 90%. | |

| 5 | High quality tool steel blades. | |
|----|------------------------------------|--|
| 6 | Casted (Cast Iron) /Seamless | |
| Ũ | Metal Steel (No welding on the | |
| | body) shredding chamber with | |
| | thickness of not less than 10mm. | |
| 7 | Built-in wood chipper capable of | |
| , | chipping softwoods up to 3cm | |
| | diameter. | |
| 8 | Checkered feeding plate and | |
| 0 | hopper/funnel; not less than | |
| | 1.7mm thickness. | |
| 9 | Belt cover or guard and | |
| , | provisions for belt tightening | |
| | (with tensioner) and adjustments | |
| | shall be provided. | |
| 10 | Cutting mechanism/blades shall | |
| 10 | be replaceable and can be | |
| | sharpened. | |
| 11 | It shall be free from | |
| 11 | manufacturing defects, sharp | |
| | edges and surfaces (other than the | |
| | cutting mechanism) to ensure | |
| | safety of the operators. | |
| 12 | With one (1) set spare steel | |
| | blades. | |
| 13 | With operations manual and | |
| | maintenance tools (grease guns, | |
| | rubber mallet, set of combination | |
| | wrenches and plastic goggles). | |
| 14 | Must conform to the | |
| | manufacturing requirements; | |
| | performance requirements; | |
| | safety, workmanship, and finish; | |
| | and markings as contained in | |
| | PNS/PAES 244:2010. | |
| 15 | Power Source: At least 7-Hp | |
| | Diesel Engine, water cooled with | |
| | the following continuous running | |
| | condition: | |
| 16 | Fuel consumption at full load= | |
| | 2.3 L/hr (maximum). | |
| 17 | Single horizontal cylinder, 4 | |
| | stroke cycle. | |
| 18 | Easy manual cranking. | |
| 19 | Dry weight: 70 kg (maximum). | |
| 20 | With standard engine tools. | |

| 21 | Must conform with the | |
|----|---|--|
| 21 | | |
| | performance requirements; | |
| | workmanship and finish; | |
| | maintenance and operation tools | |
| | requirements, including | |
| | instruction manual; marking and | |
| | labelling; and other requirements | |
| 22 | as contained in PAES 116:2001. | |
| 22 | Type of Power Transmission: | |
| | belt -driven with biomass | |
| | shredder machine and power | |
| | source mounted on a common | |
| 22 | steel base. | |
| 23 | Mobile 4 wheeled shredder | |
| | (mounted on a heavy-duty common steel base with heavy- | |
| | duty rubber wheels of at least 6 | |
| | inches in diameter for easy | |
| | mobility). | |
| 24 | Certificate of availability of | |
| 24 | stocks for the biomass shredder | |
| | machine (assembled or | |
| | unassembled parts) 40% of the | |
| | total required units for the project | |
| | to cover the April and May | |
| | requirement. | |
| | (25 units) | |
| 25 | AMTEC tested (biomass | |
| _ | shredder machine with engine)- | |
| | Certified True Copy by AMTEC. | |
| 26 | AMTEC tested (engine only)- | |
| | Certified True Copy from the | |
| | source company. | |
| 27 | Certificate of Warranty for at | |
| | least two (2) years for parts, | |
| | defective materials and | |
| | workmanship (this will form part | |
| | of the contract). | |
| 28 | Certificate of Lifetime sales | |
| | service warranty (this will form | |
| | part of the contract). | |
| 29 | Submission of plans, drawings | |
| | and other documents pertaining | |
| | to the biomass shredding | |
| | machine signed and sealed by a | |

| | registered agricultural and bio- | |
|-----|---|--|
| | systems engineer. | |
| 30 | 2. Minimum of Two (2) units Electric-powered Compost Tea | |
| | Brewer with ff condition: | |
| 31 | Double-barreled compost | |
| | agitator with minimum of 3 | |
| | outside bubblers. | |
| 32 | 30 liters brewing capacity per brewer. | |
| 33 | Power supply: 220 volts input. | |
| 34 | With standard tools and | |
| | accessories: screw drivers and | |
| | pliers, etc. | |
| 35 | 3. Compost Worm (African | |
| | Night Crawler) (Minimum of | |
| | 15 kgs/package) | |
| 36 | 4. Other Requirements for the | |
| | package: | |
| 37 | Availability of 1-unit SSCF | |
| | technology package for | |
| | demonstration during post- | |
| | qualification. | |
| | Succification (complete | |
| | Specify location (complete address) of demo unit under the | |
| | "Comply" statement. | |
| 38 | Point of Delivery: Project site (as | |
| 50 | shown in the distribution list). | |
| 39 | Must conform with the | |
| | requirements of services and | |
| | parts availability, training, | |
| | maintenance and operation as | |
| | contained in PNS/BAFS/PAES | |
| | 192:2016. | |
| 40 | Hands-on Training on the | |
| | operation and maintenance of | |
| | Small-Scale Composting Facility | |
| 4.1 | Package. | |
| 41 | NAMDAC Accreditation | |
| 42 | document. | |
| 42 | Compliance to Section VI. Schedule of Requirements. | |
| 43 | Must have a proof of | |
| 40 | demonstrated capability to | |
| | deliver composting facilities such | |
| | denver composing facilities such | |

| | as completed contracts for | |
|----|------------------------------------|--|
| | delivery of large number of | |
| | machineries for composting | |
| | facilities/waste | |
| | management/material recovery | |
| | facilities in a short period time. | |
| | (Contract, Official Receipt, | |
| | Acknowledgement/Acceptance of | |
| | the Procuring Entity) | |
| 44 | Compliance to Section VI. | |
| | Schedule of Requirements | |

Name and Signature of Authorized Representative

Company Name

Date Signed