



NATIONAL FOOD AUTHORITY

Bids and Awards Committee



Visayas Avenue, VASRA, Diliman, Quezon City 1128

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SUPPLEMENTAL BID BULLETIN NO. 2

TWO (2) LOTS SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF RICEMILL AND GRAIN DRYER FOR THE NFA MODERNIZED WAREHOUSES IN SUPPORT TO BUFFER STOCKING PROGRAM AT VARIOUS NFA COMPOUNDS IN REGION VI & XII

(Project Identification No. 2025-12)

30 June 2025

The NFA Central Office Bids and Awards Committee (BAC) issues this Bid Bulletin to correct/ amend and clarify certain items in the Bid Documents relative to the bidding for the Supply, Delivery, Installation, Testing and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at Various NFA Compounds in Region VI & XII as follows:

I. CLARIFICATIONS

CLARIFICATION	RESPONSE
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re:Eligible Bidders: (ITB, Annex 2 & 3)</p> <p><i>In case for this tender, the bidder bid the products of foreign manufacturer for dryer and ricemill under their authorization, the bidder mention the manufacturer's record in Philippines. Please cofirm.</i></p> <p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re:Eligible Bidders: (Annex 3)</p> <p><i>In case the bidder tie up with the foreign manufacturer and import their products from the foreign country, who has completed contracts similar tvingo the Project under the name of 3Rd company in Philippines and/or their</i></p>	<p><i>The Statement of All On-going and Completed Government and Private Contracts and the Statement of Single Largest Completed Contract shall contain only contracts within the Philippines.</i></p>

<p><i>subsidiary in the 3rd country, can that contracts also be applicable for SLCC ?</i></p>	
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re:Bid and Payment Currencies</p> <p><i>In case the Bidder supply the equipment from outside Philippines, the bid prices can be quoted in US\$ for CIF portion plus local portion Bid and Payment Currencies and for the purpose of evaluation, US\$ portion shall be converted to Philippines currency based on the exchange rate on the day of the bid opening in the BSP. Please advise which rate (US\$ to Philippines Peso) will be applicable at the time of payment.</i></p>	<p>The rate in Philippine Peso shall be applicable at the time of payment.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re:SLCC</p> <p><i>May we kindly request that the phrase “ any agricultural machinery be considered aside to the term “similar contract” for the required SLCC for this tender.</i></p> <p>(Lifted verbatim from a letter of a prospective bidder dated 28June 2025)</p> <p>Re:SLCC</p> <p><i>Relative thereto and line with the “competitive bidding” spirit of the government procurement law, RA 9184 and its Implementing Rules and Regulations, may we humbly request the BAC to consider the following:</i></p> <ol style="list-style-type: none"> <i>Amending the SLCC criterion of “similar project” to “agricultural machinery” which will enable more bidders to participate in the bid, to the benefit and advantage of the NFA without compromising product quality, performance, reliability and durability.</i> <i>Adopt the “aggregate” provision in RA 9184 as to the acceptable SLCC contract amount</i> 	<p>SLCC must be for the supply, delivery, installation, testing, and commissioning of ricemill and grain dryer which value must be at least equivalent to half of the percentage of the ABC.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re: In-line, Interval-type Single Kernel Moisture Measurement System</p>	<p>Yes, it is acceptable to install the moisture</p>

<p><i>If impurities such as straw, empty paddies, and dust enter the moisture meter along with the paddy, it may lead to malfunctions. Would it be acceptable to install the moisture meter after Paddy Cleaner?</i></p>	<p>meter after the paddy cleaner, as long as the technical specifications for both components are complied.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re: Certification of Very satisfactory performance</p> <p><i>May we kindly request for consideration that any dual sourced dryer capacity customers be permitted as source of Customers to issue said requirement certification.</i></p>	<p>Only Certification from customers with supplied, delivered, installed grain dryer with biomass fuel heating system is accepted.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re: Paddy Millday Bin</p> <p><i>Can 1.1 Paddy Millday Bin listed in the Major Components be installed after the 1.2 Paddy Receiving Hopper?</i></p>	<p>No, this is not acceptable.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re: Brown Rice Tank</p> <p><i>In the General Specifications, Item 2.f states that Brown Rice moves to the Length Grader. Is Length Grader required to sort Short grain from long grain material and Short grain should be stored in one more additional Brown Rice Tank?</i></p> <p><i>How many tones of brown rice tank as a holding capacity required for storing Short grains (sorted by the length grader)? Is it approx. 2 tons?</i></p>	<p>No length grader is required before whitening and polishing.</p>
<p>(Lifted verbatim from a letter of a prospective bidder dated 27 June 2025)</p> <p>Re: The three blending tanks listed under Major Components.</p> <p><i>Is the Flow Balancer's capacity for each 10 tons per hour, or 13 tons per hour? Is a measurement accuracy of $\pm 0.5\%$ acceptable?</i></p>	<p>The Flow Balancer's capacity must be 13 tons. Measurement</p>

	accuracy of $\pm 0.5\%$ is acceptable.
<p>(Lifted verbatim from a letter of a prospective bidder dated 28 June 2025)</p> <p>Re: CCTV Installation</p> <p><i>In reference to the Project Bidding Documents (PBD) and the Technical Specifications, we noted that there are no specific instructions or guidelines provided regarding the designated locations for CCTV installation.</i></p> <p><i>With this, we would like to respectfully seek clarification on the following:</i></p> <ol style="list-style-type: none"> <i>Are there particular areas within the Ricemill and Dryer sections that are required or recommended for CCTV installation?</i> <i>Should CCTV cameras also be installed around the exterior of the warehouse for perimeter and access point monitoring?</i> 	<p>The CCTV must be able to monitor inventory movement and status, providing real-time insight, of the grain dryer and ricemill.</p> <p>CCTV cameras around the exterior of the warehouse are not required.</p>

II. AMENDMENTS

REFERENCE	REVISION / AMENDMENT	
	FROM	TO
<p>Section I.</p> <p>Invitation to Bid</p> <p><i>(Page 7)</i></p>	<p>For Lot 1: Region VI</p> <p>i. NFA Compound, Quintin Salas, Jaro, Iloilo City</p> <p>ii. NFA Compound, Poblacion 5, Dueñas, Iloilo City</p> <p>iii. NFA Compound, PD Monfort, Dumangas, Iloilo City</p> <p>3. xxx Bidders should have completed a contract similar to the project within five (5) years prior to the date of submission and receipt of bids. xxx</p>	<p>For Lot 1: Region VI</p> <p>i. NFA Compound, Quintin Salas, Jaro, Iloilo City</p> <p>ii. NFA Compound, Poblacion 5, Dueñas, Iloilo Province</p> <p>iii. NFA Compound, PD Monfort, Dumangas, Iloilo Province</p> <p>3. xxx Bidders should have completed a contract similar to the project within ten (10) years prior to the date of submission and receipt of bids. xxx</p>

REFERENCE	REVISION / AMENDMENT	
	FROM	TO
Section III. Bid Data Sheet (Page 20)	<p>ITB Clause 19.3 In all cases, the NFCC computation must be sufficient for all the lots or contracts to be awarded to the Bidder, if applicable.</p> <p>ITB Clause 20.2., III. DOCUMENTARY REQUIREMENTS FOR COMPLIANCE WITH EXISTING LAWS xxx 2. Conformity xxx as prescribed by Section 27.1 of RA 1091 ...</p>	<p>ITB Clause 19.3 In all cases, the NFCC computation must be sufficient for all the lots or contracts to be awarded to the Bidder, if applicable.</p> <p>As provided below in item 19.5 of Section II. ITB, a committed Line of Credit may be submitted in lieu of its NFCC computation.</p> <p>ITB Clause 20.2., III. DOCUMENTARY REQUIREMENTS FOR COMPLIANCE WITH EXISTING LAWS xxx 2. Conformity xxx as prescribed by Section 27.1 of RA 10915 ...</p>
Section III. Bid Data Sheet (Page 21)	<p>III. DOCUMENTARY REQUIREMENTS FOR COMPLIANCE WITH EXISTING LAWS xxx</p> <p>7. Copy of Equipment Manufacturer's Manual with Parts List of each rice mill system component & grain dryer system component and all accessories written in English or Filipino Vernacular to be presented during post qualification evaluation.</p>	<p>III. DOCUMENTARY REQUIREMENTS FOR COMPLIANCE WITH EXISTING LAWS xxx</p> <p>7. Copy of Equipment Manufacturer's Manual with Parts List of each rice mill system major component & grain dryer system major component written in English or Filipino Vernacular to be presented during post qualification evaluation.</p>
Section V. Special Conditions of Contract (Page 28)	<p>GCC Clause 1 Delivery and Documents - xxx <i>[For Goods supplied from abroad, state:]</i></p>	<p>GCC Clause 1 Delivery and Documents - xxx <i>[For Goods supplied from abroad, state:]</i></p>

REFERENCE	REVISION / AMENDMENT	
	FROM	TO
	<p>xxx For Lot 1: Region VI i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo City iii. NFA Compound, PD Monfort, Dumangas, Iloilo City</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> xxx For Lot 1: Region VI i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo City iii. NFA Compound, PD Monfort, Dumangas, Iloilo City</p> <p>GCC Clause 2.2 The terms of payment shall be as follows: xxx</p> <p>GCC Clause 4 3. Full load testing of the offered dryer, once installed, ensures compliance with technical specifications. Labor, operator and other manpower during the full load test shall be shouldered by the bidder.</p>	<p>xxx For Lot 1: Region VI i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo Province iii. NFA Compound, PD Monfort, Dumangas, Iloilo Province</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> xxx For Lot 1: Region VI i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo Province iii. NFA Compound, PD Monfort, Dumangas, Iloilo Province</p> <p>GCC Clause 2.2 The terms of payment shall be as follows: xxx Advance payment shall be in accordance with the provisions of Section 4.5 of Annex "D" of the 2016 Revised IRR of R.A. No. 9184.</p> <p>GCC Clause 4 3. Full load testing of the offered dryer, once installed, ensures compliance with technical specifications. Labor, operator, power, other manpower, and other incidental expenses during</p>

REFERENCE	REVISION / AMENDMENT	
	FROM	TO
		the full load test shall be shouldered by the bidder.
Section VII. Technical Specifications (Page 35)	<i>Supplemental Bid Bulletin No. 1</i> Please see attached specifications. Included herewith are the site plans for the respective lots.	Please see attached revised specifications. Included herewith are the site plans for the respective lots. ¹
Section VIII. Checklist of Technical and Financial Documents (Page 39)	<p><u>Project Requirements</u> Annex 22 (v) xxx</p> <p><u>Financial Documents</u> Annex 21 (w) xxx NFCC xxx</p> <p>Annex 22 (x) xxx JVA xxx</p> <p>II. SECOND ENVELOPE (FINANCIAL COMPONENT ENVELOPE) Annex 23 (y) xxx Bid Form xxx</p> <p>Annex 24 (z) xxx Price Schedule(s) xxx</p> <p><u>Other documentary requirements under RA No. 9184 (as applicable)</u> Annex 25 (aa) xxx Certification xxx</p>	<p><u>Project Requirements</u> Annex 22 (v) xxx</p> <p>Annex 23 (w) Certificate of Site Inspection for each site covered by the lot being bidden for.²</p> <p><u>Financial Documents</u> Annex 24 (x) xxx NFCC xxx</p> <p>Annex 25 (y) xxx JVA xxx</p> <p>II. SECOND ENVELOPE (FINANCIAL COMPONENT ENVELOPE) Annex 26 (z) xxx Bid Form xxx</p> <p>Annex 27 (aa) xxx Price Schedule(s) xxx</p> <p><u>Other documentary requirements under RA No. 9184 (as applicable)</u> Annex 28 (bb) xxx Certification xxx</p>

¹ See attached revised Technical Specifications.² See attached **Annex “23”**.

REFERENCE	REVISION / AMENDMENT	
	FROM	TO
	Annex 26 (bb) xxx DTI xxx	Annex 29 (cc) xxx DTI xxx
Section IX. Sample Forms (Page 41)	Annex 9 : Bid Form	Annex 26 : Bid Form ³ Annex 27a: Price Schedule for Goods Offered from Within the Philippines⁴ Annex 27b: Price Schedule for Goods Offered from Abroad⁵

All other provisions/instructions in the bid documents not mentioned in this Bid Bulletin shall remain in full force and effect without any modification.

Likewise, all items in the Bidding Documents not consistent with the above corrections shall be deemed changed and amended accordingly.


ENGR. JOHN ROBERT R. HERMANO
 Chairperson, Bids and Awards Committee

³ See attached **Annex "26"**.

⁴ See attached **Annex "27a"**.

⁵ See attached **Annex "27b"**.

Annex 26

BID FORM

Date : _____

Project Identification No. : _____

To: **NATIONAL FOOD AUTHORITY (NFA) – CENTRAL OFFICE**
NFA Building, Visayas Avenue, Barangay Vasra, Diliman, Quezon City

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to ***SUPPLY, DELIVER, INSTALL, TEST, AND COMMISSION THE RICEMILL AND GRAIN DRYER FOR THE NFA MODERNIZED WAREHOUSES IN SUPPORT TO BUFFER STOCKING PROGRAM AT VARIOUS NFA COMPOUNDS IN REGION/S*** _____ in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address	Amount	Purpose	of agent	Currency	Commission or gratuity
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_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

(if none, state “None”)]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

Supplemental Bid Bulletin No. 2

Supply, Delivery, Installation, Testing and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at Various NFA Compounds in Region VI & XII

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: _____

Legal capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Annex 27a

Price Schedule for Goods Offered from Within the Philippines

[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

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 per item	Transportation 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)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Annex 27b

Price Schedule for Goods Offered from Abroad

[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

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

1	2	3	4	5	6	7	8	9
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)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

BID FORM (TECHNICAL SPECIFICATIONS) National Food Authority - Central Office		
PURCHASE REQUEST NUMBER: END-USER: ITEM / LOT INFORMATION <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Item / Lot Description: Quantity: Unit of Measurement (unit/pcs/lot): Enumeration / Inclusions: </div> <div style="width: 55%;"> Lot 1: Supply, Delivery, Installation, Testing, and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at Various NFA Compounds in Region VI Two (2) Items Item 1: Grain Dryer Item 2: Ricemill </div> </div>		
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 Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii) .		
REQUIRED SPECIFICATIONS	STATEMENT OF COMPLIANCE	REFERENCES (include supporting documents) (attach brochure / technical data / website, etc.)
ITEM 1: 120 MT-Capacity Mechanical Grain Dryer		
I. General Specification		
<div style="border: 1px solid black; padding: 5px;"> 1. Mechanical Grain Dryer Features The mechanical grain drying facility shall be housed inside the warehouse for protection from inclement weather and to keep the quality of paddy being processed. Input Capacity: at least 120 MT of Fresh Paddy Per Day Wet or fresh paddy can be continuously received and pre-dried while the Batch Type Recirculating Dryer (BRD) is in operation. Pre-dried paddy shall be finally dried to 14% MC in the BRD to have a uniformly dried output when the BRD is available. The fresh paddy with moisture content as high as 30% shall be dumped at the receiving pit, and then moved to the paddy cleaner. The pre-cleaned paddy grains are then conveyed to wet paddy tank to reduce the moisture content using aeration system in to the wet paddy tank. The pre-dried grain should pass the hopper scale before it is conveyed to the batch type recirculating dryer for final drying down to 12% to 13% MC. </div>		

<p>The dried paddy shall then pass through the hopper scale before it shall be conveyed into the dried paddy tank for bagging or loading to silos for bulk storage.</p>		
<p>The above system/approach will greatly reduce post-harvest losses, especially during days of continuous rain which coincide with the period of abundant harvest. Wet paddy spoil rapidly if not pre-dried immediately within the day.</p>		
II. Major Components and Ancillary Equipment:		
<p>1. Receiving and Pre-cleaning Section Two (2) sets of grain receiving and pre-cleaning system shall be installed that are capable in receiving paddy in bulk or accept grains loaded in bulk truck and bagged paddy loaded in trucks or in small lots.</p>		
<p>1.1 Two (2) Units Dumping Pit/Receiving Hopper</p>		
<p>Both receiving hoppers are capable to receive paddy in bulk</p>		
<p>The paddy receiving hopper is flush-mounted in the roadway.</p>		
<p>Provided with concrete ramp capable of supporting fully loaded trucks with gross weight of 60 tons.</p>		
<p>It is made of all steel construction with angle bar stiffeners and supports.</p>		
<p>Provided with 35 mm round bar grating and a removable checkered plate cover for safety and protection when not in use.</p>		
<p>Provided with dust suction hood</p>		
<p>Designed to discharge grain at 30 TPH minimum</p>		
<p>Provided with manual intake gate to regulate grain flow</p>		
<p>Size of the hopper shall be based on Manufacturer's design and standard</p>		
<p>1.2 In-line, Interval-type Single Kernel Moisture Measurement System</p>		
<p>Continues data logging</p>		
<p>Moisture content reading range: 11MC to 38 MC</p>		
<p>With histogram and standard deviation features</p>		
<p>Moisture threshold feature with alarm</p>		
<p>Real-Time online mobile apps monitoring capabilities or can be monitored from the control room</p>		
<p>Cloud Storage: 5 years subscription</p>		
<p>1.3 Two (2) Units Paddy Cleaner with Aspirator</p>		
<p>Minimum Capacity: 15 tph per unit</p>		
<p>Minimum efficiency: 90%</p>		
<p>It can remove empty paddy, small, medium and large size impurities.</p>		
<p>Push button operation and control system with error indicator control</p>		
<p>1.4 Two (2) Units Fresh Paddy Tank</p>		

	Capacity: 30 Tons per unit		
	Hopper Bottom for self-emptying of grains		
	Provided with Level Sensor		
	Auto-discharge/shutter control		
	Provided with individual aeration fans at the bottom of bin		
	Serves as temporary holding bin and/or tempering bins of grains		
	Able to circulate wet paddy when necessary		
1.5 One (1) Unit Automatic Hopper Scale/Flow Scale			
	Minimum Capacity: 30 TPH		
	High throughput Capacity and high weighing accuracy of +/- 0.1%, full scale		
	Data and operation of the equipment can be monitored in the control room		
2. Drying Section			
2.1 Four (4) Units Batch Recirculating Dryers (BRD)			
	Holding Capacity: 30 MT per unit		
	Drying Capacity: 120 TPB combined capacity per day		
	Provided with Automatic Temperature adjustment based on paddy moisture reading		
	Dryer feature should automatically stop when the desired moisture content reaches the set MC value		
	Each main blower of the dryer is equipped with a cyclofan.		
	Performance Criteria for the dryers: a. Moisture gradient: 2.0% max b. Drying rate: 0.6 - 1% /h c. Drying efficiency: 75% min d. Heating system efficiency: 50% min Biomass fuel, direct-fired e. Drying Loss/Spillage: 1.0% max f. Blower flow rate, cmm/kg (cfm/ton): Manufacturer's Standard g. Static pressure, mm H2O (in.H2O): Manufacturer's Standard		
	Product quality (Palay output) - Allowable difference between the laboratory analysis and dryer's performance a. Cracked grain: 3% increase, max b. Head rice: 5% decrease, max c. Hulled/damaged grain: 2% increase, max		
2.2 One (1) Unit Biomass Fed Furnace			
	Heat Transfer Classification: Either direct-fired or indirect-fired type heating system that can adequately supply the needed heat requirement of the dryers		
	Fuel feed type: Cyclonic type or Gravity type or step-grated type fuel feeding system		
	The furnace should conform to the performance requirement of PNS/PAES 242:2010 -Agricultural Machinery – Biomass Furnace – Specifications		

2.3 One (1) Unit Automatic Hopper Scale/Flow Scale			
	Minimum Capacity: 30 TPH		
	High throughput capacity and high weighing accuracy of +/- 0.1%, full scale.		
	Data and operation of the equipment can be monitored in the control room		
3. Bagging Section			
3.1 Two (2) Units Dried Paddy Tank			
	Common wall for two units		
	Capacity: 30 Tons per unit		
	Provided with level sensor		
	Discharge chutes are provided with manual and pneumatic slide gate with dust control system		
	Provision of a "big bag" (TONNER BAG) filling machine/system with automatic weigher and it is equipped with a scroll conveyor belt to easily move the big bag .		
4. With manufacturer's, distributor's or bidder's certification that the proposed grain dryer brand, particularly its major components, would only be from a single brand			
III. Other Ancillary Equipment (Inclusion)			
1. Main Control Center			
	The drying facility shall be provided with air-conditioned control room that houses the main control panel and it will serve as office of the facility operator.		
	Walls shall be provided with fixed glass in order for the operator to monitor the drying operation		
	Grain movement and equipment operation are monitored and controlled in the control room		
	The operator can determine which bin is empty, partially or fully loaded and which equipment is operating through the corresponding pilot lights on the mimic flow diagram of the motor control system		
2. Electrical/Motor Control System			
	Provision inside the main control center of centralized electrical control panel using an integrated Programmable Logic Control (PLC) and Supervisory Control and Data Acquisition (SCADA), or equivalent technology and functionalities, that houses all related motor control components such as circuit breakers, magnetic contactors, alarm system, etc.		
	The control panel shall be provided with mimic flow chart where the running status and control of each dryer component is shown and represented by indicator lights.		
	With ammeter and voltmeter readout		
	Provided with on-off push button switch and individual circuit breaker for each motor		

<p>Provided with individual magnetic starter and overload protection for all electric motors</p> <p>The drying plant equipment should be electrically inter-locked to facilitate operation and prevent human errors. However, in case of emergency or need to vary the sequence of operation, the interlock system can be by-passed by authorized personnel and any individual or set of equipment can be operated independent of the other.</p> <p>All motors shall be (1) three-phase, (ii) 60 hz, and (iii) 440 volts, or as maybe appropriate for the given overall drying facility design.</p> <p>All electrical wires, sub-feeders and feeder lines shall be in conduits and run through wire trays from electric motors to the motor control center</p> <p>Pull boxes shall be provided for every branch circuit</p> <p>An Emergency Manual Switch Button (EMSB) shall be provided for every motor/equipment near the working area for emergency shut-off to avoid accident. Rigid steel conduit shall be used from the motor/equipment to the EMSB</p>		
<p>The drying plant shall be provided with three (3) units distribution transformer in bank to provide power for the facility's three-phase load</p> <p>All needed electrical fixtures and accessories for primary metering to energize the facility as required by the electric cooperatives shall be included and shall be shouldered by the contractor. These include:</p> <ul style="list-style-type: none"> i. Electric Meter ii. Current Transformer (CT) iii. Potential Transformer (PT) iv. Lightning Arrester v. Other necessary electrical fixtures and accessories 		
<p>3. One (1) Unit Diesel-Powered Emergency Power Generating Set</p> <p>Provision of one (1) unit diesel power generating set (gen-set) which is solely dedicated to energize the whole drying facility</p> <p>Gen-set must be able to provide stable and compatible power with the requirement of the whole drying facility including its ancillary equipment</p> <p>Provided with automatic transfer switch (ATS) for smooth and easy operation during occurrence of power interruption from the local electric cooperative</p> <p>Generator house shall be built to protect the generator set and electrical accessories from inclement weather</p>		
<p>4. Air Compressor Source</p>		

	Provision of centralized compressed air room with line filters, air dryers, air tanks which is intended for the pneumatic systems		
5. Provision of grain conveying mechanisms such as bucket elevator and drag chain conveyor to integrate the different stages of drying.			
	Bucket elevator and drag chain conveyor should be provided with service ladder, platform, and catwalk to be used during the conduct of repair and maintenance		
6. Provision of control tank with pneumatic control system			
	Control tank with pneumatic control system in all stages to synchronize grain flow and to avoid grain clogging		
	Pneumatic control system of grain diverters, control tank discharge shutters can be remotely controlled in the control room		
7. Provision of downspout with two-way valve, or three-way valve if necessary.			
	Attached to bucket elevator to divert grain flow from one stage to another stage of the process		
8. Dust Room and Dust Collection System			
	All sections where dust can be generated or emitted due to flowing or moving grains shall be fitted with dust-collection system		
	With Cyclone type separator with airlock valve, or dust filter, or combination of both		
	With centralized collecting conveyor for dryer cleaning fan and cyclofan impurities		
	Sheet metal ducting and connectors shall be airtight		
9. All "HOT AIR" (drying air) ducting and manifolds shall be stainless steel and round formed			
10. It shall be provided with features for access to parts during (1) repair, (2) maintenance, and (3) operation such as ladder, service platform, and catwalk.			
11. Biomass Furnace Room			
	Biomass-fed furnace shall be installed in the furnace room		
	Husk bin with auto feed control should be provided in each furnace for ease of loading fuel		
	Provision of disposal cart for the ashes generated/collected		
12. Spare parts storage room shall also be provided for safe keeping of supplies needed during the conduct of repair and maintenance			
13. The mechanical drying facility components and ancillaries shall be laid out in a manner that adequate working spaces are provided for every stage of the operating process			
IV. Additional Requirements			

1. The dried grain shall have no additional discoloration, no traces of unburned fuel or ashes on grain surface and no fermented or musty odor		
2. The dryer shall be provided with thermocouple and digital temperature controller to measure the actual air temperature entering the grain mass. The dryer is in sync with the furnace		
3. The dryer shall be provided with automatic moisture control to measure the actual grain MC and to prevent over drying of grains. Moisture control is in sync with the dryer operation. Automatic shut-off of the dryer once the desired grain moisture content is reached		
4. Adequate provision for fire control		
5. Adequate protection for all moving parts		
6. The noise emitted by the machineries shall not exceed 92 dB		
7. Mechanical grain dryer and its ancillaries shall be free from defects that may be detrimental to its use and shall be free from sharp edges and surfaces that may hurt the operator		
7.1 All metal parts should be machine bend, pressed and cut to avoid rough surfaces and all rough surfaces should be machine finished and smoothed		
7.2 The warning notice shall be in accordance with PNS/PAES 101:2000 – Agricultural Machinery – Technical Means for Ensuring Safety – General		
8. Ancillary components must be compatible with the major component		
8.1 The ancillary components need not be of the same brand or similar brands, provided that their capacity and efficiency are compatible with those of the major component.		
9. The drying facility and its ancillary shall be designed and built to be strong and sturdy to withstand seismic zone 4 earthquake		
10. Main parts of the mechanical dryer which has direct contact with the grain should be made of stainless steel. All other components and parts of the mechanical dryer should be pre-treated and powder coated		
11. The construction shall be rigid and durable without major breakdown of its components within one (1) year of operation		

<p>12. Warranty shall be provided to parts and services within two (2) years after the date of acceptance of the unit by the end-user, except on fast moving and easy to wear parts such as fan belts and grain buckets. General requirements of the warranty shall be in accordance with PNS/PAES 138:2004 – Agricultural Machinery – Guidelines on After Sales Service</p>		
<p>13. Every mechanical grain dryer unit and its key component shall be provided with basic tools, factory standard, operation and parts manual containing full information on parts list, method of installation and operation. The manual which conforms to PNS/PAES 102:2000 – Agricultural Machinery – Operator’s Manual – Content and Presentation shall be provided</p>		
<p>14. Contractor/Manufacturer/Dealer shall provide operation and maintenance training and after-sales service</p>		
Comprehensive training to NFA personnel with the following topics:		
a) Basic fundamental and principle of Grain Drying		
b) System operation and management of Drying Plant		
c) Operation, trouble shooting, repair and maintenance of Drying facility		
<p>15. The mechanical grain dryer shall be tested in accordance with PNS/PAES 202:2015 – Agricultural Machinery – Heated-Air Mechanical Grain Dryer – Methods of Test.</p>		
<p>16. Each component of the drying facility including its ancillary equipment shall be marked at a prominent place with the information below. The following markings and labeling shall conform to PNS/PAES 201:2015:</p>		
<ul style="list-style-type: none"> • Registered trademark of the manufacturer • Name and address of the manufacturer • Name and address of the importer/distributor • Country of manufacture/ Made in the Philippines • Type; Serial number • Load capacity, metric tons • Rated power/voltage/ frequency/ phase, in metric units • Shipping information • Dry weight in metric units • Dimensions in metric units • Safety/Precautionary markings 		
<p>17. Standard set of heavy duty tools appropriate for the conduct of repair and maintenance of the facility which is made of tempered steel and chrome vanadium</p>		

a. One (1) set socket wrench (No. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 27, 30, 32, minimum)		
b. One (1) set combination wrench (open and box, 10 pcs-size appropriate to the rice milling system)		
c. Adjustable wrench: 300 mm, minimum		
d. Electrical plier: 200 mm, minimum		
e. Screwdriver: Philips and flat head, 300mm, minimum		
f. Grease gun: 250mm cylinder length, minimum		
g. Mechanical pliers: 200mm, minimum		
h. Heavy duty toolbox and roll up tools holder that could accommodate those required tools		
i. Machinery Testing Equipment		
i. Tachometer		
ii. Digital Thermometer		
iii. Airflow meter		
j. Vacuum cleaner		
Rated input power: 1,000 W, minimum Maximum air flow: 3 cubic meter/minute Capacity: 30 liter, minimum Power cord: 5m, minimum Features: high capacity and high suction		
18. All component and drying system shall be compliant with PNS/BAFS FABES 201:2015 AMTEC and NFA tested upon installation at contractor's cost for each units as condition for acceptance and final payment		
19. Process flow layout and schematic diagram of the drying system duly signed and sealed by Licensed Agricultural Engineer.		
20. Electrical plan and layout duly signed and sealed by a licensed Electrical Engineer as a condition for payment - From transformer to main switch to control panel to machine components.		
21. Factory Acceptance Test (FAT) prior to delivery of items		
22. Provision and Installation of 80-tons Capacity Pitless Type Electronic Truckscale with Truckscale House		
- Please see attached Specifications		
23. Inventory CCTV system		
The CCTV system shall improve inventory accuracy, enhance security and optimize operations. It consists of an integrated cameras and sensors to monitor inventory movement and status, providing real-time insight. Creating a digital "eye" on inventory. CCTV System shall provide a full coverage of the strategic internal space of the grain drying system , with clear views of the inventory and personnel within the dryer system premises.		

Delivery Period: Delivery within one hundred fifty (150) calendar days from receipt of Notice to Proceed; Installation, test, and commissioning is within one hundred fifty (150) calendar days from successful delivery.		
Place of Delivery: Various NFA Warehouses in Region VI: i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo Province iii. NFA Compound, PD Monfort, Dumangas, Iloilo Province		
Payment Terms: 1. Advanced payment of 15 % of the contract price upon submission of necessary documents for Advanced Payment. 2. Progress payment of the remaining 85% of the contract amount upon each milestone, as follows: a. Delivery of Main Equipment i. Grain Dryer (25% of contract amount) ii. Ricemill (25% of contract amount) b. Installation i. Grain Dryer (10% of contract amount) ii. Ricemill (15% of contract amount) c. Testing & Commissioning of Grain Dryer, Ricemill, and other works (10% of the contract amount)		

In compliance with Republic Act No. 9184, Section 18, and the 2016 Revised Implementing Rules and Regulations, Section 18, brand names are only used because of compatibility with existing platforms or equipment which will maintain performance, functionality and useful life.

I hereby certify that the Statement of Compliance to the foregoing technical specifications are true and correct, otherwise, if found false either during the bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

 Bidder Name/Owner/Authorized Representative

 Signature

 Name and Designation

 Date

Signed and Sealed:

 Agricultural and Bio-systems Engineer

 Signature

 Name and Designation

 Date

BID FORM (TECHNICAL SPECIFICATIONS)**National Food Authority - Central Office****PURCHASE REQUEST NUMBER:****END-USER:****ITEM / LOT INFORMATION****Item / Lot Description:**

Lot 1: Supply, Delivery, Installation, Testing, and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at Various NFA Compounds in Region VI

Quantity:**Two (2)****Unit of Measurement (unit/pcs/lot):****Items****Enumeration / Inclusions:****Item 1: Grain Dryer****Item 2: Ricemill**

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 Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii)**.

REQUIRED SPECIFICATIONS	STATEMENT OF COMPLIANCE	REFERENCES (include supporting documents) (attach brochure / technical data / website, etc.)
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ITEM 2: 8 - 10 TPH CAPACITY RICEMILL**I. General Specifications**

1. Ricemill features Input Capacity: 8 - 10 metric tons per hour (tph) Designed to process raw paddy into a high-quality polished rice. Operation: Sophisticated but easy Automated adjustments on machine components as to: - Feed rate - Rubber roll clearance Sensing Gauges for the following components for identification of current load on motor drives and with indication on operating pressure on the grain: - Abrasive whitener - Friction polisher - Mist polisher		
2. Follows the prescribed milling procedure below: a. At the start of milling operation, dry paddy from silos is conveyed into the pre-cleaner to remove impurities such as straw, chaff, and empty grains. If dry paddy is stored not in silos, the same shall be conveyed in an <u>intake pit / feeding hopper</u> before it is moved to the pre-cleaner to undergo the same process.		

<p>b. From the pre-cleaner, pre-cleaned paddy is conveyed to the mill day bin to prepare the desired volume of input for the continuous milling activity.</p> <p>c. From the mill day bin, paddy is conveyed to the destoner to remove particles such as small stones, mud balls and other impurities.</p> <p>d. The pre-cleaned and de-stoned paddy is deposited in the paddy collection bin before it is subsequently conveyed to the rubber roll type dehuller. Attached below the dehuller is the husk aspirator/separator which removes the rice hull after dehulling.</p> <p>e. From the dehuller, the grain output moves to the paddy separator to separate unhulled paddy from the brown rice.</p> <p>f. Unhulled paddy is returned to the rubber roll de-huller while brown rice moves to the brown rice millday bin.</p> <p>g. The brown rice moves to the 1st stage (abrasive) whitener.</p> <p>h. Partially milled rice moves to the 2nd and 3rd stage (abrasive) whitener, then subsequent polishing using friction and water mist type polisher.</p> <p>i. Rice bran is removed from the rice grain during the whitening and polishing process.</p> <p>j. Milled rice is moved to the sifter (brewer rice removed by the sifter).</p> <p>k. Then milled rice is moved to the color sorter to remove damaged and discolored kernels.</p> <p>l. Polished rice is moved to the length grader (head rice is moved to head rice bin while broken rice is moved to broken rice bin).</p> <p>m. Pre-selected amount of head rice and broken rice move to the blending station.</p> <p>n. The pre-blended rice is then moved to the 2nd mist polisher.</p> <p>o. After the final mist polishing, the polished rice will transfer to the packaging area with semi-auto weighing machine for the desired package sizes (5kg, 10kg, 25kg, and 50kg).</p> <p>p. The well-packed mist-polished rice shall be delivered either for <u>storage</u> or <u>directly shipped out</u> for distribution to intended NFA clienteles.</p>		
II. Major Components		
<p>Component 1: Paddy Receiving & Pre-Cleaning Section</p> <p>1.1 Paddy Millday Bin Paddy stored in the silos shall be moved to the mill day bin by top loading drag conveyor. It will serve as holding bin of paddy for milling. Paddy shall be moved to the feeding hopper using a bottom drag conveyor Capacity: at least 40 MT Auto discharge/shutter control and with level sensor</p>		

Hopper bottom for self flowing of grains		
Circular or rectangular in shape which ever is appropriate for ease of operation.		
It shall be made of all steel construction.		
1.2 Paddy Receiving Hopper / Dumping Pit Large impurities shall be strained/removed on the steel grating. The grain discharge port shall be provided with flow control valve and can be calibrated to achieve the desired flow rate of 8 to 10tph. The valve can be closed or opened without altering the calibrated flow rate.		
The paddy receiving hopper is made of all steel construction		
Flush-mounted on concrete floor - w/ angle-bar stiffener support - 35mm bar grating.		
With removable checkered plate cover for safety and protection when not in use		
Provided with dust suction hood to control proliferation of dust inside the mill.		
Minimum 10 tph discharge port.		
1.3 Paddy Pre-cleaner From feeding hopper, paddy is moved to the paddy cleaner to remove small, medium and large size impurities, and lightweight impurities		
Capacity: 8-10 TPH		
Minimum output cleaning efficiency: 90%		
Manual or Auto-feed control		
Multi-stage cleaning that can remove small, medium and large size impurities, and lightweight impurities		
With clog prevention mechanism		
Provided with magnetic separator		
1.4 One (1) Set Paddy De-stoner The machine separates particles by density. The machine will remove materials denser than paddy, such as stones, mud balls, and other small solid impurities..		
Capacity: 8-10 tph		
Manual or Auto-feed control		
1.5 Bulk Weigher		
With grain flow scale to monitor weight of cleaned paddy prior to dehulling.		
Capacity: 20TPH		
Touch pad control system		
Component 2: Dehulling Section		
2.1 Paddy Tank It will serve as holding bin of pre-cleaned paddy for dehulling.		
Capacity: 20MT		
Auto discharge/shutter control and with level sensor		

Inclination of the discharge chute compatible to the angle of repose of the paddy for self-flowing of paddy.		
Provision of ladder and railings for inspection, repair and maintenance of the bin		
The bin should be painted with rust-proofing primer and with final paint color		
It shall be made of all steel materials which are brand new		
2.2 Three (3) sets De-Huller with Husk Aspirator - The three dehullers are use to remove husk of the paddy grain. The combined capacity of the dehullers should be enough to de-husk the paddy coming from the millday bin and the return of un-hulled paddy from the paddy separator. - The husk aspirator is added to separate and blow the husk out of the brown rice and paddy. With combined capacity of 8-10 tph Rubber roll type huller Minimum hulling efficiency: 79%. With automatic and pneumatic adjustment and control of rollers. With magnetic separator to remove ferrous particle from the product With husk aspirator: Rice hull discharge to rice hull tank via drag chain conveyor and bucket elevator Fitted with dust collection system Touch pad operation and electronic control system and with error indicator.		
Component 3: Separation Section		
3.1 One (1) set Paddy Separator It separates un-hulled paddy from brown rice. The un-hulled paddy is returned to the De-hulling machine while the brown rice is moved to the brown rice tank in preparation for whitening. Capacity: 7TPH With return elevator to the hulling mechanism and paddy separator With magnetic separator to remove ferrous particle from the product Push button operation and control system or better with error indicator Multi-layer, indented tray Adjustable tray inclination		
Component 4: Whitening and Polishing Section		
4.1 Brown Rice Tank It will serve as temporary holding bin of brown rice for whitening / polishing Capacity: 20 MT Auto discharge/shutter control and with level sensors.		

4.2 Whitening and Polishing Section

Whitening or polishing is the process of removing the bran layer and the germ from the kernel through either abrasive or friction polishers. To reduce the number of broken grains during the whitening process, rice is normally passed through two to three whitening machines connected in series.

Capacity: 5-6TPH

Manual or Auto feed control

Three (3) whiteners (gravity type)

Abrasive type or combination of abrasive and friction type whitener

With magnetic separator to remove ferrous particle from the product

With air cooling blowers to reduce rice temperature during processing

With negative pressure air wind net system for bran extraction

With analog or digital pressure meter and ammeter

4.3 Sifter

Separates brewer rice by oscillating or vibratory sifter

Capacity: 5-6TPH

With brewers removing device

Oscillating tray-type sifter or a vibratory type

Push button operation and control System or better with error indicator

4.4 One (1) set Mist Polisher

First pass. It is a friction type of whitening machine, which delivers a fine mist of water during the final whitening process. It is a process of mixing a fine mist of water with the dust retained on the whitened rice. The output improves the luster of rice without significantly reducing milling yield.

Push button operation and control System or better with error indicator

With magnetic filters

Fully Automatic with Sensors

4.5 Color Sorter

A machine that is used to remove damaged and discolored kernels including particles other than white rice kernels.

Intelligent optical selector and sorting for rice and with color and defects profiling

Intelligent individual defect detection up to 99% (minimum) defect removal

Intelligent automation: optical sorter consistently adjust to the incoming product

LED lighting technology

Able to reject discolored and damaged kernel and eject impurities even during high capacity processing (6 TPH minimum)

Operation and control system: easy-to-use touch panel (with display that shows status and error messages)		
With Infrared camera for glass removal		
4.6 Length Grader and Rotary Sifter A machine that is used to separate grains into head rice, large and small broken rice, tips and brewers.		
Capability to sort short, medium and long grains		
Provision of inspection window		
Transition pipes are equipped with sampling outlets (every stage)		
Component 5: Blending and Mixing Section		
5.1 Three (3) Sets Blending tank (Headrice tank, large broken tank and small broken tank)		
Capacity per tank: 13 tons each		
with three (3) automatic flow balancer / volumetric mixer		
Works with any variety of rice		
Pneumatically controlled proportioning gate with automatic closing in case of a power failure		
Measurement system with an impact plate and electronic force transducer		
5.2 One (1) set Mist Polisher Second pass. It is a friction type of whitening machine, which delivers a fine mist of water during the final whitening process. It is a process of mixing a fine mist of water with the dust retained on the whitened rice. The output improves the luster of rice without significantly reducing milling yield.		
Push button operation and control System or better with error indicator		
With magnetic filters		
Full Automatic with Sensors.		
Component 6: Bagging/Packaging Section		
6.1 Two (2) Units Holding Bin/Tank		
Capacity per tank: 8 tons each		
Provided with two discharge ports integrated with two lines of milled rice packaging system.		
Two lines shall be semi-automatic with manual bagging, with built in flow scale function that can accurately bag 5kg, 10kg, 25kg, and 50 kgs.		
With bag sewing machine and belt conveyor.		
6.2 Rice Hull Compactor		
Capacity: 60-100 Bales per hour		
Bale weight: 20-30 kg per bale		
It shall be used to compress rice husks into bales to reduce space for transport or storage.		
6.4 Laboratory Equipment		

6.4.1 One (1) Unit Grader Dimensions : 19-23" x 14-18" x 16-20" Weight : 30-40 lbs Material : Aluminum, stainless steel, or brass Timer : Digital Indent Cylinder : Cylinder no. 12 Power Source : 220-240 V, 50/60Hz OTHER REQUIREMENTS: Should include the following parts and features: - Variable speed control - Collection pan tilt adjustment with angle indication - With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)		
6.4.2 One (1) Unit Huller Model / Type : Table Top / Rubber Roll Type Hopper Capacity : 250 grams paddy sample (minimum) Size of Rubber Roll : 35 mm x 100 mm (width x diameter) ±3mm Hulling Capacity : 40 - 50 kilogram/hour Power Source : 220-250V, 50-60 Hz Motor Power : 0.50 - 0.75 H.P., Single Phase Dimensions : 700 x 300 x 700 mm (L x W x H) (minimum) Weight : 70 kilogram (maximum) Hulling Efficiency : 75% in the first pass of the sample (minimum) Other requirements -Must have a spare pair of rubber rolls -Must bear the following: a. Identification or trademark of the manufacturer b. Model and serial number c. Guarantee certificate or marks -With detachable husk collector -Easy to operate -Heavy duty / sturdy -Be able to provide consistent and accurate results -With transparent observation window to monitor the hulling operation		
6.4.3 One (1) Unit Rice Polisher Model / Type : Table Top / Abrasive Hopper Capacity : 200 grams brown rice (minimum) Polishing Capacity : 10 kilogram/hour (minimum)		

Power Source : 220-250V, 50-60 Hz
Motor Power : 0.50 – 0.75 H.P., Single Phase
Dimensions : 400 x 250 x 300 mm (L x W x H) (minimum)
Weight : 60 kilogram (maximum)
Grit Size of Abrasion Roller : No. 36 or 40
Timer Setting : Automatic; adjustable in seconds
Polishing Efficiency : 79% if WMR; 81% if RMR (minimum)
Other requirements <ul style="list-style-type: none"> - Must have one spare abrasive roller - Must bear the following: <ul style="list-style-type: none"> a. Identification or trademark of the manufacturer b. Model and serial number c. Guarantee certificate or marks - Easy to operate - Heavy duty/sturdy - Capable of processing rice samples to different milling degrees
6.4.4 One (1) Unit Ductless Fume Hood
Dimension (W x D x H) : Interior - 700-950 x 500-700 x 600-850 cm Exterior - 800-1000 x 500-800 x 900-1300 cm
Weight : 100-150 kg
Blower : Centrifugal blower
Volume of Air Treated : 320 ± 10 m ³ /h
Voltage / Frequency : 230 Vac, 50/60 Hz
Material : Frame - Powder-coated steel Glass – Tempered or laminated safety glass
Type of Filter : Organics - Gases or vapors
Other Requirements Should include the following features: <ul style="list-style-type: none"> -User's manual -Easy to install replaceable filters -Includes universal electric outlet -With light source -With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)
6.4.5 One (1) Unit Digital Thickness Gauge
Dimensions (W x H) : 90-120 x 140-160 mm
Weight : 250-450 g
Operating Temperature : 0-40°C
Gauge Type : Digital
Digital : LED or LCD
Range : 0-25 mm
Accuracy : ± 0.001
Resolution : 0.01 mm
Measuring Force : 1.5 less N

Units : Metric		
Power Source : Battery Operated		
Other Requirements Should include the following parts and features: -Anvil with groove -User's manual -With at least one (1) year warranty and after-sales services (e.g. preventive maintenance) -Certificate of Calibration from DOST or any accredited Calibration Laboratory.		
6.4.6 One (1) Unit Tyler Sieve		
Dimensions (H x D) : 2-5 x 12"		
Weight : 100-500 g per piece		
Material : Stainless Steel		
Mesh Size : U.S.A. mesh no. 10-20		
Other Requirements: Should include the following features: - Tyler Sieve U.S. mesh no. 10,12,14,16,18 and 20 - User's Manual - With at least one (1) year warranty and after-sales services (e.g. preventive maintenance) - Certificate of Calibration from any accredited Calibration Laboratory		
6.4.7 One (1) Unit Rice Sieve		
SIEVE		
Material : Stainless steel (SS) or Aluminum Gauge 20 (0.035" / 0.89 mm)		
Perforation : 5.5/64" round or 2.18 mm		
Frame Diameter : 13.0 - 13.5" or 330 - 343 mm (upper rim) 12.0 - 12.5" or 304 - 318 mm (lower rim)		
BOTTOM PAN (RECEIVING PAN): Should match the sieve and could easily be removed		
Material : Stainless steel (SS) or Aluminum Gauge 20 (0.035" / 0.89 mm)		
Diameter : 13.0 - 13.5" or 330 - 343 mm		
Height : 2.5 - 3.0" deep or 64.0 - 76.0 mm		
Other requirements -Heavy duty construction -Smooth surface on joints -Corrosion resistant -Ease of cleaning		
6.4.8 Two (2) Units Indented Plate		
Capacity : 100-300 g		
Material : Stainless steel		
Indent Size : 4.5 - 5.5 mm		
Indent Distance : 5-12 mm (center-to-center)		

Dimensions (L x W) : 30-35 cm x 25-30 cm		
Other requirements		
<ul style="list-style-type: none"> -Heavy duty construction -Smooth surface on joints -Corrosion resistant - Ease of cleaning 		
6.4.9 Two (2) Units Triangular Pan		
Dimensions (W x H) : 10-13 x 10-13 x 2.5-6"		
Weight : 1-2.5 lbs		
Material : Plastic		
Other Requirements Should include the following features:		
<ul style="list-style-type: none"> - Molded plastic - With at least one (1) year warranty and after-sales services (e.g. preventive maintenance) 		
6.4.10 One (1) box Disposable Petri Dishes		
With 480 units in one (1) box		
Diameter : 90 mm		
Height : 10-20 mm		
Material : Polystyrene		
Lid Type : Non-vented		
Sterilization : Sterile		
Other Requirements Should include the following features:		
<ul style="list-style-type: none"> -With transparent lid -Perfectly flat and smooth surface 		
6.4.11 Ten (10) Units Forceps		
Length : 5.5"		
Jaw Curvature : Curved		
Working Surface : Serrated		
Handle : Finger rings		
Material : Stainless steel		
Usage : Reusable		
6.4.12 One (1) Unit Chiller (Two-door)		
Capacity : 14 cu. ft.		
Dimensions (L x W x H) : 57-61 x 65-69 x 206-210 cm.		
Technology Type : Inverter		
Wattage : 190 watts		
Shelves : Four (4) adjustable coated wire shelves		
Temperature : $\pm 2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$		
Plug Type : Type A – 2 Flat prong plug		
Other Requirements		
<ul style="list-style-type: none"> -With 7-level temperature control, fan-cooled system, adjusted leveling feet, double glass door with recessed handle and key lock. -At least one (1) year warranty for parts and services 		

6.4.13 One (1) Unit Portable Rice Mill		
Capacity	:	150 – 180 g
Husking Rate	:	99%, minimum
Weight	:	20 kg, maximum
Time Setting	:	Digital
Voltage	:	AC 220 V
Surface Material	:	Hard plastic
Feed Hopper / Bucket	:	Stainless steel
Other Requirements		
-With brochures and user manual -Ease of cleaning -Heavy duty		
6.4.14 One (1) Unit Laboratory Sample Divider		
Material	:	Stainless steel
Number of Chutes	:	14
Width of Chutes	:	3/8" (9.50 mm) ±5%
Sample Pans	:	4
Hopper Size : 8" x 6-3/4" (203 mm x 171 mm) ±5%		
Other requirements		
-Heavy duty construction -Smooth surface on joints -Corrosion resistant -Ease of cleaning		
6.4.15 One (1) Unit Top Loading Balance		
Capacity : 2,200 g		
Weighing Units : Gram (g) and Kilogram (kg)		
Linearity : ± 0.02 g		
Readability : 0.01 g		
Repeatability : 0.01 g		
Adjustment : Internal		
External Calibration : 2 kg, F1		
Leveling : Manual		
Stabilization Time : < 0.9 s		
Data Interface : RS232; USB – C		
Dimensions (WxDxH): 190-220 x 310-330 x 70-100 mm		
Display : LCD / LED Display		
Language : English		
Power Requirements : 100-240 VAC, ± 10%, 50-60 Hz, 0.2 A		

Other Requirements
Should include the following:

- One (1) unit Data Printer
- Ribbon cartridge: exchangeable, black ink
- Paper roll
- AC adapter
- With calibration certificate from a PAB-accredited calibration laboratory; and
- With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)

6.4.16 One (1) Unit Laboratory Working Table

Dimensions (WxDxH) : 230-250 x 140-160 x 85-95 cm

Material : Granite

Frame : Coated stainless steel

Weight capacity : 150-250 kg

Drawer : 15-20 cm deep per compartment, recessed handles

Utility : Built-in retractable outlet

Other Requirements

-Should include the following:

- Rounded edge
- Cable management tray for power outlet
- With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)

6.4.17 One (1) Unit Analytical Balance

Capacity : 100-300 g

Weighing Units : Gram (g) or milligram (mg)

Linearity : ± 0.02 mg

Readability : 0.0001 g or 0.1 mg

Repeatability : ± 0.01 mg

Adjustment : Internal

External Calibration : 200-300 g, F1

Leveling : Manual

Stabilization Time : < 3 s

Data Interface : RS232; USB – C

Dimensions (WxDxH): 190-250 x 300-400 x 300-450 mm

Draft Shield : Anti-static glass shield with sliding doors, minimum 3 doors

Display : LCD / LED Display

Language : English

Power Requirements : 100-240 VAC, $\pm 10\%$, 50-60 Hz, 0.2 A

Other Requirements
Should include the following:

- One (1) unit Data Printer
- Ribbon cartridge: exchangeable, black ink, and paper roll
- AC adapter
- With calibration certificate from a PAB-accredited calibration laboratory; and
- With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)

6.4.18 Ten (10) Units Temperature and Humidity Data Logger

Dimension (L x W x H) : 80-100 x 90-120 x 15-40 mm

Weight : 100-200 g

Measurement Parameter :
Temperature and humidity

Measuring Range : -30-65 °C and 0-100% RH

Accuracy : ± 1 °C and ± 4 RH

Material : ABS

Resolution : 0.1 °C and 0.1% RH

Power Source : Battery operated

Communication Interface : Micro USB / Type C

Display : LED / LCD

Other Requirements
Should include the following features:

- Waterproof
- Easy to install
- With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)

6.4.19 One (1) Unit Magnifying Lens with Stand & Light Source

Light Source : LED

Lens Configuration : Single

Material : Lens/optical glass,
Strut/brass (chromium plating)
Shaft/brass (black plating)

Power supply : DC12V

Dimension :
Body/90 x 250 x 140mm
Base/80 x 100 x 6mm
Strut/φ19 x 370mm
Shaft/φ13 x 160mm
± 20 mm per part

Weight : 500-700 g

Magnification : 2.0-3.0 x

Lens diameter (φmm) : 45-55

Operation distance : 150 mm

Other Requirements
Should include the following features:

- Includes AC adapter
- User's manual
- The lens unit comes with angle adjustment joint
- Shaft can be moved up and down, back and forth by adjusting nut
- With at least one (1) year warranty and after-sales services (e.g. preventive maintenance)

6.4.20 One (1) Unit Refrigerator

Capacity : 10 cu. ft.

Dimensions (L x W x H) : 59-61 x 54-56 x 166-168 cm.

Technology Type : HD Inverter

Wattage : 130 watts

Refrigerant Type : R600A
Refrigerant

Shelves Type : Two (2) tempered glass shelves

Plug Type : Type A – 2 Flat prong plug

Other Requirements

- Independent Temperature Control
- At least one (1) year warranty for parts and services

6.4.21 One (1) Unit Rice Whiteness Tester

Product Measured: Milled rice, Brown rice and Pre-washed rice (glutinous and non-glutinous)

Measurement Value: Whiteness

Measurement Range: 5.0-69.9

Accuracy : +/- 0.5 or better

Display Type: Fluorescent LED

Sample Value: approx. 60mL

Ambient Temperature: 0-40 °C

Ambient Humidity: 0-85% RH (non-condensing)

Light Source: Blue LED

Power Source: 100-240VAC (50/60Hz)
Maximum 35W/60W

Dimensions (mm) : W= 285-295;
H=180-190; D=290-300

Accessories: Samples cases, optical standard, quantitative sample dish, sample filler, cover glass cleaner, 3 replacement glass filters, fuse, power cord, instruction manual and thermal printer with cable

Warranty: One (1) year manufacturer's warranty on parts and labor

6.5 Inventory CCTV System

<p>The CCTV system shall improve inventory accuracy, enhance security, and optimize operations. It consists of an integrated cameras and sensors to monitor inventory movement and status, providing real-time insights. Creating a digital “eye” on inventory</p>		
<p>With manufacturer's, distributor's or bidder's certification that the proposed rice mill brand, particularly its major components, would only be from a single brand</p>		
III. Auxiliary Components		
<p>1. Grain bucket Elevators</p> <p>a. Shall be provided in all appropriate components of the ricemill to transport grains from one machine to another machine.</p> <p>b. Capacities must be sufficient/compatible to the rated capacities of each machine.</p> <p>c. Buckets for paddy shall be made from stainless steel (at least 304 grade) while buckets for brown rice and milled rice shall be made of heavy duty food grade plastic cups.</p> <p>d. Elevator leg material must be of appropriate standard thickness to withstand a seismic zone 4 earthquake.</p> <p>e. Provision of downspout with two-way valve, or three-way valve if necessary, attached to bucket elevator to divert grain flow from a certain stage of processing.</p> <p>f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning.</p>		
<p>2. Ricehull Tank and Husk Collection System Integrated with Rice Hull Compactor</p> <p>a) The ricehull tank shall be made of 2mm MS plate supported by angle/steel bars.</p> <p>b) Rectangular tank with hopper bottom. Discharge chute is provided with pneumatic control gate/shutter for ease of operation.</p> <p>c) With capacity to hold ricehull accumulated over an 8-hour ricemill operation.</p> <p>d) Minimum height must be 5 meter from the ground to the lowest part of the discharge chute to accommodate large cargo trucks during unloading and hull disposal.</p> <p>e) Inclination of the hoppered bottom/discharge chute should comply to the angle of repose of the rice hull (35 – 50 degrees) to achieve complete emptying of the tank.</p> <p>f) Provision of service ladder and railings for the unloading of rice hull, repair and maintenance of the rice hull tank.</p> <p>g) The rice hull bin should be painted with rust-proofing primer and with final paint color</p> <p>h) Provision of appropriate rice hull compactor system to compress rice husks to bales to reduce space during transport or storage.</p>		
<p>3. Dust Collection System</p>		

a) All sections where dust can be generated or emitted due to flowing or moving grains shall be fitted with dust-collection system (starting from the dumping or intake pit, mill day bin, pre-cleaner, de-stoner, huller, paddy separator, whitener, mist-polisher, color sorter, length grader, sifter, and grain elevator/conveyors)		
b) With dust filter for dust and rice bran		
c) With negative suction air wind net system		
d) Sheet metal ducting		
e) All connectors shall be airtight		
4. Rice Bran Collection System		
Collects bran generated at the whitener, polisher, sifter and mist polisher machines. It consists of dust collecting filter, bran suction blower, and air ducting.		
5. Main Control Center		
The rice mill shall be provided with appropriate air-conditioned control room that houses the main control panel and it will serve as office of the rice mill operator. Walls shall be provided with fixed glass window for the operator to monitor the milling operation. Shall be provided with two glass doors.		
6. Electrical/Motor Control System		
Provision inside the main control center of centralized electrical control panel using an integrated Programmable Logic Control (PLC) and Supervisory Control and Data Acquisition (SCADA) or equivalent technology and functionalities.		
Automation system that houses all related motor control components such as circuit breakers, magnetic contactors and alarm system.		
The control panel shall be provided with mimic flow chart where the running status and control of each milling component is shown and represented by pilot lights.		
With interlocking system and emergency button.		
With individual magnetic starter and overload protection for all electric motors.		
All motors shall be 3 phase, 60 hz, 220 or 440 volts or as maybe appropriate for the given overall rice mill plant design.		
All electrical wires, sub-feeders and feeder lines shall be in conduits and run through wire trays from electric motors to the motor control center.		
Pull boxes shall be provided for every branch circuit.		
An Emergency Manual Switch Button (ESMB) shall be provided for every motor/equipment near the working area for emergency shut-off to avoid accident.		

Rigid steel conduit shall be used from the motor/equipment to the ESMB.		
With three (3) units distribution transformer in bank to provide power for the rice mill's three-phase load.		
All electrical related accessories such as but not limited to primary metering, current transformer, potential transformer, lightning arrester, etc. needed to energize the rice mill plant as required by the local electric cooperative shall be included in the rice mill plant.		
All electrical works shall be in accordance with the Philippine Electrical Code and rules and regulation of the Bureau of Product and Standard.		
The contractor shall provide all supplies, materials and equipment and perform all the works necessary for the complete execution of all electrical works.		
7. Emergency Power Generating Set		
Provision of One (1) unit diesel stand-by power generating set (gen-set) dedicated only to energize the whole rice mill facility.		
The gen-set must provide sufficient electrical power that is compatible with the power requirement of the whole rice mill facility, including the transformer and the pieces of ancillary equipment.		
Provided with automatic transfer switch (ATS) for smooth and easy operation during occurrence of power interruption from the local electric cooperative.		
A concrete power house shall be built to protect the gen-set and its electrical accessories from inclement weather.		
8. Air Compressor Source		
Centralized compressed air room with line filters, air dryers, air tanks and with variable permanent magnet motors.		
IV. Additional Requirements		
1. The rice mill facility should conform to the following performance criteria:		
Input Capacity: 8-10 tons per hour (tph)		
Hulling efficiency: 79%, minimum		
Milling recovery index: 0.95, minimum		
Percent Head rice index: 0.90, minimum		
Milling degree: Regular Grade to Premium Grade Milling		
No. of paddy per kilogram milled rice: 15 Grains Maximum		
2. The rice mill shall be designed and built rigidly, making it suitable for heavy-duty operation and it can withstand extreme weather conditions to which it can be exposed.		

3. The construction shall be durable without major breakdown of the major components within the first year of operation. Warranty shall be provided for parts and services within one year or 1920 hours operation whichever comes first after the installation and acceptance of the procuring entity except on consumable parts such as rubber rolls, emery stones and screens. General requirements of the warranty shall be in accordance with PNS/PAES 138:2004 – Agricultural Machinery – Guidelines on After Sales Service.		
4. Major components of the rice milling system shall be installed on a rigid metal mounting platform with a minimum elevation of 2.5 meters from the warehouse floor. Only the receiving pit shall be built below ground and all other rice mill components and auxiliary equipment shall be installed on-floor level and on elevated platforms. Rice mill personnel can stand and walk freely under the platform to monitor the operation of the rice mill.		
5. All equipment, bucket elevators, conveyors bins/tanks are serviceable with good accessibility around each machine (service platform, ladder and catwalk). There are provisions for lubrication of the sealed type bearings and belt tightening. When necessary, diverter or overflow valves are provided to divert the flow of grains.		
6. Ease of access for maintenance, repair, and monitoring works for all components and parts of the rice mill. Path walks with markings/direction and borders. Stairs and risers fitted with safety railings.		
7. Surge tank or control tank with level sensor and pneumatic-auto discharge shall be installed in such machine component of the rice mill.		
8. All major components and parts of the rice mill should be painted powder coated or regular paint with rust-proofing primer and final paint color (minimum of 2 coatings)		
9. Spare parts and tool room shall be built to safe keep all tools and inventory of easily worn out parts of the rice mill.		
10. Special tools needed to fix critical machine component should be provided.		
11. The following standard set of heavy duty tools appropriate for the conduct of repair and maintenance of the facility which is made of tempered steel and chrome vanadium should be provided;		
a. One (1) set socket wrench (No. 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 27, 30, 32, minimum)		

b. One (1) set combination wrench (open and box, 10 pcs-size appropriate to the rice milling system)		
c. Adjustable wrench: 300 mm, minimum		
d. Electrical plier: 200 mm, minimum		
e. Screwdriver: Philips and flat head, 300mm, minimum		
f. Grease gun: 250mm cylinder length, minimum		
g. Mechanical pliers: 200mm, minimum		
h. Heavy duty toolbox and roll up tools holder. Size that can accommodate the required tools		
12. Copy of Equipment Manufacturer's Manual with Parts List of each ricemill system component and all accessories such as pre-cleaner, hulling and husk aspiration system, abrasive whitener, friction polisher, mist polisher color sorter, length grader and blending tank, packaging machine, and bucket elevator written in English or Filipino Vernacular to be presented during post qualification evaluation.		
13. The Contractor/Manufacturer's/ Dealers shall provide comprehensive training to NFA personnel with the following topics:		
a.Fundamentals of Rice milling		
b.System operation and management of rice milling.		
c.Operation, trouble shooting, repair and maintenance of Rice mill plant		
14. The rice mill shall be tested in accordance with PNS/PAES 207:2015 – Agricultural Machinery –Rice mill – Methods of Test.		
15. With the following markings and labeling, which shall conform with PNS/PAES 201:2015		
<ul style="list-style-type: none"> • Registered trademark of the manufacturer • Name and address of the manufacturer • Name and address of the importer/distributor • Country of manufacture/ Made in the Philippines • Type; Serial number • Load capacity, metric tons • Rated power/voltage/ frequency/ phase, in metric units • Shipping information • Dry weight in metric units • Dimensions in metric units • Safety/Precautionary markings 		
16. Factory acceptance test prior to delivery of items.		
17. Supplier may include other features not mentioned but are necessary for efficient milling of rice.		

18. The ricemill and its ancillary shall be designed and built to be strong and sturdy to withstand seismic zone 4 earthquake		
Other Technical Requirement:		
1.Valid AMTEC test report of the Multi-Pass Rice Mill of the same model as to basic parts and major components and the results should conform to PNS/BAFS PABES 303:2020 Postharvest machinery- Rice mill Specifications.		
2. Valid Permit To Operate (PTO) or certification from Bureau of Agricultural and Fisheries Engineering (BAFE) of their application for PTO.		
3. Process flow layout and schematic diagram including 3D perspective of illustration of the Rice Milling System drawn in A3 size paper duly signed and sealed by a licensed Agricultural and Bio-systems Engineer for post-qualification evaluation.		
4. Electrical plan and layout duly signed and sealed by a licensed Professional Electrical Engineer as a condition for Payment. - From transformer to main switch to control panel to machine components.		
5. Brochures of the offered Equipment (written in English/Filipino)		
CERTIFICATIONS:		
1. Certification from the bidder that the rice milling unit and each component are branded and have part numbers.		
2. National Agricultural and Fisheries Machinery Assemblers, Manufacturers, Importers, Distributors and Dealers Accreditation and Classification (NAMDAC) Certification for the Bidder.		
3. Provision of after sales services:		
- Certification of two (2) years warranty for services and parts of the rice milling system and other components		
- Valid Certificate of Distributorship/ Authority to sell, and Commitment to Supply directly issued by the manufacturer		
-Certification that the supplier will conduct at least 40 hours of training on the proper handling, operation and maintenance of the unit for all NFA MPOs and Engineers.		

<p>-Manufacturer's, distributor's or bidder's certification that the proposed Ricemill brand have been sold in the Philippine market for the last thirty (30) years from the date of bid opening, accompanied or duly supported by documentary proof. The documentary proof must be verifiable through phone call, ocular inspection or both.</p> <p>a) Record of sales (Official receipt); or, b) Bill of lading, and/or other similar records indicating shipment or delivery of the grain dryer brand to the Philippines (if applicable)</p>		
<p>4. Certification of guaranteed spare parts availability for at least five (5) years.</p>		
<p>5. Certification of Very Satisfactory Performance of the Multi-Stage Rice Mill being offered as to: i) Machinery Performance; ii) Machinery Durability; and, iii) Availability of Parts and Service.</p> <p>Who may issue:</p> <ul style="list-style-type: none"> - The Bidder shall provide list of five (5) customers/clients within the Philippines with addresses and contact numbers, and a certification from at least one (1) customer/client. - Any government or private Agency/Company within the Philippines, duly signed by the Current Head of agency. <p>Excluding the following:</p> <ul style="list-style-type: none"> - Bidder's Dealers and Authorized Service Centers 		
<p>Warranty shall be provided to parts and services within two (2) years after the date of acceptance of the unit by the end-user, except on fast moving and easy to wear parts such as fan belts and grain buckets. General requirements of the warranty shall be in accordance with PNS/PAES 138:2004 – Agricultural Machinery – Guidelines on After Sales Service</p>		
<p>Delivery Period: Delivery within one hundred eighty (180) calendar days from receipt of Notice to Proceed; Installation, testing, and commissioning is within one hundred twenty (120) calendar days from successful delivery.</p>		
<p>Place of Delivery: Various NFA Warehouses in Region VI:</p> <ul style="list-style-type: none"> i. NFA Compound, Quintin Salas, Jaro, Iloilo City ii. NFA Compound, Poblacion 5, Dueñas, Iloilo Province iii. NFA Compound, PD Monfort, Dumangas, Iloilo Province 		

Payment Terms: 1. Advanced payment of 15 % of the contract price upon submission of necessary documents for Advanced Payment. 2. Progress payment of the remaining 85% of the contract amount upon each milestone, as follows: <ul style="list-style-type: none"> a. Delivery of Main Equipment <ul style="list-style-type: none"> i. Grain Dryer (25% of contract amount) ii. Ricemill (25% of contract amount) b. Installation <ul style="list-style-type: none"> i. Grain Dryer (10% of contract amount) ii. Ricemill (15% of contract amount) c. Testing & Commissioning of Grain Dryer, Ricemill, and other works (10% of the contract amount) 		
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In compliance with Republic Act No. 9184, Section 18, and the 2016 Revised Implementing Rules and Regulations, Section 18, brand names are only used because of compatibility with existing platforms or equipment which will maintain performance, functionality and useful life.

I hereby certify that the Statement of Compliance to the foregoing technical specifications are true and correct, otherwise, if found false either during the bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

Bidder Name/Owner/Authorized Representative

Signature

Name and Designation

Date

Signed and Sealed:

Agricultural and Bio-systems Engineer

Signature

Name and Designation

Date