BID FORM (TECHNICAL SPECIFICATIONS) National Food Authority - Central Office PURCHASE REQUEST NUMBER: END-USER: ITEM/LOT INFORMATION Item / Lot Description: Lot 2: Supply, Delivery, Installation, Testing, and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at NFA Compound in Allacapan, Cagayan, Region II 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). **REFERENCES** (include supporting documents) REQUIRED SPECIFICATIONS STATEMENT OF COMPLIANCE (attach brochure / technical data / website, etc.) ITEM 1: 120 MT-Capacity Mechanical Grain Dryer I. General Specification 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 pre-dried grain should pass the hopper scale before it is conveyed to the batch type recirculating dryer for final drying down to

the wet paddy tank.

12% to 13% MC.

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.	
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.	
II. Major Components and Ancillary Equipment:	
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.	
1.1 Two (2) Units Dumping Pit/Receiving Hopper	
Both receiving hoppers are capable to receive	1
paddy in bulk	
The paddy receiving hopper is flush-mounted	1
in the roadway.	
Provided with concrete ramp capable of	1
supporting fully loaded trucks with gross	
weight of 60 tons.	
It is made of all steel construction with angle	
bar stiffeners and supports.	
Provided with 35 mm round bar grating and a	
removable checkered plate cover for safety	
and protection when not in use.	
Provided with dust suction hood	
Designed to discharge gain at 30 TPH minimum	
Provided with manual intake gate to regulate	
grain flow	-
Size of the hopper shall be based on	
Manufacturer's design and standard	
1.2 In-line, Interval-type Single Kernel Moisture Measurement System	
Continues data logging	
	-
Moisture content reading range: 11MC to 38	
MC	
With histogram and standard deviation	
features	
Moisture threshold feature with alarm	
Real-Time online mobile apps monitoring	
capabilities or can be monitored from the	
control room]
Cloud Storage: 5 years subscription	
1.3 Two (2) Units Paddy Cleaner with Aspirator	
Minimum Capacity: 15 tph per unit]
Minimum efficiency: 90%	1
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It can remove empty paddy, small, medium	
and large size impurities.	1
Push button operation and control system with error indicator control	
1.4 Two (2) Units Fresh Paddy Tank	
Capacity: 30 Tons per unit	
transport to the contract of t	1

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	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
Sca	
	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. D	rying 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
Sca	
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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 .	
With manufacturer's, distributor's or bidder's	
ertification that the proposed grain dryer brand,	
particularly its major components, would only be	
rom a single brand II. Other Ancillary Equipment (Inclusion)	
. 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	
flow chart where the running status and control of each dryer component is shown and	
flow chart where the running status and control of each dryer component is shown and represented by indicator lights.	
flow chart where the running status and control of each dryer component is shown and represented by indicator lights. With ammeter and voltmeter readout	
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	
flow chart where the running status and control of each dryer component is shown and represented by indicator lights. With ammeter and voltmeter readout	

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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.	
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.	
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 (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	
The drying plant shall be provided with three	
(3) units distribution transformer in bank to	
provide power for the facility's three-phase	
load	
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:	
i. Electric Meter	
ii. Current Transformer (CT)	
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iii. Potential Transformer (PT)	
iv. Lightning Arrester v. Other necessary electrical fixtures and	
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accessories	
. One (1) Unit Diesel-Powered Emergency Power Generating Set	
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Provision of one (1) unit diesel power	
generating set (gen-set) which is solely	
dedicated to energize the whole drying facility	
Gen-set must be able to provide stable and	
compatible power with the requirement of the	
whole drying facility including its ancillary	
equipment	
Provided with automatic transfer switch (ATS)	
for smooth and easy operation during	
occurrence of power interruption from the	
local electric cooperative	
Generator house shall be built to protect the	
generator set and electrical accessories from	
inclement weather	
. Air Compressor Source	
Provision of centralized compressed air room	
with line filters, air dryers, air tanks which is	
intended for the pneumatic systems	
. Provision of grain conveying mechanisms such	
is bucket elevator and drag chain conveyor to	
ntegrate the different stages of drying.	
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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	
1 1 2 7	
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	
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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		
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		
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		

14. Contractor/Manufacturer/Dealer shall
provide operation and maintenance training
and after-sales service
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
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.
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:
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
Diry weight in metric units Dimensions in metric units
Safety/Precautionary markings
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
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 a Machanical plians: 200mm, 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

i. 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. 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;	
nstallation, test, and commissioning is within one	
hundred fifty (150) calendar days from succesful	
delivery.	
Place of Delivery:	
NFA Warehouse in Region II:	
Brgy. Matucay, Allacapan, Cagayan	
Payment Terms:	
1. Advanced payment of 15 % of the contract	
orice 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 durin the bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

	Signed and Sealed:	
Bidder Name/Owner/Authorized	<u>-</u>	Agricultural and Bio-systems
Representative		Engineer
Signature		Signature
Name and Designation	_	Name and Designation
Date		Date

BID FORM (1	TECHNICAL SPECIFICATIONS)	
National Food Authority - Central Office		
URCHASE REQUEST NUMBER:		
END-USER:		
END-OSEK.		
ITEM/LOT INFORMATION		
Item / Lot Description:	Lot 2: Supply, Delivery, Installation, Testing, and Commissioning of Ricemill and Grain Dryer for the NFA Modernized Warehouses in Support to Buffer Stocking Program at NFA Compound in Allacapan, Cagayan, Region II	
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 Cor		ual parameters of each
Specification stating the corresponding performance		
"Not Comply" must be supported by evidence in a Bi		
in the form of manufacturer's un-amended sales lite		
issued by the manufacturer, samples, independent to		
evidence or is subsequently found to be contradicted		
liable for rejection. A statement either in the Bidders to be false either during Bid evaluation, post-qualification.		
fraudulent and render the Bidder or supplier liable for		
and/or GCC Clause 2.1(a)(ii).	procession subject to the pro	7.6.6.16 6. 112 G.aa66 6.2(a)()
		REFERENCES
REQUIRED SPECIFICATIONS	STATEMENT OF COMPLIANCE	(include supporting documents) (attach brochure / technical data
ITEM 2: 8 - 10 TPH CAPACITY RICEMILL		/ website, etc.)
I. General Specifications		<u> </u>
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 intake pit /		
feeding hopper before it is moved to the pre -		
cleaner to undergo the same process.		

- 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.
- c. From the mill day bin, paddy is conveyed to the **destoner** to remove particles such as small stones, mud balls and other impurities.
- 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.
- e. From the dehuller, the grain output moves to the **paddy separator** to separate unhulled paddy from the brown rice.
- f. Unhulled paddy is returned to the rubber roll de-huller while brown rice moves to the **brown rice millday bin**.
- g. The brown rice moves to the **1st stage** (abrasive) whitener.
- h. Partially milled rice moves to the **2nd and 3rd stage (abrasive) whitener**, then subsequent polishing using **friction and water mist type polisher**.
- i. Rice bran is removed from the rice grain during the whitening and polishing process.
- j. Milled rice is moved to the **sifter** (brewer rice removed by the sifter).
- k. Then milled rice is moved to the **color sorter** to remove damaged and discolored kernels.
- I. 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**).
- m. Pre-selected amount of head rice and broken rice move to the **blending station**.
- n. The pre-blended rice is then moved to the **2nd mist polisher**.
- 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. The well-packed mist-polished rice shall be delivered either for <u>storage</u> or <u>directly shipped</u> <u>out</u> for distribution to intended NFA clienteles.

II. Major Components

Component 1: Paddy Receiving & Pre-Cleaning Section

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

Hopper bottom for self flowing of grains

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.

Indent Cylinder : Cylinder no. 12
Power Source : 220-240 V, 50/60Hz
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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
Туре
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
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
-Lasy 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
- Must have one spare abrasive roller
Must bear the following:
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 m3/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:
Should melade the following features.
-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)
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:
- Carrette C
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 aftersales 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)
Diamter : 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
-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

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Other Requirements Should include the following features:	
and the state of t	
- 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	
Metarial : Polystyrene	
Lid Type : Non-vented	
Sterilization : Sterile	
Other Requirements	
Should include the following features:	
-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	1
Material : Stainless steel	1
Usage : Reusable	1
6.4.12 One (1) Unit Chiller (Two-door)	
Capacity: 14 cu. ft.	<u> </u>
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	1
shelves]
Temperature : ± 2 °C to +8 °C]
Plug Type : Type A – 2 Flat prong plug]
Other Requirements	
-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	
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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
Hanned duty an atmostica
-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-
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:
-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
Praft Shield:Anti-static glass shield with sliding
doors, minimum 3 doors
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,
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
Communication Interface:Micro USB / Type C

Other Requirements Should include the following features:
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
1. Section 1. 17 0.3 of better

Display Type: Flourescent 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 warraty on parts and labor
6.5 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
insights. Creating a digital "eye" on inventory
n manufacturer's, distributor's or bidder's
ification that the proposed rice mill brand,
icularly its major components, would only be
n a single brand
Auxiliary Components
1. Grain bucket Elevators
a. Shall be provided in all appropriate
components of the ricemill to transport grains
from one machine to another machine.
b. Capacities must be sufficient/compatible to
the rated capacities of each machine. 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.
d. Elevator leg material must be of appropriate
=
standard thickness to withstand a seizmic zone
4 earthquake.
4 earthquake. e. Provision of downspout with two-way valve,
4 earthquake. e. Provision of downspout with two-way valve, or three-way valve if necessary, attached to
4 earthquake. e. Provision of downspout with two-way valve, or three-way valve if necessary, attached to bucket elevator to divert grain flow from a
4 earthquake. 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.
4 earthquake. 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. f. Installed with inspection port at the elevator
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning.
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning. 2. Ricehull Tank and Husk Collection System
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning. 2. Ricehull Tank and Husk Collection System Integrated with Rice Hull Compactor
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning. 2. Ricehull Tank and Husk Collection System
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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning. 2. Ricehull Tank and Husk Collection System Integrated with Rice Hull Compactor a) The ricehull tank shall be made of 2mm MS
4 earthquake. 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. f. Installed with inspection port at the elevator leg and access port at the elevator booth for inspection and cleaning. 2. Ricehull Tank and Husk Collection System Integrated with Rice Hull Compactor a) The ricehull tank shall be made of 2mm MS plate supported by angle/steel bars.

The control panel shall be asset 1.1. 101. 1.1.
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
I muse to all the common and supplied the classification
protect the gen-set and its electrical
accessories from inclement weather.

		1	ı
	Centralized compressed air room with line		
	filters, air dryers, air tanks and with variable		
	permanent magnet motors.		
IV. A	Additional Requirements		
	1. The rice mill facility should conform to the		
	following performance criteria:		
	Input Capacity: 8-10 tons per hour (tph)	1	
		1	
	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.		
	nce min.		

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		
o.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		
Registered trademark of the manufacturer		
Name and address of the manufacturer		
Name and address of the		
importer/distributor		
• Country of manufacture/ Made in the		
	1	
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.		
	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)		
CFF	RTIFICATIONS:		<u> </u>
CLI			
	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:	1	
	- 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		
1	issued by the manufacturer		

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	-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.		
	-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.		
	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)		
	4. Certification of guaranteed spare parts		
	availability for at least five (5) years.		
	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.		
	Parts and Service.		
	NA/le a magningura		
	Who may issue:		
	- 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.		
	Excluding the following:		
	- Bidder's Dealers and Authorized Service		
	Centers		
	rranty shall be provided to parts and services		
1	nin two (2) years after the date of acceptance		
	he unit by the end-user, except on fast moving		
	easy to wear parts such as fan belts and grain		
	kets. General requirements of the warranty		
	ll be in accordance with PNS/PAES 138:2004 –		
Agr	icultural Machinery – Guidelines on After Sales		
Ser	vice		
Del	ivery Period:		
Deli	very within one hundred eighty (180) calendar		
day	s from receipt of Notice to Proceed;		
Inst	allation, testing, and commissioning is within		
	hundred twenty (120) calendar days from		
	cessful delivery.		
	ce of Delivery:		
	Warehouse in Region II:		
	y. Matucay, Allacapan, Cagayan		
		•	

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 durin the bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

	Signed and Sealed:	
Bidder Name/Owner/Authorized Representative	-	Agricultural and Bio-systems Engineer
Signature	-	Signature
Name and Designation	-	Name and Designation
Date	-	Date