## **BID FORM (TECHNICAL SPECIFICATIONS) National Food Authority - Central Office PURCHASE REQUEST NUMBER: END-USER:** ITEM/LOT INFORMATION Item / Lot Description: Lot 3: 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 Cabanatuan City and Concepcion, Tarlac, Region III Two (2) Quantity: 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 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.

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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.	4	
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.		
Major Components and Ancillary Equipment:		
Receiving and Pre-cleaning Section		
vo (2) sets of grain receiving and pre-cleaning		
stem shall be installed that are capable in		
ceiving paddy in bulk or accept grains loaded in		
ulk truck and bagged paddy loaded in trucks or in		
nall lots.		
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		
in the roadway.		
Provided with concrete ramp capable of		
supporting fully loaded trucks with gross		
weight of 60 tons.	1	
It is made of all steel construction with angle		
bar stiffeners and supports.	1	
Provided with 35 mm round bar grating and a		
removable checkered plate cover for safety		
and protection when not in use.	4	
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		
2 In-line, Interval-type Single Kernel Moisture		
leasurement System	4	
Continues data logging	4	
Moisture content reading range: 11MC to 38		
MC	4	
With histogram and standard deviation		
features	4	
Moisture threshold feature with alarm	1	
Real-Time online mobile apps monitoring		
capabilities or can be monitored from the		
control room	4	
Cloud Storage: 5 years subscription		
3 Two (2) Units Paddy Cleaner with Aspirator		
Minimum Capacity: 15 tph per unit	]	
Minimum efficiency: 90%	1	
It can remove empty paddy, small, medium	1	
and large size impurities.		
Push button operation and control system	1	
with error indicator control		
.4 Two (2) Units Fresh Paddy Tank		
Capacity: 30 Tons per unit	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	
ale	
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	
Drying Section	I
L Four (4) Units Batch Recirculating Dryers (BRD)	1
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	1
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	4
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 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	4
step-grated type fuel feeding system	
The furnace should conform to the	4
performance requirement of PNS/PAES 242:	
2010 -Agricultural Machinery – Biomass	
Furnace – Specifications	
3 One (1) Unit Automatic Hopper Scale/Flow	
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	1
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	
Provided with individual magnetic starter and	
overload protection for all electric motors	

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	1
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	4
circuit	
An Emergency Manual Switch Button (EMSB)	4
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 <b>three</b>	
(3) units distribution transformer in bank to	
provide power for the facility's three-phase	
load	4
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)	
iii. Potential Transformer (PT)	
iv. Lightning Arrester	
v. Other necessary electrical fixtures and	
accessories	
one (1) Unit Diesel-Powered Emergency Power	
erating Set	4
Provision of one (1) unit diesel power	
generating set (gen-set) which is solely	
dedicated to energize the whole drying facility	4
Gen-set must be able to provide stable and	
compatible power with the requirement of the	
whole drying facility including its ancillary	
equipment	4
Provided with automatic transfer switch (ATS)	
for smooth and easy operation during	
occurrence of power interruption from the	
local electric cooperative	4
Generator house shall be built to protect the	
generator set and electrical accessories from	
inclement weather	
ir Compressor Source	
Provision of centralized compressed air room	1
with line filters, air dryers, air tanks which is	
intended for the pneumatic systems	
Provision of grain conveying mechanisms such	1
bucket elevator and drag chain conveyor to	
egrate the different stages of drying.	
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Pucket alouater and drag chain conveyor	
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  Put Poom and Dust Collection System	
8. Dust Room and Dust Collection System	4
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 manifold	
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.	
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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	
<b>12. Warranty</b> shall be provided to parts and	
services within <b>two (2) years</b> 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
<ul> <li>Load capacity, metric tons</li> </ul>
<ul> <li>Rated power/voltage/ frequency/ phase, in</li> </ul>
metric units
<ul> <li>Shipping information</li> </ul>
<ul> <li>Dry weight in metric units</li> </ul>
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
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 (For Concepcion,	
Tarlac - only)	
- 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.	
livery Period:	
livery within <b>one hundred fifty (150) calendar</b> ys from receipt of Notice to Proceed;	
tallation, test, and commissioning is within <b>one</b>	
ndred fifty (150) calendar days from succesful	
livery.	
ace of Delivery:	
A Warehouse in Region III:	
<b>u</b>	
rgy. Imelda, Cabanatuan City, Nueva Ecija	
rgy. Jefmin, Concepcion, Tarlac	

Payment Terms:
1. Advanced payment of <b>15 %</b> 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 ( <b>25%</b> of contract amount)
ii. Ricemill (25% of contract amount)
b. Installation
i. Grain Dryer ( <b>10%</b> of contract amount)
ii. Ricemill ( <b>15%</b> 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.

Bidder Name/Owner/Authorized Representative

Signature

Name and Designation

Date

Signed and Sealed:

Agricultural and Bio-systems Engineer

Signature

Name and Designation

Date

BID FORINI	TECHNICAL SPECIFICATIONS)	
National Food Authority - Central Office		
PURCHASE REQUEST NUMBER:		
END-USER:		
ITEM/LOT INFORMATION Item/Lot Description:		ion, Testing, and Commissioning
	of Ricemill and Grain Dryer for in Support to Buffer Stocking P	the NFA Modernized Warehouses rogram at NFA Compound in
	Cabanatuan City and Concepcio	on, Tarlac, Region III
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 Co	mply" against each of the individ	ual parameters of each
Specification stating the corresponding performanc	e parameter of the equipment off	ered. Statements of "Comply" or
"Not Comply" must be supported by evidence in a I		
in the form of manufacturer's un-amended sales lite		
issued by the manufacturer, samples, independent		
evidence or is subsequently found to be contradicted		
liable for rejection. A statement either in the Bidder		
to be false either during Bid evaluation, post-qualifi fraudulent and render the Bidder or supplier liable		
and/or <b>GCC</b> Clause 2.1(a)(ii).	or prosecution subject to the pro	
		REFERENCES
REQUIRED SPECIFICATIONS	STATEMENT OF COMPLIANCE	(include supporting documents)
		(attach brochure / technical data
		/ website, etc.)
ITEM 2: 8 - 10 TPH CAPACITY RICEMILL		
	1	
I. General Specifications           1. Ricemill features		
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b. From the pre-cleaner, pre-cleaned paddy is
conveyed to the <b>mill day bin</b> to prepare the
desired volume of input for the continuous
milling activity.
c. From the mill day bin, paddy is conveyed to
the <b>destoner</b> to remove particles such as small
stones, mud balls and other impurities.
d. The pre-cleaned and de-stoned paddy is
deposited in the <b>paddy collection bin</b> before it
is subsequently conveyed to the <b>rubber roll</b>
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 <b>paddy separator</b> 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 <b>1st stage</b>
(abrasive) whitener.
h. Partially milled rice moves to the <b>2nd and</b>
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 <b>sifter</b> (brewer rice
removed by the sifter).
k. Then milled rice is moved to the <b>color sorter</b>
to remove damaged and discolored kernels.
I. Polished rice is moved to the <b>length grader</b>
(head rice is moved to <b>head rice bin</b> while
broken rice is moved to <b>broken rice bin</b> ).
m. Pre-selected amount of head rice and
broken rice move to the <b>blending station</b> .
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 <b>packaging area</b> 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 storage or directly shipped
out for distribution to intended NFA clienteles.
lajor 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

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	
<ul> <li>w/ angle-bar stiffener support</li> </ul>	
- 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	1
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-	

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	
is a set parter (mich display that shows status	
and error messages)	

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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
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
-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
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)

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Other requirements	
- Must have one spare abrasive roller	
- Must have one spare abrasive roller	
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 $700,050 \times 500,700 \times 600,850 \text{ cm}$	
Interior - 700-950 x 500-700 x 600-850 cm	
Exterior - 800-1000 x 500-800 x 900-1300 cm	
Weight : 100-150 kg	4
Blower : Centrifugal blower	4
Volume of Air Treated : 320 ± 10 m3/h	4
Voltage / Frequency : 230 Vac, 50/60 Hz	
Material :	
Frame - Powder-coated steel	
Glass – Tempered or laminated safety glass	4
Type of Filter : Organics - Gases or vapors	
Other Requirements	
Should include 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)	
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	1
Gauge Type : Digital	1
Digital : LED or LCD	1
Range : 0-25 mm	
Accuracy : ± 0.001	1
Resolution : 0.01 mm	†
Measuring Force : 1.5 less N	4
Units : Metric	4
Power Source : Battery Operated	
Other Requirements	
Should include the following parts and	
Should include the following parts allo	
features:	1
features:	
-Anvil with groove	
-Anvil with groove -User's manual	
features: -Anvil with groove -User's manual -With at least one (1) year warranty and after- sales services (e.g. preventive maintenance)	
-Anvil with groove -User's manual -With at least one (1) year warranty and after-	

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)
<b>BOTTOM PAN (RECEIVING PAN):</b> 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
Hoovy duty construction
-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:	
- 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:	
Mithe Assessment I'd	
-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 : ± 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	
Feed Hopper / Bucket:Stainless steel	

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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, ± 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
RESULUULU . U.I C dIQ U.1% KH
Power Source : Battery operated
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
-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

nt LED
60mL
0-40 °C
5% RH (non-
VAC (50/60Hz)
285-295; H=180-
es, optical standard,
sample filler, cover
ent glass filters, fuse,
nanual and thermal
manufacturer's
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prove inventory
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tor's or bidder's
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ther machine. icient/compatible to ch machine. be made from 4 grade) while d milled rice shall be grade plastic cups. ust be of appropriate instand a seizmic zone t with two-way valve, essary, attached to grain flow from a g. n port at the elevator elevator booth for <b>Collection System</b> <b>Compactor</b>
ther machine. icient/compatible to ch machine. be made from 4 grade) while d milled rice shall be grade plastic cups. ust be of appropriate hstand a seizmic zone t with two-way valve, essary, attached to grain flow from a g. n port at the elevator elevator booth for compactor be made of 2mm MS
ther machine. icicient/compatible to ch machine. be made from 4 grade) while d milled rice shall be grade plastic cups. ust be of appropriate hstand a seizmic zone t with two-way valve, essary, attached to grain flow from a g. n port at the elevator elevator booth for <b>Compactor</b> be made of 2mm MS (steel bars.

c) WIth capacity to hold ricehull accumulated
over an 8-hour ricemill operation.
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.
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.
f) Provision of service ladder and railings for
the unloading of rice hull, repair and
maintenance of the rice hull tank.
g) The rice hull bin should be painted with
rust-proofing primer and with final paint color
h) Provision of appropriate rice hull compactor
system to compress rice husks to bales to
reduce space during transport or storage.
3. Dust Collection System
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

Centralized compressed air room with line filters, air dryers, air tanks and with variable	
permanent magnet motors.	
Additional Requirements	
•	1
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	

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	
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	
Registered trademark of the manufacturer	
Name and address of the manufacturer	
<ul> <li>Name and address of the</li> </ul>	
<ul> <li>Name and address of the importer/distributor</li> </ul>	

• Type; Serial number		
<ul> <li>Load capacity, metric tons</li> </ul>		
<ul> <li>Rated power/voltage/ frequency/ phase, in</li> </ul>		
metric units		
<ul> <li>Shipping information</li> </ul>		
• Dry weight in metric units		
Dimensions in metric units		
<ul> <li>Safety/Precautionary markings</li> </ul>		
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)		
RTIFICATIONS:		
1		
<b>1.</b> 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.		
	-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.		
	<ul><li>a) Record of sales (Official receipt); or,</li></ul>		
	<ul><li>b) Bill of lading, and/or other similar records</li></ul>		
	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.		
	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		
	hin <b>two (2) years</b> 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 II be in accordance with PNS/PAES 138:2004 –		
	icultural Machinery – Guidelines on After Sales		
Serv	-		
	ivery Period:		
	very within one hundred eighty (180) calendar		
	s from receipt of Notice to Proceed;		
	allation, testing, and commissioning is within		
	hundred twenty (120) calendar days from		
	cessful delivery.		
	ce of Delivery:		
	Warehouse in Region III:		
	gy. Imelda, Cabanatuan City, Nueva Ecija		
	gy. Jefmin, Concepcion, Tarlac		
		1	

Payment Terms:
1. Advanced payment of <b>15 %</b> 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 ( <b>25%</b> of contract amount)
<li>ii. Ricemill (25% of contract amount)</li>
b. Installation
i. Grain Dryer ( <b>10%</b> 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

Signature

Name and Designation

Date

Signature

Agricultural and Bio-systems

Engineer

Name and Designation

Date