



Republic of the Philippines
 Department of Agriculture
Philippine Center for Postharvest Development and Mechanization
 Science City of Muñoz, Nueva Ecija, Philippines
 Telephone Nos. 09328696837 (Sun); 09178130852 (Globe) loc. 141/142/143/144;
 Email add.: amp@philmech.gov.ph

REQUEST FOR QUOTATION

RFQ No.: R-23-07-340
 PR No. : 23-07-G-310/311/312

Please quote your lowest price on the item/s listed below, subject to the General Conditions on the last page, stating the shortest time of delivery and submit your quotation duly signed by your representative not later than July 14, 2023.

The Philippine Center for Postharvest Development and Mechanization (PHilMech) reserves the right to reject any or all bids/quotations, to refuse to make an award for any item/s due to budget limitation, procurement regulations, or other similar valid causes and to waive any formality not affecting the substance of the bid as the interest of the government may require. It further assumes no responsibility whatsoever to compensate or indemnify suppliers for any expense/s incurred in the preparation of their quotation/s.

 JUL 05 2023
RAYMUND JOSEPH P. MACARANAS
 Authorized Official

 Buyer/Canvasser

ITEM NO.	QTY.	UNIT	ITEM AND DESCRIPTION		UNIT PRICE	TOTAL PRICE
			Per Request	Offer/Brand/Model		
1	500	pc	RPS Campaign Primer Size: 12" x 9" (spread) 6" x 9" (folded) Pages: 8 (2 leaves) Material: C2S 80 lbs Color: Full color Binding: Saddle stitch Packing: by 50 Other requirements: 1. Sample material and printing required 12. Minor revisions allowed 3. Delivery in PHilMech Main Office			
2	700	pc	RPS Training Extension Notebook Notebook Size: 6" (W) x 8" (H) Binding: Saddle stitch *Cover Type of paper: C2S #200 with matte lamination Color: Full color *Pages No. of leaves: 40 Type of paper: Book paper 50 lbs Color: Black and white			



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3	700	pc	<p>Other requirements:</p> <ol style="list-style-type: none"> 1. Sample material and printing required 2. Minor revisions allowed 3. Delivery in PHilMech Main Office <p>RPS Kit Folder with Flyers</p> <p>*Kit Size: 14" x 9" (spread), 7 x9" (folded) Pocket: 7" x 3.25" Paper: Claycoate #12 Color: Full color</p> <p>*Insert flyers Loose leaf: 3 Size: 6.75" x 8.75" Paper: Book paper 80 lbs Color: Full color</p> <p>Other requirements:</p> <ol style="list-style-type: none"> 1. Sample material and printing required 2. Minor revisions allowed 3. Delivery in PHilMech Main Office 			
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Delivery Period : _____
 Price validity : _____
 Warranty : _____
 Terms of Payment : _____



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General Conditions

1. The Approved Budget for the Contract (ABC) is 74,000.00.
2. Specifications herein provided are the minimum requirements of the PHilMech. Hence a supplier must not offer lower specifications than required.
3. Supplemental information shall be indicated/attached in the price quotation to reflect the complete specifications e.g., brand name, model, pictures/brochures of the offer.
4. Quotation must be inclusive of all costs and applicable government taxes, including delivery charges.
5. Award of the contract shall be made to the lowest complying/responsive bid/offer.
6. Price validity shall be forty five (45) calendar days from the deadline of submission of quotation.
7. For those with ABCs above Fifty Thousand Pesos (PhP50,000.00), suppliers shall submit copies of the following documents in support of their quotation, to wit:

- | | | |
|-------------------------------------|------|--|
| <input checked="" type="checkbox"/> | 7.1 | Current Mayor's/Business Permit |
| <input type="checkbox"/> | 7.2 | DTI/SEC Certificate of Registration |
| <input checked="" type="checkbox"/> | 7.3 | BIR Certificate of Registration |
| <input type="checkbox"/> | 7.4 | PhilGEPS Registration Certificate (Platinum) all pages |
| <input type="checkbox"/> | 7.5 | Omnibus Sworn Statement |
| <input type="checkbox"/> | 7.6 | Income/Business Tax Return |
| <input type="checkbox"/> | 7.7 | Professional License/Curriculum Vitae (Consulting Services) |
| <input type="checkbox"/> | 7.8 | PCAB License (Infra.) |
| <input type="checkbox"/> | 7.9 | Net Financial Contracting Capacity (NFCC) |
| <input type="checkbox"/> | 7.10 | Documents required as stated in the Technical Specifications |
| <input type="checkbox"/> | 7.11 | Others |

8. Supplier shall be responsible for the source/s of its goods/services/equipment, and which shall be in accordance with the schedule and specifications of the RFQ or PO. Failure of the supplier to comply with this provision shall be ground for cancellation of the award or purchase order issued to the supplier.
9. Payment shall be made only upon completion and acceptance by the PHilMech.
10. Supplier warrants that all goods/services/equipment to be provided are of acceptable industry standard.
11. Delivery period shall be indicated in the quotation. A penalty of 1/10 of one percent for every day of delay shall be charged as liquidated damages on the undelivered items/services.
12. Payment shall be made upon inspection and acceptance of delivery subject to prior submission of sales invoice/delivery receipt and other requirements as maybe necessary
13. In conformity with the Direct Payment Scheme via bank debit system, please credit/deposit payment to:

Name of Bank: _____

Bank Branch: _____

Account Name: _____

Account No.: _____

After having carefully read and accepted the General Conditions attached to the Request for Quotation, I/We quote you on the item/s at prices indicated above.

Printed name and signature of Authorized Representative

Designation: _____

Company Name: _____

Business Address: _____

~~PhilGEPS~~ Registration No.: _____


TIN: _____

Contact No/s.: _____

Email Address: _____

MAY TANONG TUNGKOL SA RICE PROCESSING SYSTEM?

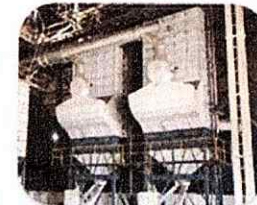
Pag-usapan natin yan! Makipag-ugnayan sa:

-  @philmech
-  od@philmech.gov.ph
-  rcef.philmech.gov.ph
-  22-5651-860 (Smart/Sun/TNT)
21-581-860 (Globe/TM)

Paalala: Ang brand ng mga makinaryang nasa larawan ay nagkataon lamang at hindi nangangahulugang pag-iindorso.

MGA TANONG AT SAGOT RPS

Rice Processing System



Department of Agriculture
Philippine Center for Postharvest Development and Mechanization
CLSU Compound, Science City of Muñoz, Nueva Ecija

2023

Rice Processing System (RPS)

Ang pagtatayo ng Rice Processing System o RPS ay isa sa mga pamamaraan ng RCEF Mechanization Program upang tulungan ang mga magsasakang Filipino tungo sa matatag at kumpetitibong sektor ng agrikultura.

Layunin nito na makamit ang hustong benepisyo ng mekanisasyon sa pagbuo ng kumpletong hanay ng makinarya sa pagpapalay. Ito ay sa pamamagitan ng RPS na ipamamahagi sa mga kwalipikadong Farmers' Cooperatives and Associations (FCAs) at Local Government Units (LGUs) mula sa mga pangunahing probinsiya na nagtatanim ng palay sa Pilipinas.

Ang RPS ay binubuo ng mga makinaryang gamit sa pagpapatuyo ng palay at paggigiling ng bigas. Katuwang ang mga makinarya sa paghahanda ng lupa, pagtatanim ng binhi o punla, at pag-aani ng palay, inaasahan ang mas mataas ani, kita at kakayahan ng mga magsasaka na makipagsabayan sa mga karatig-bansa.

Anu-ano ang mga layunin ng programa?

- ✓ Tulungan ang mga magsasaka na maibsan ang mga hindi inaasahang epekto ng Rice Tariffication Law sa pamamagitan ng abot-kayang serbisyo na maibibigay ng RPS sa mga magsasaka
- ✓ Bigyan ng karagdagang kita ang mga magsasaka mula sa pagpoproseso at pangangalakal ng de-kalidad na bigas at mga produkto nito
- ✓ Pababain ang porsiyento ng mga natatapon o nasasayang na butil sa makatapos-ani at pagandahin ang kalidad ng giniling na bigas

Anu-ano ang mga makinarya o pasilidad na ipamamahagi?

Ang RPS ay may tatlong package: RPS Level 1, RPS Level 2, at RPS Level 3. Maaring makatanggap ang mga kwalipikadong FCAs o LGUs ng isa sa mga ito ayon sa kanilang kakayahan o kapasidad.

RPS 1 <i>(Potential service: Minimum of 225 ha at 4 tons/ha)</i>	
Recirculating dryer	Multi-stage rice mill
- Heating source: diesel and biomass	- Number of unit: 1
- Number of units: 2	- Input capacity (dried palay): 1.5 tons/h or 1,800 tons/yr
- Input capacity per unit: 6 tons/batch	- Output capacity (milled rice): 1,170 tons/yr
	- Milling recovery: 65%

RPS 2 <i>(Potential service: Minimum of 300 - 450 ha at 4 tons/ha)</i>	
Recirculating dryer	Multi-stage rice mill
- Heating source: diesel and biomass	- Number of unit: 1
- Number of units: 2	- Input capacity (dried palay): 2-3 tons/h or 2,400-3600 tons/yr
- Input capacity per unit: 12 tons/batch	- Output capacity (milled rice): 1,560 - 2,340 tons/yr
	- Milling recovery: 65%

RPS 3 <i>(Potential service: Minimum of 600 - 750 ha at 4 tons/ha)</i>	
Mechanical dryer	Multi-stage rice mill
- Heating source: diesel and biomass	- Number of unit: 1
- Number of units: 3	- Input capacity (dried palay): 4-5 tons/h or 4,800 - 6000 tons/yr
- Input capacity per unit: 12 tons/batch	- Output capacity (milled rice): 3,120 - 3,900 tons/yr
	- Milling recovery: 65%

LGUs:

- 1 Letter of intent at sanggunian resolution
- 2 Rice production profile na may listahan ng mga magsasaka ng palay at listahan o imbentaryo ng mga makinarya o pasilidad na mayroon ang bayan o lugar



Mga Karagdagang Dokumento

- 1 Impormasyon ukol sa pagmumulan o panggagalingan ng suplay ng mga ipoprosesong palay

Para sa FCAs: Ang lugar ay napaliligiran ng mga barangay na may hindi baba sa 360 ektaryang palayan, kung saan 200 ektarya ay pag-aari ng mga aktibong miyembro ng samahan

Para sa LGUs: Ang bayan o munisipalidad ay may sakop na hindi baba sa 1,080 ektarya ng palayan

- 2 Katibayan ng pagmamay-aari (title, usufruct agreement o deed of donation) ng lugar na pagtatayuan ng warehouse at pag-iimbakan ng mga palay at bigas

➤ Ang lawak ay angkop o hindi bababa sa sukat na kinakailangan (RPS Level 1 – 300 m²; RPS Level 2 – 600 m²; RPS Level 3 – 1,000 m²)

➤ Ang lugar ay may layo na hindi baba sa 300 m mula sa mga kabahayan, paaralan, hospital at iba pang gusali

➤ Mayroon o naaabot ng 3-phase connection na suplay ng kuryente

- 3 Katunayan ng pagkakaroon ng sapat na puhunan o kapital

- 4 Feasibility study proposal (nilalaman nito ang mga imunangkahing plano ng samahan ukol sa pamamalakad o paggamit ng RPS)



Sinu-sino ang mga potensyal na benepisyaryo ng RPS?

- ✓ FCAs na naggigiling ng bigas gamit ang mga makinarya o pasilidad na kailangan nang palitan o i-upgrade dahil sa anuman sa mga sumusunod na dahilan:
 - Ang ricemill ay palitin o luma na (15 taong gulang o pataas)
 - Ang makinarya ay single-pass rice mill
 - Ang produksyon ng makinarya ay hindi nakasusunod sa pangangailan o pamantayan ng pamilihan/mamimili
 - Ang makinaryang gamit ay may mababa at hindi sapat na kapasidad
 - Naghayag ang FCA ng pangangailangan ng agarang pagpapalit o upgrading
 - Handa ang FCA na sagutin ang mga gastusin sa pagpapatayo o pagbabago ng isktraktura ng warehouse na kakailanganin para sa mga bagong yunit ng makinarya o pasilidad

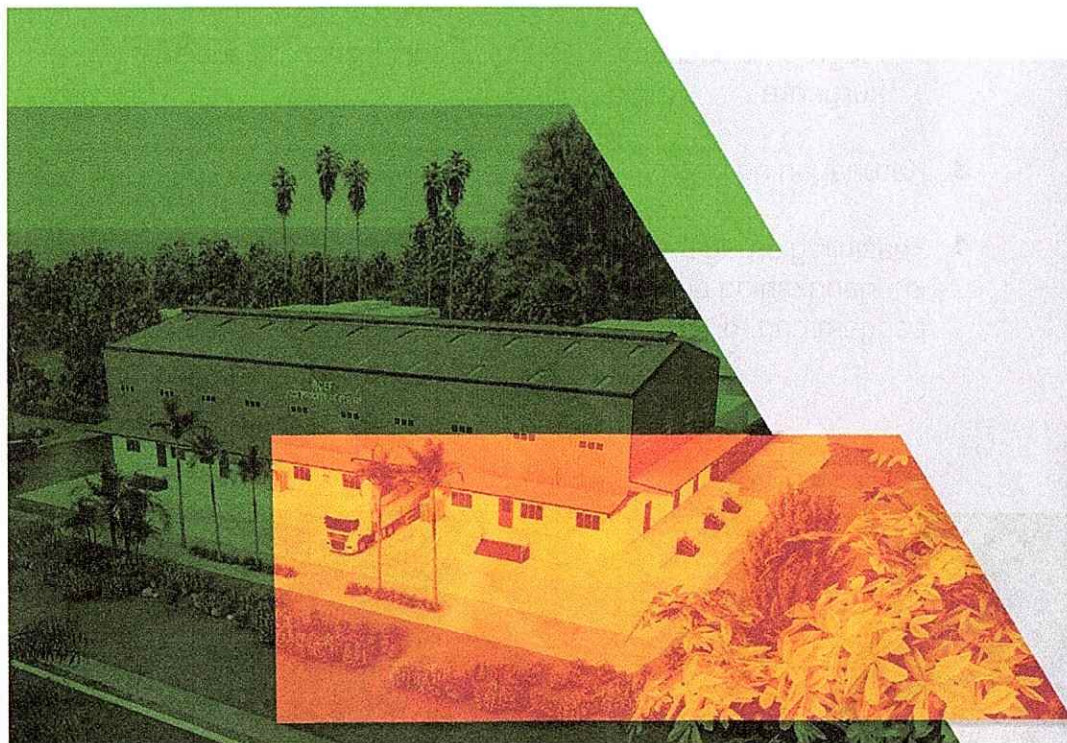
- ✓ FCAs na namimili ng palay at nais na pasukin ang pagpoproseso o paggigiling ng bigas
- ✓ FCAs na nakatanggap na ng mga makinarya mula sa RCEF at gustong pasukin ang pamimili ng palay, pagpoproseso at pangangalakal ng bigas
- ✓ LGUs na may kagustuhan, kakayahan, at may kumpletong dokumentong kailangan sa aplikasyon

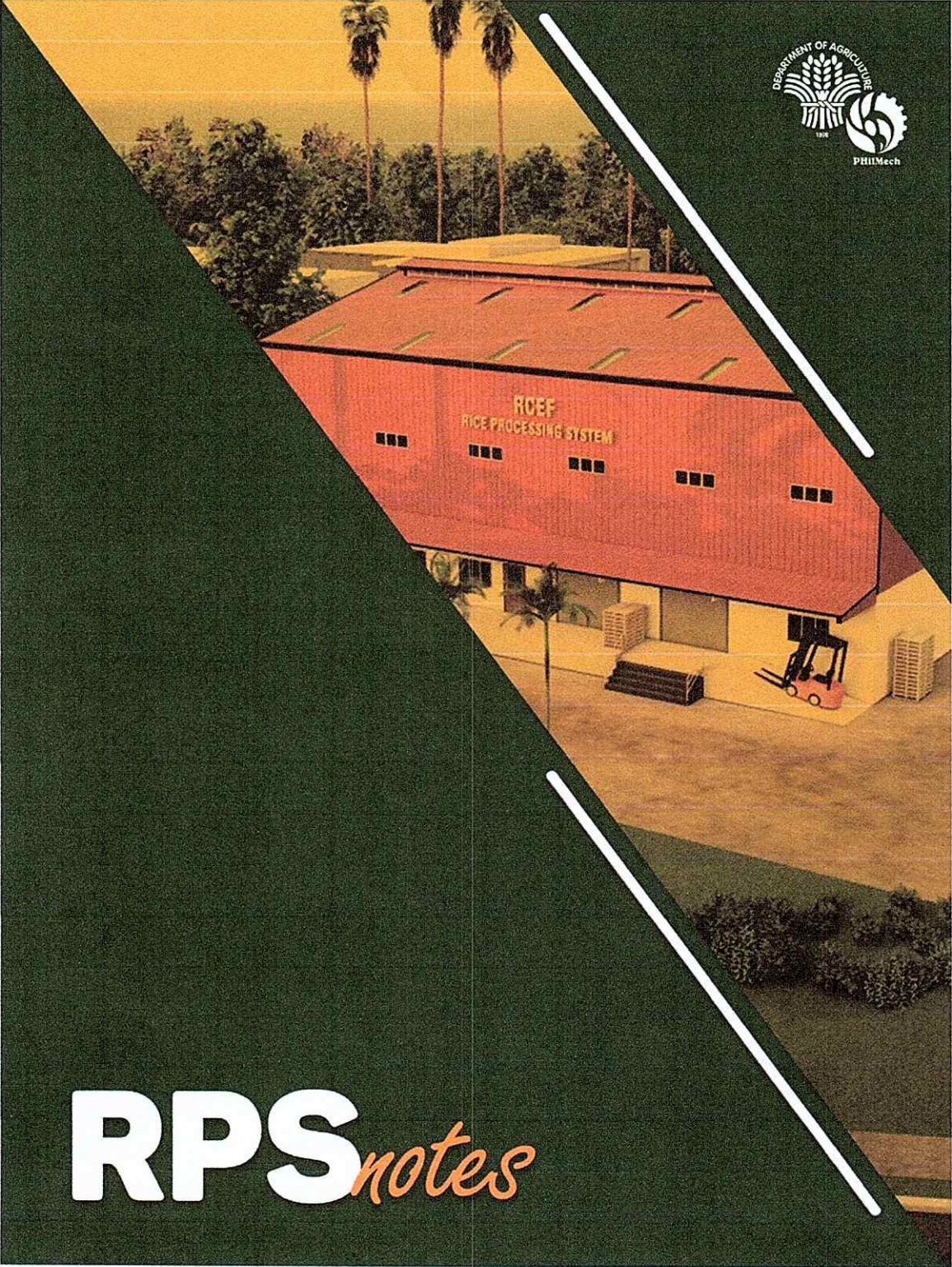
Anu-anong dokumento ang kailangan sa aplikasyon?

Mga Pangunahing Dokumento

FCAs:

- 1 Letter of intent at board resolution mula sa samahan
- 2 Certificate of Registration mula sa CDA/SEC/DOLE
- 3 Certificate of Accreditation mula sa Department of Agriculture
- 4 Financial statement ng samahan mula sa nakaraang dalawang taon
- 5 FCA profile (listahan ng mga miyembro kaakibat ang luwang ng sinasakang bukid ng bawat isa; listahan o imbentaryo ng mga makinarya o pasilidad na nabili at natanggap ng samahan mula sa gobyerno)





RPS *notes*

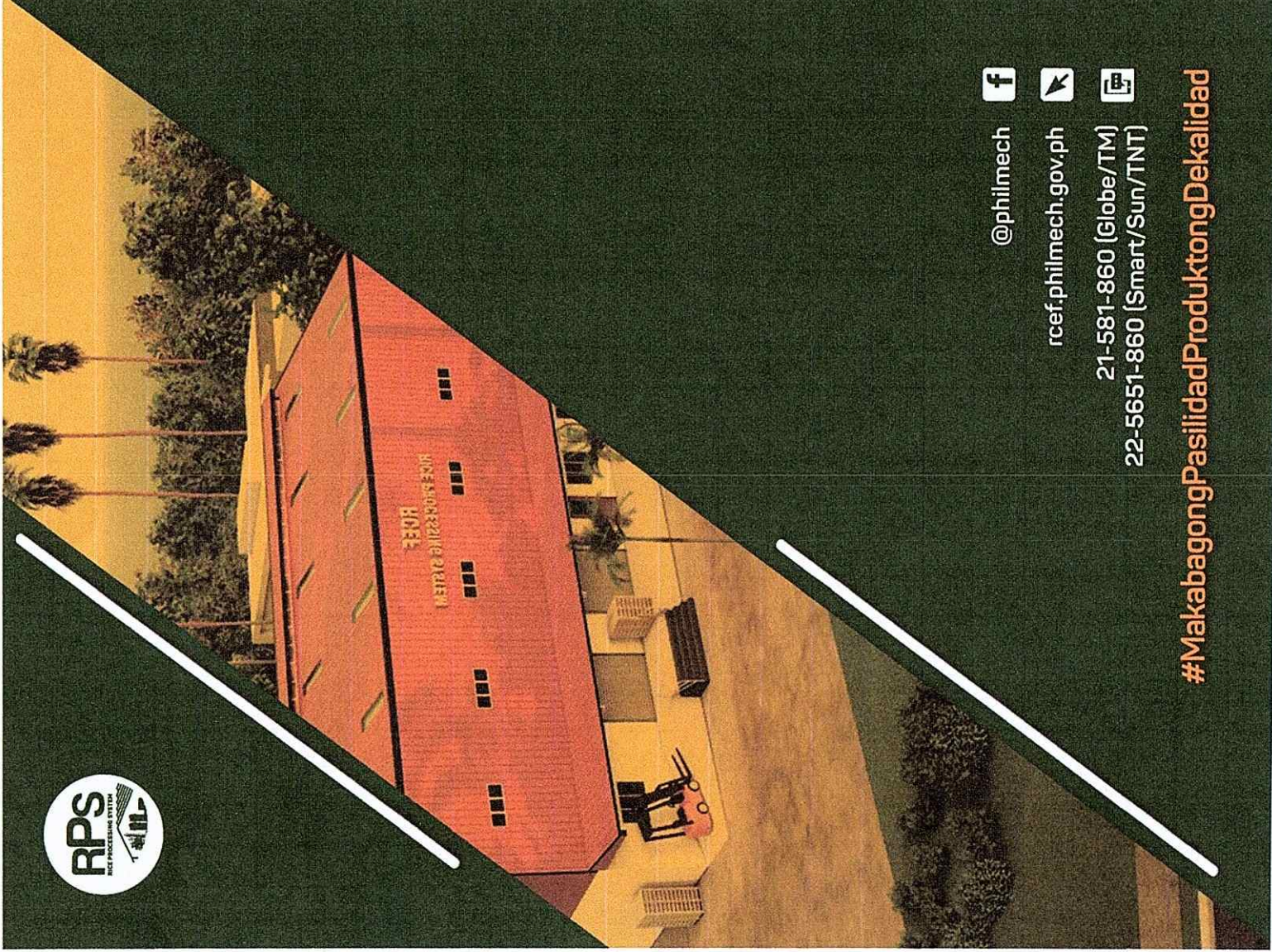
Personal Information

Name: _____

Address: _____

Contact No.: _____

Email: _____



RICE PROCESSING STATION
RPS



@philmech



rcef.philmech.gov.ph



21-581-860 (Globe/TM)

22-5651-860 (Smart/Sun/TNT)

#MakabagongPasilidadProduktongDekalidad



Philippine Center for Postharvest Development and Mechanization (PHilMech)

CLSU Compound, Science City of Muñoz, Nueva Ecija

 **Website** | rcef.philmech.gov.ph

 **Facebook** | @philmech

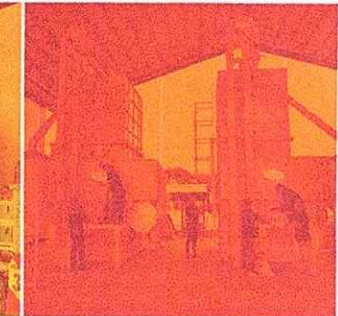
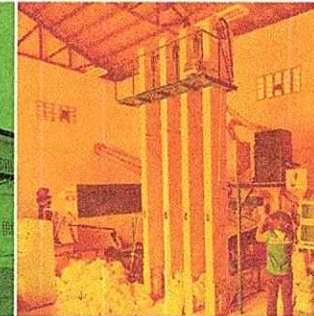
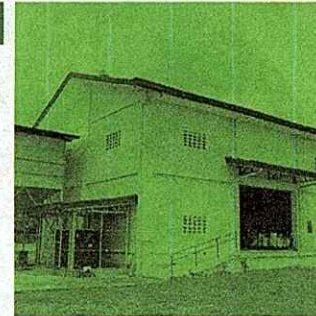
 **Email** | od@philmech.gov.ph

 **Text Hotline** | 21-581-860 (Globe/TM)
22-5651-860 (Smart/Sun/TNT)

Disclaimer

The appearance of names/photos of branded agricultural machines is meant to present available products in the market. It does not mean endorsement of the product by PHilMech.

RCEF Mechanization Program



RICE PROCESSING SYSTEM

Makabagong Pasilidad Produktong Dekalidad

RPS 1

RPS 2

RPS 3



Philippine Center for Postharvest Development and Mechanization
CLSU Compound, Science City of Muñoz, Nueva Ecija

2022

About PHilMech

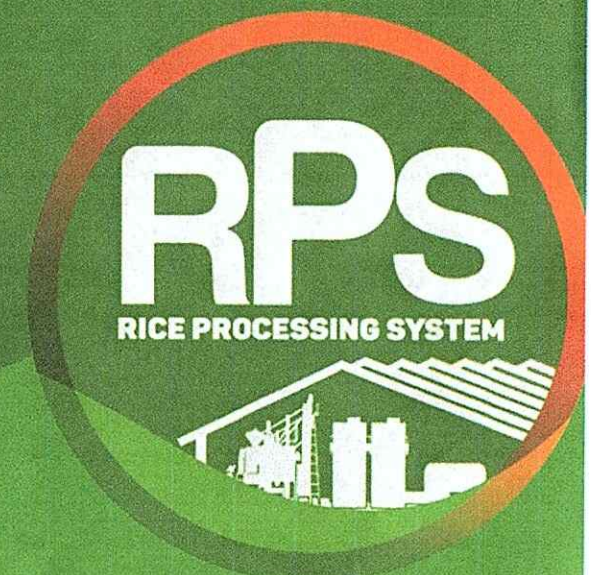
The Philippine Center for Postharvest Development and Mechanization (PHilMech) was formerly known as the National Postharvest Institute for Research and Extension (NAPHIRE).

It was created on May 24, 1978 through Presidential Decree 1380 to spearhead the development of the country's postharvest industry. NAPHIRE was then a subsidiary of the National Grains Authority (NGA), now the National Food Authority.

In 1986, the agency moved to its new home at the Central Luzon State University compound in Muñoz, Nueva Ecija. From a government corporation, NAPHIRE was transformed into a regular agency through Executive Order 494 in 1992. It was renamed as the Bureau of Postharvest Research and Extension (BPRE).

Pursuant to Executive Order 366 or the government's rationalization program, BPRES became the Philippine Center for Postharvest Development and Mechanization (PHilMech) in 2010.

In 2019, the Republic Act No. 11203 otherwise known as the "Rice Tariffication Law" was promulgated. It created the Rice Competitiveness Enhancement Fund (RCEF) or Rice Fund and allocated Php5 billion of its annual fund to PHilMech for the implementation of RCEF Mechanization Program.



Multi-pass Rice Mill (1.5 tph)

RCEF Mechanization Program



Technical Specifications

- ✓ Hulling system: Rubber roll
- ✓ Input capacity: 1.5 ton/hr, minimum
- ✓ Hulling efficiency: 79%, minimum
- ✓ Milling recovery index: 0.95, minimum
- ✓ Percent Head rice index: 0.90, minimum
- ✓ All components and accessories are brand new, latest brand model and not rebranded/renamed
- ✓ Provision of easy maintenance, repair and monitoring for all components and parts of the rice mill



RPS 1

Rice Processing System

Components

- | | |
|--|-------------------------------|
| - Sifter | - Dust collection system |
| - Pre-cleaner | - Rice hull bin |
| - De-stoner | - Grain bucket elevator |
| - Rubber roll huller | - Bagging bin for milled rice |
| - Husk aspirator | - Blending tank |
| - Paddy separator | - Length grader |
| - Whitener | - Color sorter |
| - Steel/concrete feeding hopper, floor level | - Mist polisher |

Accessories

- | | |
|------------------------------------|-----------------------------|
| - Portable handheld moisture meter | - Portable bag sewer |
| - Plastic pallets | - Standard heavy duty tools |
| - Vacuum cleaner | - Spare rubber rolls |
| - Weighing scale (2 tons capacity) | - Spare whitener screen |

Philippine Center for Postharvest Development and Mechanization



rcef.philmec.gov.ph



od@philmec.gov.ph



[@philmec](https://www.facebook.com/philmec)

2 units Recirculating Dryer (6-ton)

Rice Processing System



Technical Specifications

✓ Product Quality

- * Cracked grain, % Increase: 3% maximum
- * Head rice, % decrease: 5% maximum
- * Hulled/damaged grain % increase: 2% maximum
- * Drying Loss/Spillage: 1% maximum

✓ Drying System

- * Holding capacity: 6 tons wet paddy @ 24% moisture content, minimum
- * Moisture gradient: 2% maximum
- * Drying efficiency: 75% minimum
- * Drying rate: 0.8 %/hr minimum
- * With compatible single-phase electric motor for the drying system
- * Vertical rectangular bin
 - Consist of rectangular vertically installed drying chamber

✓ Construction: **Stainless steel - ASTM 304** or any appropriate/equivalent ASTM for all parts that come in contact with the wet paddy such as:

- * Drying bin wall
- * Elevator casing
- * Auger Casing
- * Bottom boot section of the elevator
- * Drying Chamber: perforated screen for non-LSU type or inverted V-duct for LSU type
- * Discharge chute
- * Auger
- * Receiving hopper

✓ Mounting Frame

- * Steel angular bar (50mm x 50mm x 6mm, minimum)
- * Mounting frame shall be fitted with brackets for concrete floor installation

Components

✓ Heating System 1

- Petroleum based fuel: Direct-fired
- Heating system efficiency: 90%, minimum

With the following accessories:

- Flame sensor
- Electronic ignition system
- Automatic fuel shut-off
- Adjustable fuel vaporizer
- Automatic temperature control
- Temperature monitoring system
- Galvanized fuel container made of non-corrosive and heat-resistant material at 100li capacity, minimum
- Compatible single-phase electric motor for the heating system

✓ Heating System 2

- Biomass fuel: Indirect-fired
- Heating system efficiency: 50%, minimum
- Heat exchanger: Fire tubes
- Burning chamber: Made of refractory bricks

- * With automatic fuel feeder: Auger/air blown/plunger type (Provided that the feeder is not directly exposed to the burning fuel)

With the following accessories:

- With temperature control
- With compatible single-phase electric motor

✓ With provision of ducting to divert heat source from heating system 1 or heating system 2

- Made of stainless steel or powdered coated B.I. sheet

✓ Dust collection system

With the following accessories:

Generator set

- Capacity: Compatible to the drying system, able to provide sufficient continuous and peak power requirements of the drying system

"Makabagong Pasilidad Produktong Dekalidad"