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PR-2023-1220-164451

OP 1/5/24



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : 118-4-751-2024-11-0-0

Dept./Office: DABE

Section/End-User: Lorbert G. Mazo

Funding Source: Trust Fund

PR No.: TF-2023-12-02971

Date: 12-20-2023

Category: Machineries

Project Title/Code: Upgrading of Farm Mechanization
 Facilities at Visayas State University

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	3in1 seed spreader, fertilizer applicator pesticide sprayer	unit	2	80,000.00		160,000.00
2	Laser guided land leveler	unit	1	670,000.00		670,000.00

Specification:

Laser Guided Land Leveler Pro-10000 with PTO Pump

Celec group is the first to introduce the technology of Laser Land Leveller for Farm, Fields/Lands with Subsidy Approved. Celec is one of the leading manufacturers and exporters of Laser land leveler which aims to ensure water conservation. Entire technologies were developed by Celec to achieve the highest laser range, high efficiency and accurate working of the rotary laser at high temperature. In house manufacturing, Development, and testing center for Laser Land Levelers. Get the maximum yield of crops using Celec Laser Land Leveler.

Working	10 feet (3 mtr)
Suitable HP	60 – 90 HP
Efficiency	5.5 ltr/hour
Range	1500 meters
PTO Pump equipt	1HP Required
Hydraulic Pressure	250 Bar Max
Operating Voltage	12V DC

3	Power tiller with complete accessories	unit	1	160,000.00		160,000.00
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Specification:

Belt cover Full cover type Bore x Stroke 97 x 96 mm Brake Internal expansion shoe and drum type Cooling system Pressurized radiator, crankshaft driven cooling fan Cylinder displacement volume 709 Engine oil grade/volume SAE30 or SAE10W-30, SAE40 or SAE15W-40 / API CF of above/ 2.8 Liters Engine pulley outside diameter 120 Fuel tank capacity 11 Main clutch Dry multi-plate type Maximum Torque 4.4 / 1600 [43.1 / 1600] Model RT140 DI-EM Model name PEM480-IN Power Transmission System 3 V-belts (Belt section: B, Length: 78 in) Gear Gear (dependence with traveling sub-speed shift) Rated Continuous output 13 / 2400 [9.56 / 2400] Rated maximum output 13 / 2400 [9.56 / 2400] Safety cover Flywheel cover and muffler heat shield Specific Fuel Consumption (Average value at continuous output) 185 [252] Standard implements & accessories *Rotary tiller [RP80M-IN], Rubber tire, paddy

wheelStarting systemHand cranking with handle (double speed ratio)Steering clutchBolt-on Internal gear insert type (14 teeth)Tires7.0-16 (Rolling Diameter 71 cm)Total weightWeight kg 80, Rubber tires kg: 346, Paddy wheel kg:329Transmission oil grade / volumeSEA90 / API GL-4 / 7.5 - 8 LitresTraveling speed stepMain speeds shift: 3 forwards, Sub-speeds shift: 1 revers 2 (Type4-Cycles, horizontal piston, water cooled, direct-injection diesel engineWeight (dry)100kgWeight(kg)116Wheel track width800-950mm

4	Rice Combine Harvester	unit	1	2,000,000.00	ELDON P. DE PADUA	2,000,000.00
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Specification:

Engine	Diesel Engine (Direct Injection)
Model	V2403-M-DI
Horse Power	70
Max Engine Rotation	2700
Battery	12V / 65 Ah
Fuel Tank	85
Strength	Reduce Fuel Costs, Full horse power, able to handle long hours
Track Size	Ground contact length 1700 mm
Wide	500 mm
Speed Shift System	HST (Hydraulic Control)
Tranvelling Speed	L,M,H (3 Step)
Steering System	Electric and Brake Disc
Brake System	Hydraulic Brake
Strength	Power Steering, Smooth Brake System
Harvest Type	Full Harvesting Type
Blade Width	1.980 mm
Reaper Control	Hydraulic
Strength	Able to handle any type of paddy fields
Length×Width×Hight	(4800x2260x2990) mm
Ground Clearance	325 mm
Weight	3000 kg
Threshier System	Tooth Bar
Threshing Drum	(620x1650) mm
Thresh Shaft Rotation	560 RPM
Number of Sieve	4 pcs
Grain Tank	Hopper
Safety Switch	Main Shift Gear, Threst Clutch
Working Acre per hour (Test by SKC team)	1 - 1.25 Acre
Fuel Consumption per hour (Test by SKC team)	7.5 Liters
Strength	Safty Switch

5	Rice Reaper	unit	1	250,000.00		250,000.00
Specification: Specifications: <div> Engine3.5 hp, minimum of 4 stroke gasoline Cutting heightAdjustable Cutting width1.2 m Field efficiencyMinimum of 65 % ComponentsCage wheel, pneumatic tires Labor requirement1 person </div>						
6	Rice Seeder, Tractor mounted	unit	1	190,000.00		190,000.00
Specification: <div> Length (mm)360 Width (mm)700 Height (mm)330 Weight (kg)Approx. 9 Hopper capacity (L)Approx. 16 Standard seeding amount (cc)180 to 450 (rice bud) Sowing width (mm)580 to 590 Seeding speed (seconds/tray)2 to 3 (the speed like walking slowly) Driving methodDriven by front 2 wheels RemarksSpreading method </div>						
7	Rice Thresher, throw in type	unit	1	160,000.00		160,000.00
Specification: MobilityWith Wheels and Drawbar DesignPeg-tooth/ Concave Grate Width1.5 m. Engine Power12 HP - 16 HP Forward speed2.5 kph - 4.5 kph Weight200 kg – 500 kg Capacity0.5- 3 tons/hr Labor requirement(s)3-4						
8	Rice Transplanter	unit	1	250,000.00		250,000.00
Specification: Ditching Mode Continuous Ditching Sowing Precision Seeder Certification						

CE, ISO9001:2008

Condition

New

Warranty

One Year

Product Name

4 Rows Rice Transplanter

Structure Weight

162kg

Engine Model

175

Rated Power

2.6kw

Rotating Speed

3000r/Min

Productivity

0.13 - 0.2 Hm²/H

Fuel Consumption

Less Than 6.0kg/Hm²

Working Speed

0.34 - 0.80 M/S

Working Lines

4 Lines

Line Distance of Transplanting Seeding

300mm

Seeding Space

120 / 140 / 160 / 180 / 210mm

Transverse Taking Seedling Times

14 / 16 / 18 / 20 / 26

Gearshift Method

Gear Shifting

Walk Gear Type

Rubber Wheel Claw Type

Walk Gear Diameter

660mm

Transport Package

16 Units / 20? Gp Container

PURCHASE REQUEST

PR No. TS-2023-12-02871

Date: 12-20-2023

Category: Machinery

Project Title: Upgrading of Farm Mechanization Facilities
Faculty: Faculty of Agriculture and Forestry

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**Unmanned Aerial Vehicle (UAV)
Sprayer, 10 liter capacity**

unit

1

1,160,000.00

1,160,000.00

Specification:

Specifications of Unmanned Aerial Agro- chemical Spraying System.

Image not found or type unknown

TOTAL

5,000,000.00

Purpose: For Upgrading of Farm Mechanization Facilities

Checked by:

MARLON G. BURLAS

TWG - Machineries

Funds Available:

NICK FREDDY R. BELLO

HEAD, ACCOUNTING OFFICE

Signature:

Printed Name:

Designation:

Requested by:

LOBERT G. MAZO

END USER

Noted by:

ELDON P. DE PADUA

UNIT HEAD, PROJECT LEADER

Approved by:

DANIEL LESLIE S. TAN

OIC-PRESIDENT, VSU