



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

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PPMP-2025-1107-307183

# PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. **04**

☐ INDICATIVE ☒ FINAL

Fiscal Year: **2025**End-user or Implementing Unit: **Physical Plant Office**

PROCUREMENT PROJECT DETAILS					PROJECTED TIMELINE (MM/YYYY)			FUNDING DETAILS		Attached Supporting Documents	Remarks
General Description and Objective of the Project to be Procured	Type of the Project to be Procured (Goods, Infrastructure, Consulting Services)	Quantity and Size of the Project to be Procured	Recommended Mode of Procurement	Pre-Procurement Conference (Yes/No)	Start of Procurement Activity	End of Procurement Activity	Expected Delivery/Implementation Period	Source of Funds	Estimated Budget / Authorized Budgetary Allocation (Php)		
<b>Heavy Equipment</b>											
Boom Crane Truck	Goods	1 unit * 1	Competitive Bidding	Yes	11/2025	04/2026	04/2026	STF-CO	9,500,000.0	Technical Specification	
Wheeled Excavator with Attachments	Goods	1 unit * 2	Competitive Bidding	Yes	11/2025	04/2026	04/2026	STF-CO	10,500,000.00	Technical Specification	
<b>Sub-Total</b>									20,000,000.00		
<b>TOTAL BUDGET:</b>									<b>20,000,000.00</b>		

\* Please see attached specification

Prepared by:

Alfe Mae Ann E. Marinay  
**ALFE MAE ANN E. MARINAY**

Job Order

PPO

Date:

11/7/2025

Submitted by:

Marlon G. Burlas  
**MARLON G. BURLAS**

Engineer III

PPO

Date:

11/7/2025

PPMP-2025-110725-1503 (Project Code: Heavy Equipment to Support Infrastructure Projects of the University) original



Date Generated: 11/07/2025

AUCHA/ M. FURTADO  
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# **SPECIFICATION**

1. Boom Crane Truck

Truck Specification:
Drive System: At least 6-wheeler
G.V.W. Rating: At least 16,000 kg.
Net Payload: At least 9,000 kg.
Transmission: 6-Speed, Overdrive, Synchromesh 2nd - 6th
Tires and Rims: 11R22.5-16PR
Fuel Tank Capacity: At least 200 Liters
Engine: Four Stroke Diesel, In-line, 6 Cylinders, Turbo-charged & Intercooled, Overhead Camshaft, Water Cooled
Combustion: Direct Injection Type, At Euro IV Compliant
Fuel Injection System: Electronic Control Common Rail Type
Displacement: 7.684 cc
Max. Output (PS) ISO: 240
Max. Torque (Nm) ISO: 716
Max. Speed (Kph): 104
Suspension: (Front) Semi- Elliptic Tapered Leaf Springs (Reinforced Type) with Double Action Shock Absorbers (Rear) Semi- Elliptic Main and Auxiliary Leaf Springs (Reinforced Type)
Service Brake (Type): Full Air, Dual-Circuit, “S” Cam Type, Equipped with ABS
(Features): Leading and Trailing Shoes for Front and Rear Wheels
Parking: Air-operated Brake Acting on Rear Axle
Body Specifications

**Steel Runner:** Casted Channel Bar 6" x 2" with 1/2" x 2" flat belt cushion

**Flooring:** Checkered Plate 4.0 mm thick floor

**Floor Joists:** Bended C channel 4" x 2" x 1/8" thick deep floor joist

**Floor Sill:** Bended C channel 4" x 4" x 1/8" thick floor sill

**Side and Rear Drop:** Bended G.I. Sheet 2.0 MM Drop side Siding

**Locks:** Spring-type lock mechanism with drop side catcher

**Hinges:** Heavy-duty drop side hinges

**Electrical:** Clearance Light amber color on left and right sides (connected with fuse)

**Steps:** M.S. Plate 1/8" thick quarter bumper with 3.0 mm thick checkered plate step

**Body Anchorage:** Heavy-duty fabricated mounting brackets with U-bolts & High-tensile nut  
and lock washer

**Painting:** All steel parts shall be epoxy primered and finished with enamel paint

: Under body coating spray applied

**Additional:** 2 Layer Side Guard

**BOOM CRANE – (5 Ton Lifting Capacity with Outrigger)**

**Rated lifting Moment:** At least 12.5 MT Rated

**Lifting Capacity:** At least 5000kg (2.5m)

**Max. Outreach:** At least 9.0m

**Max. lines of the hook:** At least 4

**Slewing Angle:** Continuous

**Boom Raising Angle:** At least 0 – 75 degrees

**Max. Lifting Height:** At least 11.1m

**Length of the boom (retracted):** At least 4.3m

**Length of the boom (extended):** At least 9.3m

**Boom Sections:** At least 3

**Outrigger span (Full extended):** At least 5100 (m)

**Recommended Flow Rate:** 35 – 50 L/min

**Operating Pressure:** At least 25Mpa

**Recommended Oil tank capacity:** At least 100 L

**Crane Moment (dynamic):** At least 176.4 kNm/18.0mt

**Torsional moment (dynamic):** At least 13.1 kNm/1.3mt

**Crane Weight:** At least 2,260kg (Floor Control)

## 2. Wheeled Excavator with Attachments

### Wheeled Excavator Specification:

**Engine Type:** Direct Injection, Water Cooled, Turbo-charged, Air to Air Intercooler

**No. of Cylinders:** At least 4 cylinders

**Engine Rated Power:** 100-110 Kw @ 2000 -2100 rpm

**Engine Displacement:** 4500 cc- 5000 cc

**Operation Weight:** 14,000 - 15,000 kg

**Bucket Capacity:** At least 0.70 cubic meter

**Gradeability:** At least 35 deg

**Max Tractive Force:** 75 - 80 kN

**Bucket Digging Force:** 95-100 kN

**Max Dumping Height:** 5,850-5,950 mm

**Max Digging Depth:** 4,600-4,650 mm

**Swing System Pressure:** 245-260 MPa

**Swing Speed:** At least 12 rpm Travel Speed: (H/L) 35-40 km @ 10-12 h

**Wheel Base:** At least 2,800 mm

### Safety Configuration:

- Anti sway pin of parking cab
- Park auto block
- Driving light/reflector
- Front Working Light
- Rear View Mirror of Counter weight
- Left and right rear-view mirror

- Emergency Hammer
- Hydraulic Safety Locking Lever
- Anti Slip plate/Anti Slip Sticker
- Safety Handrail and pedal
- Overheat alarm mode
- Retaining Valve of Dozer Blade
- Battery Switch
- Rear Window Emergency Exit
- Isolation plate between Engine and Oil Pump Compartment
- Alarm Horn
- Cab Door Lock and Lock of compartment

**Attachments Specifications:****A. Hydraulic Breaker**

- Suitable or Compatible for Excavator: 12-18 T
- Required Flow: 80-110 L/min
- Weight: 750-800 kg
- Chisel Weigh: 50-60 kg

**B. Pulverizer**

- Suitable or Compatible for Excavator: 12-18 T
- External Dimension: 1870 mm/1080 mm/460 mm
- Max Opening: 615-630 mm
- Blade Length: 150-160 mm
- Flow: 120-180 L/min
- Pressure: 220-280 kg<sup>2</sup>/cm



- Weight: 1000-1010 kg
- Head Crushing Force: 30 - 40 T
- Middle Crushing Force: 70 -80 T
- Number of Cutting Times: 10-13 N/min

**C. Quick Coupler**

- Suitable or Compatible for Excavator: 12-18 T