



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

SCAN HERE



PPMP-2025-1013-303129

PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. 01

☐ INDICATIVE ☒ FINAL

Fiscal Year: **2026**

End-user or Implementing Unit: **Department of Civil Engineering**

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)		
Laboratory Supplies											
Graduated Cylinder 1000mL	Goods	9 pc * 17	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	9,666.00	• Technical Specification • Market Scoping Checklist	
Sub-Total									9,666.00		
Laboratory Equipment											
Alcohol Thermometer (-10 to 200 deg Cel)	Goods	6 pc * 3	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	1,320.00	• Technical Specification • Market Scoping Checklist	

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Analytical Digital Balance with Under Hook Scale	Goods	1 pc * 4	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	14,700.00	• Technical Specification • Market Scoping Checklist	
Chace Concrete Air Indicator Kit	Goods	3 pc * 7	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	9,900.00	• Technical Specification • Market Scoping Checklist	
Chlorine Meter	Goods	1 pc * 8	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	14,000.00	• Technical Specification • Market Scoping Checklist	
Density Aggregate Basket	Goods	3 pc * 12	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	6,750.00	• Technical Specification • Market Scoping Checklist	
Dial weighing scale 10 kg	Goods	2 pc * 13	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	4,600.00	• Technical Specification • Market Scoping Checklist	
Handheld Dissolve Oxygen Meter	Goods	1 pc * 18	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	18,000.00	• Technical Specification • Market Scoping Checklist	

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Handheld Measuring Device for conductivity, tds, temperature, and salinity	Goods	1 pc * 19	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	8,000.00	• Technical Specification • Market Scoping Checklist	
Handheld PH Meter	Goods	1 pc * 20	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	8,000.00	• Technical Specification • Market Scoping Checklist	
Heavy Duty Cement Trowel	Goods	4 pc * 21	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	960.00	• Technical Specification • Market Scoping Checklist	
Heavy Duty Gardening Trowel	Goods	4 pc * 22	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	960.00	• Technical Specification • Market Scoping Checklist	
Sand Absorption (Abraham Cone) Set	Goods	5 pc * 25	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	8,500.00	• Technical Specification • Market Scoping Checklist	
Soil Dispersion Mixer for Soil Analysis	Goods	1 set * 26	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	43,000.00	• Technical Specification • Market Scoping Checklist	

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Steel Brush	Goods	5 pc * 27	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	1,425.00	• Technical Specification • Market Scoping Checklist	
Steel Concrete Beam Molds	Goods	6 pc * 28	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	18,000.00	• Technical Specification • Market Scoping Checklist	
Steel Retainer Set for Concrete Cylinder Compression Testing	Goods	1 pc * 29	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	10,700.00	• Technical Specification • Market Scoping Checklist	
Turbidimeter	Goods	1 pc * 31	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	8,000.00	• Technical Specification • Market Scoping Checklist	
Unbonded Neoprene Pad for Concrete Cylinder Compression Testing	Goods	3 pc * 33	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	4,500.00	• Technical Specification • Market Scoping Checklist	
Vicat Apparatus for Setting time/Consistency of cement	Goods	2 pc * 35	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	6,000.00	• Technical Specification • Market Scoping Checklist	

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White Hard Hats	Goods	40 pc * 36	Competitive Bidding	No	01/2026	05/2026	08/2026	STF-MOOE	13,800.00	• Technical Specification • Market Scoping Checklist	
Sub-Total									201,115.00		
Hardware											
Plywood, Marine, 1/4"(thickness) x 4' x 8'	Goods	10 piece * 23	Competitive Bidding	No	01/2026	05/2026	06/2026	STF-MOOE	6,000.00	• Technical Specification	
Sub-Total									6,000.00		
IT Supplies and Equipment											
100 mL Printer Head Cleaning Solution w Syringe (3 units)	Goods	3 pc * 1	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	300.00	• Technical Specification • Market Scoping Checklist	
8-Port Gigabit PoE+ Compliant Managed Network Switch	Goods	1 pc * 2	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	10,500.00	• Technical Specification • Market Scoping Checklist	
Automatic Voltage Regulator (AVR) 1000W	Goods	6 unit * 5	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	21,000.00	• Technical Specification	
Case Fan for Desktop Computer (16 units)	Goods	16 pc * 6	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	4,000.00	• Technical Specification • Market Scoping Checklist	

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Computer Keyboard USB	Goods	12 pcs * 9	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	4,200.00	• Technical Specification	
Computer Mouse, Wired	Goods	10 pieces * 10	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	2,100.00	• Technical Specification	
Computer Unit for Engineering Simulations	Goods	2 sets * 11	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	66,080.00	• Technical Specification • Market Scoping Checklist	
Power Supply Unit for Desktop Computer	Goods	6 pc * 24	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	12,000.00	• Technical Specification • Market Scoping Checklist	
Thermal paste for CPU (5 units)	Goods	5 pc * 30	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	1,250.00	• Technical Specification • Market Scoping Checklist	
Ubiquiti Access Point WiFi 6 Pro Indoor, dual-band WiFi 6 Support Over 300 clients (U6-Pro)	Goods	1 pc * 32	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	12,700.00	• Technical Specification	
UPS, 1000 VA	Goods	8 unit * 34	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	56,000.00	• Technical Specification	
Sub-Total									190,130.00		
Non-Common-Use Supplies and Equipment (Non-CSE)											

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Garbage Bags / Trash Bags, Black, L	Goods	10 packs * 14	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	600.00	• Technical Specification	
Garbage Bags / Trash Bags, Black, M	Goods	10 packs * 15	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	600.00	• Technical Specification	
Garbage Bags / Trash Bags, Green, L, 100 pcs	Goods	1 packs * 16	Small Value Procurement	No	01/2026	01/2026	03/2026	STF-MOOE	575.00	• Technical Specification	
Sub-Total									1,775.00		
TOTAL BUDGET:									408,686.00		

* Please see attached specification

Prepared by: Lyka S. Bagarinao
LYKA S. BAGARINAO
 Job Order
 DCE
 Date: 10-13-25

Submitted by: John Christian L. Gaviola
JOHN CHRISTIAN L. GAVIOLA
 Assistant Professor II
 DCE
 Date: 10-12-25



Date Generated: 10/13/2025

July 11
for AUCIA M. Flores DCE Lab

Republic of the Philippines
VISAYAS STATE UNIVERSITY

SPECIFICATION

1. 100 mL Printer Head Cleaning Solution w Syringe (3 units)

- Effective on any inkjet printer such as Canon, HP, Brother, Epson Printers,
- Effective on any kind of ink such as Dye Ink, Pigment Ink, Sublimation Ink, Eco Solvent
- syringe size: 10ml

2. 8-Port Gigabit PoE+ Compliant Managed Network Switch

- Mechanical:
- Dimensions 99.6 x 163.7 x 31.7 mm (4 x 6.4 x 1.3")
- Weight 295 g (10.4 oz)
- Enclosure material Plastic
- Hardware:
- Management interface Ethernet In-Band
- Networking interface (8) GbE RJ45 ports
- PoE interface (4) PoE/PoE+ (Pins 1, 2+; 3, 6-)
- Total non-blocking throughput 8 Gbps
- Power method 54V DC, 1.1A power adapter
- Power supply 54V, external, 60W
- Supported voltage range 50—57V DC
- Max. power consumption 8W (Excluding PoE output)
- Total available PoE 52W*
- *With an external 60W power adapter.
- Max. PoE wattage per port by PSE PoE+: 30W
- Button Factory reset
- Operating temperature -15 to 40° C (5 to 104° F)
- Operating humidity 10 to 90% noncondensing
- Certifications CE, FCC, IC
- **Must be compatible with the existing VSU Unifi Network controller**

3. Alcohol Thermometer (-10 to 200 deg Cel)

Material: Annealed transparent glass

Length: minimum of 300 mm

Temperature range: -10 to 200 degree Celsius

Accuracy: +/- 1 degCel

Calibration: Factory Calibrated (Traceable to NIST or equivalent standard)

4. Analytical Digital Balance with Under Hook Scale

With underhook

Capacity: 5000 g

Accuracy: 0.1 g

Voltage: 220 V

Function: Density Measurement

Warranty: 1 year

Standard: Conforms to ASTM C127

5. Automatic Voltage Regulator (AVR) 1000W

- Rated Capacity: 1000 Watts
- Input Voltage: 220V AC, 60Hz
- Output Voltage: 220V AC $\pm 10\%$
- Protections: Heavy-duty over-voltage, under-voltage, surge, short-circuit, thermal overload
- Outlets: 3-4 universal sockets
- LED/Indicator light
- Metal casing with ventilation
- Suitable for multiple desktops/high-power equipment
- Warranty: 1-year parts & service
- Green Procurement: recyclable steel housing, energy-efficient design

6. Case Fan for Desktop Computer (16 units)

- Fan Size: 12cm
- Connection: 4-Pin Molex Connector

- Interface: 4pin Molex
- Max. Air Flow: 26.03CFM(+/-10%)
- Noise: 25dB (A)
- Bearing Type: Oil Bearing
- Rate Voltage: 12VDC,0.1A
- Fan Speed: 2200RPM(+/-10%)
- Cable Length:30cm
- Weight:53G

7. Chace Concrete Air Indicator Kit

Chace Air Indicator Kit: Glass Vial & Rubber, Stopper/Cup, Cleaning Brush, Alcohol Squeeze Bottle, Plastic Carrying Case, Chace Air Indicator Glass Vial

Glass Vial & Rubber Stopper/Cup: 7 x 1.125in

Cleaning Brush: 6.25 in

Squeeze Bottle: 4oz

Carrying Case: 9.5 x 5 x 3.5 in

8. Chlorine Meter

ppm 0.01 to 10.00ppm (10 to 50ppm using dilution method)

Temperature 23° to 194°F (-5 to 90°C)

Resolution 0.01ppm ; 0.1°F/°C

Accuracy ±10% of reading ±0.01ppm; ±1.8°F/±1°C

Power four 3V CR-2032 button batteries

Dimensions/Weight 1.4 x 6.8 x 1.6" (35.6 x 172.7 x 40.6mm)/ 3.85oz (110g)

9. Computer Keyboard USB

- **Type:** Standard Keyboard with 104 Keys
- **Connection:** USB
- **Key Caps:** Low profile
- **Key Noise:** Minimum

- **Key Layout:** Laser printed
- **Design:** Spill resistant

10. Computer Mouse, Wired

- **Connectivity:** USB Port
- **Sensor:** Optical
- **DPI:** 1600
- **Work Method:** Wired
- **Buttons:** Left button, middle button, right button
- **Scroll Wheel:** Two-way
- **Design Highlights:**
 - Easy installation
 - 1600 DPI high-definition tracking engine
 - Anti-slip scroll wheel
 - Full-size, ambidextrous design

11. Computer Unit for Engineering Simulations

General Specifications

- Completely built and ready to use.
- BIOS and drivers completely installed
- OS installed

Specifications by Part

CPU

- Number of cores: 6
- Number of threads: 12
- TDP: 65W
- Base frequency: 3.9 GHz
- Socket: compatible with AM4
- Memory support: DDR4
- CPU Fan: bundled cooler

- PCI-Express support: Gen 3, 16 lanes
- with integrated graphics

RAM

- Generation: at least DDR4
- Speed: at least 3200 MT/s
- Capacity: at least 16 GB (kit of 2)
- Overclocking support: compatible with XMP

GPU

- Cores: 384
- Memory size: 2GB
- Memory type: GDDR5
- Memory Interface: 64 bit
- Bus Standard: at least PCIe 2.0

Motherboard

- Compatible with CPU and GPU
- Memory support: 2x DDR4 (max 64 GB)
- PCI-Express support: at least Gen 3
- Expansion slots: at least 1x PCI-E x16, 1xPCI-E x1
- Storage support: at least 1x M.2 and 4x SATA

Power supply

- Rated power: at least 500W
- Certification: 80 Plus Bronze

Storage

- Capacity: at least 500 GB
-

- Form factor: NVMe M.2:
- Interface: PCIe Gen 3.0
- Sequential Read speed: up to 3,500 MB/s
- Sequential Write speed: up to 3,000 MB/s

Case

- Compatible with motherboard, GPU and PSU
- Fans included: at least 2 front (120 mm) and 1 rear (120 mm)

12. Density Aggregate Basket

Material: Stainless Steel

Diameter: 200 mm

Height: 200 mm

Mesh Size: 4.75 mm

Standard: Conforms to ASTM C 127

13. Dial weighing scale 10 kg

Capacity: 10 KG

14. Garbage Bags / Trash Bags, Black, L

- size: L (at least 635 mm x 787 mm)
- 10 pcs/pack
- with built-in tie
- biodegradable

15. Garbage Bags / Trash Bags, Black, M

- 20 pcs/pack
- with built-in tie
- biodegradable

16. Garbage Bags / Trash Bags, Green, L, 100 pcs

- 100 pcs/pack
- size: L (at least 26 x 32 inches)
- good quality

17. Graduated Cylinder 1000mL

1000ml graduated measuring cylinder made of high quality, heavy duty Borosilicate 3.3 glass. Spout for easy pouring, and round base for extra stability. Class A tolerance, $\pm 5.00\text{ml}$ as per DIN EN ISO 4788 standard. Blue printed graduations and specifications. 10ml subdivisions. Cylinder stands 17.75" tall, with a base measuring 4.5" wide. Inner diameter of cylinder body measures 63mm (2.5"), and outer diameter measures 73mm (2.9").

Autoclavable, with superior chemical durability. Low temperature gradient- can withstand high temperatures & thermal shocks. Eisco Labs Borosilicate glass has the following heat tolerances: Strain Point -515°C | Annealing Point 565°C | Softening Point 820°C . Calibrated to contain.

18. Handheld Dissolve Oxygen Meter

Dissolved Oxygen Range 0 to 20.00 mg/l or ppm

Resolution & Accuracy 0.01 mg/l or 0.01 ppm & $\pm 1.5\%$ Full Scale

% Saturation of Oxygen 0.0 to 200/0 %

Resolution & Accuracy 0.1% & $\pm 1.5\%$ Full Scale

Temperature Range 0.0 to 50.0 $^{\circ}\text{C}$ (32 to 122 $^{\circ}\text{F}$)

Resolution & Accuracy 0.1 $^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$) & $\pm 0.3^{\circ}\text{C}$ (0.5 $^{\circ}\text{F}$)

Salinity Correction 0.0 to 50.0 ppt

Barometric Pressure Correction 500 to 1499 mmHg or 66.6 to 199.9 kPa

Method Automatic correction after manual input

No. of Calibration Points Up to 2 points; 100% in air and/or 0% in known solution

Special Functions Self-diagnostic; Electrode characteristics; Hold & Auto-Power Off after 20 minutes

Power Requirements 4 x 1.4V batteries; > 700 hrs

19. Handheld Measuring Device for conductivity, tds, temperature, and salinity

Conductivity: multiple ranges (0 to 199.9 μ S/cm; 200 to 1999 μ S/cm; 2.00 to 19.99 mS/cm)

TDS: 0 to 99.9 ppm; 100 to 999 ppm; 1.00 to 9.99 ppt (adjustable ratio 0.4 to 1.0)

Salinity: 0 to 99.9 ppm; 100 to 999 ppm; 1.00 to 9.99 ppt (fixed ratio)

Temperature: -5.0 °C to 90.0 °C, resolution 0.1 °C; accuracy ± 1 °C (in -5 to 50 °C range)

Conductivity accuracy: ± 2 % full scale

TDS & Salinity accuracy: ± 2 % full scale

Memory: stores up to 25 tagged readings

Auto power off after 10 min (override possible)

Waterproof / splashproof (the model is built for field use)

Batteries: uses 4 $\times$ CR2032 lithium coins

20. Handheld PH Meter

Display: Multifunction LCD with Bargraph

Operating conditions: 32 to 122°F (0 to 50°C) / < 80% RH

Range and Accuracy: 0.00 to 14.00 / ± 0.01 pH typical

Temp. Compensation: Automatic from 32 to 194°F (0 to 90°C)

Temperature Range: 23 to 194°F (-5 to 90°C)

Temperature Resolution: 0.1 to up to 99.9 then 1 to thereafter

Temperature Accuracy: ± 1 °C/1.8°F [from -5 to 50°C (23 to 122°F)] ± 3 °C/5.4°F [from 50 to 90°C (122 to 194°F)]

Measurement storage: 15 tagged (numbered) readings

Power: Four (4) CR2032 button batteries

Low battery indication: 'BAT' appears on the LCD

Auto power off: After 10 minutes of inactivity

Dimensions: 1.4x6.8x1.6"(35.6x172.7x40.6mm); 3.85oz (110g)

21. Heavy Duty Cement Trowel

Size: 8 inches

Stainless steel blade

Non-slip Rubber Handle

22. Heavy Duty Gardening Trowel

Drop forged special tool steel

Black powder coated

Total length: 330mm

Thickness: 1.5mm

Two-component plastic handle

23. Plywood, Marine, 1/4"(thickness) x 4' x 8'

Standard, Good Quality

24. Power Supply Unit for Desktop Computer

- Rated power: at least 500W

- Certification: 80 Plus Bronze

Main Board 24 Pin: 1

CPU Power 4+4 Pin: 1

VGA Power 6 & 6+2 Pin: 1

Sata HDD Socket: 3

Molex 4 Pin: 2

25. Sand Absorption (Abraham Cone) Set

Inclusion: Sand Absorption Cone and Tamper

Standard: Conforms to ASTM C128

Material: Metal

Tamping Rod Weight: 340g + 15 g

Circular tamper dia: 25 mm

Sand Cone inside top dia: 40mm

Sand Cone inside bottom dia: 90mm

Sand Conde Height: 75mm

26. Soil Dispersion Mixer for Soil Analysis

Included Items

- Soil Dispersion Mixer
- Baffled Dispersion Cup

Meets Standard(s)

- [AASHTO T 88](#)
- [ASTM D7928](#)
- [ASTM D422](#)

Capacity: At least 29oz (0.85L)

Revolutions per Minute: >10,000rpm

Motor Capacity: 1/3hp

Electrical: 230V/50-60Hz, 1.3 Amps

Warranty: At least 2 years

27. Steel Brush

Material: Stainless Steel wire brush

Handle: Plastic/PVC/Ergonomic

Width: 35 mm

Length: 265

Brush bristles Height: 24 mm

28. Steel Concrete Beam Molds

Size: 6 in x 6 in x 21 in

Material: Steel

29. Steel Retainer Set for Concrete Cylinder Compression Testing

Inclusion: Two steel retainers per set (top and bottom)

Material: High-strength alloy steel

Finish: Corrosion-resistant plating (inside and out)

Size: 6 inches

Weigh (set): 5 kg

Standard: Conforms to ASTM

30. Thermal paste for CPU (5 units)

- Volume / Net Weight: 3.0g
- Thermal Conductivity : 1.46 W/m-K
- Long Term Operating Temperature : -50 to 300 C
- High quality thermal paste to provide excellent heat transfer from CPU/GPU to cooler.
- Thermal Paste: AD66
- Color: Silver gray
- Viscosity: 76 CPS
- Thermal Conductivity > 1.46W/m-K
- Thermal Impedance < 0.159 degree C - in²/W
- Dielectric Constant A > 6
- Operation Temperature: -50 to 300 degree C
- Weight: 0.11 oz.

31. Turbidimeter

Meter Type Portable

Display type LCD

Min Turbidity 0.01

Max Turbidity 1000

Turbidity Resolution 0.01, 0.1, or 1 NTU

Turbidity Accuracy $\pm 2\%$ of reading

Min Temperature (° C) 0

Max Temperature (° C) 50

Min Temperature (° F) 32

Max Temperature (° F) 122

Waterproof Yes

Battery 4 x AAA batteries (included)

Width (cm) 6.985

Height (cm) 5.08

Width (in) 2 3/4

Height (in)2

DescriptionT-100 Turbidity Meter, handheld, waterproof, with standards

32. Ubiquiti Access Point WiFi 6 Pro Indoor, dual-band WiFi 6 Support Over 300 clients (U6-Pro)

- Dual-band WiFi 6 (802.11ax)
- 5 GHz (4x4 MU-MIMO and OFDMA) band with a 4.8 Gbps throughput rate
- 2.4 GHz (2x2 MU-MIMO and OFDMA) band with a 573.5 Mbps throughput rate
- Operates at full 4x4 MIMO with 160 MHz bandwidth
- 300+ concurrent client capacity
- Guest Traffic Isolation, which enhances wireless network security and lowers traffic congestion
- Included universal mounting plate, backing plate, and screw kit
- **Should be compatible with the existing Unifi Controller**

33. Unbonded Neoprene Pad for Concrete Cylinder Compression Testing

Inclusion: Two neoprene pads per set

Material: High-grade neoprene rubber (elastomeric)

Finish color: Black

Pad Size (dia): 6 inches

Strength Range: 50 Shore A

Standard: Conforms to ASTM

34. UPS, 1000 VA

- Topology: Line-Interactive with AVR
- Capacity: 1000 VA (?600 W)
- Battery: VRLA, replaceable
- Runtime: 15–30 min at 300 W load
- Features: Surge & overload protection, auto-restart, LCD display, multiple outlets
- Ports: USB/RS-232 for monitoring
- Green Note: Battery recycling/disposal plan
- Warranty: 1 year (unit), 6–12 months (battery)

35. Vicat Apparatus for Setting time/Consistency of cement

Vicat Apparatus, Conical Ring, Needles, and Glass plate

Weight of sliding rod: 300g

Needle size: $1 \pm 0.05\text{mm}$

Plunger Size: $10 \pm 0.05\text{ mm}$

Conical Ring Top inside dia: $60 \pm 3\text{mm}$

Conical Ring Bottom inside dia: $70 \pm 3\text{mm}$

36. White Hard Hats

Material: Acrylonitrile Butadiene Styrene

Color: White

Suspension: Pin-lock, 6-point nylon suspension

Standard: Complied with CE EN397