

Annual Procurement Plan for 2018
APP-2018-NCSE-007 (SUPPLEMENTAL)

| Code | Procurement | | PMO/ End- User | Mode of Procurement | Schedule for Each Procurement Activity | | | | Source of Fund | Estimated Budget (Php) | | | Remarks (Brief Description of Program/Activity/ Project) |
|---|--------------------------|---|-------------------|---------------------------------|--|--------------------------------|-----------------|---------------------|-------------------|------------------------|-----------|------|---|
| | Program/Activity/Project | | | | Advertisement/ Posting of IB/REI | Submission/ Opening of Bids | Notice of Award | Contract Signing | | Total | MOOE | CO | |
| OFFICE OF THE DIRECTOR | | | | | | | | | | | | | |
| ALTERNATIVE METHODS OF PROCUREMENT | | | | | | | | | | | | | |
| A. PhP50,000.00 AND BELOW | | | | | | | | | | | | | |
| 50203990 00 Other Supplies and Materials Expenses | 1 | Supplies and Materials (including tokens, office supplies, etc.) | OD- Monton | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 20,000.00 | 20,000.00 | 0.00 | REAP |
| 50203990 00 Other Supplies and Materials Expenses | 2 | Supplies and Materials (including tokens, office supplies, etc.) | OD- Monton | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | | | | GOP | 20,000.00 | 20,000.00 | 0.00 | REAP |
| 50202010 02 Training Expenses | 3 | Meals Good for 100 pax - To be provided/ served tentatively on 06 June 2018 - PM Snacks (heavy): 2 choices of sweet pastries with pasta/ local delicacies, drinks, unlimited coffee/ tea - Menu shall be approved by end-user - must have 10% buffer on meal requirement - blue and white linen table cover to be provided by the caterer (table shall be provided by the DOST-ASTI) - chairs with linen cover to be provided by the caterer - setup time is 11AM on the activity day - payment shall be on send bill arrangement only | OD- Monton | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | | | | GOP | 10,000.00 | 10,000.00 | 0.00 | REAP |
| RESEARCH AND DEVELOPMENT DIVISION | | | | | | | | | | | | | |
| ALTERNATIVE METHODS OF PROCUREMENT | | | | | | | | | | | | | |
| A. ABOVE PhP50,000.00 | | | | | | | | | | | | | |
| 50203990 00 Other Supplies and Materials Expenses | 1 | Contact Image Sensor Module | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 58,000.00 | 58,000.00 | 0.00 | |
| B. PhP50,000.00 AND BELOW | | | | | | | | | | | | | |
| 50203010 02 Office Supplies Expenses | 1 | AA Rechargeable Batteries - Genuine - size: AA - Capacity: At least 2,000 mAh - At least 8pcs per pack - Includes 1 case - Rechargeable up to 2,100 times - Retains 70 % capacity after 5 years in storage - Conforms to the Green Certificate System - Shipped fully charged and ready to use - Superior performance at 0 °C and works in temperatures as low as -20 °C+1 - Recharge any time at any stage of depletion (no memory effect) | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 4,500.00 | 4,500.00 | 0.00 | |
| 50203010 02 Office Supplies Expenses | 2 | AAA Rechargeable Batteries - Genuine - size: AAA - Capacity: At least 800 mAh - At least 4pcs per pack - Rechargeable up to 2,100 times - Retains 70 % capacity after 5 years in storage - Conforms to the Green Certificate System - Shipped fully charged and ready to use - Superior performance at 0 °C and works in temperatures as low as -20 °C+1 - Recharge any time at any stage of depletion (no memory effect) | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 2,400.00 | 2,400.00 | 0.00 | |
| 50203990 00 Other Supplies and Materials Expenses | 3 | Aluminum Plate | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 3,000.00 | 3,000.00 | 0.00 | |
| 50203210 03 Semi-Expendable ICT Equipment | 4 | Portable Duplex Scanner | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 29,000.00 | 29,000.00 | 0.00 | |
| 50203990 00 Other Supplies and Materials Expenses | 5 | Prototyping Bearings | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | | | | GOP | 2,000.00 | 2,000.00 | 0.00 | |

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|--|----|--|--------------|---------------------------------|---------------------|-----|-----------|-----------|------|-----|
| 50203990 00 Other Supplies and Materials Expenses | 6 | O-rings <ul style="list-style-type: none"> - Flight Controller Protection Rubber Band - Color: white - Quantity: 20 pcs per pack - Inside diameter: 1.9mm - Outside diameter: 6mm - Thickness: 2mm/pcs - Suitable for the FC using the M3 screw | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 1,000.00 | 1,000.00 | 0.00 | |
| 50203210 02 Semi-Expendable - Office Equipment | 7 | 22" LED Monitor <ul style="list-style-type: none"> - Screen Size (Inch): 21.5 - Screen Size (Class): 22 - Flat / Curved: Flat - Active Display Size (HxV) (mm): 476.64(H) x 268.11(V) - Aspect Ratio: 16:9 - Panel Type: TN - Brightness (Typical): 200cd/m2 - Brightness (Min): 150cd/m2 - Peak Luminance Ratio: 98 % - Contrast Ratio Static: 1000:1(Typ.), 700:1(Min) - Dynamic Contrast Ratio: Mega - Resolution: 1920 x 1080 - Response Time: 5 ms - Viewing Angle (H/V): 170°/160° - Color Support: 16.7M - Color Gamut (NTSC 1976): 72% - Refresh Rate: 60 Hz - MagicAngle: Yes - MagicBright: Yes - MagicUpscale: Yes - Eco Saving Plus: Yes - Eye Saver Mode: Yes - Flicker Free: Yes - Game Mode: Yes - Image Size: Yes - Windows Certification: Windows 10 - D-Sub: 1 EA - HDMI: 1 EA - Color: Black high Glossy - Stand Type: Simple - Tilt: -1.0° (±1.0°) ~ +22.0° (±2.0°) - Wall Mount: 75.0 x 75.0 mm - Energy Efficiency Class: 5 - Power Supply: AC 100~240V - Power Consumption (Max): 25 W - Power Consumption (Typ): 20.06 W - Power Consumption (DPMS): Less than 0.3 W - Power Consumption (Off Mode): Less than 0.3 W - Type: External Adaptor - Set Dimension with Stand (WxHxD): 508.6 x 395.4 x 206.5 mm - Set Dimension without Stand (WxHxD): 508.6 x 302.0 x 80.1 mm - Set Weight with Stand: at most 2.8 kg - Set Weight without Stand: at most 2.3 kg - Accessory: HDMI Cable, Quick Setup Guide | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 16,000.00 | 16,000.00 | 0.00 | |
| 50203220 01 Semi-Expendable - Furnitures and Fixtures | 8 | Wooden step stool <ul style="list-style-type: none"> - Hand-hole in the top step makes the step stool easy to move - Fully assembled upon delivery - Step stool - Product dimensions: Width: 45 cm; Depth: 39 cm; Height: 50 cm - Solid Aspen | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 2,000.00 | 2,000.00 | 0.00 | |
| 50203220 01 Semi-Expendable - Furnitures and Fixtures | 9 | Aluminum Step Ladder <ul style="list-style-type: none"> - 3-step - Main Material: High Strength Aluminum - Foldable and lightweight - Load Capacity: 300 lbs - 22" Tall Extended Handrail and Extra Large Platform Area - Height when opened: 0.66 m / 2.16 ft (From Top Platform to Ground) | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 2,500.00 | 2,500.00 | 0.00 | |
| 50203990 00 Other Supplies and Materials Expenses | 10 | Stainless Steel Gloves <ul style="list-style-type: none"> - Made of stainless steel wire, can reduce the harm by sharp material such as pruning shear, dagger, triangular scraper, glass, stone, etc; - Prevent cutting, stand wear and tear, stand acid and alkali, reduce the incised wound; - Soft and washable just like normal brace; - Flexible, one size fits most person; - Elastic long protective sleeve; - Suitable for: gardening work, glass production, machine manufacturing, personal defense, or etc. - Material: Polyethylene Fiber + Stainless Steel Wire - Color: Black - Anti-Cutting Level: Level 5 - Size: Approx. 40 x 16cm/15.75" x 6.30" - Package include: 1 Pair Black Working Safety Gloves | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 4,000.00 | 4,000.00 | 0.00 | UAV |
| 50203990 00 Other Supplies and Materials Expenses | 11 | Fiber Adhesive Tape <ul style="list-style-type: none"> - Size: 2" - Length: 100m | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 3,200.00 | 3,200.00 | 0.00 | UAV |

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|---|----|---|---------------|---------------------------------|---------------------|-----|-----------|-----------|------|-----|
| 50203990 00 Other Supplies and Materials Expenses | 12 | FPV Video Transmitter Module Item Name: 5.8GHz 600mW A/V Powerful Transmitter Channel: Raceband, Fatshark Input voltage range: 6 – 25V (2S-6S) Connector: SMA Female Clean output power: 600mW (+/- 1dB) Features: 1. 37MHz frequency separation allows for flying up to 8 pilots simultaneously 2. Onboard quiet switching regulator, powers 5V cameras 3. Not affected by 2.4GHz R/C radios 4. Frequencies: 5740, 5760, 5780, 5800, 5820, 5840, 5860 MHz (ImmersionRC/FatShark) All standard channels within the US/EU ISM Band 5. Frequencies: 5658, 5695, 5732, 5769, 5806, 5843, 5880, 5917MHz (RaceBand) All Raceband channels legal using a Ham license within the USA 6. Raceband Channels 1-6 legal using a Ham license within the EU Package Included: 1 x ImmersionRC Raceband 5.8GHz 600mW A/V Powerful Transmitter 1 x 2.15dBi 5.8GHz omni-directional antenna (SMA male connector) 1 x Video cable (20cm 5-pin Molex-SL terminated in wire ends) 1 x DC power cable (24cm 2-pin Molex-SL terminated in BEC-style connector) | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 24,000.00 | 24,000.00 | 0.00 | UAV |
| 50203990 00 Other Supplies and Materials Expenses | 13 | FPV Camera Module - FPV action camera for drones and RC aircraft - Lightweight metal casing - Switch between PAL and NTSC - High quality 2.5mm lens - In-built microphone - Includes setting board cables and Mount - Sensor: 1/2.9" CMOS - Resolution: 1200TVL - TV System: PAL/NTSC Switchable - CVBS: 16.09 - Pixel: 1280x960 - Min. Illumination Color: 0.05Lux (F1.2,50IRE, AGC ON); BW: 0.001Lux (F1.2,50IRE, AGC ON) - Shutter Speed (CCD IRIS): PAL: 1/50 ~ 1/100,000s NTSC: 1/60 ~ 1/100,000s - 3D-DNR: 0-100 - SENSE-UP: Support - Image Adjustment: Support - OSD: Edit Name, Power, Flying Time - BLC/HLC: Support - WDR: Support - S/N: >50dB - White Balance: Auto - Day / Night Shift: Auto/ External Control/ Color/ B&W - Private Shading: Support - Language: English/Chinese - Video Out: 1.0Vpp, 75Ω - Input Voltage: 5-40V - Storage Temperature: -40 C ~ 60 C - Working Temperature: -10 C ~ 50 C - Power Consumption: 70mA - Dimensions: 26x26x30mm - Weight: 14.6g | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 21,000.00 | 21,000.00 | 0.00 | UAV |
| 50203990 00 Other Supplies and Materials Expenses | 14 | FPV Goggle Battery - Capacity: 2500mAh - Voltage: 7.4V (2S) - Net Weight (±20g): 102g - Size: 73.7*38.1*18.6 mm - Connector Type: DC3.5mm - Compatible with Fatshark Dominator Goggles | RDD- Libo-on | NP-53.9 Small Value Procurement | 1st Quarter of 2018 | GOP | 10,000.00 | 10,000.00 | 0.00 | UAV |
| COMPUTER SOFTWARE DIVISION | | | | | | | | | | |
| ALTERNATIVE METHODS OF PROCUREMENT | | | | | | | | | | |
| A. ABOVE PhP50,000.00 | | | | | | | | | | |
| 50203220 01 Smei-Expendable - Furniture and Fixtures | 1 | Steel Storage Cabinet 5 layers Colors: Off-White | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 84,000.00 | 84,000.00 | 0.00 | |
| B. PhP50,000.00 AND BELOW | | | | | | | | | | |

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|--|----|--|---------------|---------------------------------|---------------------|-----|-----------|-----------|------|--|
| 50203010 01 ICT Office Supplies | 1 | Wireless Mouse USB connection: available USB port required Connection Type: 2.4GHz wireless connection Wireless range: 10 meters Connect/Power: Yes, on/off switch Battery Details: 1 x AA DPI (Min/Max): 1000± Sensor technology: Advanced Optical Tracking Sensor resolution: 1000 dpi Scroll Wheel: 2D, optical Number of buttons: 3 Standard and Special Buttons: Middle click System Requirements: Windows® 10 or later, Windows 8, Windows RT, Windows 7 Mac OS X 10.5 or later, Chrome OS, Linux Kernel 2.6+2 | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 5,000.00 | 5,000.00 | 0.00 | |
| 50203010 01 ICT Office Supplies | 2 | Wireless Keyboard Connection Type: Bluetooth Classic (3.0) Wireless Range: 10 m (33 ft)* PC: Windows® 7, Windows 8, Windows 10 or later Mac: Mac OS® 10.10 or later Android™ tablet or smartphone: Android 3.2 or later. Connect / Power: On/Off Switch Compact and Lightweight | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 12,500.00 | 12,500.00 | 0.00 | |
| 50203220 01 Smei-Expendable - Furniture and Fixtures | 3 | Mobile Cabinets Mobile Pedestal with 3 Drawers including 1 Central Lock, 1 Pen Tray, 1 File Divider and 5 Castors Material: Steel with Powder Coating Actual Dimensions: 40 (w) x 56.5 (d) x 65.5 (h) cm Color: Gray | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 3,500.00 | 3,500.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 4 | Technical Book Ng-Book: The Complete Book on Angular 5 by Nate Murray, Felipe Coury, Ari Lerner, Carlos Taborda | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 4,000.00 | 4,000.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 5 | Technical Book Stochastic Processes: Theory for Applications | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 7,150.00 | 7,150.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 6 | Technical Book Probability and Random Processes | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 8,433.43 | 8,433.43 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 7 | Technical Book Design and Analysis of Experiments | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 12,155.00 | 12,155.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 8 | Technical Book Introduction to Algorithms | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 7,150.00 | 7,150.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 9 | Technical Book The Algorithm Design Manual | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 5,577.00 | 5,577.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 10 | Technical Book Methods of Multivariate Analysis | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 10,010.00 | 10,010.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 11 | Technical Book Modern Multivariate Statistical Techniques: Regression, Classification, and Manifold Learning | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 6,864.00 | 6,864.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 12 | Technical Book Professional CUDA C Programming | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 4,290.00 | 4,290.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 13 | Technical Book Heterogeneous Computing with OpenCL 2.0 | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 5,362.50 | 5,362.50 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 14 | Technical Book Introduction to Algorithmic Marketing | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 2,717.00 | 2,717.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 15 | Technical Book Two Scoops of Django 1.11: Best Practices for the Django Web Framework | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 3,432.00 | 3,432.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 16 | Technical Book Test-Driven Development with Python: Obey the Testing Goat: Using Django, Selenium, and JavaScript | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 4,290.00 | 4,290.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 17 | Technical Book Fluent Python: Clear, Concise, and Effective Programming | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 4,709.07 | 4,709.07 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 18 | Technical Book Effective Python: 59 Specific Ways to Write Better Python (Effective Software Development Series) | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 2,860.00 | 2,860.00 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 19 | Technical Book Advanced R (Chapman & Hall/CRC The R Series) | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 13,942.50 | 13,942.50 | 0.00 | |
| 50203220 02 Semi-Expendable - Books | 20 | Technical Book R for Everyone: Advanced Analytics and Graphics | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 3,217.50 | 3,217.50 | 0.00 | |

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|--|----|---|---------------|---------------------------------|---------------------|-----|-------------------|-------------------|-------------|--|
| 50203010 01 ICT Office Supplies | 21 | Foldable and Portable Laptop Stand Features Portable, lightweight, eye-level laptop stand that elevates your screen for good ergonomic posture Height-Adjustable Folding Design Lightweight Easy to Use Weight: 5.8 oz (164 g) Size (folded): 1" x 1.5" x 13" Includes: Ripstop Nylon Carrying Sleeve Laptop Compatibility: Laptops with "front edge" less than 0.75" (1.9cm) thick. Weight Limit: The Roost will hold over 50lbs, so there is no laptop too heavy, just try not to mistake your laptop for a lawn chair! Laptop Size: The only requirement is that the "front edge" of the laptop chassis is less than 0.75" (1.9 cm) thick. | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 8,000.00 | 8,000.00 | 0.00 | |
| 50203010 02 Office Supplies Expenses | 22 | Palm Rest - Keyboard Wrist Rest Pad, Ergonomic Computer Wrist Rest Support for Typing Laptop Keyboard Hand Palm Arm Wrist Rest (18.3 inch x 3.2 inch) | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 4,400.00 | 4,400.00 | 0.00 | |
| 50203010 01 ICT Office Supplies | 23 | Headphone Speaker Size: F40mm Frequency range: 20-20,000Hz Speaker impedance: 32 Ohm Speaker sensitivity: 110dB±3dB Plug: 3.5mm Cable Length: Approx. 1.2m | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 2,000.00 | 2,000.00 | 0.00 | |
| 50203010 02 Office Supplies Expenses | 24 | Stapler Standard type Heavy duty One time binding capacity of 2-20 sheets multi-purpose paper (70-80 gsm) | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 600.00 | 600.00 | 0.00 | |
| 50203990 00 Other Supplies and Materials Expenses | 25 | Privacy Filter Anti Peeping Screens Protective Film | CSD- Oleriana | NP-53.9 Small Value Procurement | 2nd Quarter of 2018 | GOP | 24,000.00 | 24,000.00 | 0.00 | |
| TOTAL | | | | | | | 482,760.00 | 482,760.00 | 0.00 | |

Prepared and Consolidated By:


KATHERINE B. RAMOS
Head, Bids and Awards Committee Secretariat

Recommending Approval:


PEDRITO B. MANGAHAS
Chairperson, Bids and Awards Committee - 1

Approved By:


JOEL JOSEPH S. MARCIANO, JR., Ph.D.
Acting Director