



Republic of the Philippines
ILOILO STATE COLLEGE OF FISHERIES - MAIN CAMPUS

Office of the Bids and Awards Committee

Tiwi, Barotac Nuevo, Iloilo

Website: www.iscof.com.ph / Email: iscofpresident2016@gmail.com / iscofmainbac@gmail.com



FY 2023
SUPPLEMENTAL ANNUAL PROCUREMENT PLAN No. 2023-02-04
(IOT-Based Real Time Monitoring System with Cloud Integration:
A Sustainable Approach to Fishpond Management)
Fund 164

SUMMARY

| Item | Procurement Program/Project | MOOE | CO | TOTAL |
|------|--|------------|----|------------|
| 1 | Other Supplies and Materials Expenses | 52,356.00 | | 52,356.00 |
| 2 | Welfare Goods Expenses | 79,504.00 | | 79,504.00 |
| 3 | Semi-Expendable Machineries and Equipment Expenses | 198,340.00 | | 198,340.00 |
| 4 | Semi-Expendable Furniture and Fixture Expenses | 10,000.00 | | 10,000.00 |
| 5 | Telephone Expenses | 14,500.00 | | 14,500.00 |
| 6 | Subscription Expenses | 97,510.00 | | 97,510.00 |
| 7 | Other Maintenance and Operating Expenses | 1,468.51 | | 1,468.51 |



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SUMMARY

| Item | Procurement Program/Project | MOOE | CO | TOTAL |
|--------------------|-----------------------------|-------------------|-------------------|-------------------|
| 8 | Other General Services | 112,000.00 | | 112,000.00 |
| 9 | Infrastructure Outlay | | 100,000.00 | 100,000.00 |
| GRAND TOTAL | | 565,678.51 | 100,000.00 | 665,678.51 |

Prepared by:


 HEIREYNE JOY D APRESTO, MPA
 Head, BAC Secretariat

Certified Correct:


 LILIBETH B. PETRESCU, MBA
 BAC Chairman



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FY 2023
SUPPLEMENTAL ANNUAL PROCUREMENT PLAN No. 2023-02-04
(IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION:
A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT)
FUND 164

| Code (PAP) | Procurement Project | PMO/End-User | Is this an Early Procurement Activity? (Yes/No) | Mode of Procurement | Schedule for Each Procurement Activity | | | | Source of Funds | Estimated Budget (PhP) | | | Remarks (brief description of Project) |
|---|---|--------------|---|-----------------------------------|--|----------------------------|-----------------|------------------|-----------------|------------------------|------------|----|---|
| | | | | | Advertisement/Posting of IB/REI | Submission/Opening of Bids | Notice of Award | Contract Signing | | Total | MOOE | CO | |
| OTHER SUPPLIES ANSD MATERIALS EXPENSES | | | | | | | | | | | | | |
| 5-02-03-990-00 | Procurement of other supplies and materials | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 52,356.00 | 52,356.00 | | Procurement of various ICT office supplies |
| WELFARE GOODS EXPENSES | | | | | | | | | | | | | |
| 5-02-03-070-00 | Procurement of Medical and Laboratory Supplies | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 47,660.00 | 47,660.00 | | Procurement of various medical and laboratory supplies |
| 5-02-03-100-00 | Procurement of Agricultural Supplies | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 31,844.00 | 31,844.00 | | Procurement of various agricultural supplies |
| SEMI-EXPENDABLE MACHINERIES AND EQUIPMENT EXPENSES | | | | | | | | | | | | | |
| 5-02-03-210-03 | Procurement of Semi-Expendable ICT Equipment | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 111,340.00 | 111,340.00 | | Procurement of various semi-expendable ICT equipment |
| 5-02-03-210-13 | Procurement of Semi-Expendable Technical and Scientific Equipment | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 28,000.00 | 28,000.00 | | Procurement of various semi-expendable technical and scientific equipment |
| 5-02-03-210-99 | Procurement of Semi-Expendable Other Machinery and Equipment | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 59,000.00 | 59,000.00 | | Procurement of various semi-expendable other machineries and equipment |



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A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT)
FUND 164

| Code (PAP) | Procurement Project | PMO/End-User | Is this an Early Procurement Activity? (Yes/No) | Mode of Procurement | Schedule for Each Procurement Activity | | | | Source of Funds | Estimated Budget (PhP) | | | Remarks (brief description of Project) |
|---|--|--------------|---|-----------------------------------|--|----------------------------|-----------------|------------------|-----------------|------------------------|------------|----|--|
| | | | | | Advertisement/Posting of IB/REI | Submission/Opening of Bids | Notice of Award | Contract Signing | | Total | MOOE | CO | |
| SEMI-EXPENDABLE FURNITURE AND FIXTURE EXPENSES | | | | | | | | | | | | | |
| 5-02-03-220-01 | Procurement of Semi-Expendable Furniture and Fixture | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 10,000.00 | 10,000.00 | | Procurement of various semi-expendable furniture and fixture |
| TELEPHONE EXPENSES | | | | | | | | | | | | | |
| 5-02-05-020-01 | Mobile | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 14,500.00 | 14,500.00 | | Mobile load expenses for research assistants |
| SUBSCRIPTION EXPENSES | | | | | | | | | | | | | |
| 5-02-99-070-00 | Subscription Expenses | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 97,510.00 | 97,510.00 | | Subscription Expenses |
| OTHER MAINTENANCE AND OPERATING EXPENSES | | | | | | | | | | | | | |
| 5-02-99-030-00 | Representation Expenses | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 1,468.51 | 1,468.51 | | Representation Expenses |
| OTHER GENERAL SERVICES | | | | | | | | | | | | | |
| 5-02-12-990-00 | Other General Services | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 112,000.00 | 112,000.00 | | Other General Services |



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(IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION:
A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT)
FUND 164

| Code (PAP) | Procurement Project | PMO/ End-User | Is this an Early Procurement Activity? (Yes/No) | Mode of Procurement | Schedule for Each Procurement Activity | | | | Source of Funds | Estimated Budget (PhP) | | | Remarks (brief description of Project) |
|------------------------------|---|---------------|---|-----------------------------------|--|----------------------------|-----------------|------------------|-----------------|------------------------|-------------------|-------------------|--|
| | | | | | Advertisement/Posting of IB/REI | Submission/Opening of Bids | Notice of Award | Contract Signing | | Total | MOOE | CO | |
| INFRASTRUCTURE OUTLAY | | | | | | | | | | | | | |
| 5-05-01-050-14 | Purchase of Power Supply System Equipment | RDS | NO | NP-53.9 - Small Value Procurement | February 2023 | February 2023 | February 2023 | February 2023 | Fund 164 | 100,000.00 | | 100,000.00 | Purchase of Solar PV system |
| GRAND TOTAL | | | | | | | | | | 665,678.51 | 565,678.51 | 100,000.00 | |


Prepared by:


 HEIREYHE JOY D. APRESTO, MPA
 Head, BAC Secretariat

Concurred By:


 LILIBETH B. PETRESCU, MBM
 BAC Chairman

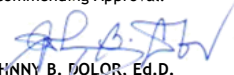

 SOL B. DENAMARCA, MILE
 BAC Vice Chairman


 ROLINDO S. DELAÑO-JR, MFT
 Member

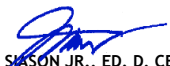

 HANNAH B. DADIVAS
 Member


 PATRICK LANCE L. NACION
 Member

Recommending Approval:


 JOHNNY B. DOLOR, Ed.D.
 Vice President for Administrative Affairs

Approved By:


 NORDY D. SISON JR., ED. D, CESO VI
 SUC President II

Date Prepared:
 January 25, 2023



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SUPPLEMENTAL PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. 2023-02-04
IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services

Charged to **Fund 164**

Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|--|--|-------------------|-------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| MAINTENANCE AND OTHER OPERATING EXPENSES (MOOE) | | | | | | | | | | | | | | | | | |
| OTHER SUPPLIES AND MATERIALS | | | | | | | | | | | | | | | | | |
| <i>Electrical Supplies</i> | | | | | | | | | | | | | | | | | |
| | Solid State Relay 60DA | 2 | pc | 9,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Solid State Relay 20DA | 2 | pc | 5,600.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | PVC pipe 1 inch by 10 feet for electrical lines (orange) | 20 | pc | 5,800.00 | NP-53.9 - SVP | | 20 | | | | | | | | | | |
| | PVC pipe 1 inch by 10 feet for water lines (blue) | 20 | pc | 5,400.00 | NP-53.9 - SVP | | 20 | | | | | | | | | | |
| | Junction Box | 2 | pc | 120.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | PVC elbow 1 inch for water lines (blue) | 1 | pc | 60.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Solvent cement 400cc/ pvc pipe cement | 2 | can | 400.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | 16 Red/Black Speaker Wire | 30 | meter | 900.00 | NP-53.9 - SVP | | 30 | | | | | | | | | | |
| | 20cm M-M Dupont Jumper Wire | 6 | set | 960.00 | NP-53.9 - SVP | | 6 | | | | | | | | | | |
| | 20cm M-F Dupont Jumper Wire | 4 | set | 640.00 | NP-53.9 - SVP | | 4 | | | | | | | | | | |
| | 20cm F-F Dupont Jumper Wire | 4 | set | 640.00 | NP-53.9 - SVP | | 4 | | | | | | | | | | |



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SUPPLEMENTAL PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. 2023-02-04
IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services
Charged to **Fund 164**
Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|------|---|-------------------|-------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | Silicon Sealant 300 ML | 2 | pc | 500.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Silicon Gun | 1 | pc | 120.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Cable Tie 16 inches | 1 | pack | 250.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | #12 thhn stranded wire black | 60 | meter | 4,200.00 | NP-53.9 - SVP | | 60 | | | | | | | | | | |
| | #10 thhn stranded wire black | 60 | meter | 5,700.00 | NP-53.9 - SVP | | 60 | | | | | | | | | | |
| | Circuit Breaker 40A | 1 | pc | 450.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Mini Circuit Breaker 20A | 2 | pc | 756.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Mini Circuit Breaker 15A | 2 | pc | 700.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | 8-way breaker enclosure distribution box | 1 | pc | 600.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Ground Fault Circuit Interrupters outlet (20 Amps) | 2 | pc | 2,200.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Switch Mode power supply 5V/3A | 2 | pc | 800.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Switch Mode power supply 9V/1A | 2 | pc | 800.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Electrical Tape (0.16mm x 19mm x 16mm) | 6 | roll | 240.00 | NP-53.9 - SVP | | 6 | | | | | | | | | | |



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IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services
Charged to Fund 164
Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|------|---|-------------------|------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | IP65 Waterproof CCTV Junction Box Enclosure 300x250x120mm | 2 | box | 2,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | corrugated hose water pump 2 inch | 20 | ft | 2,000.00 | NP-53.9 - SVP | | 20 | | | | | | | | | | |
| | stainless steel hose clamp 2 inch diameter | 6 | pc | 480.00 | NP-53.9 - SVP | | 6 | | | | | | | | | | |
| | Blue coupling reducer 2x1 | 4 | pc | 320.00 | NP-53.9 - SVP | | 4 | | | | | | | | | | |
| | 25x25x7mm DC 5V 2-Pin Heatsink Mini Cooling Fan | 4 | pc | 720.00 | NP-53.9 - SVP | | 4 | | | | | | | | | | |
| | Total Other Supplies and Materials | | | 52,356.00 | | | | | | | | | | | | | |
| | WELFARE GOODS EXPENSES | | | | | | | | | | | | | | | | |
| | Laboratory Supplies Expenses | | | | | | | | | | | | | | | | |
| | Tissue paper | 20 | roll | 300.00 | NP-53.9 - SVP | | 20 | | | | | | | | | | |
| | Sodium Hydroxide (500grams) | 1 | | 500.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | ph meter calibration powder Set PH 4.00, PH 6.86, PH 9.18 | 10 | | 1,500.00 | NP-53.9 - SVP | | 10 | | | | | | | | | | |
| | Distilled Water 7 Liter | 3 | | 360.00 | NP-53.9 - SVP | | 3 | | | | | | | | | | |



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IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT

FUND 164

END- USER/ UNIT: Research and Development Services

Charged to **Fund 164**

Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|------|--|-------------------|--------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | Dissolved Oxygen Sensor Membrane Cap (galvanic) | 30 | | 45,000.00 | NP-53.9 - SVP | | 30 | | | | | | | | | | |
| | Subtotal | | | 47,660.00 | | | | | | | | | | | | | |
| | Agricultural Supplies | | | | | | | | | | | | | | | | |
| | Feeds (trash fish) | 500 | kg | 7,844.00 | NP-53.9 - SVP | | 500 | | | | | | | | | | |
| | Mosquito net (blue) | 1 | bundle | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | V-net #14 | 1 | bundle | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Rope net | 1 | bundle | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | sinker | 10 | kg | 5,000.00 | NP-53.9 - SVP | | 10 | | | | | | | | | | |
| | Flashlight | 2 | pc | 1,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Sampling Crates | 4 | pc | 2,000.00 | NP-53.9 - SVP | | 4 | | | | | | | | | | |
| | WD 40 | 2 | pc | 1,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Subtotal | | | 31,844.00 | | | | | | | | | | | | | |
| | Total Welfare Goods Expenses | | | 79,504.00 | | | | | | | | | | | | | |



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Registration No. 78Q13035

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IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT

FUND 164

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Charged to **Fund 164**

Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|---|--|-------------------|----|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| SEMI-EXPENDABLE MACHINERIES AND EQUIPMENT EXPENSES | | | | | | | | | | | | | | | | | |
| Semi-Expendable ICT Equipment | | | | | | | | | | | | | | | | | |
| | Arduino Uno Microcontroller (Atmega) | 2 | pc | 2,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Sim900a SMS/GPRS module | 2 | pc | 1,200.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | ESP8266 ESP-01s WIFI module | 2 | pc | 700.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Waterproof DS18B20 Digital Temperature Sensor for Arduino | 2 | pc | 840.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Gravity™ Analog pH Kit | 2 | pc | 8,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Analog Turbidity Sensor | 2 | pc | 3,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Waterproof Ultrasonic Distance Measuring Module | 2 | pc | 1,700.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Analog Dissolved Oxygen Sensor (industrial grade) | 2 | pc | 35,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Ammonia Sensor (MQ-137) | 2 | pc | 3,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Atlas Scientific Mini Conductivity K 1.0 Kit (Salinity Sensor) | 2 | pc | 38,400.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |



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IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services
Charged to **Fund 164**
Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|------|---|----------------|------|-------------------|---------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | AC Mesh Access Point (High-performance 802.11ac 2x2 MIMO access point for indoor and outdoor installations) (Two RP-SMA connectors support external antennas) | 1 | unit | 6,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | 8-port Gigabit Network Switch | 1 | | 1,500.00 | | | 1 | | | | | | | | | | |
| | 1500VA Uninterruptible Power Supply | 2 | unit | 10,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Subtotal | | | 111,340.00 | | | | | | | | | | | | | |
| | Semi-Expendable Technical and Scientific Equipment | | | | | | | | | | | | | | | | |
| | Multiparameter kit (digital) | 1 | kit | 28,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Subtotal | | | 28,000.00 | | | | | | | | | | | | | |
| | Semi-Expendable Other Machinery and Equipment | | | | | | | | | | | | | | | | |
| | ring blower (300 watts) | 1 | pc | 20,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | Foot Bridge with housing for control | 2 | unit | 10,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | Electrical Post with galvanize enclosure box (for MCBs) | 1 | pc | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |



REPUBLIC OF THE PHILIPPINES
ILOILO STATE COLLEGE OF FISHERIES
Office of Bids and Awards Committee (BAC)

Tiwi, Barotac Nuevo, Iloilo

Website: www.iscof.com.ph / Email: iscofpresident2016@gmail.com / iscofmainbac@gmail.com



FY 2023

SUPPLEMENTAL PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. 2023-02-04

IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services

Charged to **Fund 164**

Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|--|---|-------------------|------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | 1 HP Industrial Submersible Motor Pump 1 inch | 2 | unit | 15,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | 400 watts submersible pumps (1inc | 2 | unit | 9,000.00 | NP-53.9 - SVP | | 2 | | | | | | | | | | |
| | <i>Subtotal</i> | | | 59,000.00 | | | | | | | | | | | | | |
| SEMI-EXPENDABLE FURNITURE AND FIXTURE | | | | | | | | | | | | | | | | | |
| | office table | 1 | unit | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | long table | 1 | unit | 5,000.00 | NP-53.9 - SVP | | 1 | | | | | | | | | | |
| | <i>Subtotal</i> | | | 10,000.00 | | | | | | | | | | | | | |
| | Total Semi-Expendable Equipment | | | 208,340.00 | | | | | | | | | | | | | |
| | Other General Services | | | 112,000.00 | NP-53.9 - SVP | | | | | | | | | | | | |
| | Representation Expenses | | | 1,468.51 | NP-53.9 - SVP | | | | | | | | | | | | |
| | Mobile | | | 14,500.00 | NP-53.9 - SVP | | | | | | | | | | | | |
| | Subscription Expenses | | | 97,510.00 | NP-53.9 - SVP | | | | | | | | | | | | |
| | TOTAL MOOE | | | 565,678.51 | | | | | | | | | | | | | |



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FY 2023
SUPPLEMENTAL PROJECT PROCUREMENT MANAGEMENT PLAN (PPMP) NO. 2023-02-04
IOT-BASED REAL TIME MONITORING SYSTEM WITH CLOUD INTERGRATION: A SUSTAINABLE APPROACH TO FISHPOND MANAGEMENT
FUND 164

END- USER/ UNIT: Research and Development Services
Charged to **Fund 164**
Projects, Programs and Activities (PAPs)

| CODE | GENERAL DESCRIPTION | Quantity/ Size | ESTIMATED BUDGET | MODE OF PROCUREMENT | Schedule/Milestone of Activities | | | | | | | | | | | |
|------------------------------|-----------------------------|-------------------|---------------------|------------------------|----------------------------------|-----|-------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | | | | Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| CAPITAL OUTLAY | | | | | | | | | | | | | | | | |
| Infrastructure Outlay | | | | | | | | | | | | | | | | |
| Power Supply System | | | | | | | | | | | | | | | | |
| | 5 KW Solar PV System | 1 unit | 100,000.00 | NP-53.9 - SVP | | | 1 | | | | | | | | | |
| | <i>Subtotal</i> | | 100,000.00 | | | | | | | | | | | | | |
| | TOTAL CAPITAL OUTLAY | | 100,000.00 | | | | | | | | | | | | | |


TOTAL BUDGET: 665,678.51

NOTE: Technical Specifications for each Item/ Project being proposed shall be submitted as part of the PPMP

Prepared by:

JESCEL B. BITO-ONON, DFT
Director, Research and Development Services

Approved:


NORDY D. SIASON, JR., Ed.D., CESO VI
SUC President II