

PURCHASE REQUEST

Entity Name: DENR-PENRO Cam. Sur

Fund Cluster:

Office/Section: PAMO-MINP, TSD, DENR-PENRO, Cam. Sur




PR No. 2023-03-028

Date: 3/02/2023

Responsibility Center Code:

Stock/Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
		Conduct of Biodiversity Assessment and Monitoring System (BAMS) of Mt. Isarog Natural Park (MINP)			
Lot 1	pcs	<i>Fabrication, Hauling and Installation of PVC stake outs (Please see attached Bill of quantities)</i>	424		100,000.00
Lot 2	pcs	<i>Fabrication of Tagging materials (Please see attached Bill of quantities)</i>	3,000		60,000.00
					160,000.00

Purpose: For official use in the conduct of BAMS activity.

Signature: Printed Name: <u>ALEJANDRO D. MARANAN</u> Designation: <u>OIC, Technical Services Division</u>	Requested by:  Certified as to availability of funds:  <u>ANGEL MARIE A. RUTAQUIO</u> Budget Officer II	Approved by:  <u>RONNEL B. ASTOR</u> PENR Officer
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₱ 160,000.00



Republic of the Philippines
Department of Environment and Natural Resources
Provincial Environment and Natural Resources Office
Panganiban Drive, Naga City
Tel. No. (054) 811-0530
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TERMS OF REFERENCE

CONDUCT OF THE BIODIVERSITY ASSESSMENT AND MONITORING SYSTEM (BAMS) IN MT. ISAROG NATURAL PARK (MINP)

Lot I: Fabrication, Hauling and Installation of PVC stake outs for the BAMS

Lot II: Fabrication of Tagging materials for the BAMS

A. RATIONALE

Republic Act No. 7586 as amended by Republic Act No. 11038 otherwise known as ENIPAS Act of 2018 dated June 28, 2018 brought about the legitimization of the Protected Area-Mt. Isarog Natural Park (MINP). MINP originated as a National Park through Presidential Proclamation No. 293 signed by then President Manuel L. Quezon with an area of 10,112 hectares of public domain. Then, it was included as one of the sites under NIPAS. Afterwards, it was declared and reclassified as Natural Park through Presidential Proclamation 214 signed by former President Gloria M. Arroyo with a decreased land area of 10,090.89 hectares. The area is surrounded by twenty-three (23) barangays, six (6) municipalities and one (1) city in the province of Camarines Sur. MINP is locally known as "Vulcan de Agua" due to its water abundance that is perpetually giving life to at least eleven (11) major rivers of sixteen (16) water tributaries.

In terms of biodiversity, it is the home of about 3,000 species of flora and 176 species of fauna with two (2) critically endangered species, two (2) endangered species, nine (9) vulnerable species, and 18 restricted-range avian species. In order to assess and update the resources in MINP, the Biodiversity Assessment and Monitoring System (BAMS) which aims to generate data on the physical, flora and fauna present in the PA will be used. Further, it will serve as basis in the establishment of baseline for long-term monitoring and management resources, species abundance and diversity.

One of the activities under BAMS is the inventory and tagging of trees to determine the total count and identify the species of trees within the established monitoring area of MINP. In this regard, this Office deemed necessary to facilitate the procurement process and award of the fabrication and installation of tree tagging materials to service provider in order not to impede the conduct of the above-mentioned activity.

In this regard, this Office deemed necessary to facilitate the procurement process and award of the fabrication and installation of stakes and the fabrication of tagging materials to service provider in order not to impede the conduct of the above-mentioned activity. Moreover, this activity will also provide information needed in understanding the presence of important species that requires protection and conservation attention.

B. TECHNICAL SPECIFICATIONS

Lot I. Please see Annex A.

Lot II. Please see Annex B.

C. BUDGET FOR THE CONTRACT

The allocated budget for the conduct of Biodiversity Assessment and Monitoring System (BAMS) is One Hundred Sixty Thousand pesos (P 160,000.00) only. The contract amount for Lot I is One Hundred Thousand pesos (P 100,000.00) only while the contract amount for Lot II is Sixty Thousand pesos (P 60,000.00) only.

D. SCOPE OF WORK

Lot I:

- a) Fabrication of PVC stake outs following annex A;
- b) Hauling and installation of the PVC stake outs;
- c) Geotagging of all four hundred twenty-four (424) PVC stake outs; and
- d) Submission of a report including photo documentation and map of the installed PVC stake outs.

Lot II:

- a) Fabrication of three thousand (3,000) pieces of tree tagging materials for the conduct of the Biodiversity Assessment and Monitoring System;
- b) Engraving of 1-3,000 number on tree tags or use of sticker with top coat for numbering;
- c) Geotagging of all three thousand (3,000) pieces of tree tagging materials; and
- d) Submission of a report including photo documentation of the installed tree tagging materials.

D. PROJECT DURATION AND SCHEDULE OF DELIVERY

Lot I:

The project duration for Lot I is 120 calendar days which will commence on March 2023 to July 2023.

Lot II:

The project duration for the fabrication and engraving of the tree tags is 30 calendar days upon issuance of the purchase order.

E. TERMS AND CONDITION

Lot I:

- a. Upon approval of the Contract and issuance of Notice to Proceed, the Contractor shall immediately commence the activities indicated in the approved Work and Financial Plan in coordination with the Office of the PENRO Camarines Sur for proper supervision and monitoring of the project.
- b. Fabrication of stakes shall follow the attached design see Annex A.
- c. The Contractor together with the DENR personnel shall conduct the installation of the stakes following the methods indicated in the BMB Technical Bulletin No. 2016-05 – “Guidelines on Biodiversity Assessment and Monitoring System for Terrestrial Ecosystems)” and BMB Technical Bulletin No. 2017-09 – “Adopting the User Manual on Biodiversity Assessment and Monitoring System for Terrestrial Ecosystems”

Lot II.

- a) The winning bidder/s shall ensure that the equipment/goods delivered are free from defects in materials, design, and/or workmanship. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty security shall be required from the Supplier/s for a minimum period of one (1) year, as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184, after acceptance by the End-User.
- b) The winning bidder/s shall replace the products with at no charge with a new unit.
- c) The Procuring Entity shall charge the supplier with liquidated damages in the amount equivalent to one tenth (1/10) of one percent (1%) of the cost for every day delay of delivery of agreed upon outputs. Once the cumulative liquidated damages reach (10%) of the amount of the contract, the DENR shall rescind the contract, without prejudice to the courses of action and remedies open to it.

F. PAYMENT

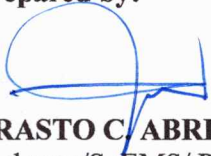
Lot I

Payment of contract price to the winning bidder/Contractor is based on the actual activities accomplishment (progress billing) as validated by the Technical Working Group and will be made upon Inspection and Acceptance by the End-User. A ten percent (10%) retention to be deducted to every billing which will only be released to the winning bidder/Contractor after termination of the warranty period by the DENR. Schedule of payment is based on the approved Work and Financial Plan.

Lot II

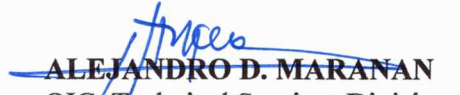
Payment shall be made upon inspection and acceptance of the inspection team and the end-user.

Prepared by:



ERASTO C. ABRERA
End-user/SvEMS/ PASu MINP

Recommending Approval:



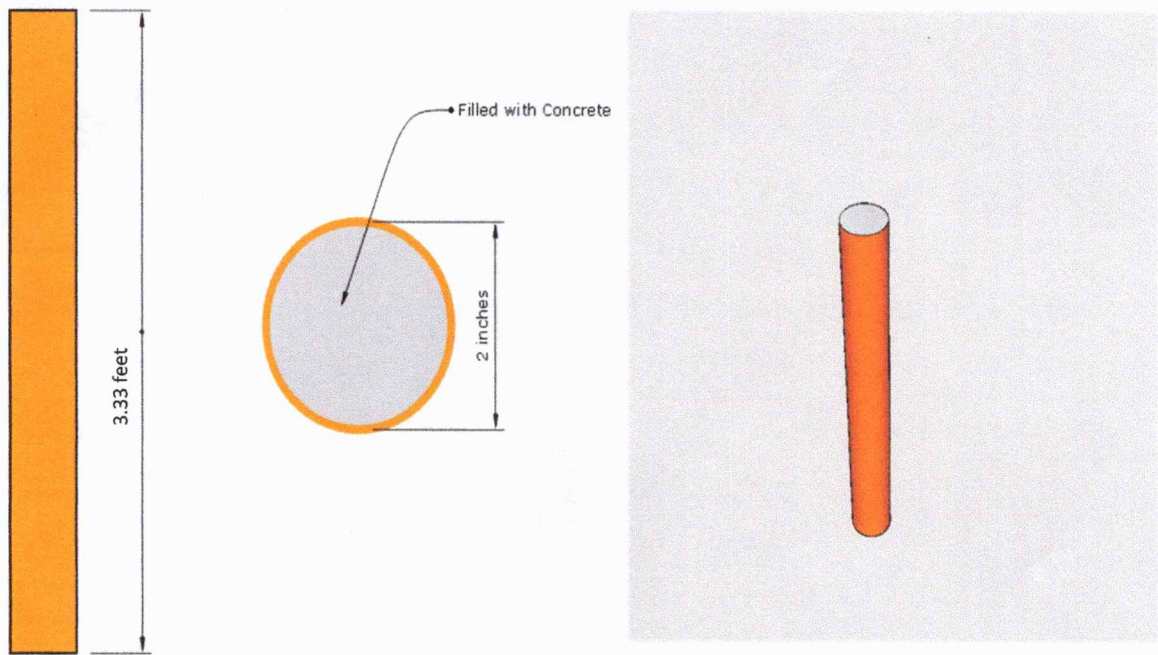
ALEJANDRO D. MARANAN
OIC, Technical Services Division

Approved by:



RONNEL B. ASTOR
HoPE/PENR Officer

Lot I. Annex A

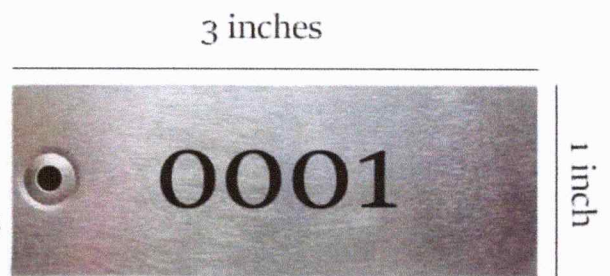


Lot II. Annex B

3,000 pieces of tree tags

Specification:

- Aluminum 1/8" x 3" x 1" or Flat Sheet: Gauge 22 (3" x 1")
- engraved numbers/ sticker with top coat
- the size of the tree tags should be 1 inch by 3 inches



NAME OF PROJECT : Fabrication of the Stake Out Monument for the Biodiversity Assesment and Monitoring (BAMS) in Mt. Isarog, Natural Park (MINP)
LOCATION : Brgy. Panicuason, Naga City, Camarines Sur
DURATION : 120 Calendar days

BILL OF QUANTITIES

I. Excavation, Backfilling and installation (Labor) and Hauling:

a. Excavation, Backfilling, and Installation

7 days 5 Common Laborer 500.00 /day -

b. Hauling

Lump Sum

II. Concrete Works:

15 pcs	Portland Cement	255.00 /pc.	3,825.00 ✓
6 cu.m	Washed Sand	850.00 /cu.m	5,100.00 ✓
3 cu.m	Crushed Gravel	1,100.00 /cu.m	3,300.00 ✓
Sub-Total			₱ 12,225.00 ✓

III. Fabrication of Monuments

225 pcs	PVC Pipes (2"x3")	255.00 pcs	57,375.00
Sub-Total			₱ 57,375.00

IV. Labor

Fabrication, Hauling and Installation of PVC Stake outs

Lumpsum	30,400.00 ✓
Sub-Total	₱ 30,400.00


SUMMARY OF DIRECT COST

a.) Materials	69,600.00 ✓
c.) Labor and Hauling of Materials	30,400.00 ✓
Total Direct Cost	₱ 100,000.00 ✓

Prepared by:


NELCHELLE ANNE DE GUZMAN
 Engineer II/ Regulation and Permitting Section

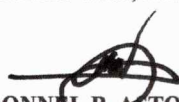
Reviewed by:


ERASTO C. ABRERA
 SvEMS/ FASu, MINP

Recommending Approval:


ALEJANDRO D. MARANAN
 SvEMS/ Chief, TSD

Approved by:


RONNEL B. ASTOR
 HoPE/ PENR Officer

NAME OF PROJECT : Fabrication of the Tree Tagging Materials for the Biodiversity Assesment and Monitoring (BAMS) in Mt. Isarog, Natural Park (MINP)
LOCATION : Brgy. Panicuason, Naga City, Camarines Sur
DURATION : 30 Calendar days

BILL OF QUANTITIES

I. Fabrication of Tree Tagging Materials:

3000	pcs	Aluminium Flat Bar 1/8" x 3" x 1" or Flat: Gauge 22(3"x1")	20.00	/pc.			60,000.00
		Engraving/ sticker with top coat					
							₱ 60,000.00

Prepared by:

NELCHELLE ANNE DE GUZMAN
 Engineer II/ Regulation and Permitting Section

Reviewed by:

ERASTO C. ABRERA
 SvEMS/ PASu, MINP

Recommending Approval:

ALEJANDRO D. MARANAN
 SvEMS/ Chief, TSD

Approved by:

RONNEL B. ASTOR
 HoPE/ PENR Officer