



Republic of the Philippines
Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU

Ninoy Aquino Parks and Wildlife Center, Quezon Avenue, Diliman, 1100 Quezon City
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REQUEST FOR EXPRESSION OF INTEREST
No. 2025-023

**PROCUREMENT OF INDIVIDUAL CONSULTANT AS CARBON SPECIALIST FOR THE DENR-
UNDP/GEF PROJECT ON "INTEGRATED APPROACH OF MAJOR BIODIVERSITY CORRIDORS IN
THE PHILIPPINES OR BD CORRIDOR PROJECT"**

The Biodiversity Management Bureau (BMB) of the Department of Environment and Natural Resources (DENR) intends to engage the services as Carbon Specialist to assist the project in delivering project indicator.

The BMB-Bids and Awards Committee calls for the submission of eligibility documents of a qualified Consultant interested to bid for the requirement below, to wit:

<u>Requirement</u>	<u>Duration</u>	<u>Budget</u>
Carbon Specialist	Six (6) months	P300,000.00 (Inclusive of tax)

The documents for submission are:

1. Letter of Intent;
2. Curriculum Vitae which includes the following:
 - Educational background
 - Relevant Work Experiences
3. At least (2) sample documentation works in electronic copy;
4. Fully accomplished Personal Data Sheet (PDS) with a recent passport-size (CS-Form No. 212, revised 2017) which can be downloaded at www.csc.gov.ph;
5. Clear copy of Diploma/Transcript of Records (TOR);
6. PhilGEPS Certificate of Registration;
7. BIR Certificate of Registration; and
8. Signed Omnibus Sworn Statement.

Incomplete/non-submission of these requirements shall be grounds for disqualification from the procurement process.

For inquiries, please contact Ms. Rowena F. Bolinas at Telephone No. 89246031 local 210-212 and 8925-8948/. Interested applicants must submit the documents on or before 5:00pm **JUL 07 2025** to:

The Chairperson

Bids and Awards Committee

Biodiversity Management Bureau

Ninoy Aquino Parks and Wildlife Center, North Avenue, Diliman, Quezon City

Tel. No. 8924-6031 loc. 221, 9246031 local 226 and 8925-8948/0953-760-1979

Email address: bacsec@bmb.gov.ph cc: : bdcorridorproject@gmail.com

Approved for posting:

ANSON M. TAYTAG

Chairperson, Bids and Awards Committee



UNITED NATIONS DECADE ON
**ECOSYSTEM
RESTORATION**
2021-2030



TERMS OF REFERENCE

PROCUREMENT OF INDIVIDUAL CONSULTANT AS CARBON SPECIALIST FOR THE DENR-UNDP/GEF PROJECT ON “INTEGRATED APPROACH IN MANAGEMENT OF BIODIVERSITY CORRIDORS IN THE PHILIPPINES” OR BD CORRIDOR PROJECT

I. Background

The Department of Environment and Natural Resources (DENR), with funding from the Global Environment facility (GEF) and support from the United Nations Development Program (UNDP), is implementing the project entitled “**Integrated Approach in Management of Major Biodiversity Corridors in the Philippines**” or **BD Corridor**. The Project aims to operationalize integrated management of biodiversity corridors to generate multiple benefits including effective conservation of globally threatened species and high conservation value forests, reduce deforestation and degradation and enhance local biodiversity-friendly livelihoods. This Project has four components, namely:

- Component 1: Effective coordination and governance framework for integrated ecosystem management in the Philippines biodiversity corridors system;
- Component 2: Application of integrated network design and management of biodiversity corridors to ensure continued stability and sustainability of their biological, ecosystem services and socio-economic conservation values;
- Component 3: Community-based sustainable use and management systems in the two pilot biodiversity corridor systems in the Philippines; and
- Component 4: Knowledge management, gender mainstreaming, learning, monitoring and evaluation.

Carbon Target

Key targets of the BD Corridor Project, as outlined in its Project Results Framework, are the following:

- Mid-Term Target: Monitoring systems for estimation of carbon sequestered and/or avoided established; and
- End-of-Project Target: Total carbon benefits of 17,503,045 metric tons of CO₂ over 20-year period as follows:
 - C sequestered in agriculture, forestry and other land uses of 5,396,078 metric tons of CO₂ over 20-year period; and
 - Avoided emissions of 12,106,967 metric tons of CO₂ over 20-year period

Carbon Calculation

The UN Food and Agriculture Organization (FAO) developed a tool called EX-ACT (Ex-Ante Carbon-balance Tool) to measure carbon emissions and reductions from country programs and projects. The FAO EX-ACT is designed for early-stage project assessments and requires only minimal data, making it a cost-effective tool for planning agricultural and forestry projects. It includes a large database of default values (Tier 1) for countries that lack specific local data. If country-specific data is available, the tool can also perform more accurate, location-specific calculations (Tier 2). It also covers all agricultural sub-sectors,

various management practices, and all types of greenhouse gases and emission sources in both the Agriculture, Forestry and Other Land Use (AFOLU) and fisheries sectors.

For the DENR-UNDP/GEF BD Corridor Project, carbon calculations were done using EX-ACT. Since updated local data (e.g., forest biomass) for the Philippines was not available, the tool's default values were used. The site descriptions and assumptions used in these calculations are explained below.

Greenhouse Gas Emissions Measurement

Greenhouse gas (GHG) emissions mitigated will be measured within

- Protected areas
- OECM areas
- areas under other tenurial instruments, including
 - Community-Based Forest Management Agreement (CBFMA)
 - Protected Area Community Based Resource Management Agreement (PACBRMA)
 - Industrial Forest Management Agreement and
- National Greening Program (NGP) areas situated within biological corridors in Mindoro Island and Eastern Mindanao.

For the Mid-Term Target, the monitoring systems for estimation of carbon sequestered and/or avoided established will be reported achieved when the following minimum prerequisites have been achieved:

- The monitoring systems have been vetted by DENR-FMB and Department of Agriculture-BSWM for implementation at the national and local levels.
- Tools for the monitoring systems have been developed and have been rolled-out for pilot-testing in at least one sub-biological corridor cluster.

For the End-of-Project Target, greenhouse gas emissions mitigated will be counted for areas meeting the necessary conditions:

- Forests covered by protected areas;
- Forests and forestlands declared as OECMS and allocated for SFM and SLM in LGUs' PDPFPs and CLUPs;
- Have Restoration and Management Plan (or Sustainable Forest Management Plan) or SLM exemplar design and workplan adopted by concerned decision-makers depending on the type of tenure holders;
- With (i) ongoing restoration activities, e.g., agroforestry and/or assisted natural regeneration implementation activities OR (ii) ongoing SLM exemplar practices
- With (i) ongoing forest protection through community forest monitoring OR (ii) monitoring and evaluation (M and E) in SLM exemplars.

The BD Corridor Project seeks to engage a Carbon Specialist to ensure that the project has the technical capacity to adequately deliver the Project's Carbon Targets.

II. Objective

The objective of this Consultancy is to assist the Project in delivering Project Indicator 2, i.e.,

- Monitoring systems for estimation of carbon sequestered and/or avoided agreed by concerned government agencies (DENR and DA); and
- Accounting/tracking of total carbon benefits of 17,503,045 metric tons of CO₂ over 20-year period

The terms of reference would require a level of expertise and attention beyond the optimum in-house capability of the Bureau and is consistent with the Government's policy not to compete with the private sectors, in accordance with the Implementing Rules and Regulations (IRR) of Republic Act No. 9184.

III. Scope of Work

Specifically, the scope of services is as follows:

1. Review the BD Corridor Project Document and related Annex and lead the enhancement or designing of a monitoring system for estimation of carbon sequestered and/or avoided in the sector of agriculture, forestry and other land uses;
2. Facilitate stakeholder consultations, including subject matter experts, in enhancing or designing a monitoring system for estimation of carbon sequestered and/or avoided in the sector of agriculture, forestry, and other land uses;
3. Develop a Manual for the monitoring system for estimation of carbon sequestered and/or avoided in the sector of agriculture, forestry and other land uses;
4. Account/calculate GHG mitigated, particularly carbon emissions avoided and carbon sequestered using the FAO EX-ACT from the following land uses:
 - Protected Area
 - OECMs
 - Forests and forestlands allocated for SFM and SLM
 - SFM Areas
 - SLM Areas
5. Provide periodic consolidated report on the progress of achieving the carbon targets of the BD Corridor Project;
6. Coordinate with other project consultants and other offices, as maybe necessary, in data gathering and in the review and finalization of outputs and deliverables;
7. Conduct basic capacity-building activities on carbon accounting for the sectors of agriculture, forestry and other land uses;
8. Act as Resource Person on GHG/Carbon Mitigation during meetings of the National Project Board (NPB), Inter-Agency Technical Working Group (TWG), Corridor Alliance Advisory Committee (CAAC), and other events;
9. Perform other related tasks as may assigned by the National Project Director and National Project Manager.

IV. Deliverables

1. Inception Report

2. Monitoring System for estimation of GHG, particularly carbon sequestered and/or avoided in sectors of agriculture, forest and other land uses
3. Manual for the monitoring system for estimation of GHG, particularly carbon sequestered and/or avoided in sectors of agriculture, forest and other land uses
4. Reports on GHG, particularly carbon sequestered and/or avoided by the project generated through FAO EX-ACT; and
5. Final report with executive summary and consolidating all previously submitted reports on the BD Corridor Project's Carbon Targets

The DENR retains full rights and ownership of all deliverables and materials collected, generated, enhanced, produced by the Consultant under this engagement.

V. Qualifications and Requirements

1. Bachelor's degree in Environmental Science, Natural Resource Management, Ecology, Economics, Sustainability, Climate-related disciplines and other related fields. Masteral degree is an advantage;
2. Minimum of 3 years of technical experience working in GHG/carbon accounting and reporting preferably in the environment, natural resources, or agriculture sectors using carbon accounting/quantification tools such as FAO EX-ACT;
3. Minimum of 3 years experience in undertaking GHG including carbon assessment and delivering GHG and carbon reductions/ mitigation efforts or projects;
4. Technical expertise in data analysis, report writing, and knowledgeable on climate change-related policies;
5. Experience working with key lead implementing agencies such as Climate Change Commission (CCC), DENR, DA and NCIP would be an advantage;
6. Proficiency in MS Office and fluency in English.

VI. Timetable

The Consultant is expected to deliver the outputs within 2025-2026 spread over six months, after acceptance of Notice to Proceed (NTP).

DELIVERABLE	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
Inception Report						
Monitoring system for estimation of GHG, particularly carbon sequestered and/or emissions avoided in agriculture and land use						
Manual for the monitoring system for estimation of GHG, particularly carbon sequestered and/or avoided in sectors of agriculture, forest and other land uses						

Reports on the GHG, particularly carbon sequestered and/or avoided by the project generated through FAO-EXACT as a result of implementing the BD Corridor Project: <ul style="list-style-type: none"> o Protected Area o OECM o SFM Areas o SLM Areas o Tamaraw habitat 						
Final report with executive summary and consolidating all previously submitted reports on the BD Corridor Project's Carbon Targets						

VII. Contract Price and Schedule of Payment

The approved budget for this Consultancy service is **Php 300,000.00** (Three hundred thousand pesos) inclusive of tax which shall be paid in tranches based on the following:

Outputs/Deliverables	% of Total Contract Cost	Due Date	Schedule
Inception Report	15%	30 days after issuance of Notice to Proceed	After signing of contract, submission and acceptance of inception Report
Final monitoring system for estimation of GHG, particularly carbon sequestered and/or emissions avoided in agriculture and land use incorporating the comments and inputs of the interdisciplinary experts who vetted the monitoring system	35%	60 days after acceptance of the Inception Report	After submission and acceptance of the monitoring system for estimation of carbon sequestered and/or avoided in agriculture and land use and submission
Technical reports on GHG, particularly carbon sequestered and/or avoided by the project generated through FAO EXACT;	35%	60 days after acceptance of the 1st Progress Report	After submission and acceptance of Reports on the carbon sequestered and/or avoided by the project generated through FAO EXACT;

Final report with executive summary and consolidating all previously submitted reports on the BD Corridor Project's Carbon Targets	15%	30 days after acceptance of the 2nd Progress Report	After submission and acceptance of final report with executive summary and consolidating all previously submitted reports on the BD Corridor Project's Carbon Targets
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VIII. Management and Reporting Arrangements

The Consultant shall be contracted by the BD Corridor Project through the DENR-Biodiversity Management Bureau and shall be under the direct supervision of the BD Corridor National Project Manager, in close coordination with the BMB-Biodiversity Policy and Knowledge Management Division.

IX. Documentary Requirements

Interested applicants should submit the following to the undersigned on or before:

1. Letter of Intent
2. Curriculum Vitae which includes the following:
 - a. Educational background
 - b. Relevant work experiences
3. At least two (2) sample documentation works in electronic copy
4. Fully accomplished Personal Data Sheet (PDS) with a recent passport-size picture (CS-Form No. 212, revised 2017) which can be downloaded at www.csc.gov.ph
5. Clear copy of Diploma/ Transcript of Records (TOR)
6. PhilGEPS Certification of Registration
7. BIR Registration for individual
8. Omnibus Sworn Statement
 - a. Notarized OSS should be complied with after the award of the contract but before payment pursuant to item 6.3 of GPPB 09-2020

THE CHAIRPERSON
 Bids and Awards Committee
 Biodiversity Management Bureau
 Ninoy Aquino Parks and Wildlife
 Quezon Avenue, Diliman, Quezon City
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Approved by:


MARIGLO ROSAÍDA I. LARIRIT
 Assistant Director, BMB

