Annex I
Terms of reference

GENERAL INFORMATION

Title: International Consultant for National Blue Economy Roadmap
Project Name : N/A
Reports to: UN Resident Coordinator Office Economist
Duty Station: home-based
Expected Places of Travel (if applicable): Jakarta
Duration of Assignment: From July – December 2022 (60 working days)

REQUIRED DOCUMENT FROM HIRING UNIT

v	TERMS OF REFERENCE
8	**CONFIRMATION OF CATEGORY OF LOCAL CONSULTANT , please select :**
	(1) Junior Consultant
	(2) Support Consultant
	(3) Support Specialist
	(4) Senior Specialist
	(5) Expert/ Advisor
	CATEGORY OF INTERNATIONAL CONSULTANT , please select :
	(6) Junior Specialist
	(7) Specialist
	(8) Senior Specialist
v	APPROVED e-requisition

REQUIRED DOCUMENTATION FROM CONSULTANT

v	CV/P11 with three referees
v	Copy of education certificate
v	Completed financial proposal
v	Completed technical proposal

Need for presence of IC consultant in office:
*v partial (*15 days in August and November 2022 where the consultant's presence is subject to request)
☐ *intermittent*
☐*full time/office based*

Provision of Support Services:
Office space: Yes   *v No*
Equipment (laptop etc):   Yes   *v No*
Secretarial Services   Yes   *v No*
If yes has been checked, indicate here who will be responsible for providing the support services:
Romi Mardian

I. BACKGROUND

The blue economy[1] of Indonesia contributes to economic growth and employment Indonesia. As an archipelagic country with over 17,000 islands, one of the longest coastlines in the world, and the world's largest exclusive economic zone (EEZ), Indonesia can further develop blue economic sectors as its new sources of inclusive and sustainable growth in the future. Diverse economic sectors, including marine living and non-living resources, industry, tourism, transportation, and logistics, offer economic opportunities in Indonesian waters. Nevertheless, Indonesia has not yet used its substantial economic potential in marine and coastal areas optimally. The blue economic sectors that have been developed and supported are still limited to conventional sectors such as fisheries, aquaculture, fish-only processing and tourism, making it challenging to develop the Indonesian blue economy sector. These sectors also face several issues, such as a lack of innovation in fishing techniques, pollution, the effects of climate change, and a lack of application of principles, which are the primary causes of damage to marine ecosystems that harm essential sectors like fisheries and tourism.

Indonesia must strengthen the resilience and sustainability of its blue economy sector. This is particularly relevant when the COVID-19 pandemic creates more challenges to the blue economy development in Indonesia. The pandemic has caused severe economic contraction and structural changes in all sectors of the blue economy, including tourism, water transportation, fishing, and seafood processing. The stifling of economic activity in the blue economy sector, both in terms of supply and demand, due to a lack of resistance to external shocks is a crucial issue that requires attention.

Indonesia's maritime power has the potential to significantly contribute to the economic recovery and transformation of the nation if it is optimally processed and utilized. The blue economy recovery framework can be a driver for the growth of the existing marine sector (conventional marine sector) and a catalyst for new sectors (such as education, biotechnology, and research). The marine based industry needs also to be strengthened and expanded to establish a sustainable and equitable growth trajectory. To achieve a competitive, innovative, and environmentally responsible blue economy sector, the management of marine resources needs also to be improved by expanding and growing blue economy principles. The transition to a blue economy may help Indonesia reduce economic dependence on extractive activities by serving as a model for developing a sustainable marine-based industry.

The development of the blue economy is expected to increase employment, productivity, and added value to the Indonesian economy due to its role in supporting economic transformation. Due to the significance of this matter, it is necessary to develop a roadmap that contains a comprehensive analysis of the potential effects of the Indonesian marine and maritime sector and policy recommendations for all relevant stakeholders. The roadmap will take into account both the existing (conventional) and new (emerging) sectors. The conventional sectors refer to the fisheries industry, the oil and gas industry, the marine and aquaculture commodity-based industrial sector, the shipbuilding industry, tourism, trade,

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[1] The definition of blue economy can refer to the explanation of Article 14 in the Law Number 32 Year 2014 on Marine Affairs, which is an approach to improve the management of sustainable marine and conservation of marine and coastal resources and their ecosystems in order to realize economic growth with the principles of community involvement, resource efficiency, waste minimization, and double added value (multiple revenue).

transportation, and logistics. The emerging blue economy sectors may include education and research, renewable energy, bioeconomics, and biotechnology.

The roadmap will complement the Blue Economic Development Framework that has been launched in November 2021 and serve as a guide for policies and programs to accelerate economic transformation and realize Indonesia's Vision 2045, including the hope of escaping the middle-income trap before 2045. The development of the roadmap is also expected to contribute to global efforts to transition to a more sustainable blue economy through the conservation and responsible use of marine and coastal resources to benefit future generations.

The main objective of developing the Blue Economy Roadmap is to provide guidance for policies and programs to strengthen the contribution of blue economy sectors in supporting Indonesia's economic transformation towards achieving inclusive and sustainable development.

The objective will be achieved through some activities: (i) to prepare and to update the background studies and literature studies related to the potential of the blue economy in Indonesia that have been outlined in the Blue Economy Development Framework; (ii) to analyze the current condition, as well as project and set the targets for blue economy contribution to the Indonesia economy; (iii) to develop policy directions and relevant strategies that will lead to the achievement of the targets; (iv) to analyze and formulate relevant strategies and programs to support the development of priority blue economy sectors; and (iii) to formulate detailed action plans for developing blue economy sectors in Indonesia.

The methodology for developing the roadmap may involve collecting, processing, and analyzing primary and secondary data on the current condition and potential of blue economy sectors. The analyses include quantitative and qualitative analyses. Some focus group discussion (FGD) will also be conducted to gather inputs from relevant and key stakeholders for improving the analysis and the formulation of targets, policy directions, development strategies, and action plans. The FGD may involve stakeholders from the government, private sector, academia, related associations, individual experts, and relevant civil society organizations. Consultation with youth, coastal communities, women, people with disability will also be made to gather their feedback on the Roadmap.

As a part of the development process of the roadmap, some public consultations and FGDs will be held to attract ownership from the stakeholders including the Coordinating Ministry of Maritime Affairs, Ministry of Marine and Fisheries, Ministry of Tourism and Creative Economy. The first public consultation as the first milestone of the development of the roadmap will be held as a part of the Side Event of the G20 Development Ministerial Meeting in September 2022. This public consultation will be followed at least with one public consultation for the finalization of the action plan. The roadmap is expected to be completed in December 2022. The roadmap will be used as the main guideline for the stakeholders to collaborate in the development of blue economy in Indonesia. It will also serve as a reference for promoting policy discussion and collaboration at the G20 Summit in 2022 and the ASEAN Summit in 2023.

II. *SCOPE OF WORK AND DELIVERABLES*

SCOPE OF WORK

The scope of analyses of the Blue Economy Development Roadmap may include:

A. Articulation of institutional, regulatory, and policy frameworks
B. Stakeholder analysis
C. Supply and demand analysis of sector development
D. Analysis of basic spatial, social, economic, and infrastructure conditions
E. Articulation of environmental, social, economic, and investment opportunities and constraints
F. Summarize the gap in terms of the success factors of blue economy development
G. Growth projection and development scenario
H. Detailed development plan for selected scenarios
I. Formulate and develop policy recommendations and action plans to support the development of a blue economy in Indonesia.

The Consultant will take a deep dive analysis of at least 6 priority blue economy sectors, which are (1) capture fisheries and aquacultures; (2) marine-based manufacturing; (3) renewable energy; (4) tourism; (5) marine conservation/protected area; as well as (6) research and development, and education. The sectoral analysis is expected to scrutinize opportunities, challenges, gaps, and drivers to develop blue economy sectors. The Blue Economy Roadmap is expected to detail action plans to develop the blue economy sectors in Indonesia.

The consultant will manage the expert for each study component, coordinate with various UN and non-UN agencies in the context of blue economy development in Indonesia, designs work plans and detailed activities of all experts, and acts as the main focal point for communication with Bappenas.

The consultant is expected to complete 3 parts of the analyses (Point D: Analysis of basic spatial, social, economic, and infrastructure conditions, Point E: Articulation of environmental, social, economic, and investment opportunities and constraints and Point I: Formulate and develop policy recommendations and action plans to support the development of a blue economy in Indonesia).

The consultant is expected to compile the final draft of the Blue Economy Roadmap and combine all works from various agencies and experts.

DELIVERABLES

Deliverables	Estimated number of Working Days	Due Date
Work Plan that includes list of planned activities and timeline, also methodology to develop Blue Economy Roadmap	5	July 2022
Result on the analysis of basic spatial, social, economic, and infrastructure conditions,	15	July 2022
Articulation of environmental, social, economic, and investment opportunities and constraints	*15*	August 2022

Policy recommendations, action plans, and the first draft of the Blue Economy Roadmap that accommodate inputs and feedbacks from stakeholders and young people, coastal communities and women	*15*	September 2022
The compilation of the final draft of the Blue Economy Roadmap from all experts	*10*	December 2022

III. WORKING ARRANGEMENTS

Institutional Arrangement

The International Consultant for Blue Economy Roadmap will work under overall supervision of Ministry of National Development Planning (BAPPENAS) and Head of the UN Resident Coordinator's Office (RCO) and the direct supervision of the RCO Economist. BAPPENAS and RCO may call for irregular check in calls with the consultant to ensure progress, provide support when necessary and quality assure the process.

The consultant will be asked to present the draft report to stakeholders and make necessary and relevant revisions based on the inputs. The consultant will also lead all inputs from UN Agencies and other institutions that are involved in the Blue Economy Roadmap Development.

Duration of the Work

The assignment will be 60 working days from July until December 2022.

Duty Station

Home based. It is expected that the Consultant presents in important meetings related to the assignment. The consultant will also need to travel to Indonesia for consultation workshops with stakeholders. See travel plan below.

Travel Plan
The Consultant will be required to travel to the below indicated destinations and include the relevant costs into the proposal. There may be also unforeseen travel that will come up during the execution of the contract which will be agreed on ad-hoc basis and will be paid by RCO

No	Destination	Frequency	Duration/days
1	Jakarta, Indonesia	1	8 days (August or September 2022), including travel time
2	Jakarta, Indonesia	1	7 days (November or December 2022), including travel time

IV. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

Academic Qualifications:

- PhD in Economics, Environmental Economics, Resource Economics, Development Studies or other related areas.

Years of experience:

- 15 years of experience (for PhD) in conducting research at the national/international level on environmental economics, blue economy, coastal management, or natural resource management.
- Experience in conducting inter-disciplinary research in Asia or Middle-Income Country context
- Proven experience in leading or managing complex research or activity

III. Competencies:

- Familiarity with spatial analysis, and socio-economics data
- Written and spoken proficiency in English, and proven ability to produce high-quality written outputs in English

V.	**EVALUATION METHOD AND CRITERIA**

Individual consultants will be evaluated based on the following methodologies:

Cumulative analysis

When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:

a) responsive/compliant/acceptable, and

b) Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

* Technical Criteria weight; [70]

* Financial Criteria weight; [30]

Only candidates obtaining a minimum of 70 point would be considered for the Financial Evaluation

Criteria	*Weight*	*Maximum Point*
Technical		
Criteria A: qualification requirements as per TOR: 1. PhD in Economics, Environmental Economics, Resource Economics,		15

Development Studies or other related areas. **2.** 15 years of experience (for PhD) in conducting research at the national/international level on environmental economics, blue economy, coastal management, or natural resource management. 3. Experience in conducting inter-disciplinary research in Asia or Middle-Income Country context 4. Familiarity with spatial analysis, and socio-economics data. 5. Written and spoken proficiency in English, and proven ability to produce high-quality written outputs in English 6. Proven experience in leading or managing complex research or activity		15 10 10 10 10	
Criteria B: Brief Description of Approach to Assignment *1. Detailed understanding of Indonesian Environmental and social standards;* *2. Detailed understanding of International environmental and social standards.*		*15* *15*	