



## **REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – INDIVIDUAL SELECTION)**

***BADAN METEOROLOGI, KLIMATOLOGI DAN GEOFISIKA***  
**AGENCY OF METEOROLOGICAL, CLIMATOLOGICAL,  
AND GEOPHYSICAL**  
**INDONESIA DISASTER RESILIENCE INITIATIVE PROJECT (IDRIP)**  
Loan No./Credit No./ Grant No.: 8980-ID

**Assignment Title: Procurement Of Individual Consultant Services For Environmental  
And Social Risk Screening For BMKG Building Construction**  
**Reference No.: ID-BMKG-296737-CS-INDV**

The Government of Indonesia has received financing in the amount USD160 million from the World Bank toward the cost of the Indonesia Disaster Resilience Initiative Project, and intends to apply part of the proceeds for individual consulting services namely Environmental & Social Risk Screening Consultant.

The scope of work for Environmental & Social Risk Screening under the supervision of the General Affair & Human Resources Bureau divided into several stages:

1. Preparation is preparing for the activity implementation, including coordinating with stakeholders, the technical team, other related parties to agree on work plans, work implementation methodologies and work outputs as well as drafting the concept of Environmental & Social Risk Screening IDRIP BMKG.
2. Scope of Works:
  - a. Learning and understanding the provisions and criteria for environmental and social risk screening according to the IDRIP ESMF document.
  - b. Conduct mapping of national and local regulations related to the environment and social which must be acquired both in Jakarta and Bali, as well as other relevant activity locations.
  - c. Conduct data and information searches using survey / interview methods as well as virtual methods for renovation or building construction needs in order to obtain an estimate of the risks that may arise from the environmental and social side and public health (for example the risk of hazardous and toxic waste materials such as asbestos, electronic waste from demolition, old buildings, the risk of gender-based violence in construction activities, the risk of accidents and work safety, the health of employees and the surrounding community which

may be affected by demolition activities as well as the mobilization of materials and equipment, etc.).

- d. Document the potential risks of the proposed activities, including documentation of consultations with relevant stakeholders, administrative completeness (land ownership documents), and measures to avoid and mitigate the risks and potential impacts identified.
- e. Conduct gradual coordination with users and also the World Bank regarding the discussion of environmental and social risks.
- f. Conduct environmental and social risk screening for InaTEWS OPERATIONAL SYSTEM DEVELOPMENT (BUILDING) activities in Jakarta and Bali which include renovation, demolition (partial), or construction of new buildings along with technical recommendations for risk management efforts through the preparation of relevant documents such as AMDAL or UKL-UPL.
- g. Develop a terms of reference (TOR) for the preparation of environmental documents required for activities based on the risk screening which has been carried out.
- h. In carrying out all these scopes of work, one must first coordinate with the BMKG and PPK Building Needs Assessment Consultants, and obtain approval from the PPK.
- i. Data, information, regulations and other administrative matters must be properly documented. Data and information obtained through survey results, interviews and meetings requires a list of names and signatures of participants.

### 3. Output:

- a. Documentation and reports of survey results/interviews from users of Echelon 1 officials, Echelon 2 officials, Project Director, PIUs, Echelon 3 officials or field coordinator levels, Echelon 4 officials or sub-coordinator level fields and implementing or staff levels related to building construction new are well laid out.
- b. Documentation and screening reports of environmental and social risks that may arise due to the construction of new buildings and other relevant BMKG activities are well recorded.
- c. Documentation and screening reports of social environmental risks related to regulations, ESMF, its needs and potential recommendations are well filed.
- d. Weekly and monthly progress report documents.
- e. Initial screening document for Environmental and Social Risks for the Construction of the BMKG Building.
- f. Final screening document for Environmental and Social Risks of BMKG Building Construction and technical recommendation steps for avoidance and reduction of potential risks and impacts.
- g. Document of Terms of Reference (TOR) for compiling environmental documents.

- h. Work completion report document.

Initial and final screening documents prepared by individual consultants must at least contain:

- a. Background.
- b. Legal basis
- c. World Bank standard environmental and social basis.
- d. BMKG requirements and essential conditions.
- e. Condition of the existing building (technically).
- f. Consideration of the Environmental and Social Risks arising.
- g. A study between the construction of new buildings with each risk category
- h. Recommendations.
- i. Documentation photos.

The consultant will be assigned approximately for 3 (three) months. The expected commencement of service is July 2022.

The Terms of Reference (TOR) for the primary procurement stage for the assignment are attached to this request for expressions of interest.

The Meteorology, Climatology and Geophysics Agency (*Badan Meteorologi, Klimatologi dan Geofisika-BMKG*) now invites eligible individual consultant ("Consultants") to indicate their interest in providing the Services.

Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are:

1. Administration Qualification.
  - a. Holds an Indonesian Citizen ID card
  - b. Holds an appropriate tax identification number (NPWP)
  - c. Submits a statement letter:
    - 1) Have a good understanding of environmental and social guidelines and practices as a consequence of demolition and building construction activities.
    - 2) Have a good understanding of the environmental and social guidelines standards applied by the World Bank.
    - 3) Have a good understanding of environmental and social related guidelines and also regulations from national and local regulations.
    - 4) Have good analytical skills in carrying out environmental and social risk screening.
    - 5) Have written and oral communication skills in Indonesian and English to communicate with the World Bank and to prepare technical documents, report documents, initial screening documents and final screening documents as well as recommendations.

## 2. Technical qualification

- a. Minimum Bachelor's degree in Environmental Engineering/Civil Engineering, a certificate degree must be provided.
- b. Minimum 5 (five) years of professional experience in the field of construction planning risk screening with environmental management duty.
- c. Possess an Environmental/Waste/Sanitation Expert SKA or risk-based project management/management Expert, proven by a certificate of expertise.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016, revised November 2017 and August 2018 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

A Consultant will be selected in accordance with the Consultant Qualification Selection (CQS) method described in the Procurement Regulations.

Further information can be obtained at the address below during office hours at 09.00 to 16.00 hours.

Expressions of interest including curriculum vitae, pricing quote, and supporting documents must be delivered in a written form to the address below (by e-mail) by June 13<sup>th</sup>, 2022 at 16.00 local time.

*Badan Meteorologi, Klimatologi dan Geofisika-BMKG*

Agency of Meteorological, Climatological, and Geophysical

Attn: Pokja Pemilihan IDRIP BMKG

Jalan Angkasa I No.2 Kemayoran, Jakarta Pusat, DKI Jakarta 10610, Indonesia

PO Box 3540 Jkt

+62 21 4246321

+62 21 4246703

Email: [pokja.idrip@bmkg.go.id](mailto:pokja.idrip@bmkg.go.id)

Website: [www.bmkg.go.id](http://www.bmkg.go.id)

**TERM OF REFERENCE**

**AND**

**BUDGET PLAN**

**PROVISION OF INDIVIDUAL CONSULTANT SERVICES FOR ENVIROMENTAL AND SOCIAL RISK  
SCREENING**

**FOR BMKG BUILDING CONSTRUCTION**

**Fiscal Year 2022**



**METEOROLOGY, CLIMATOLOGY, AND GEOPHYSICS AGENCY**

**DEPUTY OF GEOPHYSICS**

## **TERM OF REFERENCE**

### **INDONESIA DISASTER RESILIENCE INITIATIVES PROJECT-IDRIP**

#### **INDIVIDUAL CONSULTANT SERVICES FOR ENVIRONMENTAL AND SOCIAL RISK SCREENING FOR BMKG BUILDING CONSTRUCTION**

**FISCAL YEAR 2022**

## **I. Overview of IDRIP**

The Republic of Indonesia is a land of fire rings located above the confluence of three tectonic plates, called the Indo-Australian plate, the Pacific plate and the Eurasian plate. Therefore, Indonesia is an area that is very vulnerable to earthquake and tsunami disasters and also the various impacts afterwards. Indonesia is also one of the regions which has the highest frequency of earthquakes in the world.

The Meteorology, Climatology, and Geophysics Agency as a Non-Ministerial Government Institutions which is under and is responsibly reports directly to the President. BMKG has government duties in the fields of Meteorology, Climatology, and Geophysics, where the Deputy for Geophysics is an echelon I work unit in charge of formulating, implementing and controlling the implementation of technical policies, as well as carrying out data and information services in the fields of Geophysics. One of the functions of the Deputy for Geophysics is data and information services as well as the delivery of information and early warnings to relevant agencies and parties as well as the public regarding the conditions, events and/or potential for earthquakes and tsunamis.

In order to accelerate the BMKG's performance services for earthquake and tsunami information, BMKG has collaborated with the National Disaster Management Agency (BNPB) to implement the Indonesia Disasted Resilience Initiative Project (IDRIP), where BMKG acts as the supporting or implementing agency and BNPB itself as the leader of this project or executing agency.

This IDRIP activity is funded by the Foreign Loans, precisely from the World Bank with a value of US\$85 million out of a total US\$160 million until 2024, which is used by the BMKG to strengthen and add networks for operational equipment, supporting equipment and also increase the capacity of human resources as well as conduct studies for managing Geophysical operations, where IDRIP activity is included in the 2020-2024 RPJMN Major Project.

The BMKG activities in IDRIP includes upgrading and adding sensor equipment in the filed, repairing sensor shelters and also upgrading early warning systems at central and

back-up locations outside the center. The efforts to prepare the places, facilities and work infrastructure better than before for technical operations and also for the secretariat of the Deputy for Geophysics, are carried out through the InaTEWS OPERATIONAL SYSTEM DEVELOPMENT (BUILDING) activity in which overall the implementation includes the demolition and construction of two Geophysical Operational Buildings located in the BMKG Jakarta head office and the MKG Regional III Bali Headquarters office.

One of the activities in IDRIP is to accommodate the operational needs of the Early Warning System which has been aligned with the latest technological developments in operational equipment from IDRIP activities and other operational equipment whose sustainability has been calculated with a projected 20-year needs. This of course will add new monitoring, processing and dissemination system equipment therefore it is necessary to assess whether the existing buildings and operational space infrastructure suggestions are sufficient, or an increase in construction is needed (through renovation or with new construction) to facilitate the needs for the next 20 years.

In general, the development in Jakarta and Bali is to provide operational infrastructure better than before as well as an effort to provide work infrastructure that is better, more appropriate, and has the right benefits and functions compared to the existing infrastructure that is currently being used. However, for activities in Bali, it is specifically designated as back-up for Central Jakarta operations, both data back-up for monitoring, processing, dissemination and other operational needs therefore if there is a paralysis in Central Jakarta operations, Bali operations will automatically take over.

The initial plan for this activity is in the existing IDRIP administrative documentation, both in the RC (Readiness Criteria), POM (Project Operation Manual), PAD (Project Appraisal Document) and other documents, the diction for the construction activities of the two buildings used is renovation, therefore in general the scope of its activities is to carry out renovations to existing buildings to meet the needs. Following up on this, BMKG intends to organize an independent professional consultant to be able to carry out environmental and social risk screening of BMKG building construction activities, especially environmental and social risks if the IDRIP construction activities are carried out by implementing the construction of a new building, of course with attention to the demolition and construction of two good buildings in Jakarta and Bali. The results from the environmental and social risk screening of a new building construction activities in InaTEWS OPERATIONAL SYSTEM DEVELOPMENT (BUILDING) will justify the level of risk which will occur, whether it remains in the low and moderate categories or increases to substantial or high.

Apart from that, it also conveys recommendations for further risk management efforts through the need for the preparation of relevant environmental and social documents such as AMDAL documents, UKL-UPL, SPPL or other documents according to the guidelines determined by the Environmental and Social Management Framework (ESMF) document therefore -InaTEWS OPERATIONAL SYSTEM DEVELOPMENT (BUILDING) activities, including demolition and building construction, can be carried out through good environmental and social risk management, and can be completed

according to the institution's targets.

## II. Objective of Assignment

The purpose of the Environmental and Social Risk Screening Individual Consultant Services, is to assist and support BMKG in carrying out InaTEWS OPERATIONAL SYSTEM DEVELOPMENT (BUILDING) activities by carrying out environmental and social risk screening by referring to the ESMF document which includes recommendations for risk management efforts that must be met.

## III. Location

The development activities for the two InaTEWS buildings are provided in the following table, while for procurement, sensor upgrading and shelter repair activities are in several locations around Indonesia.

NO	LOCATION	ADDRESS	NOTE
1	Jakarta	Kantor BMKG Pusat Jakarta, Jl. Angkasa I no.2, Kemayoran Jakarta Pusat	<ul style="list-style-type: none"><li>• Central BMKG Office</li><li>• Total area <math>\pm</math> 3 ha</li><li>• Owned by BMKG</li></ul>
2	Bali	Kantor Balai Besar BMKG Wilayah III Denpasar, Jl. Raya Tuban, Kuta	<ul style="list-style-type: none"><li>• BMKG Regional III Offices</li><li>• Total area <math>\pm</math> 6.000m<sup>2</sup></li><li>• Owned by BMKG</li></ul>



Figure 1. Location of the InaTEWS Operational System Development Activity, Jakarta



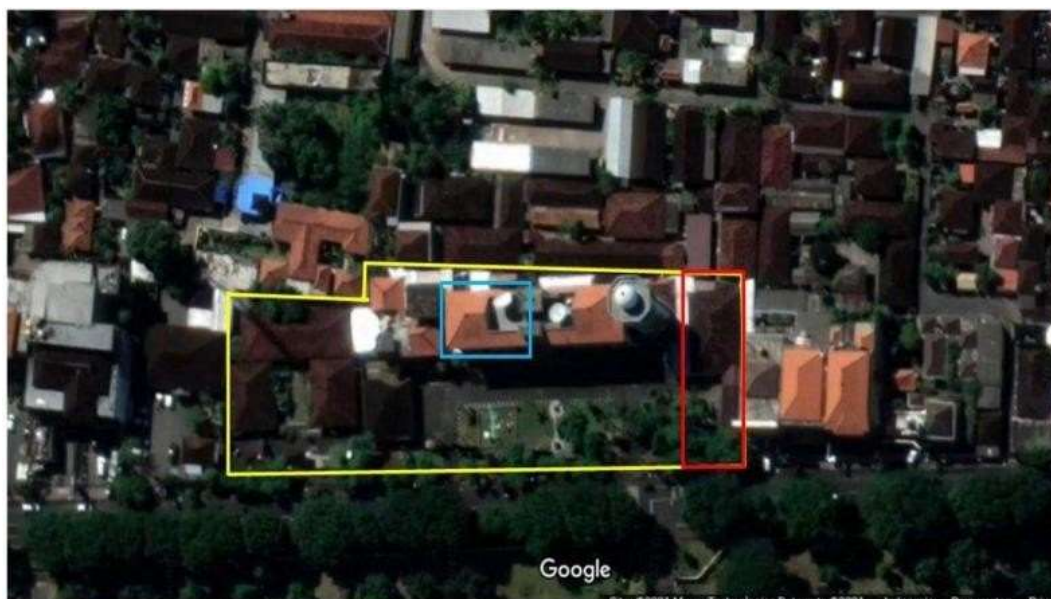


Figure 2. Location of the InaTEWS Operational System Development Activity in PGR III, Bali

#### **IV. Sources of funding**

The source of funding for this consulting service activity is financed by the World Bank's Foreign Loans.

#### **V. Name and Organization of Committing Officer**

Commitment Making Officer : PPK InaTEWS Operational System Development (Building).  
Working Unit : Earthquake and Tsunami Center  
Project Implementation Unit (PIU) : General Affair and HR Bureau

#### **VI. Legal Reference**

Legal references are as follows:

1. Law Number 31 of 2009 concerning the Meteorology, Climatology and Geophysics Agency;
2. Government Regulation Number 16 of 2021 concerning Implementing Regulations of Law Number 28 of 2002 concerning Buildings;
3. Regulation of the Minister of Public Works for People's Housing Number 22/PRT/M/2018 concerning the Construction of State Buildings;
4. Regulation of the Meteorology, Climatology and Geophysics Agency Number 5 of

- 2020 concerning the Organization and Work Procedure of the BMKG;
5. Meteorology, Climatology and Geophysics Agency Regulation Number 4 of 2018 concerning Details of Tasks of Work Units at BMKG Headquarters;
  6. IDRIP administration documents, Readiness Criteria, Project Operation Manual, Project Appraisal Document, Environment Social Management Framework and Loan Agreement;
  7. INKINDO Minimum Standard Guidelines 2021.
  8. Government Regulation no. 16 of 2021 concerning Implementing Regulations of Law Number 28 of 2002 concerning Buildings.
  9. PUPR Ministerial Decree No. 22 of 2018 concerning the Construction of the State Building.
  10. PUPR Ministerial Decree No. 02/PRT/M/2015 regarding Green Building.
  11. SNI 1727-2020 concerning minimum design loads, related criteria for building and other structures.

## **VII. Scope of Work**

1. Learning and understanding the provisions and criteria for environmental and social risk screening according to the IDRIP ESMF document.
2. Conduct mapping of national and local regulations related to the environment and social which must be acquired both in Jakarta and Bali, as well as other relevant activity locations.
3. Conduct data and information searches using survey / interview methods as well as virtual methods for renovation or building construction needs in order to obtain an estimate of the risks that may arise from the environmental and social side and public health (for example the risk of hazardous and toxic waste materials such as asbestos, electronic waste from demolition, old buildings, the risk of gender-based violence in construction activities, the risk of accidents and work safety, the health of employees and the surrounding community which may be affected by demolition activities as well as the mobilization of materials and equipment, etc.).
4. Document the potential risks of the proposed activities, including documentation of consultations with relevant stakeholders, administrative completeness (land ownership documents), and measures to avoid and mitigate the risks and potential impacts identified.
5. Conduct gradual coordination with users and also the World Bank regarding the discussion of environmental and social risks.
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7. Develop a framework of reference (TOR) for the preparation of environmental documents required for activities based on the risk screening which has been

carried out.

8. In carrying out all these scopes of work, one must first coordinate with the BMKG and PPK Building Needs Assessment Consultants, and obtain approval from the PPK.
9. Data, information, regulations and other administrative matters must be properly documented. Data and information obtained through survey results, interviews and meetings requires a list of names and signatures of participants.

## **VIII. Personnel**

### **1. Administration Qualification**

- a. Holds an Indonesian Citizen ID card
- b. Holds an appropriate tax identification number (NPWP)
- c. Submits a statement letter:
  - 1) Have a good understanding of environmental and social guidelines and practices as a consequence of demolition and building construction activities.
  - 2) Have a good understanding of the environmental and social guidelines standards applied by the World Bank.
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### **2. Technical qualification**

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- b. Minimum 5 (five) years of professional experience in the field of construction planning risk screening with environmental management duty.
- c. Possess an Environmental/Waste/Sanitation Expert SKA or risk-based project management/management Expert, proven by a certificate of expertise.

## **IX. Facilities**

In carrying out their duties, individual consultants are able to use the workspace close to the PPK workspace at the BMKG office and also use the virtual meeting method.

## **X. Output / Product**

Individual consultants must provide work results in the form of, but not limited to:

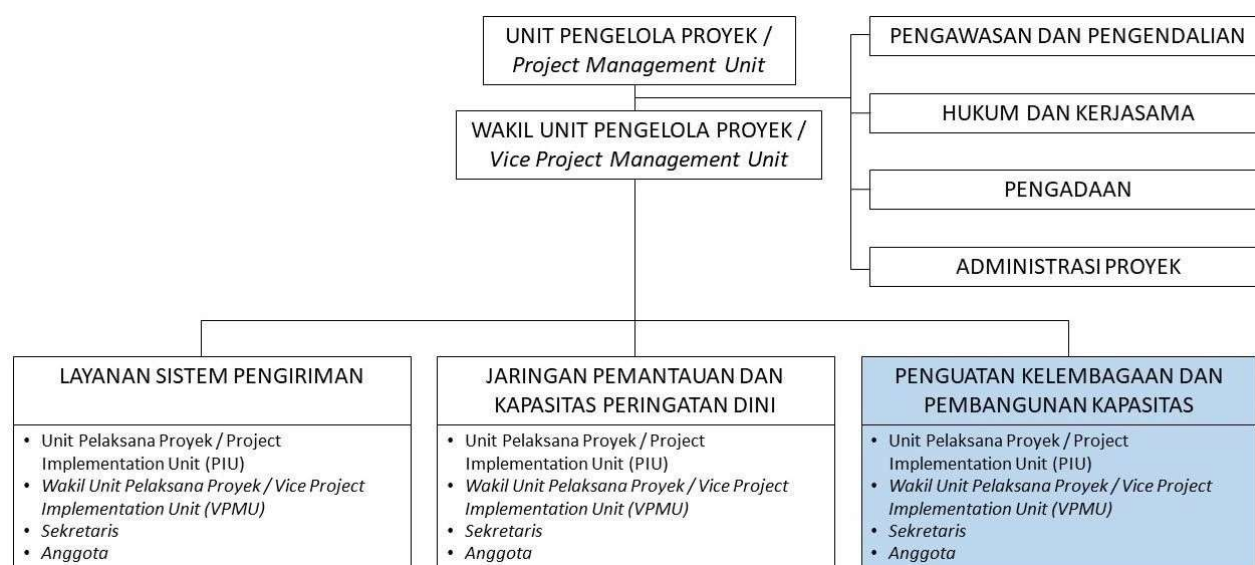
1. Documentation and reports of survey results / interviews from users of echelon 1 officials, echelon 2 officials, project directors, PIUs, echelon 3 officials or field coordinator levels, echelon 4 officials or sub-coordinator level fields and implementing or staff levels related to building construction new are well laid out.
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1. Background.
2. Legal basis
3. World Bank standard environmental and social basis.
4. BMKG requirements and essential conditions.
5. Condition of the existing building (technically).
6. Consideration of the Environmental and Social Risks arisen.
7. A study between the construction of new buildings with each risk category
8. Recommendations.
9. Documentation photos.

## XI. Organizational structure

The individual consultant will work under the following organizational structure and report the results of his work to the VPMU in stages from KDP to PIU and to the Project Director. Construction activities are under the components of INSTITUTIONAL STRENGTHENING AND CAPACITY DEVELOPMENT, under the control of the Head of the General Bureau and HR as PIU.



## XII. Indicative Time Period and Work Implementation Schedule

In the work implementing, 3 (three) months from the date of appointment is given, and it is also possible if the outputs are able to be completed quicker with the approval of the PPK as shown in the following table. The implementation period and schedule can be re-adjusted (updated) according to the needs and conditions in the field.

NO	ACTIVITY	1st MONTH				2nd MONTH				3rd MONTH			
		1	2	3	4	1	2	3	4	1	2	3	4
1	Initial coordination with KDP, IDRIP Secretariat, PIU and Project Director.												
2	Preparation of survey and interview paperwork.												
3	Data collecting related to BMKG needs for environmental and social risks.												
4	Government and World Bank Regulatory data collecting related to environmental and social risks.												
5	Preparation of initial screening documents related to environmental and social risk.												
6	Coordination of the results related to initial screening documents for environmental and social risks.												
7	Revision of initial screening documents and additional data collection.												
8	Preparation of the final screening document related to risk environmental and social.												
9	Coordination of final screening document results and technical recommendation steps for avoidance and risk reduction.												
10	Preparation of KAK document for environmental documents drafting consultant.												
11	Final report												