

GENERAL INFORMATION

Title: Technical Support specialist for MRV GHG Emission in Power Sector Project Name: Partnership for Market Readiness Indonesia Reports to: PMR National Project Manager Duty Station: Office-based Expected Places of Travel (if applicable): Bogor, Bandung, Surabaya, and Serpong districts Duration of Assignment: June 2018 – December 2018 (130 working days)

REQUIRED DOCUMENT FROM HIRING UNIT

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Х	TERMS OF REFERENCE	
	CONFIRMATION OF CATE	GORY OF LOCAL CONSULTANT, please select :
	(1)	Junior Consultant
	(2)	Support Consultant
3	(3)	Support Specialist
	(4)	Senior Specialist
	(5)	Expert/ Advisor
	CATEGORY OF INTERNAT	IONAL CONSULTANT, please select :
	(6)	Junior Specialist
	(7)	Specialist
	(8)	Senior Specialist
	ADDDOV/ED a requisition	

x APPROVED e-requisition

REQUIRED DOCUMENTATION FROM CONSULTANT

- x Duly signed P11 with three referees
- x Copy of education certificate
- x Completed technical proposal
- x Completed financial proposal

Need for presence of IC consultant in office:

partial (explain)

Intermittent (explain)

Sfull time/office based (needs justification from the Requesting Unit) The consultant will support the daily work of Power Working Group in coordination with the Technical Officer for Power Sector. Therefore, s/he is needed in full time/office based.

Provision of Support Services:

Office space:	⊠Yes	□No
Equipment (laptop etc):	☐Yes	⊠No
Secretarial Services	☐Yes	⊠No
If yos has been sheeked indicate	horowho	will be

If yes has been checked, indicate here who will be responsible for providing the support services:

I. BACKGROUND

Climate change is an important issue in Indonesia. The country consists of thousands of islands with lowlying coastal areas liable to floods as well as arid lands and a fragile mountainous ecosystem. The country's GHG emissions is large and continuing to increase rapidly not only because of a growing population, but also the increasing growth rate of the economy. Indonesia continues to actively participate in international negotiations on formulating effective efforts in combating global GHG emissions. In 2016, Indonesia has published the first National Determined Contribution (NDC) and ratified the Paris Agreement under Law No.16 Year 2016, which has set unconditional reduction target of 29% and conditional reduction target up to 41 % of the business as usual (BAU) scenario by 2030. The BAU scenario is projected to be approximately 2.869 GtCO₂e in 2030.

One of the biggest challenge to achieve the emission reduction target is funding. Government budget alone will not be sufficient to ensure deliverance of the NDC target. Government needs to leverage the private and public participations to scale up the mitigation actions, which could be done by utilizing market-based instruments. An MBI will work by putting economic value on every unit of emission reduction, either directly as carbon pricing or indirectly as through a carbon crediting mechanism. The Paris Agreement recognizes this need by providing references to link global ambition target of GHG emission reduction to market-based approaches. In its NDC, Indonesia welcomes this concept of scaling-up national mitigation efforts by facilitating a market-based approach to incentive emission reduction within developing countries, or between developed and developing countries.

Partnership for Market Readiness project background

The Partnership for Market Readiness (PMR) is a platform designed to specifically help countries prepare for market-based policy choices and future implementation. As a PMR implementing country, Indonesia developed a Market Readiness Proposal (MRP), which was endorsed by the PMR's 7th Partnership Assembly meeting in Marrakech on October 22-23, 2013.

The World Bank, through the PMR project, provides funding for the implementation of the MRP, and the UNDP Indonesia Country Office has been appointed as the delivery agent responsible for project implementation. The Coordinating Ministry of Economic Affairs is the main government counterpart. Other key government stakeholders are the Ministry of Environment and Forestry (KLHK), the Ministry of Energy and Mineral Resources (ESDM), the Ministry of Industry (MOI), the Ministry of Finance, as well as the state-owned electricity state-owned enterprise, PLN and industry associations.

The ultimate project aims to support the government to determine an appropriate market-based instrument (MBI) to reduce GHG emissions. This will be achieved through activities which is categorized in five different components, as follow:

- Component 1. Profiling emissions in the power and industry;
- Component 2. Design of governance aspects of an MRV system;
- Component 3. Piloting an MRV system;
- Component 4. Development of a market-based instrument framework;
- Component 5. Organization, communication, consultation and engagement.

To support the implementation of the activities, CMEA has formed three working groups, namely Power Working Group, Industry Working Group, and Market-based Instrument Working Group. The power WG coordinates all activities related with power sector. The power working group is coordinated by Directorate of Technical and Environment of Electricity, Directorate General of Electricity, Ministry of Energy and Mineral Resources. The members of power working group are representative from relevant Directorates of MEMR, PT. PLN (Persero), Association of Independent Power Producer Indonesia, and CMEA.

Context of this TOR

Under the umbrella of component 2 and 3, Power Working Group is currently developing guideline for measurement and reporting GHG emission, developing an online reporting system, and drafting regulation for mandatory reporting system. It is planned there will be piloting of MRV GHG emission in JAMALI electricity interconnection grid in 2018. To support the development and piloting of MRV GHG emission, as well as to support day-to-day coordination between PMR and Power Working Group members, Power Working Group need to hire MRV Technical Support Specialist. In coordination with Technical Officer for Power Working Group, the consultant shall ensure smooth activities implementation.

II. SCOPE OF WORK, ACTIVITIES AND DELIVERABLES

Under the overall guidance and supervision of the National Project Manager – PMR Indonesia, the consultant is expected to accomplish the following:

- Provide technical support for the development of guideline for measurement and reporting GHG emission from power generation sector;
- Provide technical support for the development of online GHG reporting system for power generation sector;
- Provide technical support to the Power WG in development of relevant draft MRV regulation of mandatory reporting system for power generation sector;
- Provide technical support to the Power WG in the preparation and implementation of piloting of MRV GHG emission in the selected area;
- Provide technical support to the Power WG in developing further documents and guidelines as necessary in order to improve MRV GHG emission system for power sector;
- Involve in coordination meetings, technical meetings, forums and other relevant events;
- Produce documentation/report of discussion or meetings/workshops organized by Power Working Group;
- Maintain good flow communication and information with power WG members, team of technical experts, as well as relevant stakeholders, and establish mutual trust and partnership to support implementation of activities;
- Provide other technical supports regarding the development and piloting of GHG emission from power generation sector.

Expected Outputs and Deliverables

The consultant is expected to deliver the following:

No		Deliverables/ Outputs	Estimated number of working days	Completion deadline	Review and Approvals Required
1.	•	Report of technical support on development of guideline and online MRV GHG emission reporting system for power generation sector.	27 days	31 July 2018	PMR NPM and PMR Technical Officer for Power WG
2.	•	Report of developing necessary documents and guidelines in order to improve MRV system for power generation sector.	21 days	31 August 2018	PMR NPM and PMR Technical Officer for Power WG
3.	•	Report on preparation of piloting MRV GHG emission for power generation sector.	19 days	28 September 2018	PMR NPM and PMR Technical Officer for Power WG
4.	•	Report of technical support on the development draft regulation on MRV system for power generation sector.	23 days	31 October 2018	PMR NPM and PMR Technical Officer for Power WG
5.	•	Report of technical support on implementation of piloting MRV GHG emission from power generation sector	21 days	30 November 2018	PMR NPM and PMR Technical Officer for Power WG

6.	•	Report on training/workshop/meeting in relation to the development and piloting MRV GHG emission from power generation sector	19 days	31 December 2018	PMR NPM and PMR Technical Officer for Power WG
		Total	130 days		

III. WORKING ARRANGEMENTS

Institutional Arrangement

- The consultant will carry out his/her functions under the direct supervision of PMR National Project Manager and PMR Technical Officer for Power Working Group, and will coordinate closely with Power WG and other relevant stakeholders.
- Any other tasks that are not included above but during the assignment period later deemed important to ensure the quality of the deliverables could be proposed by the incumbent and shall be agreed jointly.

Duration of the Works

The duration of this work is expectedly for 6 months with total of 130 working days and could be extended depend on the need of the Power Working Group as well as the satisfactory of consultant's performance.

The consultant will perform his/her assignment with the following timeline:

- The expected effective working date is started on 25th June 2018;
- He/she should submit the deliverables at least 3 days before the deadlines specified in contract to enable the project undertaking proper review;
- Delay on submitting report will impact on the completion of works and release of payment.

Duty Station

The consultant is stationed in PMR office, Jakarta.

Travel Plan

Below is an indicative travel plan for the duration of the assignment. The Consultant will be required to travel to the below indicated destinations and **include the relevant travelling and accommodation 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.

No	Destination	Frequency	Duration/Days
1	Bogor	6	12
2	Bandung	2	4
3	Serpong	4	-
4	Surabaya	2	4

IV. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

Academic Qualifications:

• Bachelor's degree in environmental engineering, environmental management, or environmental science.

Years of experience:

- Minimum 3 years of professional experience working in climate change and environment issues;
- Have professional experiences of direct engagement in issues related with national GHG Inventory & MRV, and mitigation action development;
- Have professional experiences in working with Government of Indonesia (especially with Ministry of Energy and Mineral Resources (i.e. Directorate General of Electricity, and Directorate General of New Renewable Energy and Energy Conservation), and Ministry of Environment and Forestry), familiar with Government of Indonesia structure, and/or have professional experiences in working with international donors;
- Have professional experiences in developing climate change related documents, especially related to GHG Inventory & MRV, and mitigation action from power sector;

Other Competencies and special skills requirement:

- Language skills: excellent spoken and written in English and Bahasa Indonesia;
- Good interpersonal and communication skills, with the ability to effectively interact with people in a multi-disciplinary and multi-cultural environment;
- Demonstrated ability to take initiative and work independently while also having the skills and interests to work effectively within teams;
- Confidence and comfortable to liaise and communicate with senior government officials and management level of companies.

V. EVELUATION METHOD AND CRITERIA

Individual consultants will be evaluated based on the following methodologies:

<u>Cumulative analysis</u>

When using this weighted average method, the award of the contract will 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 (70%)	100	100
Criteria A: qualification requirements as per TOR:	70	
1. Bachelor's degree in environmental engineering,		10
environmental management, or environmental science.		
2. Minimum 3 years of professional experience working in		
climate change and environment issues.		10
3. Have professional experiences of direct engagement in		10
issues related with national GHG Inventory & MRV, and		

mitigation action development.		15	
4. Have professional experiences in working with		-	
government (ocnocially with Ministry of Energy and			
government (especially with winnstry of Energy and			
Mineral Resources) and familiar with Government of		10	
Indonesia structure.			
5. Have professional experiences in developing climate			
change related documents, especially related to GHG			
Inventory & MRV, and mitigation action from power			
sector.		15	
6. Have professional experiences in working with UN/UNDP			
procedures and familiar with UNDP development projects			
in Indonesia would be highly desirable.		10	
Criteria B: Brief Description of Approach to Assignment	30		
1. Comprehensiveness : have the important aspects of the task been addressed in sufficient detail?		10	
 Suitability: is the scope of task well defined and does it correspond to the TOR? 		10	
 Clarity and logic: is the presentation clear and is the sequence of activities and the planning logical, realistic and promise efficient implementation to the project? 		10	
Financial Criteria (30%)			