

**BRAZIL****CLIMATE CHANGE AND SUSTAINABILITY DIVISION (INE/CCS)****ASSESSMENT OF MEASUREMENT, REPORTING AND VERIFICATION (MRV) SYSTEMS****BR-T1310****TERMS OF REFERENCE****I. Background**

- 1.1 Due to the global financial and economic crisis, access to capital became more difficult, discouraging investments in general, including investments in low-greenhouse gas (GHG) emissions initiatives. In spite of that, and to prevent dangerous anthropogenic interference with the climate system, the United Nations Framework Convention on Climate Change (UNFCCC) has agreed that actions must be taken to keep global temperature rise below 2 degrees Celsius (2°C) above the preindustrial level. Meeting the 2°C target requires significant global efforts to reduce the GHG emissions that demand support to fully implement the needed mitigation policies in a constant and consistent manner.
- 1.2 To contribute with the global efforts, Brazil has approved the Law 12.187/2009 that adopts a national voluntary commitment with a view to reduce its projected emissions for 2020 by 36.1% and 38.9%. To achieve its commitment Brazil has defined a series of actions and sectoral plans that were communicated to the UNFCCC. Those actions will demand a substantial amount of funding. In Brazil, the main fund to support mitigation actions is the National Fund on Climate Change (*Fundo Clima*).
- 1.3 When the Fund was established –in 2009, its main source of funds was a fraction of the revenues from the oil industry –a specific, legally-bounded percentage was transferred to the Ministry of Environment, making *Fundo Clima* a pioneer case. However, after a long public debate, the rules about the revenue transfers from the oil industry were changed and *Fundo Clima* will need to compete for resources of the new Oil Social Fund. This means that *Fundo Clima* will have to seek for additional sources to fulfill its increasing demands for mitigation funding.
- 1.4 In parallel, under UNFCCC (2012 & 2013) Brazil had agreed with international measurement, reporting and verification (MRV) frameworks to increase transparency on the implementation of its voluntary actions. During the last five years *Fundo Clima* was able to disburse more than BRL\$600 million, using an unassuming MRV system to monitor the mitigation results of relevant projects.
- 1.5 The context considered above indicates an increasing need to integrate climate finance and mitigation performance-based results in Brazil to make low-emission investment decisions in a sustainable way.
- 1.6 The objective of the Technical Cooperation (TC) this consultancy is associated with, is to support the Brazilian Government (GoB), through the Ministry of Environment (MMA), to improve the efficiency and effectiveness of the funding for mitigation actions in Brazil. This objective is expected to be achieved through the following activities: (i) assessing the current financial arrangements and MRV systems used by Brazil and *Fundo Clima* in comparison with international best practices and

UNFCCC MRV requirements; (ii) assessing needs and gaps from financial commitments, domestic mitigation actions and contributions assumed by Brazil and by other relevant countries (pre-2020 and post-2020) and; (iii) preparing a full proposal for raising funds to develop complementary actions to this TC.

## **II. Consultancy objectives**

- 2.1 The objective of the consultancy is to assess MRV systems used in Brazil for *Fundo Clima* and make a comparison with best practices used for other funds in Brazil and in other countries.
- 2.2 Specifically, the Consultant will be responsible for:
  - a. Literature review and field research.
  - b. Participating in at least one workshop.
  - c. Elaborating a full publication with a synthesis of results.

## **III. Main activities**

- 3.1 The consultant will work closely and in coordination with the climate change specialist responsible for the project at IDB as well as with the MMA team to accomplish the activities below:

### **A. MRV systems assessment**

- 3.2 Review of scientific and non-scientific literature.
- 3.3 Field research (interviews with key stakeholders that could provide relevant information).
- 3.4 Set a database correlating MRV systems used in Brazil and best practices of other countries.
- 3.5 Writing of report about research results.
- 3.6 Communicating the research outcomes to the team involved in the TC and to stakeholders during workshop(s).

### **B. Participation in workshops**

- 3.7 Helping with the organization and participating in at least one workshop with experts to discuss MRV systems and possibilities of improving the ones used by the GoB.
- 3.8 Writing of report about the workshop.
- 3.9 Participating in other workshops on the subject of this consultancy if necessary.

### **C. Publication**

- 3.10 Compilation of research and workshop(s) results in a publication.

## **IV. Deliverables**

- 4.1 The consultant will deliver the following products:
  - a. Product 1: Workplan detailing timings and strategies that will be adopted in order to deliver the final product of this consultancy.

- b. Product 2: Report about results of the assessment on MRV Systems, comparing systems used for *Fundo Clima* with best practices used for other funds in Brazil and in other countries.
- c. Product 3: PowerPoint for presentation of results in workshop(s).
- d. Product 4: Report about results of workshop(s).
- e. Product 5: Publication including results of the assessment and of the workshop(s), providing a guideline for improving MRV systems used by the GoB, especially for *Fundo Clima*.

## **V. Payments**

- 5.1 The consultant will be paid for the consulting services provided in connection with this assignment according to the following schedule:
  - a. 10% upon delivery and approval by the IDB of a workplan by the consultant (Product 1).
  - b. 25% upon delivery and approval by the IDB of a report about the assessment on MRV systems (Product 2).
  - c. 25% upon delivery and approval by the IDB of a report about the workshop on MRV systems (Products 3 and 4).
  - d. 40% upon delivery and approval by the IDB of the synthesis (assessment and workshop results) publication (Product 5).
- 5.2 The documents and other materials will be written in Portuguese and submitted in digital format (Microsoft Office 2007 or higher or PDF).

## **VI. Characteristics of the assignment**

- a. Type of Consultancy: Individual Consultant.
- b. Term of Contract: 300 days.
- c. Place of work: Brasília, Brazil.
- d. Traveling: Travels will be previously agreed and authorized by the climate change specialist, coordinator of the TC at IDB.

## **VII. Qualifications**

- a. Degrees: Graduate and/or master's degrees in monitoring and evaluation, or environmental sciences; experience on climate change policies and MRV systems; good networking with Brazilian and international research groups on the topic. PhD would be a plus.
- b. Language: English and Portuguese
- c. Area of Expertise: Climate change and MRV systems.
- d. Excellent writing and oral/written communication ability; proven ability to communicate complex concepts and prepare clear, concise and meaningful reports.

**BRAZIL****CLIMATE CHANGE AND SUSTAINABILITY DIVISION (INE/CCS)****ASSESSMENT OF FINANCIAL ARRANGEMENTS****BR-T1310****TERMS OF REFERENCE****I. Background**

- 1.1 Due to the global financial and economic crisis, access to capital became more difficult, discouraging investments in general, including investments in low-greenhouse gas (GHG) emissions initiatives. In spite of that, and to prevent dangerous anthropogenic interference with the climate system, the United Nations Framework Convention on Climate Change (UNFCCC) has agreed that actions must be taken to keep global temperature rise below 2 degrees Celsius (2°C) above the preindustrial level. Meeting the 2°C target requires significant global efforts to reduce the GHG emissions that demand support to fully implement the needed mitigation policies in a constant and consistent manner.
- 1.2 To contribute with the global efforts, Brazil has approved the Law 12.187/2009 that adopts a national voluntary commitment with a view to reduce its projected emissions for 2020 by 36.1% and 38.9%. To achieve its commitment Brazil has defined a series of actions and sectoral plans that were communicated to the UNFCCC. Those actions will demand a substantial amount of funding. In Brazil, the main fund to support mitigation actions is the National Fund on Climate Change (*Fundo Clima*).
- 1.3 When the Fund was established –in 2009, its main source of funds was a fraction of the revenues from the oil industry –a specific, legally-bounded percentage was transferred to the Ministry of Environment, making *Fundo Clima* a pioneer case. However, after a long public debate, the rules about the revenue transfers from the oil industry were changed and *Fundo Clima* will need to compete for resources of the new Oil Social Fund. This means that *Fundo Clima* will have to seek for additional sources to fulfill its increasing demands for mitigation funding.
- 1.4 In parallel, under UNFCCC (2012 & 2013) Brazil had agreed with international measurement, reporting and verification (MRV) frameworks to increase transparency on the implementation of its voluntary actions. During the last five years *Fundo Clima* was able to disburse more than BRL\$600 million, using an unassuming MRV system to monitor the mitigation results of relevant projects.
- 1.5 The context considered above indicates an increasing need to integrate climate finance and mitigation performance-based results in Brazil to make low-emission investment decisions in a sustainable way.
- 1.6 The objective of the Technical Cooperation (TC) this consultancy is associated with, is to support the Brazilian Government (GoB), through the Ministry of Environment (MMA), to improve the efficiency and effectiveness of the funding for mitigation actions in Brazil. This objective is expected to be achieved through the following activities: (i) assessing the current financial arrangements and MRV systems used by Brazil and *Fundo Clima* in comparison with international best practices and

UNFCCC MRV requirements; (ii) assessing needs and gaps from financial commitments, domestic mitigation actions and contributions assumed by Brazil and by other relevant countries (pre-2020 and post-2020) and; (iii) preparing a full proposal for raising funds to develop complementary actions to this TC.

## **II. Objective**

- 2.1 The objective of the consultancy is to assess financial arrangements used in Brazil for Fundo Clima and make a comparison with best practices used for other funds in Brazil and in other countries.
- 2.2 Specifically, the Consultant will be responsible for:
  - a. Literature review and field research.
  - b. Participating in at least one workshop.
  - c. Elaborating a full publication with a synthesis of results.

## **III. Main activities**

- 3.1 The consultant will work closely and in coordination with the climate change specialist responsible for the project at IDB as well as with the MMA team to accomplish the activities below:

### **A. Financial arrangements assessment**

- 3.2 Review of scientific and non-scientific literature.
- 3.3 Field research (interviews with key stakeholders that could provide relevant information).
- 3.4 Set a database correlating financial arrangements used in Brazil and best practices of other countries.
- 3.5 Writing of report about research results.
- 3.6 Communicating the research outcomes to the team involved in the TC and to stakeholders during workshop(s).

### **B. Participation in workshops**

- 3.7 Helping with the organization and participating in at least one workshop with experts to discuss climate finance and possibilities of improving financial arrangements used by the GoB.
- 3.8 Writing of report about the workshop.
- 3.9 Participating in other workshops on the subject of this consultancy if necessary.

### **C. Publication**

- 3.10 Compilation of research and workshop(s) results in a publication.

## **IV. Deliverables**

- 4.1 The consultant will deliver the following products:

- a. Product 1: Workplan detailing timings and strategies that will be adopted in order to deliver the final product of this consultancy.
- b. Product 2: Report about results of the assessment on financial arrangements, comparing the ones used for *Fundo Clima* with best practices used for other funds in Brazil and in other countries.
- c. Product 3: PowerPoint for presentation of assessment results in workshop(s).
- d. Product 4: Report about results of the workshop(s).
- e. Product 5: Publication including results of the assessment and of the workshop(s), providing a guideline for improving the financial arrangements used by the GoB, **especially for Fundo Clima.**

## V. Payments

- 5.1 The consultant will be paid for the consulting services provided in connection with this assignment according to the following schedule:
  - a. 10% upon delivery and approval by the IDB of a workplan by the consultant (Product 1).
  - b. 25% upon delivery and approval by the IDB of a report about the assessment on financial arrangements (Product 2).
  - c. 25% upon delivery and approval by the IDB of a report about the workshop on climate finance (Products 3 and 4).
  - d. 40% upon delivery and approval by the IDB of the synthesis (assessment and workshop results) publication (Product 5).
- 5.2 The documents and other materials will be written in Portuguese and submitted in digital format (Microsoft Office 2007 or higher or PDF).

## VI. Characteristics of the assignment

- 6.1 Type of Consultancy: Individual Consultant.
- 6.2 Term of Contract: 300 days.
- 6.3 Place of work: Brasília, Brazil.
- 6.4 Traveling: Travels will be previously agreed and authorized by the climate change specialist, coordinator of the TC at IDB.

## VII. Qualifications

- 7.1 Degrees: Graduate and/or master's degrees in environmental sciences, or economy; experience on climate change policies and climate finance; good networking with Brazilian and international research groups on the topic. PhD would be a plus.
- 7.2 Language: English and Portuguese
- 7.3 Area of Expertise: Climate finance.
- 7.4 Excellent writing and oral/written communication ability; proven ability to communicate complex concepts and prepare clear, concise and meaningful reports.

**BRAZIL****CLIMATE CHANGE AND SUSTAINABILITY DIVISION (INE/CCS)****ASSESSMENT OF NEEDS AND GAPS OF ACTIONS AND CONTRIBUTIONS ASSUMED BY BRAZIL AND OTHER COUNTRIES FOR THE PERIOD PRE-2020 AND POST-2020****BR-T1310****TERMS OF REFERENCE****I. Background**

- 1.1 Due to the global financial and economic crisis, access to capital became more difficult, discouraging investments in general, including investments in low-greenhouse gas (GHG) emissions initiatives. In spite of that, and to prevent dangerous anthropogenic interference with the climate system, the United Nations Framework Convention on Climate Change (UNFCCC) has agreed that actions must be taken to keep global temperature rise below 2 degrees Celsius (2°C) above the preindustrial level. Meeting the 2°C target requires significant global efforts to reduce the GHG emissions that demand support to fully implement the needed mitigation policies in a constant and consistent manner.
- 1.2 To contribute with the global efforts, Brazil has approved the Law 12.187/2009 that adopts a national voluntary commitment with a view to reduce its projected emissions for 2020 by 36.1% and 38.9%. To achieve its commitment Brazil has defined a series of actions and sectoral plans that were communicated to the UNFCCC. Those actions will demand a substantial amount of funding. In Brazil, the main fund to support mitigation actions is the National Fund on Climate Change (*Fundo Clima*).
- 1.3 When the Fund was established –in 2009, its main source of funds was a fraction of the revenues from the oil industry –a specific, legally-bounded percentage was transferred to the Ministry of Environment, making *Fundo Clima* a pioneer case. However, after a long public debate, the rules about the revenue transfers from the oil industry were changed and *Fundo Clima* will need to compete for resources of the new Oil Social Fund. This means that *Fundo Clima* will have to seek for additional sources to fulfill its increasing demands for mitigation funding.
- 1.4 In parallel, under UNFCCC (2012 & 2013) Brazil had agreed with international measurement, reporting and verification (MRV) frameworks to increase transparency on the implementation of its voluntary actions. During the last five years *Fundo Clima* was able to disburse more than BRL\$600 million, using an unassuming MRV system to monitor the mitigation results of relevant projects.
- 1.5 The context considered above indicates an increasing need to integrate climate finance and mitigation performance-based results in Brazil to make low-emission investment decisions in a sustainable way.
- 1.6 The objective of the Technical Cooperation (TC) this consultancy is associated with, is to support the Brazilian Government (GoB), through the Ministry of Environment (MMA), to improve the efficiency and effectiveness of the funding for mitigation actions in Brazil. This objective is expected to be achieved through the following activities: (i) assessing the current financial arrangements and MRV systems used by

Brazil and *Fundo Clima* in comparison with international best practices and UNFCCC MRV requirements; (ii) assessing needs and gaps from financial commitments, domestic mitigation actions and contributions assumed by Brazil and by other relevant countries (pre-2020 and post-2020) and; (iii) preparing a full proposal for raising funds to develop complementary actions to this TC.

## **II. Objective**

- 2.1 The objective of the consultancy is to assess the needs and gaps of actions and contributions that were assumed by Brazil and other by countries for the period of pre-2020 and post-2020.
- 2.2 Specifically, the Consultant will be responsible for:
  - a. Literature review and field research.
  - b. Participating in at least one workshop.
  - c. Elaborating a full publication with a synthesis of results.

## **III. Main activities**

- 3.1 The consultant will work closely and in coordination with the climate change specialist responsible for the project at IDB as well as with the MMA team to accomplish the activities below:
  - A. Assessment of actions and contributions assumed by Brazil and other countries**
  - 3.2 Review of scientific and non-scientific literature.
  - 3.3 Field research (interviews with key stakeholders that could provide relevant information).
  - 3.4 Set a database correlating actions and contributions assumed by Brazil and other countries referring to the period of pre-2020 and post-2020.
  - 3.5 Writing of report about research results.
  - 3.6 Communicating the research outcomes to the team involved in the TC and to stakeholders during workshop(s).
  - B. Participation in workshops**
  - 3.7 Helping with the organization and participating in at least one workshop with experts to discuss climate mitigation and gaps of actions and contributions assumed by Brazil and other countries referring to the period of pre-2020 and post-2020.
  - 3.8 Writing of report about the workshop.
  - 3.9 Participating in other workshops on the subject of this consultancy if necessary.
  - C. Publication**
  - 3.10 Compilation of research and workshop(s) results in a publication.

## **IV. Deliverables**

- 4.1 The consultant will deliver the following products:

- a. Product 1: Workplan detailing timings and strategies that will be adopted in order to deliver the final product of this consultancy.
- b. Product 2: Report about results of the assessment of actions and contributions assumed by Brazil and other countries referring to the period of pre-2020 and post-2020, in order to put in evidence needs and gaps.
- c. Product 3: PowerPoint for presentation of assessment results in workshop(s).
- d. Product 4: Report about results of the workshop(s).
- e. Product 5: Publication including results of the assessment and of the workshop(s), providing an overview of the needs and gaps of actions and contributions assumed by Brazil and other countries referring to the period of pre-2020 and post-2020.

## **V. Payments**

- 5.1 The consultant will be paid for the consulting services provided in connection with this assignment according to the following schedule:
  - a. 10% upon delivery and approval by the IDB of a workplan by the consultant (Product 1).
  - b. 25% upon delivery and approval by the IDB of a report about the assessment on needs and gaps of actions and contributions assumed by Brazil and other countries referring to the period of pre-2020 and post-2020 (Product 2).
  - c. 25% upon delivery and approval by the IDB of a report about the workshop (Products 3 and 4).
  - d. 40% upon delivery and approval by the IDB of the synthesis (assessment and workshop results) publication (Product 5).
- 5.2 The documents and other materials will be written in Portuguese and submitted in digital format (Microsoft Office 2007 or higher or PDF).

## **VI. Characteristics of the assignment**

- 6.1 Type of Consultancy: Individual Consultant.
- 6.2 Term of Contract: 300 days.
- 6.3 Place of work: Brasília, Brazil.
- 6.4 Traveling: Travels will be previously agreed and authorized by the climate change specialist, coordinator of the TC at IDB.

## **VII. Qualifications**

- 7.1 Degrees: Graduate and/or master's degrees in environmental sciences, or economy; experience on climate change policies; good networking with Brazilian and international research groups on the topic. PhD would be a plus.
- 7.2 Language: English and Portuguese
- 7.3 Area of Expertise: Climate change.
- 7.4 Excellent writing and oral/written communication ability; proven ability to communicate complex concepts and prepare clear, concise and meaningful reports.