

TERMS OF REFERENCE FOR CONSULTANTS

A. Introduction

1. The proposed knowledge and support technical assistance (TA) will be implemented over 24 months from 1 October 2018 to 30 September 2020. The consultants will be responsible for producing the TA outputs and deliverables timely, and for organizing and carrying out all the tasks and activities indicated and assigned.

2. The requirement for consultants is estimated at 56 person-months, comprising two international consultants (12 person-months) and five national consultants (44 person-months). All consultants will be engaged through individual consultant selection in accordance with the Asian Development Bank (ADB) Procurement Policy (2017, as amended from time to time) and the associated Project Administration Instructions/TA Staff Instructions.

B. Terms of Reference

3. **Senior International Carbon Market Specialist (Team Leader)** (international, 7 person-months, intermittent). The specialist should have (i) a postgraduate degree in trade, economics, management, environmental policy, energy, climate change policy, or in other relevant field; and (ii) at least 10 years of working experience in climate change and carbon market. In addition, working experience in emission trading system (ETS) strategy and policy, design and operation in the People's Republic of China (PRC) will be an advantage. Oral and written English proficiency is required. The specialist will take the overall responsibility for the project implementation and the delivery of the outputs, and will be responsible for the following key tasks:

- (i) Provide guidance to the TA consultant team on conducting the TA work;
- (ii) Lead development of the work plan, inception, interim, and final reports, with inputs by other team members;
- (iii) Lead the organization of inception, midterm, and final workshops;
- (iv) Lead the development of a draft policy recommendation on non-free allowance auction, a draft policy recommendation on managing allowances and offsetting credits and a draft policy recommendation on market oversight of PRC national ETS operation;
- (v) Lead the preparation of draft policy study report based on all policy recommendation reports;
- (vi) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts;
- (vii) Ensure quality and timely delivery of all reports and outputs; and
- (viii) Any other relevant tasks assigned by executing agency (EA) and ADB.

4. **Senior National Carbon Market Specialist (Deputy Team Leader)** (national, 9 person-months, intermittent). The specialist should have (i) a postgraduate degree in trade, economics, management, environmental policy, energy, climate change policy, or in other relevant field; and (ii) at least 10 years of working experience in climate change and carbon market; and (iii) intensive working experience in the design of PRC's national carbon emissions trading system. In addition, experience in working for pilot ETS of PRC will be an advantage. Oral and written English proficiency is required. The specialist will:

- (i) Lead national consultant team on performing consulting work;
- (ii) Support Team leader to develop the work plan, inception, interim, and final reports;
- (iii) Support Team Leader to organize and conduct inception, midterm, and final workshops;

- (iv) Lead national team to review and assess the experience and lessons learned from the PRC ETS pilots, including the three ADB TAs support to Beijing, Tianjin and Shanghai on their ETS development;
- (v) Lead to conduct the two training workshops for local government officials and experts;
- (vi) Support Team leader to contribute to developing a draft policy recommendation on non-free allowance auction, a draft policy recommendation on managing allowances and offsetting credits and a draft policy recommendation on market oversight of PRC national ETS operation;
- (vii) Support Team leader to contribute to developing policy study report based on all policy recommendation reports;
- (viii) Support the organization of the participation of EA staff and other governmental officials working for national ETS development and operation in relevant international knowledge events; and
- (ix) Any other relevant tasks assigned by Team Leader, EA and ADB.

5. **Carbon Market Specialist** (international, 5 person-months, intermittent). The specialist should have (i) a postgraduate degree in trade, economics, environmental economics, environmental management and policy, energy, climate change policy, or in other relevant field; and (ii) at least 8 years of working experience in climate change and carbon market. In addition, experience in ETS strategy and policy, design and operation in the PRC will be an advantage. Oral and written English proficiency is required. The specialist will be responsible for reviewing and assessing the global policies and practice on allowance management and carbon market oversight, and will be responsible for the following key tasks:

- (i) Provide inputs to the Team Leader in developing work plan, inception, midterm, and final reports;
- (ii) Lead to review and assess the global climate change laws, regulations, policies and practice on allowance management, credit validity and carbon market oversight;
- (iii) Provide inputs to Team Leader to develop a draft policy recommendation on non-free allowance auction, a draft policy recommendation on managing allowances and offsetting credits (including allowance and credit validity) and a draft policy recommendation on market oversight of PRC national ETS operation;
- (iv) Provide inputs to Team Leader to prepare draft policy study report based on all policy recommendation reports;
- (v) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts; and
- (vi) Any other relevant tasks assigned by Team leader, EA and ADB.

6. **Carbon Market Specialist (allowance auction)** (national, 9 person-months, intermittent). The specialist should have (i) a postgraduate degree in trade, economics, environmental economics, environmental management and policy, energy, climate change policy, or in other relevant field; and (ii) at least 8 years of working experience in climate change and carbon market. In addition, working experience for pilot ETS of PRC, in particular, working experience in developing allowance auction policy will be an advantage. Oral and written English proficiency is required. The specialist will:

- (i) Provide inputs to Team Leader in developing work plan, inception, midterm, and final reports;
- (ii) Support Deputy Team Leader to review and assess the experience and lessons learned from the PRC ETS pilots, including the three ADB TAs support to Beijing, Tianjin, and Shanghai on their ETS development;

- (iii) Collect, review and assess available policies and practice on allowance management and auction of PRC ETS pilots;
- (iv) Provide inputs to Team Leader to develop a draft policy recommendation on non-free allowance auction;
- (v) Provide inputs to Team Leader to prepare draft policy study report based on all policy recommendation reports;
- (vi) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts; and
- (vii) Any other relevant tasks assigned by Team leader, Deputy Team Leader, EA, and ADB.

7. **Carbon Market Specialist (credit validity)** (national, 6 person-months, intermittent). The specialist should have (i) a postgraduate degree in law, trade, economics, environmental economics, environmental management and policy, energy, climate change policy, or in other relevant field; and (ii) at least 8 years of working experience in law, climate change and carbon market or relevant areas. In addition, working experience on drafting national or local climate change laws and regulations, in particular, working experience in developing credit validity and banking policy will be an advantage. Oral and written English proficiency is required. The specialist will:

- (i) Provide inputs to Team Leader in developing work plan, inception, midterm, and final reports;
- (ii) Support Deputy Team Leader to review and assess the experience and lessons learned from the PRC ETS pilots, including the three ADB TAs support to Beijing, Tianjin and Shanghai on their ETS development;
- (iii) Collect, review and assess available draft national or local climate change laws, regulations, policies and practice on credit validity and banking of PRC ETS pilots;
- (iv) Provide inputs to Team Leader to develop a draft policy recommendation on managing allowances and offsetting credits (including allowance and credit validity);
- (v) Provide inputs to Team Leader to prepare draft policy study report based on all policy recommendation reports;
- (vi) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts; and
- (vii) Any other relevant tasks assigned by Team leader, Deputy Team Leader, EA, and ADB.

8 **Carbon Market Specialist (market oversight)** (national, 6 person-months, intermittent). The specialist should have (i) a postgraduate degree in trade, economics, environmental economics, environmental management and policy, energy, climate change policy, or in other relevant field; and (ii) at least 8 years of working experience in climate change and carbon market. In addition, working experience for pilot ETS of PRC, in particular, working experience in developing market oversight policy will also be an advantage. Oral and written English proficiency is required. The specialist will:

- (i) Provide inputs to Team Leader in developing work plan, inception, midterm, and final reports;
- (ii) Support Deputy Team Leader to review and assess the experience and lessons learned from the PRC ETS pilots, including the three ADB TAs support to Beijing, Tianjin and Shanghai on their ETS development;
- (iii) Work closely with security market specialist to collect, review and assess available policies and practice on carbon market oversight of PRC ETS pilots;

- (iv) Work closely with security market specialist to provide inputs to Team Leader to develop a draft policy recommendation on carbon market oversight;
- (v) Provide inputs to Team Leader to prepare draft policy study report based on all policy recommendation reports;
- (vi) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts; and
- (vii) Any other relevant tasks assigned by Team leader, Deputy Team Leader, EA, and ADB.

9. **Security Market Specialist** (national, 4 person-months, intermittent). The specialist should have (i) a postgraduate degree in finance, trade, economics, environmental economics, or in other relevant field; and (ii) at least 8 years of working experience in security market. In addition, working experience for pilot ETS of PRC, in particular, working experience in developing market oversight policy of pilot ETS will be an advantage. Oral and written English proficiency is required. The specialist will:

- (i) Provide inputs to Team Leader in developing work plan, inception, midterm, and final reports;
- (ii) Review and assess the experience and lessons learned from the PRC security market management, and their applicability to national carbon market;
- (iii) Collect, review and assess available policies and practice on PRC's security market oversight that are relevant to carbon market;
- (iv) Work closely with Carbon Market Specialist (Market Oversight) to provide inputs to Team Leader to develop a draft policy recommendation on carbon market oversight;
- (v) Work closely with Carbon Market Specialist (Market Oversight) to provide inputs to Team Leader to prepare draft policy study report based on all policy recommendation reports;
- (vi) Support Deputy Team Leader to conduct the two training workshops for local government officials and experts; and
- (vii) Any other relevant tasks assigned by Team leader, Deputy Team Leader, EA, and ADB.

10. **Project Coordinator** (national, 10 person-months, intermittent). The Coordinator should have (i) a postgraduate degree in trade, economics, environmental economics, environmental management and policy, energy, climate change policy, or in other relevant field; and (ii) at least 3 years of working experience in climate change and carbon market. In addition, working experience for pilot ETS of PRC, in particular, working relationship with PRC government on developing ETS strategy and policy will be an advantage. Oral and written English proficiency is required. The Coordinator will:

- (i) Act as focal point of communication with all other team members, EA, ADB and other relevant organizations;
- (ii) Undertake logistic work of TA implementation, including document management, TA team meetings, and TA workshops (inception, midterm, training and final workshops);
- (iii) Provide Secretariat support to Team Leader and Deputy Team Leader;
- (iv) Provide administrative support to all other team members; and
- (v) Any other relevant tasks assigned by Team leader and Deputy Team Leader, EA and ADB.