

TERMS OF REFERENCE FOR CONSULTANTS

1. The implementation of the technical assistance (TA) will require a total of 18 person-months of international and 48 person-months of national consulting services. For Output 1, ADB will engage a reputable national research organization (NRO) with adequate research background on agricultural value chain and marketing from each of the selected DMCs. NROs will be engaged following fixed budget selection method in accordance with ADB's Procurement Policy and Regulations (2017 as amended from time to time). Selected NROs will engage tentatively 10 person-months (2.5 person-months for each country) of international consultants and 20 person-months (5 person-months for each country) of national consultants. Output 2 will be implemented with the assistance of a consulting firm with knowledge on the agriculture sector and rural development of the Republic of Korea and familiarity with the economic, social and policy environment of Indonesia, Myanmar, Pakistan and Philippines. The research organization will engage 3 person-months (tentative) of international consultants and 15 person-months of national consultants. The consulting firm will be engaged using fixed budget selection method in accordance with ADB Procurement Policy and Regulations (2017 as amended from time to time). For Output 3, ADB will recruit a national consultant with expertise in organizing knowledge event and study tour for 4 person-months following individual consultant selection method. For output 4, ADB will engage three international consultants for 5 person-months providing program design support and sector expertise; and three national consultants for 9 person-months providing logistics, finance, and communications support for the international forum following the individual consultant selection method.

A. Expert Requirements for Output 1: Constraints to agricultural value chain development and main areas for investment for improvement identified.

2. **Agricultural value chain and market expert** (international, 10 person-months).¹ The expert must have a graduate degree (preferably PhD) in agriculture, economics, rural development, or other relevant fields with at least 15 years of demonstrated knowledge and experience agricultural value chain and marketing. Responsible for conducting the field survey, analyze the data, and preparing the report. The specific tasks will include, but not limited to, the following:

- (i) lead the primary data collection to analyze the post-harvest loss occurred in different segments of the value chain like harvesting, field-stacking, cleaning, packaging, storage, transportation and loading-unloading for the selected crops;
- (ii) conduct the assessment of farmer's profitability and distribution of product price paid by consumers among different actors along the value chain;
- (iii) analyze the availability and quality of services like cold storage facilities, transportation, packaging, etc. and their impact on post-harvest losses;
- (iv) prepare the report summarizing the key findings;
- (v) present and disseminate findings in appropriate forums, including international conferences;
- (vi) report on the progress of TA activities to ADB and relevant DMC project offices as required; and
- (vii) other activities as deemed necessary to successfully conduct this study

¹ 2.5 person-months in 4 countries.

3. **Agricultural value chain and market specialist** (national 20 person-months). The specialist must have a graduate degree in agriculture, economics, rural development or other relevant fields with at least 10 years of demonstrated knowledge and experience in agricultural marketing and supply chain. The consultant will work closely with the international consultant. The specific tasks of this consultant, but not limited to, are as follows:

- (i) design the survey for representative data collection on the selected crops
- (ii) collect primary data on the selected crop and carryout the preliminary analysis;
- (iii) collect information on the availability of agri-logistics and infrastructure like cold storage facilities, transportation, packaging, etc.;
- (iv) collect information on price and cost of selected crops at different segments of the value chain;
- (v) report on the progress of TA activities to ADB and relevant DMC project offices; and
- (vi) other activities as deemed necessary to successfully conduct this study

B. Consultant Requirements for Output 2: Country-specific recommendations for agricultural and rural development based on the experiences of the Republic of Korea for selected DMCs formulated.

4. **Agriculture and rural development expert** (international, 3 person-months). The expert must have a graduate degree (preferably PhD) in agriculture, economics, rural development or other relevant fields with at least 15 years of demonstrated research experience in agricultural modernization and rural development in the Republic of Korea. The consultant is also expected to have knowledge on economic, social and policy environment of Indonesia, Myanmar, Pakistan and Philippines. The consultant should also have international experience of working on agricultural modernization and rural development both in developed and developing countries. The specific tasks, not limited to, are as follows:

- (i) review the history of agricultural modernization, value chain and rural development in the Republic of Korea;
- (ii) analyze the public (policy and institutional) support provided to agricultural modernization, value chain and rural development in the Republic of Korea;
- (iii) analyze main measures to create an enabling environment for private sector agricultural value chain development in the Republic of Korea;
- (iv) assess the role played by the private sector in agriculture and rural development in the Republic of Korea;
- (v) review the current policy and institutional environment of Indonesia, Myanmar, Pakistan, and Philippines pertinent to agricultural value chain and rural development;
- (vi) formulate country-specific recommendations for Indonesia, Myanmar, Pakistan, and Philippines based on the lessons drawn from Korean experience of agricultural modernization, value chain and rural development;
- (vii) present and disseminate findings in appropriate forums, including international conferences;
- (viii) report on the progress of TA activities to ADB and relevant DMC project offices; and
- (ix) other activities as deemed necessary to successfully conduct this study

5. **Agriculture and rural development specialist** (national, 15 person-months). The specialist must have a graduate degree in agriculture, economics, rural development or other relevant fields, with at least 10 years of demonstrated knowledge and experience in agriculture. The consultant will closely work with the international consultant to undertake the following activities (in the respective country):

- (i) analyze the trend of agricultural sector in terms of growth and composition for last 10 years by using the secondary data;
- (ii) analyze the salient features of rural development for last 10 years by using the secondary data;
- (iii) review the emerging trend of agricultural value chain development and mechanization of agriculture;
- (iv) assess the public policy and institutional support to agricultural modernization and rural development;
- (v) review the current financing mechanism for agriculture and rural development;
- (vi) report on the progress of TA activities to ADB and relevant DMC project offices; and
- (vii) other activities as deemed necessary to successfully conduct this study

C. Consultant Requirements for Output 3: Knowledge on agricultural value chain and rural development in selected DMCs improved.

6. **Knowledge and event management specialist** (national, 4 person-months). The specialist will have a graduate degree in agriculture, economics, communications, or other relevant fields, with extensive experience in knowledge management and training in agriculture. Specific tasks will include:

- (i) assist to organize the international conference to disseminate findings of the TA;
- (ii) liaise with selected DMCs to facilitate the participation of representative from the selected DMCs;
- (iii) assist to organize a study tour to the Republic of Korea for the participants from selected DMCs;
- (iv) prepare a report on international conference and study tour;
- (v) report on the progress of TA activities to ADB and relevant DMC project offices; and
- (vi) other activities as deemed necessary to successfully conduct this study

D. Consultant Requirements for Output 4: Knowledge on rural development, food security, and agriculture value chains in Asia and the Pacific improved.

7. **Knowledge specialist** (international, 3 person-months). The specialist will have a graduate degree in agriculture, economics, communications, or other relevant fields, with extensive experience in knowledge management and training in agriculture. Specific tasks will include:

- (i) plan and design the forum sessions and overall program in consultation with operations departments and other relevant staff and experts;
- (ii) identify and confirm the experts and speakers;
- (iii) draft the papers and relevant documents in support of the forum sessions; and
- (iv) work with relevant staff and consultants to complete forum delivery.

8. **Sector specialists** (international, 2 person-months). The specialists will have a graduate degree in agriculture, economics, communications, or other relevant fields, with extensive experience in knowledge management and training in agriculture. Specific tasks will include:

- (i) advise on the forum sessions and overall program;
- (ii) advise and establish linkages with experts and speakers;
- (iii) review papers and relevant documents in support of the forum sessions; and
- (iv) work with relevant staff and consultants to complete forum delivery.

9. **Program coordination specialists** (national, 9 person-months). The specialists will have a graduate in communications, training, knowledge management, finance, program management, or other relevant fields. Specific tasks will include:

- (i) manage the engagement and attendance of guests, speakers, and participants;
- (ii) provide finance, communications and logistics support in coordination with relevant staff and consultants; and
- (iii) work with relevant staff and consultants to complete forum delivery.