

TERMS OF REFERENCE FOR CONSULTANTS

1. **Senior economist** (international, 3 person-months). The senior economist should have extensive knowledge and experience of at least 15 years related to infrastructure development in developing countries and a recognized track record of research work related to infrastructure. The senior economist will provide overall guidance in the conduct of the research, and will:

- (i) provide advice to the study team in developing the research framework and storyline;
- (ii) review the draft of the study and provide advice on how to improve the quality of the analysis;
- (iii) participate in consultation workshops and guide the study team on how to improve the study following comments, inputs, and suggestions from stakeholders; and
- (iv) participate in knowledge dissemination activities.

2. **Economist** (international, 11 person-months). The economist should have a strong background in economics, an experience of at least 10 years related to infrastructure and a recognized track record of publishing research related to infrastructure. The economist will lead the conduct of an in-depth study on a topic identified by the technical assistance working group. The consultant should be able to distill, synthesize, and perform in-depth analysis of issues related to infrastructure development. The consultant should be able to develop relevant and realistic policy recommendations and be able to present them to key stakeholders and policymakers in a coherent manner. The main responsibilities of the consultant are:

- (i) facilitate the conduct of the study inception workshop to inform and get feedback from key stakeholders (including the government, the private sector, civil society, and development partners) on the identified issue in infrastructure that will be the subject of the study;
- (ii) review and synthesize literature related to the identified strategic issue in infrastructure;
- (iii) develop the framework of the study, identify data requirements, and develop the study outline;
- (iv) gather and analyze data relevant to the area of study and ensure that the study provides new knowledge in the field;
- (v) develop an initial draft and present initial findings and policy recommendations in consultation workshops with stakeholders;
- (vi) revise and finalize the draft according to comments and suggestions gathered during the consultation workshop;
- (vii) present results and policy recommendations in knowledge-dissemination activities; and
- (viii) draft a summary of the study, including key messages and policy implications to be used as knowledge-dissemination material.

3. **Infrastructure specialist** (international, 8 person-months). The specialist should have excellent knowledge of and work experience of at least 10 years in infrastructure planning, financing and operation in developing member countries, and will:

- (i) provide technical expertise to support the economist in the conduct of the study, especially on the development of policies and strategies for transport, energy, and other infrastructure sectors;
- (ii) participate in policy dialogue to assist the study team and the government in

- (iii) designing reforms in infrastructure sectors;
- (iii) review drafts of the report to ensure that the study provides technically sound arguments and provide inputs to sector issues discussed in the report;
- (iv) identify the policy options to address issues in infrastructure sector(s), while keeping in view the country context as well as international best practices in the area of study; and
- (v) participate in consultation workshops and knowledge-dissemination activities.

4. **Project financing specialist** (international, 8 person-months). The specialist should have in-depth knowledge of and work experience of at least 8 years in infrastructure investments and in different infrastructure financing modalities, including pension funds, public-private partnerships (PPPs), land-value capture and green bonds. The specialist should demonstrate strong capacity in conducting research related to infrastructure financing. The specialist will:

- (i) review and synthesize literature on infrastructure financing;
- (ii) gather lessons from experiences on infrastructure financing in developed and developing countries;
- (iii) provide assessment of different infrastructure financing modalities;
- (iv) analyze suitability of financing modalities in different country and sector contexts;
- (v) review drafts of the study, and provide inputs on infrastructure financing discussions and related policy recommendations;
- (vi) participate in consultation workshops to understand financing issues in developing member countries; and
- (vii) participate in knowledge-dissemination activities.

5. **Public-private partnership specialist** (international, 4 person-months). The specialist should have expertise in and extensive experience of at least 8 years with the design and implementation of PPPs. The specialist should have demonstrated strong knowledge on effective PPP arrangements in the context of a developing country. The specialist will:

- (i) provide knowledge on the experiences of different countries in designing and implementing PPPs,
- (ii) provide information on good practices and lessons from successful PPP implementation,
- (iii) assess the suitability of PPPs in different country and sector contexts,
- (iv) participate in consultation workshops to understand challenges in implementing PPPs, and
- (v) participate in knowledge-dissemination activities.

6. **Capacity building specialist** (international, 4 person-months). The specialist will have experience of at least 5 years in supporting capacity building efforts in key infrastructure ministries and institutions. The specialist will:

- (i) assess the current capacity of the target institution with respect to current and future demand for the institution's services;
- (ii) facilitate consultation meetings with key members of the institution to solicit opinions on the planned capacity building program;
- (iii) develop an institutional capacity building program for the target institution following a consultative process with key members of the institution, and following best practices in other countries and institutions;
- (iv) provide technical expertise during the implementation of the capacity building program to ensure that program targets are achieved;
- (v) develop a tool to accurately monitor and evaluate the progress of the capacity

- (vi) building program; and
 - (vi) prepare a report on the entire process of developing and implementing the capacity building program, including lessons from the experience.
7. **Facilitator** (international, 1 person-month). The facilitator should have knowledge on issues related to infrastructure and should have experience of at least 5 years in workshop and forum facilitation. The facilitator will:
- (i) design an effective flow for the consultation workshops and knowledge-dissemination activities that features discussions on the findings of the studies conducted under the technical assistance,
 - (ii) advise study teams on how to engage audiences during presentations,
 - (iii) select appropriate tools for effective facilitation of discussions, and
 - (iv) guide and facilitate discussions during the consultation workshop and dissemination activities to ensure effective participation and foster constructive discussions.
8. **Economics editor** (international, 3 person-months). The economics editor should have extensive experience of at least 8 years in editing and writing economic research papers. The economics editor will:
- (i) edit the study for consistency with economic theory and empirical evidence;
 - (ii) rewrite and reorganize the study to improve the logical structure;
 - (iii) simplify technical language and edit the study so that it can be easily understood by nontechnical readers; and
 - (iv) review the validity, accuracy, and consistency of information, tables, and charts.
9. **Country economist** (national, 10 person-months). The country economist will assist the economist in conducting the study, and will also be responsible for independent tasks. The country economist will:
- (i) coordinate regularly with government counterparts in collecting relevant data sets and on the evolving findings in the report,
 - (ii) assemble relevant country and cross-country data sets,
 - (iii) identify relevant policy recommendations for addressing strategic issues in infrastructure and its financing,
 - (iv) assist the economist in presenting the findings of the study to stakeholders for review and feedback,
 - (v) assist the economist in revising the study according to comments and suggestions received, and
 - (vi) assist the economist in presenting the findings of the study in dissemination activities.
10. **Statistician** (national, 8 person-months). The statistician should have expertise in and experience of at least 5 years with systems of national accounts and applied econometrics in infrastructure-related research. The statistician will:
- (i) gather and analyze data and perform statistical analysis as required by the study team;
 - (ii) prepare a report on the results of the statistical analysis undertaken;
 - (iii) participate in consultation workshops to gather feedback on the study;
 - (iv) revise the statistical analysis based on comments from the Asian Development Bank (ADB), the government, and other stakeholders; and
 - (v) participate in knowledge-dissemination activities.

11. **Copy editor** (national, 3 person-months). The copy editor will review and finalize drafts of studies and oversee the publication of study reports, **in** coordination with the study team. The editor should have at least 5 years of experience. Under the supervision of ADB staff, the copy editor will:
- (i) review and edit the draft study, ensuring that it adheres to ADB style and usage and conforms to high publication standards;
 - (ii) oversee the layout of the study; and
 - (iii) oversee the publication of the study.
12. **Research assistant** (national, as needed). The research assistant will:
- (i) assist the study team in assembling and analyzing data,
 - (ii) help prepare presentations and other materials for knowledge dissemination, and
 - (iii) assist in organizing workshops and knowledge-dissemination activities.
13. **Typesetter and/or layout specialist and/or graphic designer** (national, 3 person-months). The typesetter and/or layout specialist and/or graphic designer will:
- (i) refine tables and charts of the study using Adobe InDesign;
 - (ii) refine the layout the text of the study using Adobe InDesign;
 - (iii) present a consolidated page proof of the study for final correction (text, tables, charts, and cover); and
 - (iv) deliver final PDFs of the study for offset printing.