

TERMS OF REFERENCE FOR CONSULTANTS

1. **Economics consultants** (international, 7 person-months, up to five consultants).

The consultants should have excellent knowledge and work experience in general macroeconomics and knowledge on methodologies to identify patterns and sources of macroeconomic fluctuations in the region. Each economist should have a doctorate degree in economics; expert knowledge of economic issues in developing countries in Asia, preferably with 10 years of experience in the field of macroeconomics; proven capacity for quantitative and policy-oriented analysis; and proven capacity to synthesize complex issues and identify key policy messages for policymakers, development partners, and other stakeholders.

Under the direct supervision of the relevant Macroeconomics Research Division (ERM) staff of the Asian Development Bank (ADB), the consultant will:

- (i) provide guidance to ADB staff and national consultants in developing empirical and structural tools, to better explain macroeconomic fluctuations in Asian economies, as inputs to policy analysis;
- (ii) participate in the workshops and training sessions organized under the technical assistance (TA);
- (iii) together with ADB staff, document the procedures in developing said tools for each selected DMC; and
- (iv) perform other related tasks as may be assigned by the ADB team leader.

Deliverables include working papers on tools developed to monitor, explain and predict macroeconomic fluctuations for selected DMCs.

2. **Research analysts** (national, 24 person-months, up to two consultants).

The consultants should have excellent work experience in general economics. They must have Philippines citizenship, as they will carry out their assignment at ADB headquarters.

Under the direct supervision of relevant ERM staff, the consultants will assist in economic research and analysis on the topics in the TA. In particular, the consultants will:

- (i) contribute to the preparation and updating of the related databases for cross country analysis for assigned DMCs;
- (ii) work with the international consultants and ADB staff to develop analytical tools for selected DMCs;
- (iii) support country economic assessments by gathering data and setting up databases for selected economies;
- (iv) support the documentation of procedures toward the development of usable tools to assess macroeconomic fluctuations for selected DMCs; and
- (v) undertake ad hoc research and other assignments as may be assigned by the ADB team leader.

Deliverables include provision of technical support in developing usable tools and in the preparation of working papers on assessing macroeconomic fluctuations in selected DMCs.

3. Website developer (national, 12 person-months total)

The website developer will design the website including lay-out and content, to conform to user-friendly applications, and to accommodate expanded data coverage. The website developer should have a minimum Bachelor degree in information and technology with minimum 6 years specific experience, and should be knowledgeable in developing macroeconomic database and website.

Under the direct supervision of the relevant ERMR staff of the Asian Development Bank (ADB), the consultant will:

- (i) maintain and design database schema of the website and conduct regular website enhancements and improvements;
- (ii) conduct user survey needed for website improvements of lay-out and content;
- (iii) create automated systems for both front-end and back-end interfaces;
- (iv) develop user-friendly applications for website users;
- (v) assist ADB staff and the team leader in designing database and/or data warehouse;
- (vi) maintain the contact list and feedback and information email accounts;
- (vii) design, develop, and operate email survey and newsletter transmission and reception systems;
- (viii) create and continually update functional and technical documentation pertaining to the site and data architecture and processes;
- (ix) diagnose and repair errors encountered in the website and back-end processes; and
- (x) perform other tasks not mentioned above related to the website as assigned by the team leader.

4. Resource persons (10 days each, up to six resource persons)

Under the supervision of the ADB team leader, up to six resource persons will be hired to participate in workshops and conferences. They should have knowledge of forecasting methods, where knowledge of the global projection model as well as in assessing macroeconomic fluctuations would be an advantage, and extensive experience in macroeconomic monitoring and policy assessments.