



Technical Assistance Report

Project Number: 49299-001
Capacity Development Technical Assistance (CDTA)
December 2015

Mongolia: Strengthening Capacity for Environmental-Economic Accounting

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 3 December 2015)

Currency unit	–	togrog (MNT)
MNT1.00	=	\$0.000502
\$1.00	=	MNT1,993.50

ABBREVIATIONS

ADB	–	Asian Development Bank
NSO	–	National Statistical Office
SDG	–	Sustainable Development Goal
SEEA	–	System of Environmental-Economic Accounting
TA	–	technical assistance

NOTE

In this report, "\$" refers to US dollars.

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CAPACITY DEVELOPMENT TECHNICAL ASSISTANCE AT A GLANCE

1. Basic Data		Project Number: 49299-001	
Project Name	Strengthening Capacity for Environmental-Economic Accounting	Department /Division	EARD/EAER
Country	Mongolia	Executing Agency	National Statistical Office of Mongolia
2. Sector		ADB Financing (\$ million)	
✓ Agriculture, natural resources and rural development	Land-based natural resources management		0.70
		Total	0.70
3. Strategic Agenda		Climate Change Information	
Inclusive economic growth (IEG)	Pillar 2: Access to economic opportunities, including jobs, made more inclusive	Climate Change impact on the Project	Low
Environmentally sustainable growth (ESG)	Environmental policy and legislation		
4. Drivers of Change		Gender Equity and Mainstreaming	
Governance and capacity development (GCD)	Organizational development	No gender elements (NGE)	✓
5. Poverty Targeting		Location Impact	
Project directly targets poverty	No	Rural	Medium
		Urban	Medium
6. TA Category:	B		
7. Safeguard Categorization	Not Applicable		
8. Financing			
Modality and Sources		Amount (\$ million)	
ADB		0.70	
Capacity development technical assistance: Technical Assistance Special Fund		0.70	
Cofinancing		0.00	
None		0.00	
Counterpart		0.08	
Government		0.08	
Total		0.78	
9. Effective Development Cooperation			
Use of country procurement systems		No	
Use of country public financial management systems		No	

I. INTRODUCTION

1. In January 2015, the Government of Mongolia's National Statistical Office (NSO) requested Asian Development Bank (ADB) assistance for compiling the material flow, energy, and environmental tax accounts within the framework of the System of Environmental-Economic Accounting (SEEA).¹ The technical assistance (TA) would establish improved assessment and monitoring arrangements for the key indicators that cover Mongolia's green development agenda: material flow, energy, and environment tax accounts under the SEEA. The support would help to implement the government's National Program for Development of Official Statistics, 2016–2020.

II. ISSUES

2. In 2014, through its Green Growth Policy, the government formally adopted the green economy concept as a vehicle to attain sustainable development and reduce poverty. The policy aims to change previous “grow first and clean it up later” practices into more environment-friendly, nonpolluting, and effective production systems to increase productivity. Its goal is to create inclusive and participatory economic growth, and increase the quality of life. Specific challenges for Mongolia include poverty, unequal income distribution, natural resource-based economic structure, inefficient use of energy and resources, wasteful consumption, technical and technological obsolescence, and vulnerability to climate change. To address such concerns, the promotion of the concepts of green economy, green production, and green growth aims to create economic systems with low carbon emissions, efficient use of natural resources, and avoidance of environmental pollution and degradation.

3. In 2010, the Mongolian Parliament approved the National Program for Development of Official Statistics, 2011–2015, which initiated data collection and analysis necessary to support environmentally sustainable growth. The program specifies that accounts for environmental-economic accounts will be constructed, data sources will be generated, and relevant estimates will be made. To strengthen monitoring and quantifying of the implementation of its green growth policy and actual practices, the government decided to adopt and implement the first international statistical standard for environmental-economic accounting—SEEA 2012—recommended by the United Nations to its member countries. The SEEA is a multipurpose conceptual framework for understanding the interactions between the economy and the environment, and for describing stocks and changes in stocks of environmental assets.²

4. The SEEA's central framework covers measurement in three main areas: (i) the physical flow of materials and energy within the economy and between the economy and the environment; (ii) the stocks of environmental assets and changes in these stocks; and (iii) economic activity and transactions related to the environment. While the SEEA system comprises a series of more than 20 accounts, a country often chooses to implement only a selection of the accounts depending on the specific environmental issues it faces.³

¹ The TA first appeared in the business opportunities section of ADB's website on 13 November 2015.

² Mongolia is one of four pilot project countries for Supporting Developing Countries Measure Progress towards Achieving a Green Economy, a project organized by the United Nations Statistical Division. NSO will (i) implement activities to assess the current green economy, (ii) measure the transition process, and (iii) define indicators for measuring green development in 2014–2015. <http://unstats.un.org/unsd/greeneconomy/Default.aspx?Lg=E>

³ In practice, environmental-economic accounting includes the compilation of physical supply and use tables, functional accounts (such as environmental protection expenditure accounts) and asset accounts for natural resources.

Measurement in these areas is translated into a series of accounts and tables, as described in several United Nations' manuals.⁴

5. NSO began by prioritizing the compilation of the material flow, energy, and environmental tax accounts, all covered in the SEEA and considered critical to monitor Mongolia's green growth aspirations. In 2014, NSO initiated work on compiling the material flow account for 2005–2013 on an experimental basis. Although a good start was made, the exercise highlighted the complexity of the process. Some national data used for compiling the material flow account were unavailable; international data were used instead. A solid survey is needed to develop the national data and indicators required for compiling the account.

6. In parallel, Mongolia participated in discussions to establish mechanisms to monitor the new set of Sustainable Development Goals (SDGs), which build upon the Millennium Development Goals and converge with the post-2015 development agenda. Each of the 17 SDG goals, agreed on 25 September 2015, have specific targets to be achieved by 2030.⁵ ADB is ready to provide support adapted for its developing member countries to respond to specific regional, national, and local challenges.⁶ It recognizes that the SDGs are likely to be customized to regional, national, and local contexts given the enormous diversity of Asia.⁷

7. The Government of Mongolia, through NSO, is seeking support to strengthen the capacity of NSO and relevant agencies for monitoring implementation of its green growth policy, in particular regarding the key indicators: material flow, energy, and environmental tax accounts under Mongolia's SEEA. The government decided to focus its initial efforts on the accounts most relevant to current issues. The material flow will focus on natural resources exploitation and usage, an important part of Mongolia's economy. The energy account is important to ensure energy supplies during long and cold winter. Lastly, environmental taxes are considered key to ensure the efficient usage of limited resources and reduce pollution.

8. Mongolia's efforts to implement the selected accounts will support monitoring and achieving the environmental targets of the newly adopted SDGs, with 169 proposed targets and 304 proposed indicators of compliance, which include the country's SDG implementation and reporting. The prioritized SEEA accounts specifically contribute to the development and monitoring of systems for (i) goal 2: end hunger, achieve food security and improved nutrition, and promote sustainable agriculture; (ii) goal 7: ensure access to affordable, reliable, sustainable, and modern energy for all; (iii) goal 8: promote sustained, inclusive, and sustainable economic growth, and full and productive employment and decent work for all; (iv) goal 12: ensure sustainable consumption and production patterns; and (v) goal 15: protect, restore, and promote sustainable use of terrestrial ecosystems and sustainable forests; combat desertification; halt and reverse land degradation; and halt biodiversity.

⁴ United Nations. Statistics Division. <http://unstats.un.org/unsd/envaccounting/seea.asp>

⁵ United Nations. Sustainable Development. <https://sustainabledevelopment.un.org/>

⁶ Statement by Stephen P. Groff, ADB Vice-President (Operations 2) at the United Nations Sustainable Development Summit on 27 September 2015 in New York (as drafted). <http://www.adb.org/site/post-2015/main>

⁷ Similar initiatives are, for example, taken by the World Bank-led Wealth Accounting and the Valuation of Ecosystem Services partnership, which includes Indonesia and the Philippines as the first pilots. Wealth Accounting and the Valuation of Ecosystem Services is a global partnership that aims to promote sustainable development by ensuring that natural resources are mainstreamed in development planning and national economic accounts. <http://www.wavespartnership.org/en>

9. The TA will support Mongolia's strategic priorities identified in ADB's interim country partnership strategy, 2014–2016 and country operations business plan, 2015 for Mongolia.⁸ The TA aims to strengthen environmental rehabilitation and protection, including adaptation to climate change. In particular, it will strengthen implementation of statistical accounts and tools to monitor sustainable economic growth, as promoted in the Green Development Policy.

III. THE CAPACITY DEVELOPMENT TECHNICAL ASSISTANCE

A. Impact and Outcome

10. The impact will be improved integration of the efficient use of natural resources into economic development planning for Mongolia. The outcome will be improved monitoring for green economic development.

B. Methodology and Key Activities

11. The TA aims to establish improved collection, assessment, and monitoring arrangements for key indicators that cover Mongolia's green development agenda: material flow, energy, and environmental tax accounts under the SEEA. The TA will support strategy development through surveys, literature reviews, surveys, data collection, analysis and assessments, and information-sharing.

12. **Output 1: National methodology for compiling the three accounts for green development indicators finalized.** The final methodologies for the establishment of the three accounts will be reviewed, discussed, and drafted. While general directions are provided under the SEEA's central framework, the specific application and requirements need to be adapted to Mongolia's specific conditions.⁹ NSO initiated some preliminary work for the energy account, which will be used to complete specific methodologies, data collection protocols, and processing systems. The data processing systems will be integrated into the existing NSO database.

13. The proposed 39 indicators, together with the anticipated linkages with the SDGs, are summarized in the supplementary appendix. Each account will have 13 indicators, which are considered most relevant.

14. Specific activities for output 1 include

- (i) review and assess the concepts, definitions, principles, and international practices for environmental accounting;
- (ii) review and establish linkages with SDG reporting requirements;
- (iii) prepare and report Mongolian concepts, definitions, and principles for the three accounts;
- (iv) develop the sampling procedures and questionnaires;
- (v) develop and update the data processing systems and databases; and
- (vi) finalize the findings in a methodology in Mongolian, complemented with an English summary.

⁸ ADB. 2014. *Interim Country Partnership Strategy: Mongolia, 2014–2016*. Manila; and ADB. 2015 *Country Operations Business Plan: Mongolia, 2015*. Manila.

⁹ A first step to adapt to the specific conditions in Mongolia is the selection of the 13 indicators for the 3 priority accounts, out of the more than 20 accounts of the SEEA system.

15. Output 2: Data for compilation of the three accounts collected and reported.

Establishment of the account requires extensive data collection, which needs to be representative of Mongolian conditions. Based on the agreed methodologies and available budget, *aimags* will be identified for the data collection.¹⁰ The data collection will make use of advanced internet-based sampling technologies, which NSO is already using. Where necessary, NSO information technology staff will update the NSO database structures.

16. Specific activities for output 2 include

- (i) prepare practical guidelines for enumerators in Mongolian language;
- (ii) conduct field surveys for data collection, following the developed methodologies;
- (iii) control, analyze, and interpret data; and
- (iv) publish reports for the three accounts.

17. Output 3: Monitoring and data analysis capacity of the National Statistical Office and relevant agencies strengthened.

Environmental accounting methodologies and practices will be shared and integrated into Mongolia's green development monitoring and reporting. While NSO will be the central agency to present the collected statistical information, close cooperation will be needed with relevant sector agencies, notably the Agency for Land Relations, Geodesy, and Cartography; the Forestry Research Development Center; the General Department of Taxation; the Ministry of Environment, Green Development and Tourism; the Ministry of Finance; and the Ministry of Energy (supplementary appendix).¹¹ Workshops will be organized to discuss and present the findings, and promote the integration of the findings into sector strategies. The NSO publications will be presented at international conferences in regional member countries. The activities are to be implemented in parallel with outputs 1 and 2.

18. Specific activities for output 3 include

- (i) undertake consultation workshops with relevant agencies;
- (ii) present findings of the account reporting at international conferences;
- (iii) conduct workshops on the usage and implementation of green growth monitoring; and
- (iv) summarize the findings in a technical report.

C. Cost and Financing

19. The TA is estimated to cost \$780,000, of which \$700,000 will be financed on a grant basis by ADB's Technical Assistance Special Fund (TASF-V). The government will provide counterpart support in the form of counterpart staff, office facilities, data processing, meeting venues, local transportation in Ulaanbaatar, and other in-kind contributions.

D. Implementation Arrangements

20. The TA will be implemented from 1 April 2016 to 31 March 2018. NSO will be the executing agency. It will establish a project implementation unit with about nine qualified staff. The unit will be responsible for the overall planning, coordination, and supervision of the TA. It

¹⁰ An *aimag* is the Mongolian equivalent of a province.

¹¹ In 2014, NSO and the Ministry of Environment, Green Development and Tourism signed a memorandum of understanding to promote cooperation on environmental statistics.

will closely work together with the Ministry of Environment, Green Development and Tourism staff, who will be invited to join the project implementation unit and TA activities.

21. Four individual consultants will be engaged to support NSO: an environment (energy) specialist (international, 4 person-months); an environment economist (international, 4 person-months); a project management expert (national, 22 person-months); and a statistician (national, 20 person-months). Consulting services are needed for methodology development, data collection, training, and project coordination (Appendix 3). ADB will engage the consultants following its Guidelines on the Use of Consultants (2013, as amended from time to time) using the individual consultant selection method. The consultants are expected to be mobilized during the first quarter of 2016. Procurement will be carried out in accordance with ADB's Procurement Guidelines (2015, as amended from time to time). Purchased equipment will be turned over to NSO upon completion of TA activities. The TA proceeds will be disbursed in accordance with ADB's *Technical Assistance Disbursement Handbook* (2010, as amended from time to time).

22. One full-time administrative support staff will be engaged (22 person-months) to assist NSO in administering the TA, and organizing workshops and training. Resource persons will be engaged for a maximum of 10 working days, using single source selection, to participate in and make presentations during the in-country workshops and training.

23. NSO will administer the data collection surveys, training workshops, and conferences for which an advance payment facility will be established. NSO has the capacity to manage the funds, as it has experience working with regional ADB TA projects using an advance payment facility. NSO has also worked with other international partners (e.g., the Economic and Social Commission for Asia and the Pacific, the International Labour Organization, the United Nations Industrial Development Organization, and the World Bank).

24. The TA will follow the standard monitoring and supervision procedures for ADB-administered TA. The TA implementation and supervision will be conducted in close cooperation with ADB's environmental economists from the Sustainable Development and Climate Change Department and the Economic Research and Regional Cooperation Department. Best practices and lessons will be disseminated through technical workshops and through various technical reports, knowledge products, and other publications posted on the NSO and ADB websites.

IV. THE PRESIDENT'S DECISION

25. The President, acting under the authority delegated by the Board, has approved the provision of technical assistance not exceeding the equivalent of \$700,000 on a grant basis to the Government of Mongolia for Strengthening Capacity for Environmental-Economic Accounting, and hereby reports this action to the Board.

DESIGN AND MONITORING FRAMEWORK

Impact the Technical Assistance Project is Aligned with			
Integration of efficient use of natural resources into economic development planning improved (National Program for Development of Official Statistics 2016–2020 [draft]; Green Development Policy of Mongolia, 2014).			
Results Chain	Performance Indicators with Targets and Baselines	Data Sources and Reporting Mechanisms	Risks
Outcome Improved monitoring for green economic development applied	By 2018: Baselines for three groups of key green development indicators established for Mongolia's Green Development Policy (2015 baseline: 0)	Project technical and progress reports NSO periodic bulletins and assessment reports	Institutional coordination among government agencies on environmental monitoring is not adequate.
Outputs 1. National methodology for compiling the three accounts for green development indicators finalized ^a 2. Data for compilation of the three accounts collected and reported 3. Monitoring and data analysis capacity of NSO and relevant agencies strengthened	By 2018: 1a. Three methodologies approved by NSO (2015 baseline: 0) 1b. Implementation guidelines prepared for the three accounts (2015 baseline: 0) 2a. Statistical database updated and completed (2015 baseline: 0) 2b. Statistical report published and disclosed to users (2015 baseline: 0) 3a. At least 20 staff from NSO and relevant agencies have skills in monitoring and data analysis (2015 baseline: 0) 3b. Two environmental statistical papers presented at two international conferences (2015 baseline: 0)	1a–1b. Project technical and progress reports 2a. Project technical progress reports 2b. Annual NSO reports 3a. Project technical and progress reports 3b. Annual NSO reports	
Key Activities with Milestones			
<ol style="list-style-type: none"> 1. National methodology for compiling the three accounts for green development indicators finalized <ol style="list-style-type: none"> 1.1 Review and assess concepts, definitions, principles, and international practices for environmental accounting (Q2 2016). 1.2 Review and establish linkages with Sustainable Development Goal reporting requirements (Q3 2016). 1.3 Prepare and describe Mongolian concepts, definitions, and principles for the three accounts (Q3 2016). 1.4 Develop sampling procedures and questionnaires (Q3 2016). 1.5 Develop and update data processing systems and databases (Q4 2016). 1.6 Summarize the findings in a methodology in Mongolian, complemented with an English summary (Q4 2016). 			

<p>Key Activities with Milestones</p> <p>2. Data for compilation of the three accounts collected and reported</p> <p>2.1 Prepare practical guidelines for enumerators in Mongolian language (Q3 2016).</p> <p>2.2 Conduct field surveys for data collection, following the developed methodologies (Q1 2017).</p> <p>2.3 Control, analyze, and interpret data (Q2 2017).</p> <p>2.4 Publish reports for the three accounts (Q2 2017).</p> <p>3. Monitoring and data analysis capacity of NSO and relevant agencies strengthened</p> <p>3.1 Conduct consultation workshops with relevant agencies (Q3 2017).</p> <p>3.2 Present the findings of the account reporting at international conferences (Q3 2017).</p> <p>3.3 Conduct workshops on the usage and implementation of green growth monitoring (Q4 2017).</p> <p>3.4 Summarize the findings in a technical report (Q1 2018).</p>
<p>Inputs</p> <p>Asian Development Bank: \$700,000</p> <p>Note: The government will provide counterpart support in the form of counterpart staff, office facilities, data processing, meeting venues, local transportation in Ulaanbaatar, and other in-kind contributions.</p>
<p>Assumptions for Partner Financing</p> <p>Not applicable.</p>

COST ESTIMATES AND FINANCING PLAN
(\$'000)

Item	Amount
Asian Development Bank^a	
1. Consultants	
a. Remuneration and per diem	
i. International consultants	198.0
ii. National consultants	113.4
b. International travel	22.0
c. Local travel	8.4
d. Reports and communications	5.0
2. Equipment ^b	60.0
3. Training, workshops, and conferences ^c	
a. International conferences	15.0
b. Project management training	12.0
c. Domestic training and workshops	15.0
4. Miscellaneous administration and support costs ^d	
a. Studies and surveys	115.0
b. Administrative support	57.2
c. Translation and dissemination	9.0
5. Contingencies	70.0
Total	700.0

Note: The technical assistance (TA) is estimated to cost \$780,000, of which contributions from the Asian Development Bank are presented in the table above. The government will provide counterpart support in the form of counterpart staff, office facilities, data processing, meeting venues, local transportation in Ulaanbaatar, and other in-kind contributions. The value of government contribution is estimated to account for 10.3% of the total TA cost.

^a Financed by the Asian Development Bank's Technical Assistance Special Fund (TASF-V).

^b Equipment includes approximately five computers, four printers, 50 tablet computers, software, and accessories. Upon completion of the TA activities, equipment will be turned over to the executing agency.

^c Expenditures may include the engagement of resource persons, event organizers, travel costs of ADB resource persons, and possibly limited representation costs, such as food and beverages under workshops, training, and seminars. Participation in international conferences in the Asian Development Bank's developing member countries will be prioritized.

^d Includes project management support and data collection surveys.

Source: Asian Development Bank estimates.

OUTLINE TERMS OF REFERENCE FOR CONSULTANTS

1. It is estimated that the technical assistance (TA) will require 8 person-months of international and 42 person-months of national consulting services. Two international specialists (environment [energy] specialist, and environment economist); and two national specialists (project management expert and statistician) will be required for the TA. The specialists will be engaged following ADB's Guidelines on the Use of Consultants (2013, as amended from time to time) through individual consultant selection method. It is anticipated that the consultants will be mobilized during the first quarter of 2016.

2. One full-time administrative support staff will be engaged (22 person-months) to assist the National Statistical Office (NSO) in the administration of the TA, and the organization of workshops and training. Resource persons will be engaged to assist in the preparation of presentation materials, and make presentations during the in-country workshops and training.

3. The outline terms of reference for consultants are below. The consultants will submit their draft and final reports in English and Mongolian languages to the government and ADB. The reports will be made available online.

4. **Environment (energy) specialist** (international, 4 person-months). The specialist will be responsible for providing support to prepare, compile, and report on the System of Environmental-Economic Accounting (SEEA) energy account for Mongolia. The specialist will work closely with the NSO staff and other TA consultants to introduce international best practices to Mongolia and integrate the findings in the final TA reports. The specialist should have (i) a master's degree in environmental science or related field; (ii) at least 10 years of relevant experience in energy-related projects or TA projects; (iii) preferably 3 years of experience with foreign-funded projects or TA projects; and (iv) experience in Asian countries with cold climates, preferably in Mongolia.

5. Specific tasks will include support for the following activities:

- (i) Review existing experiences and development in environmental accounting, in particular for the SEEA energy account.
- (ii) Review and assess current energy statistics, and prepare the list of data required for the energy accounts.
- (iii) Review and establish the linkages with Sustainable Development Goal (SDG) reporting requirements.
- (iv) Conduct a survey to define the parameters for energy production, consumption, and distribution by industries, and economic sectors and production.
- (v) Finalize the methodology to compile the SEEA energy account.
- (vi) Develop the questionnaire forms and provide support to organize the survey.
- (vii) Provide support for conducting the survey to define household production of renewable and natural energy for own use.
- (viii) Prepare cost estimates of data processing for the survey (develop the software, data entry, coding, and checking).
- (ix) Compile the supply and use table for energy in physical and monetary terms, and estimate the conversion of physical indicators to the energy measurement units.
- (x) Estimate the energy-related green development and sustainable development goals indicators.
- (xi) Develop and prepare reports for the energy account.
- (xii) Support NSO in preparing papers and presentations for international conferences.

- (xiii) Participate in consultation and dissemination workshops.
- (xiv) Support NSO in preparing the inception, interim, and final TA reports.

6. **Environment economist** (international, 4 person-months). The economist will be responsible for providing support to prepare, compile, and report on the SEEA material flow and environmental tax accounts for Mongolia. The specialist will work closely with NSO staff and other TA consultants to introduce international best practices in Mongolia and integrate the findings in the final TA reports. The specialist should have (i) a master's degree in environmental economics, environmental science, or a related field; (ii) at least 10 years of relevant experience in environmental-economics related projects or TA projects; (iii) preferably 3 years of experience with foreign-funded projects or TA projects; and (iv) experience in Asian countries with cold climates, preferably in Mongolia.

7. Specific tasks will include the following:

- (i) Review existing experiences and developments in environmental accounting, in particular for the SEEA material flow and environmental tax accounts.
- (ii) Review and assess current statistical data, and prepare a list of data required for the material flow and environmental tax accounts.
- (iii) Review the conversion factors of metal ore and nonmetal minerals.
- (iv) Review the collection of biomass data.
- (v) Review and establish the linkages with SDG reporting requirements.
- (vi) Finalize the methodology to compile the SEEA material flow account.
- (vii) Finalize the methodology to compile the SEEA environmental tax account.
- (viii) Provide support for implementation of the surveys.
- (ix) Develop and prepare reports for the material flow account.
- (x) Compile the national environmental tax account, by industry.
- (xi) Develop and prepare reports for the environmental tax account.
- (xii) Support NSO in preparing papers and presentations for international conferences.
- (xiii) Participate in consultation and dissemination workshops.
- (xiv) Support NSO in preparing the inception, interim, and final TA reports.

8. **Project management expert** (national, 22 person-months). The expert will be responsible for supporting NSO in coordinating and implementing the TA, in particular for outputs 2 and 3. The expert should have (i) a university degree in environmental economics, natural sciences, or a related field; (ii) at least 8 years of relevant experience in environmental economics-related projects or TA projects; (iii) preferably 3 years of experience with foreign-funded projects or TA projects; and (iv) experience in environmental monitoring or accounting in Mongolia.

9. Specific tasks will include the following:

- (i) Review existing experiences and development in environmental accounting for the compilation of the SEEA accounts.
- (ii) Arrange for and ensure quality control for the translation of project-related documents and methodologies from English to Mongolian and from Mongolian to English.
- (iii) Provide support for liaison among government agencies and other stakeholders.
- (iv) Support the procurement of equipment and engagement of enumerators.
- (v) Participate in consultations of the international experts with relevant government agencies and stakeholders.

- (vi) Organize and coordinate the data collection surveys, in close cooperation with the two international consultants.
- (vii) Review and conduct quality control on the collected data for the three accounts.
- (viii) Organize consultation and dissemination workshops.
- (ix) Support the preparation of the inception, interim, and final TA reports.

10. **Statistician** (national, 20 person-months). The statistician will be responsible for supporting NSO with the data processing for all accounts, in particular for output 2. The expert should have (i) a university degree in statistics or a related field; (ii) at least 8 years of relevant experience in statistical analysis, preferably related to environmental economics; and (iii) preferably 3 years of experience with foreign-funded projects or TA projects.

11. Specific tasks will include the following:

- (i) Support NSO and the consultants with the design of the data collection.
- (ii) Support NSO and the consultants with data processing and quality control.
- (iii) Support NSO and the consultants with the compilation of accounts.
- (iv) Provide support for liaison between government agencies and other stakeholders.
- (v) Participate in consultations of the international experts with relevant government agencies and stakeholders, as considered relevant.
- (vi) Support the organization of consultations and dissemination workshops.
- (vii) Support the preparation of the inception, interim, and final TA reports.

12. **Reports.** Consultants will submit the draft and final reports in English and Mongolian to the government and ADB. The reports will be made available online.