

**BOARD
OF
DIRECTORS**

ASIAN DEVELOPMENT BANK

R126-00
14 June 2000

**TECHNICAL ASSISTANCE TO NEPAL
FOR STRENGTHENING THE NATIONAL STATISTICAL SYSTEM
(FINANCED FROM THE JAPAN SPECIAL FUND)**

The attached Report is circulated for the information of the Board. The President approved the technical assistance on 1 June 2000.

For Inquiries: Ms. D. Maligalig, Economics and Development Resource Center
(Ext. 5768)
Mr. J. Zveglic, Programs Department (West)
(Ext. 6213)

ASIAN DEVELOPMENT BANK

TAR: NEP 32242

TECHNICAL ASSISTANCE
(Financed from the Japan Special Fund)

TO THE

KINGDOM OF NEPAL

FOR

STRENGTHENING THE NATIONAL STATISTICAL SYSTEM

June 2000

CURRENCY EQUIVALENTS

(as of 24 April 2000)

Currency Unit	—	Nepalese Rupee/s (NRe/NRs)
NRe1.00	=	\$0.0143
\$1.00	=	NRs69.76

The Nepalese rupee is pegged to the Indian rupee (Re) at NRs1.60 to Re1.00. It is fully convertible on all current transactions.

ABBREVIATIONS

ADB	—	Asian Development Bank
ASD	—	Agriculture Statistics Division
BSO	—	branch statistical office
CA	—	Census of Agriculture
CBS	—	Central Bureau of Statistics
CLS	—	crops and livestock survey
CNSP	—	consolidated national statistical plan
CPH	—	census of population and housing
EDSD	—	Statistics and Data Systems Division
IMPS	—	Integrated Microcomputer Processing System
LFS	—	labor force survey
MS	—	Microsoft
NLSS	—	national living standard survey
NPC	—	National Planning Commission
NSC	—	National Statistical Council
TA	—	technical assistance

NOTES

- (i) The fiscal year (FY) of the Government ends on 15 July. FY before a calendar year denotes the year on which the fiscal year ends. For example, FY1997 begins on 16 July 1996 and ends on 15 July 1997.
- (ii) In this report, "\$" refers to US dollars.

I. INTRODUCTION

1. The Asian Development Bank (ADB), with the Central Bureau of Statistics (CBS) as the Executing Agency, has just successfully implemented a statistical-capacity-building technical assistance (TA) project.¹ The need for a broader assistance to support CBS and the National Statistical Council (NSC), the highest policy-making body in statistics, in strengthening the whole statistical system of Nepal became evident during the implementation of TA 2861. His Majesty's Government of Nepal requested a follow-up TA for this purpose. A Fact-Finding Mission in December 1999 reached an understanding with the Government on the objectives, scope and implementation of this TA.² The Mission has also discussed the TA with other funding agencies.

II. BACKGROUND AND RATIONALE

2. CBS, as mandated by Statistics Act 2015, is the major statistical agency in Nepal. It conducts the census of population and housing and the census of agriculture (CA) every 10 years. Whenever funding from international aid agencies is available, CBS also undertakes sample surveys like the 1994/95 National Living Standards Survey (NLSS) supported by the World Bank; the 1998/99 Labour Force Survey (LFS), sponsored by the International Labor Organization; and six cycles of the Nepal Multiple Indicator Surveillance Survey, funded by the United Nations Children's Fund. Through these censuses and intermittent surveys, CBS compiles agriculture, social, labor, economic, and environmental statistics. In cooperation with other government agencies and with the coordination of NSC,³ CBS also undertakes the compilation of national accounts.

3. Since most of the surveys that CBS conducts depend on the availability of external funding, they are not done regularly and are designed mainly to collect data but not to build capacity within CBS. Therefore, systems of household and establishment surveys that will support regular and timely compilation of statistics have not been institutionalized. Furthermore, the branch statistical offices (BSOs) that were transferred to CBS from the Department of Food and Marketing Services have not been fully integrated into CBS business processes and thus remain underutilized, especially for data collection purposes. There is also lack of coordination among the various sections of CBS. For example, the national accounts section was not consulted in the design of the LFS survey instruments to ensure that the results could also be used for national accounts. The data processing section is defunct because the other sections preferred to do their own data processing. Also, since CBS does not maintain a working relationship with the local statisticians in the academe, research on statistical methods and use of the census and survey data has not progressed.

4. On the other hand, CBS has shown its capacity to institutionalize the crops and livestock survey (CLS) that TA 2861 (footnote 1) initiated. It was able to obtain government funding for CLS field operations while ADB provided financial support for advisory services and training of BSO and CBS head office staff. CBS needed only minimal assistance from the consultants in the second round of CLS and has undertaken this fiscal year's CLS completely on its own.

¹ TA 2861 NEP: *Supporting Agriculture Statistics Development*, for \$400,000.00 approved on 9 September 1997; completed on 31 March 2000.

² The TA first appeared in *ADB Business Opportunities* (electronic version) in March 2000.

³ In addition to its policy-making role, NSC coordinates the collection of data required in the compilation of national accounts statistics from various government data-producing agencies. It also evaluates the national accounts estimates generated by CBS.

However, CBS still needs technical assistance in planning and training its staff for the forthcoming 2001 CA.

5. A critical issue that was raised during the implementation of TA 2861 was the duplication of the tasks of CBS and the Agriculture Statistics Division (ASD) of the Ministry of Agriculture. While the responsibility for compiling agriculture statistics was transferred to CBS in 1993, it took CBS a while to fully assume this task primarily because of lack of government support and the inadequate skills of staff in this area. Meanwhile, the Government and other data users had to rely on the very subjective estimates that ASD continued to produce. This issue was resolved when ASD indicated that it would focus on producing agriculture forecasts instead.

6. Duplication of tasks among data-producing government agencies, however, is not uncommon and can be resolved by the formulation of a consolidated national statistics plan that can identify the critical statistics required by the Government and the agencies responsible for them. Since this plan can help establish priorities in data production and provide a means for more rational resource allocation among government statistical activities, it can also facilitate the institutionalization of the system of household and establishment surveys at CBS. By promoting good information flow and the use of standard concepts and definitions, the consolidated national statistics plan can also improve the prevalent lack of coordination among agencies involved in the compilation of national accounts.

7. To further support the planning requirements of the Government and to be consistent with the international standards, the national accounts have to be compiled on a quarterly basis instead of the current four-monthly forecast. CLS has been designed to support this process. However, in addition to the agriculture statistics that CLS can provide on a quarterly basis, other data and operational requirements are needed to complete the transition to quarterly compilation of national accounts. The institutionalization of the system of household and establishment surveys will also facilitate the compilation of national accounts.

III. THE TECHNICAL ASSISTANCE

A. Objectives

8. The goal of the TA is to strengthen Nepal's national statistical system. To achieve this, the TA will (i) assist NSC in developing a consolidated national statistics plan (CNSP); (ii) help in implementing the major components of the plan, particularly in the areas of agriculture statistics, national accounts, and poverty monitoring; and (iii) assist in the reorganization of CBS to create a structure that will be more efficient and responsive to the requirements of a CNSP. The framework of the TA is in Appendix 1.

B. Scope

9. The development of a CNSP⁴ that will identify the most critical statistics required to support government policy formulation and decision making is the most important and necessary step toward strengthening Nepal's national statistical system. The CNSP will establish priorities for data production and provide a means for a more rational allocation of the very limited government resources. To do that, it will identify the official source (producer) of various statistics and the corresponding data frequency. The TA will provide technical advice

⁴ The National Planning Commission (NPC) has endorsed the formulation of the CNSP and has enjoined CBS, even without this TA, to begin the process. Because of NPC's full support, the quick ratification of CNSP is expected.

and fund consultative workshops among the government agencies, data users and the international funding community to promote the formulation of the CNSP.

10. The reorganization of CBS to complement the requirements of the CNSP is expected to be one of the first steps in the implementation of the plan. A technical secretariat to NSC will also have to be established to correspond with government agencies and monitor the implementation of the plan. Through the provision of advisory services and funding of consultative and dissemination workshops/seminars, the TA will support the reorganization and the formulation of a comprehensive work program for CBS and the technical secretariat.

11. The current data requirements for government planning and policy formulation in Nepal are focused on national accounts, agriculture, and poverty monitoring; therefore, these areas are considered the three major components of the CNSP. The TA will support the implementation of the CNSP in these components by providing advisory services and by funding training, special studies, and surveys. The TA will also help ensure the sustainability of the CNSP by assisting CBS in discovering and harnessing other sources of technical advice through the promotion of local research using the large survey data of CBS. The TA will provide small research grants and support workshops on the following areas: use of the CLS data, poverty research, and crop situation and outlook reporting. The consultants will use research results to further improve CLS methods and the operations plan, and poverty monitoring and analysis. If successful, this activity could be funded by the Government in the future.

12. One of the expected results of the CNSP is a better coordinated NSC. The resolution of data gaps in national accounts and, consequently, the improvement of the quality of the national accounts estimates are expected. The TA will provide advisory services to assist CBS in developing a better estimation/compilation framework for national accounts. It will also promote, through NSC, the use of international standard classification for industry, commodity, and other components of national accounts. Also, following the strategy that was established in CLS where ADB funded the design and planning while the Government supported the field operations of this survey, the TA will support the institution of systems of surveys for households and establishments (or enterprises) and the results will be used in the estimation of national accounts and poverty analysis. It will also support other special surveys or studies that may be needed to improve the compilation of national accounts. This support will be given to the agencies assigned to these activities by the CNSP.

13. Agriculture, being the most dominant economic sector in Nepal, constitutes the core of government planning. It is therefore anticipated that the CNSP will consider agriculture statistics as one of its priority areas. To assist in the CNSP implementation, the TA will continue supporting agriculture statistics development by providing technical advice on the design, operations, and processing of the 2001 CA. The TA will provide advisory services for the preparation of questionnaires, manuals, census operations plan and training materials, and the training of enumerators and supervisors, while the Government will fund the field operations of the 2001 CA. To accelerate the generation of results from the census, the TA will continue the decentralization of data processing in the hills BSOs⁵ by providing the BSO staff with computing equipment and training in the use of computers, basic troubleshooting, data entry, and editing. When implementation of this partial decentralization is completed, only the questionnaires from mountain BSOs will be processed at CBS central office. The refinements of CLS methodologies

⁵ The BSOs are classified according to the three major topological areas in Nepal: terai (plains), hills, and mountains.

and the design of an annual refresher course for enumerators and supervisors, and special studies and surveys in this area will be supported.

14. Poverty reduction has been highlighted in the Government's current agenda; hence, it is certain that poverty statistics will also be a main concern of the CNSP. CBS has done poverty analysis on the basis of the 1994/95 NLSS. However, since CBS does not conduct regular household surveys, poverty measurement has not been updated. The TA will, therefore, assist in improving the current CBS poverty measurement methodology, and the data requirements of the improved methodology will be incorporated in the system of household surveys to ensure regular production of poverty statistics.

15. The TA will undertake training programs in the major areas of the CNSP. The CBS enumerators and supervisors will be given an annual refresher course in CLS and training in the field operations of CA 2001, surveys of households and establishments, and special surveys. The TA will also support training in processing and analysis of the 2001 CA results as well as workshops on objective area and yield measurements. Periodic meetings between major data users and producers will be held through consultative and dissemination workshops on the CNSP, the reorganization of CBS, the improvement of national accounts estimates, and poverty analysis. An apprenticeship program on the three major areas of the CNSP in another country's national statistical office will be offered to some deserving CBS staff. Formal training of newly hired CBS staff will be designed and implemented by the TA. Study visits of CBS and other NSC members may also be considered.

C. Cost Estimates and Financing Plan

16. The TA is estimated to cost \$970,000 equivalent, of which \$636,000 is the foreign exchange cost and \$334,000 equivalent is the local currency cost (Appendix 2). The Government has requested ADB to finance \$770,000 equivalent covering the entire foreign exchange cost and a portion of the local cost amounting to \$134,000. The TA will be financed by ADB on a grant basis from the Japan Special Fund, funded by the Government of Japan. His Majesty's Government of Nepal will finance the balance of the local currency cost equivalent to \$200,000, representing the cost of conducting the sample surveys, the printing of questionnaires, manuals and reports, counterpart staff salaries, use of office facilities, and other administrative overhead.

D. Implementation Arrangements

17. The implementation of the TA, which is anticipated to begin during the second quarter of 2000, will be spread over 36 months, with completion by June 2003. The Central Bureau of Statistics (CBS) will be the Executing Agency. Aside from its administrative functions, CBS will (i) provide counterpart staff to the consultants, (ii) be responsible for seeking government funding for surveys, and (iii) render administrative and technical support to the consultants.

18. The Statistics and Data Systems Division (EDSD) of the Economics and Development Resource Center (EDRC), in collaboration with Division 1 of Programs West and the Nepal Resident Mission, will administer the TA. Close coordination with other funding agencies, particularly the Food and Agriculture Organization, the United Nations Economic and Social Commission for Asia and the Pacific, and the World Bank will reduce duplication of activities. TA monitoring and review will be done through the ADB missions, correspondence including e-mail, and reports of consultants. The EDSD project officer will coordinate all the activities of the

TA and will act as liaison with CBS. CBS will submit an assessment report and recommendations for future action after completion of each major activity.

19. The TA will engage international consultants⁶ with the following skills (person-months in parentheses): statistics office management (4), agricultural census operations (1), agriculture statistics (4), national accounts (2), household surveys (1), survey of establishments (1), and poverty analysis (1). These consultants will provide advisory services to CBS as well as act as trainers in training programs that the TA will support. The following middle-level consultants from other developing member countries (DMCs) will also be recruited (person-months in parentheses): data processing specialist (12), survey operations specialist (10) and national accounts specialist (5). The middle-level consultants will provide on-the-job training for CBS staff and render technical support to the international consultants. Domestic consultants on objective area measurements (4), statistical analysis (6), and poverty analysis (8) will also be engaged. The EDSD project officer will coordinate the various activities of the consultants, who will be selected individually and will be engaged in accordance with ADB's *Guidelines on the Use of Consultants* and other arrangements satisfactory to ADB for the engagement of domestic consultants. The terms of reference of all consultants are in Appendix 3.

20. A research committee chaired by CBS and the agriculture statistics expert and poverty analysis specialist as members will be formed to screen research proposals. Research grants will be given to local institutions or individuals who pass the thorough screening process of the research committee.

21. A vehicle to be procured under the TA will be used in the survey operations. The purchase of computers and other durable equipment from TA proceeds will be undertaken in accordance with ADB's *Guidelines for Procurement*. The vehicle and equipment will be turned over to CBS upon completion of the TA.

IV. THE PRESIDENT'S DECISION

22. The President, acting under the authority delegated by the Board, has approved the provision of technical assistance, on a grant basis, to His Majesty's Government of Nepal in an amount not exceeding the equivalent of \$770,000 for the purpose of Strengthening the National Statistical System, and hereby reports such action to the Board.

⁶ An international consultant with several of the skills listed is preferred so that he/she can maintain a continuous relationship with counterpart staff in CBS.

TECHNICAL ASSISTANCE FRAMEWORK

Design Summary	Performance Targets	Project Monitoring Mechanisms	Assumptions and Risks
1. Goal To strengthen the national statistical system of Nepal	A national statistical system with a realistic work program, efficient organizational structure, and technically competent staff	Reorganization of the National Statistical Council (NSC) and Central Bureau of Statistics (CBS); completion of a consolidated national statistics plan	Government support in terms of budget for regular surveys
2. Purpose a. Assist the NSC in developing a consolidated national statistics plan	A consolidated national statistics plan accepted by the Government	Government's implementation of the consolidated statistics plan	Cooperation of various data-producing government agencies; support of the National Planning Commission (NPC)
b. Assist in reorganizing CBS to form a more efficient and responsive structure	A more efficient organization structure of CBS	CBS' timely and satisfactory completion of project activities and other functions	Cooperation of CBS staff and top management; support from NSC and NPC
c. Assist CBS in improving its compilation of national accounts	Reduction of data gaps and compilation of quarterly national accounts estimates	Generation of quarterly national accounts estimates; review missions, consultant's report	Cooperation of various government agencies involved in the compilation of national accounts; availability of good consultants and counterparts
d. Continue support for agriculture statistics development	Improved and timely generation of estimates; well-planned 2001 Census of Agriculture (CA)	Prompt and satisfactory generation of statistics from 2001 CA; CBS' and consultant's reports	Availability of good counterparts and consultants; government support in the 2001 CA field operations
e. Assist CBS in developing a poverty monitoring system	Regular updates of poverty estimates that are useful to the Government and the Asian Development Bank (ADB)	Timely generation of poverty estimates needed by the Government and ADB	Government's support for a household survey operations; availability of good counterpart staff and consultants
3. Activities a. Development of coordinated national statistics plan	Completion of the coordinated national statistics plan	Government's acceptance of the coordinated national statistics plan	Cooperation of all government data-producing agencies
b. Reorganization of CBS	CBS' more efficient discharge of responsibilities	Consultants' assessment, review mission, prompt and satisfactory generation of statistics by CBS	CBS' staff cooperation and understanding of the reorganization process
c. Preparation for the 2001 CA	Satisfactory implementation of 2001 CA operations plan	CBS' report on the 2001 CA and its prompt generation of results	Government support for the 2001 CA operations

Design Summary	Project Targets	Project Monitoring Mechanisms	Assumptions and Risks
d. Crops and livestock survey	Improved CLS methodologies and more well-trained CBS staff	Timely CBS publications; consultant's evaluation and review missions	Regular budget appropriation for CLS
e. Objective area and yield measurement survey	Expanded area and crop coverage of the survey	Use of survey results in CLS data validation; CBS report and consultant's evaluation	Availability of good counterpart staff given the 2001 CA and 2000 census of population and housing (CPH)
f. Survey of fishponds and inland river fish catch	Statistics on fish production	CBS' timely publication of results; utilization of the statistics by other government agencies	Availability of good counterpart staff given the 2001 CA and 2000 CPH
g. Survey of commercial meat and poultry production	Expanded area coverage of this survey	CBS' timely publication of results; utilization of the statistics by other government agencies	Availability of good counterpart staff given the 2001 CA and 2000 CPH
h. Promotion of local research	Increase in published / refereed researches in poverty and agriculture statistics	Research conferences; consultant's evaluation; review missions	Participation of local statisticians; availability of reviewers
i. Poverty research and analysis	Regular updates and more useful poverty estimates	Regular publication or report on poverty	Government support for a national household survey
j. Improvement of national accounts compilation	Quarterly national accounts with smaller data gaps	Publication of estimates, consultant's report	Cooperation of all concerned government agencies
k. Establishing a system of establishment surveys	Regular and satisfactory conduct of a system of establishment surveys	Publication of results, consultant's report	Government support for this system of surveys
l. Establishing a system of household surveys	Regular and satisfactory conduct of a system of household surveys	Publication of results, consultant's report	Government support for this system of surveys
m. Apprenticeship programs	Upgraded skills of trainees	Trainees' performance at work after apprenticeship; CBS and consultants' assessments	Potential trainees who are quick learners; availability of host institutions

COST ESTIMATES AND FINANCING PLAN
(\$'000)

Item	Foreign Currency	Local Currency	Total Cost
A. ADB Financing			
1. Advisory Services: International Consultants			
a. Remuneration (14 person-months)	196		196
b. Per Diem	61		61
c. Airfare and Other Expenses	23		23
2. Advisory Services: Middle-Level Consultants from other DMCs			
a. Remuneration (27 person-months)	88		88
b. Per Diem	118		118
c. Airfare and Other Expenses	10		10
3. Advisory Services: Domestic Consultants			
a. Remuneration (18 person-months)		36	36
4. Workshop, Seminars, In-Country Training		68	68
5. Vehicle	20		
6. Computing and Training Equipment	40		60
7. Apprenticeship Program	30		30
8. Special Studies and Surveys	5	10	15
9. Miscellaneous Administrative Expenses		5	5
10. Research Grant		10	10
11. Contingency	45	5	50
Subtotal (A)	636	134	770
B. Government Financing			
1. Salaries and Wages of Counterpart Staff		30	30
2. Survey Operations Expenses		132	132
3. Printing of Survey Instruments		30	30
4. Miscellaneous Administrative Expenses		8	8
Subtotal (B)		200	200
Total	636	334	970

TERMS OF REFERENCE

A. International Consultants

1. Statistics Office Management Expert (4 person-months)

1. The expert on statistics office management will have extensive technical background and experience in the administration of a national statistics office (NSO). Heads or top management of a NSO in a member country of the Asian Development Bank (ADB) will be ideal candidates. The expert will perform the following tasks:

- (i) assist the Central Bureau of Statistics (CBS) in establishing the consolidated national statistics plan and in identifying statistics that can be derived from administrative forms and those to be derived from surveys;
- (ii) advise CBS in its reorganization process, and in developing a comprehensive work program for CBS and its branch statistical offices (BSOs);
- (iii) prepare the materials for consultative and dissemination workshops that will be organized to support the development of the consolidated national statistics plan and the reorganization of CBS; and
- (iv) submit a completion report to CBS and ADB three days before the end of the engagement.

2. Agriculture Census Operations Consultant (1 person-month)

2. The agriculture census operations expert must have a strong background in sample survey design, operations, and analysis, with experience in agriculture census operations. He/She will

- (i) assist CBS in developing an operations plan for the 2001 census of agriculture;
- (ii) spearhead the preparation of census operations manual, control forms, and training materials for the enumerators and supervisors;
- (iii) assist CBS in training the enumerators and supervisors; and
- (iv) submit a completion report to CBS and ADB three days before the end of the engagement.

3. Agriculture Statistics Consultant (4 person-months)

3. The agriculture statistics consultant must have a strong background in sample survey design, operations, and analysis, with experience in agriculture statistics. He/She will

- (i) assist CBS in refining the crops and livestock survey (CLS) methodologies;
- (ii) help CBS in expanding the survey of commercial meat production and the objective yield and area measurement survey;
- (iii) assist CBS in developing a survey on fishponds and inland river fish catch;
- (iv) review research proposals and guide selected research on the use of CLS data;
- (v) assist CBS and the statistics office management expert in establishing a consolidated national statistics plan and in the reorganization of CBS;
- (vi) coordinate with the agriculture census operations consultant in developing a technical and operations plan for the 2001 census of agriculture; and
- (vii) submit a completion report to CBS and ADB three days before the end of the engagement.

4. National Accounts Consultant (2 person-months)

4. The responsibilities of the national income accounts expert will be to

- (i) assist CBS in improving the compilation of national accounts statistics;
- (ii) identify data gaps and develop methodology for estimating quarterly accounts;
- (iii) train CBS staff in compiling of quarterly accounts;
- (iv) assist CBS in establishing the International Standards for Industry and Commodity Classification that will also be disseminated and used by other government agencies;
- (v) assist the statistics office management expert in the development of a consolidated national statistics plan and in identifying which statistics can be derived from administrative forms and those to be derived from sample surveys; and
- (vi) submit a completion report to CBS and ADB three days before the end of the engagement.

5. Household Sample Survey Consultant (1 person-month)

5. A household sample survey consultant who is adept in household sample survey design, operations, and analysis will be hired to perform the following tasks:

- (i) assist CBS in planning and implementing a system of household surveys;
- (ii) help CBS in developing survey instruments for the system of household surveys; and
- (iii) submit a completion report to CBS and ADB three days before the end of the engagement.

6. Survey of Establishments Consultant (1 person-month)

6. A survey of establishments consultant who is adept in establishment sample survey design, operations, and analysis will be hired to perform the following tasks:

- (i) assist CBS in planning and implementing a system of establishment surveys;
- (ii) help CBS in developing survey instruments for the system of establishment surveys; and
- (iii) submit a completion report to CBS and ADB three days before the end of the engagement.

7. Poverty Analysis Consultant (1 person-month)

7. A poverty analysis consultant who has good background in poverty analysis will be recruited to perform the following tasks:

- (i) assist CBS in evaluating research proposals and guide selected researches in poverty analysis;
- (ii) help CBS in developing and implementing a plan to generate poverty estimates from the household survey that will be conducted; and
- (iii) submit a completion report to CBS and ADB three days before the end of the engagement.

B. Middle-Level Consultants from Other DMCs

1. Data Processing Specialist (12 person-months)

8. A middle-level data processing specialist who has in-depth knowledge of integrated microcomputer processing system (IMPS) and who has wide experience in Microsoft (MS) Office and other statistical analysis software will be hired to perform the following tasks:

- (i) assist CBS in decentralization of data processing in the hills branch statistical offices (BSOs);
- (ii) assist CBS and the consultants in processing and analyzing various survey data that will be collected under this TA;
- (iii) give on-the-job and formal training to CBS staff on the use of IMPS, MS Office applications, and other software needed to process survey data and publish the results of surveys;
- (iv) train CBS head office and BSOs staff on the various steps of data processing: data entry, editing, and analysis; and
- (v) submit a completion report to CBS and ADB three days before the end of the engagement.

2. Survey Operations Specialist (10 person-months)

9. A middle-level survey operations specialist who has experience in survey operations will be engaged to perform the following tasks:

- (i) assist CBS, the agriculture census operations consultant, and agriculture statistics consultant in developing the 2001 census of agriculture operations plan;
- (ii) help CBS and the household sample survey consultant in developing and implementing the plan for a system of household surveys; and
- (iii) assist CBS and the survey of establishments consultant in developing and implementing the plan for a system of establishment surveys;
- (iv) help CBS and the poverty analysis consultant in generating poverty estimates from the household survey that will be conducted; and
- (v) submit a completion report to CBS and ADB three days before the end of the engagement.

3. National Accounts Specialist (5 person-months)

10. A national accounts specialist who is knowledgeable in the compilation of quarterly accounts will be hired to perform the following tasks:

- (i) assist CBS and the national accounts consultant in the compilation of quarterly accounts;
- (ii) help CBS and the national accounts consultant in disseminating the use of standard classification codes;
- (iii) government agencies' staff in national accounts; and
- (iv) submit a completion report to CBS and ADB three days before the end of the engagement.

C. Domestic Consultants

1. Objective Area Measurement (4 person-months)

11. A local geodetic engineer will be engaged to perform the following tasks:

- (i) train CBS staff in various objective area measurement techniques;
- (ii) improve the objective area measurement manual that was developed under TA 2861;
- (iii) assist CBS and the agriculture statistics expert in the field operations of the objective area and yield measurement; and
- (iv) submit a completion report to CBS and ADB three days before the end of the engagement.

2. Statistical Analysis (6 person-months)

12. A local statistician will be engaged to perform the following tasks:

- (i) assist CBS in analyzing CLS and other survey data;
- (ii) assist CBS and other consultants in preparing survey instruments and in survey operations; and
- (iii) submit a completion report to CBS and ADB three days before the end of the engagement.

3. Poverty Analysis (8 person-months)

13. A local statistician will be engaged to perform the following tasks:
 - (i) assist CBS in generating new poverty estimates and analysis;
 - (ii) assist CBS and other consultants in preparing survey instruments and in survey operations; and
 - (iii) submit a completion report to CBS and ADB three days before the end of the engagement.