

Nepal - Survey of Own Account Construction (Rural) 1993, Second Round

**Central Bureau of Statistics - National Planning Commission Secretariat, His
Majesty's Government**

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Overview

Identification

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NPL-CBS-SOAC-1993-V0

Version

VERSION DESCRIPTION
Version 0 - no microdata available

PRODUCTION DATE
1994-07

Overview

ABSTRACT

Own-account construction which are primarily undertaken by households contribute output that occupy a significant share in the total volume of construction. The trend of residential construction is likely to keep on increasing each year. Obviously, policies related to the supply of construction materials as well as proper planning may need to be reviewed and reformulated specially in the area of residential construction. The present survey result is hoped to certainly shed some light in the area of rural residential construction for data users and with more exchange of views more relevant data can be generated in similar survey to be undertaken in the future.

In the context of Nepal a large part of economic activities function in an unorganized way. Similarly construction work, although in large proportions are carried out by large private or public enterprises, government departments, those undertaken on own account by individuals also comprise a significant chunk.

An attempt to translate the burgeoning residential construction undergoing in the urban centers of Kathmandu valley and other municipalities into meaningful figures was made in the previous survey of own account construction (urban). Similarly, own account construction undertaken in the rural areas equally deserve attention in being transformed to meaningful figures. The simple fact that 90 percent of the total land area which are rural in character warrants this step to be taken. Policies concerning decentralized planning at the district and the village level are most likely to search for information about rural character. This is indeed a small step towards that direction.

The survey intends to focus its findings primarily in the contribution made by own account construction (Rural) over the total output of construction. Findings in terms of cost incurred, living area constructed and other information is expected to support rural planning and supplement data required for National Accounts estimates.

The main objectives of the survey are:

- (a) to estimate the total cost of own account construction (rural) carried out by households or individuals by different strata in the rural areas of the country; and
- (b) to determine the cost components used in different types of buildings constructed.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
Household

Scope

NOTES

Construction Industry and Construction Activity:

Construction work in most countries are carried out by a wide variety of units including large private or public construction enterprises, government departments, individuals working on own account and other units whose main activities lie in other industries but which undertake construction work.

Coverage

GEOGRAPHIC COVERAGE

Rural Areas of Nepal.

UNIVERSE

Households in rural areas carrying out own account construction.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Central Bureau of Statistics	National Planning Commission Secretariat, His Majesty's Government

OTHER PRODUCER(S)

Name	Affiliation	Role
Central Bureau of Statistics	National Planning Commission Secretariat, His Majesty's Government	

FUNDING

Name	Abbreviation	Role
His Majesty's Government	HMG	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Central Bureau of Statistics	CBS	National Planning Commission Secretariat, HMG	Metadata Documentation

DATE OF METADATA PRODUCTION

2012-03-12

DDI DOCUMENT VERSION

Version 1 (March 2012)

DDI DOCUMENT ID

DDI-NPL-CBS-SOAC-1993-v01

Sampling

Sampling Procedure

1. Survey Frame

This survey is designed based upon the area sampling method. All wards under the administration of the Village Development Committees (VDe) constitute the survey frame. Besides, wards under three newly declared municipalities viz. Gaur, Byas (Damauli) and Tulsipur which were not covered by the Survey of Own Account Construction (Urban) were also included in the frame. While preparing the survey frame problems related to the recent change in the boundaries and name of the VDC's were encountered. Since the base data for the frame (number of VDC's, area under VDC's and number of household by VDC's and by wards etc.) were obtained from the results of Population Census-1991, these changes were ignored. That means if the selected ward was found affected from the changes then the area was surveyed in the boundaries at the date of Population Census-1991.

2. Stratification

Following the criteria used in the Urban Own account Construction Survey whole rural area was divided into three strata: Kathmandu Valley, Hills and Tarai. Besides, two domains (Domain I and Domain II) were formed in each stratum. Formation of such domains became necessary in order to separate some semiurbanized centers (Domain I), especially the adjoining areas of several municipalities administered yet by the Village Development Committees from the rest of rural area (Domain II). It was assumed that the type, size and quality of construction activities in these area significantly differ from those in the rest of rural area. According to this classification three newly declared municipalities not covered by the Urban Survey automatically fall in Domain I. Separation of area for Domain I was made at the ward level.

3. Sample size and allocation scheme

The Survey of Own account Construction (Rural) designed with a single stage sampling procedure has considered a VDC ward as the sampling unit. In each stratum within the domain, wards were selected directly from the frame. All VDC's were arranged according to the geographical location of their districts in the direction from east to west and the wards were selected based on serpentine systematic sampling procedure starting from the north corner of the easternmost part. Selection of the wards in each domain was made independently. A suitable sample size based on a calculated variance could not be exercised due to lack of appropriate data. However, some auxiliary information were analyzed in finding a way out to determine the sample size. In a previous survey on economic activities conducted by CBS, around 5 % households in rural wards were found engaged in own account construction. Similarly, on the basis of the urban part of this survey it could be assumed that the observation of around 500 ultimate sampling units (households engaged in own account construction activities) can provide estimates at the statistically acceptable level of precision. So, sample size was determined at 100 wards. Ultimately, 102 wards were selected and 633 households (identified as engaged in own account construction activities during the reference period) from those selected wards were interviewed.

For more details please refer to the Report on The Survey of Own Account Construction (Rural), Section 4 (Sampling Design).

Weighting

Please refer to the Report on The Survey of Own Account Construction (Rural), Section 5 (Estimation Procedure).

Questionnaires

Overview

1. INFORMATION ON CONSTRUCTION WORK
2. PERIOD OF CONSTRUCTION :
3. INFORMATION ON MATERIAL COST
 - A. Own Production
 - B. Purchased
4. INFORMATION ON LABOUR COSTS
5. Total cost of construction
- 6.1 Number of residents (to be asked only for completed building)
- 6.2 Liquid waste disposal

Data Collection

Data Collection Dates

Start	End	Cycle
1992	1993	N/A

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

A detailed questionnaire was administered to interview the household head belonging to each building identified through the listing operation to have been constructed during the reference year. Emphasis was given in the collection of data regarding the cost and volume of construction put in place during the reference period. The methodology applied in the survey in general is similar to that of own account construction (Urban) done previously. This has been followed in order to make the two results compatible.

Questionnaires

1. INFORMATION ON CONSTRUCTION WORK
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Data Collectors

Name	Abbreviation	Affiliation
Branch Statistical Office	BSO	Central Bureau of Statistics

Supervision

During the survey, All necessary training, managements are done by National Account Section, CBS and BSO Office. Field work was supervised by BSO Heads.

Data Processing

Data Editing

All necessary editing of raw data was done manually as well as through computer. Data entry was made through d-Base Programme and output tables were generated through SPSS PC+.

Other Processing

The enumerated data was collected through BSO and brought to CBS. During data entry d-Base Programme was use and output tables were generated through SPSS PC+.

Data Appraisal

Estimates of Sampling Error

Please refer to the Report on The Survey of Own Account Construction (Rural), Section 5 (Estimation Procedure).

File Description

Variable List

Documentation

Reports

Survey of Own Account Construction (Rural) 1993, Report

Title	Survey of Own Account Construction (Rural) 1993, Report
Author(s)	Central Bureau of Statistics
Date	1994-07-01
Country	Nepal
Language	English
Contributor(s)	Central Bureau of Statistics
Publisher(s)	Central Bureau of Statistics
Description	Final Report of The Survey of Own-Account Construction 1993. <ol style="list-style-type: none"> 1. Introduction 2. Objective of the survey 3. Scope and coverage 4. Sampling design <ol style="list-style-type: none"> 4.1 The Survey Frame 4.2 Stratification 4.3 Sample size and its allocation 4.4 Date Collection and processing 4.5 Estimation procedure 5. The Report 6. Major Findings of the survey 7. Statistical Tables 8. Questionnaires
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Other materials

Survey of Own Account Construction (Rural) 1993, Sampling Error

Title	Survey of Own Account Construction (Rural) 1993, Sampling Error
Author(s)	Central Bureau of Statistics
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