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Current Status of National Accounts Cambodia

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Background of Cambodian National Accounts

- The System National Accounts of Cambodia (SNAC) was established in 1993 under the project to Develop the Statistical System for the National Institute of Statistics with technical assistant from ADB .
- SNAC was based on 1968 UN System of National Accounts and continuing works to adopt the UNSNA1993.
- Two methods were compiled namely: **Production** and **Expenditure** approaches and both expressed in current and constant prices.

Background of Cambodian National Accounts (Con't)

- The SNAC was rebased in 2000.
- Technical assistant from IMF (Multi-Statistics Advisor)
2001-2007
- In late 2005 the Quarterly National Accounts (QNA) was released first time and this work is continued onward.
- Time lag is 6 months for annual national accounts and 3 months for quarterly national accounts.

The Estimation of National Accounts

- Two approaches were used to estimate the GDP :
 - GDP by production approach
 - GDP by expenditure approach
- Both approaches were expressed in current and constant prices
- The constant prices refer to the values for current year valued at base year 2000

Estimation of National Accounts (con't)

- GDP by production: Sum of Gross Value Added (GVA) of :
 - Agriculture sector
 - Industry sector
 - Services sector
- and tax on production less subsidies and FISIM

Estimation of National Accounts (con't)

- Agriculture sector: methods using to calculate gross value added for agriculture are:
 - ⇒ Gross Output
 - ⇒ Gross value added ratio (GVAR)= $GVA / Output$
 - ⇒ $GVA = Output \times GVAR$
 - ⇒ Commodity flow technique for counter check
- Price indices were use to deflate current price to get constant prices

Estimation of National Accounts (con't)

- Industry sector: methods using to calculate gross value added for industry sector are:
 - ⇒ Gross Output
 - ⇒ Gross value added ratio (GVAR)= $GVA / Output$
 - ⇒ GVA per worker
 - ⇒ $GVA = Output \times GVAR$
- Price indices were use to deflate current price to get constant prices

Estimation of National Accounts (con't)

- Service sector: methods using to calculate gross value added for service sector are:
 - ⇒ Gross Output
 - ⇒ Various techniques used to derived GVA
- Price indices were use to deflate current price to get constant prices.

Estimation of National Accounts (con't)

- GDP Expenditure : Components of GDP expenditure are:
 - HFCE
 - GFCE
 - NPISH
 - GFCF
 - Change in inventories
 - Import-Export

Data collection

Data sources

- Ministry of Agriculture, Forestry and Fisheries (MAFF);
- GSP exports data from the Ministry of Commerce (MOC) until 2003;
- Electricity supply data from Electricity de Cambodge (EDC);
- Ministry of Construction, Land Management and Urban Planning (MOCLMUP);
- SESC 1993-94, 1996, 1997, 1999 and 2004

Data collection

Data sources

- Ministry of Public Works and Transport (MOPW&T)
- Ministry of Post and Telecommunications (MOPTC)
- Visitor arrivals data compiled by the Ministry of Tourism (MOT) from Ministry of Interior (MOI) immigration data;
- Government finance statistics (TOFE)
- Exchange and interest rates, monetary and financial statistics and balance of payments (BOP) statistics compiled by the National Bank of Cambodia (NBC);
- Non-government organizations actual expenditure and foreign investment approvals data from the Council for the Development of Cambodia (CDC)

Data collection

Data sources

- Cambodian Socio-Economic Surveys (CSES) for 1993-1994, 1996, 1997, 1999 and 2004;
- **Survey of Industrial Establishments (SIE) for 1993, 1995 and 2000;**
- Demographic Survey of 1996;
- Consumer Price Indices (CPI) for Phnom Penh from 1994 onwards and Urban Cambodia CPI from 2000 onwards;
- Producer Price Indices (PPI) from 2000 to 2003;

Data collection

Data sources

- Quarterly Survey of Establishments (QSE) for Manufacturing Establishments and Hotels 1996-1999;
- Monthly Construction Permit Survey (MCPS) until 2003;
- Survey of Retail Trading Units (SRTU) 1996-1999;
- Labour Force Surveys (LFS) in Phnom Penh, 1997-1998 and Cambodia in 2000 and 2001;
- General Population Census 1998 and revised Population Projections, Cambodia 2004 and 2005;

Rebased and linking

- The national accounts will be rebased to the 2007 reference period.

Issues:...

- Data sources
 - Survey data are not enough and frequently
 - Administrative data have much improvement but quality still a problem and late.
 - Other study data not frequently update.
- Methodology
 - Methodology for new data sources
- Timeliness: data provides by relevant organizations come in late. National accounts compilers have to rush to be on date.

Future plan

- Rebase year to 2007 prices in 2008
- Incorporate data from CSES 2007, Establishment Survey 2006-2007
- Continuing to improve source and quality of data
- Continuing to improve consistency with SNA 1993 standards.
- Human Resource Development



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Thank you