

Country Presentation of Gross Output and Intermediate Consumption Matrices (SUT) –India

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OUTLINE OF PRESENTATION

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- SPECIFIC DATA SOURCES
- METHODOLOGY
- **SUMMARY Of RESULTS AND FINDINGS**
- ISSUES AND PROBLEMS ENCOUNTERED

BACKGROUND

- **The first Input Output Transactions Table (IOTT) for 1968-1969.**
- **Since then, the CSO brought out the Reports on IOTT for the reference years:
1978-1979, 1983-1984 ,1989-1990,1993-94,
1998-99, 2003-04 and 2006-07.**
- **Preparation of Annual Supply Use Table Taken Up for SNA- 93 compliance.**

CHOICE OF BASE YEAR

FOR ANNUAL NATIONAL ACCOUNTS

- **Current Series Base Year 1999-2000 (2006)**
- **Previous series base years**
 - 1948-49 (1956)
 - 1960-61 (1967)
 - 1970-71 (1978)
 - 1980-81 (1988)
 - 1993-94 (1999)
- **Next series base year planned 2004-05 (2009)**
- **Choice of base years**
 - **Previously population census years**
 - **Currently, the NSS employment-unemployment survey year**

FOR SUPPLY USE TABLE

- **2003-04 , The Year of Latest Published IOTT**

SPECIFIC DATA SOURCES

- Land Use Statistics and crop cutting experiments
- Cost of Cultivation Studies
- Returns in Specific Formats of Item wise Inputs of Mining And Quarrying Establishments.
- Special studies on Input structures of Various Sectors
- Budget documents
- Annual accounts of corporations
- Annual and periodic enterprise surveys
- Labor force surveys
- Merchandise external trade and BoP statistics

LEVELS OF DISAGGREGATION

- Three Digit level of ISIC- Rev 3.1 for Industry Sectors
- Two, Three, Four Digit Level of CPC- 1.1 for Product Sectors
- **CLASSIFICATIONS USED**
 - ISIC REV- 3.1
 - CPC VER - 1.1
 - HS
 - COFOG
 - COICOP

COMPILATION METHODOLOGY

The output, intermediate consumption at basic price and purchasers' price respectively from usual 17 industrial sectors of Annual Accounts are broken up into 3-digit ISIC-3.1-Industry Sector-wise values as follows :

- For agriculture, forestry, fisheries and mining, the estimates of output, intermediate consumption are bifurcated based on product/crop estimates from the basic work sheets.
- For manufacturing sectors output is broken into 3-digit from ASI data and the control values are apportioned using these ratios, maintaining the consistency NAS figures for manufacturing sector.

METHODOLOGY (Continued)

- For the Construction and Services sectors, GVA is broken into 3-digit ISIC-3.1 based on the of work force estimates and the ratio of output to work force.
- The Trade row in the IC matrix at purchaser price has to be Zero. Also the rows of Transport Sectors (Road, water, air, via pipelines, supporting services to transport) will have the values of the passenger earnings only. The freight charges would be merged as transport margins in the rest of the sectors at purchaser price.
- The output and intermediate consumption thus generated are taken as control figures for the output and IC matrices.
- The IOTT X ISIC 3-digit and IOTT X CPC-1.1 concordances are used to generate the cell values of the matrices.

SUMMARY Of RESULTS AND FINDINGS

Summary of Findings can be made only when:

- Complete Use Matrix Prepared.**
- TTM and Tax Vectors are Prepared.**

However The Findings In The Process of Preparation of These Matrices are as Follows:

If The Matrices are Prepared directly from Survey Data:

- Large Manual Checking/Balancing is needed.**

SUMMARY Of RESULTS AND FINDINGS (Continued)

- Primary Products Shown as Outputs of Manufacturing Industries Needs to Be Adjusted.
- 10 – 20 Percent of Inputs/ Imported Inputs/Outputs shown as “Others” Needs to Be Classified in Appropriate Cells.
- Software Package Needed to Process Huge Data.

Thus If IOTT is Available Where All the Above Steps Are Well Taken Care of

- The Methodology Discussed Seems To Be Appropriate

ISSUES AND PROBLEMS ENCOUNTERED

PROBLEMS FACED

- Lack of source data
- Focused Trade Survey
- Direct Use of ASI Data for S-U Table, Involve lot of Manual Balancing.
- Consistency of Product Totals Could Not be Checked Due to Non Finalization of Complete Use Vectors.
- Many to One And One to Many Cases of Concordances (ISIC x IOTT And (CPC x IOTT)

ISSUES

- Training
- Internal demands

FUTURE PLANS

- SUPPLY-USE TABLES BY JANUARY, 2010
- SUBSEQUENTLY ANNUAL S-U TABLE

THANKS