



Women in Informal Employment  
Globalizing and Organizing

## Establishment Surveys as a Source of Data on GDP Estimation

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### Method of Estimation of GDP Contribution of Informal Economy

- Direct Method
- Indirect Method ( Labour Input Method)

## Sources of Data

- Labour Input
  - Labour Force Surveys
- Value Added per unit of labour
  - Enterprise Surveys

## The Indian Experience

- Periodic Employment – Unemployment Surveys
- Periodic Unorganised Sector Surveys

## Unorganised/ Informal Sector Surveys during last 15 Years

Round	Period	Subject
55	July 1999 – June 2000	Informal Sector
56	July 2000 – June 2001	Unorganised Manufacturing
57	July 2001 – June 2002	Unorganised Services
62	July 2005 – June 2006	Unorganised Manufacturing
63	July 2006 – June 2007	Unorganised Services
67	July 2010 – June 2011	Unincorporated Non-agricultural Enterprises

## Informal Sector Survey 1999-2000

- ❑ Integrated with consumer expenditure, and employment-unemployment survey
- ❑ Covered all non-agricultural enterprises except the following:
  - ❑ Mining and quarrying
  - ❑ Public administration & defence
  - ❑ Private households with employed persons
  - ❑ Extra territorial organs and bodies
- ❑ Proprietary and partnership enterprises are taken as Informal sector

## Survey Design

- Stratified, multi-stage, multi-subject integrated design

## Stratification

- Rural : District in each State
- Urban
  - Urban blocks in each of the million cities is divided into those in Hospital area (HA), Industrial Area (IA) and Market Area (BA) as one stratum and other blocks as second stratum.
  - The urban blocks in all the towns with population between 50,000 & One million in each NSS region is divided into 2 strata with those in HA, IA, and BA as one stratum and others as second stratum.

## Stratification -- Contd

- Similarly, all the blocks in the towns with population below 50,000 are also divided into 2 strata as in previous slide

## Sampling Units

- **Census villages** in rural areas and Urban Frame areas as 1<sup>st</sup> Stage Units (FSUs)
- **Hamlet group/ sub-blocks** in the case of large village / urban block
- **Enterprises/ establishments** as the Ultimate Stage units (USUs).

## Listing of Households and Enterprises

- All households in the selected area need to be listed without omission and duplication
- All the enterprises both visible and non-visible which have operated at least 30 days (15days for seasonal industries) need to be listed.
- All the classification variables needed for sub-stratification also need to be collected so as to ensure all types of households and enterprises are selected for the survey

## Listing Procedure

- Listing is done structure by structure by following the census numbering system
- In case, census numbering system was not available, the listing was done in a serpentine order starting from the north-west corner going down to south and then upwards
- Enterprises either operated within the premises of the household or without any fixed place were listed against each household

## Data Elements on Listing of Enterprises

- House number
- Household serial number
- Household size
- Number of self-employed females and males in the household ( *home based and without fixed premises*)
- Number of distinct enterprises

## Data Elements on listing of Enterprises -- Contd

- Enterprise serial number
- Name of head of hhd/ enterprise
- Description of activity of enterprise
- Broad industry group code
  - Mfg – 1, Construction – 2, Trade – 3, H & R – 4
  - T.S & G – 5, Other sources – 6, M&Q – 8,
  - E,G & WS – 8

## Data Elements on listing of Enterprises -- Contd

- Number of total workers
- Number of hired workers
- Industry code (2 digit/ 3 digit of H&R)
- Ownership code (non-ASI)
  - ▣ Proprietary male – 1, Proprietary female – 2
  - ▣ Partnership with members of same hhd – 3
  - ▣ Partnership with members of other hhd – 4
  - ▣ Co-operative society – 5, Public sector – 6
  - ▣ Limited company – 7, Others – 9
- Eligibility Code
  - ▣ Operated for at least 30 days (15 days for seasonal enterprises) during reference year – 1
  - ▣ Operated for less than 30 days (15 days for seasonal enterprises) during reference year – 2

## Sample Selection

- 12 second stage strata (SSS) were formed by dividing each broad industry group into own account enterprise and employer, based on engagement of hired worker
- Sampling serial numbers were given for enterprises in each SSS in the increasing order of industry group
- 2 enterprises each were selected from each SSS by using circular systematic sampling



## Detailed Survey

- Selected enterprises were surveyed by trained investigators by using well designed schedules
- The schedule contained separate blocks for collecting data on raw materials used, other inputs, receipt from sale of products and services, other receipts, employment and factor incomes
- Input and output blocks were different for different industry groups

## Principal Operating Expenses – Manufacturing Activity

Item	Raw materials consumed	Last month (Rs)
301		
302		
303		
304	Other raw materials	
305	Purchase value of the goods sold in the same condition as purchased	
309	Total	

## Other Operating Expenses – Manufacturing Activity

Item No:	Item	Last month (Rs)
371	Electricity charges	
372	Fuel and lubricant	
373	Raw materials for own construction	
	Minor repair and maintenance of:	
374	Building	
375	Furniture & fixation	
376	Machinery	
377	Transport equipment	
378	Other fixed assets	

## Other Operating Expenses – Manufacturing Activity (Contd)

Item No:	Item	Last month (Rs)
381	Rent payable on machinery and building	
382	Contract and commission expenses	
383	Travelling, freights & cartage expenses	
384	Communication expenses	
385	Purchase of consumable stores, packing materials, etc.	
386	Paper, printing & stationery	
387	Service charges for work done by other establishments	
388	License fee, cess charged by local bodies, etc.	
391	Other expenses	

## Principal Receipts - Manufacturing Activities

### Products & by products

Item No	Item	Last month (Rs)
401		
402		
403		
404	Other products/ by products	
405	Sale of goods sold in the same condition as purchased	
409	Total	

## Receipts - Manufacturing Activities

### Change of Stocks

Item No	Item	Last month (Rs)
411	Opening stock of semi finished goods	
412	Closing stock of semi-finished goods	
413	Changes in stock of semi-finished goods	

## Receipts - Manufacturing Activities

### Other Receipts

Item No	Item	Last month (Rs)
491	Receipts from services provided to others including commission charges	
492	Market value of own construction of building, furniture & fixtures	
493	Value of consumption of goods/ services produced for own use	
494	Rent receivable on plant & machinery	
495	Funding/ donations received	
496	Other receipts	
499	Total	

## Employment Particulars of the Enterprise During the Reference Month

Serial No	Type of worker	Average number of workers			
		Full Time		Part Time	
		Female	Male	Female	Male
1	Working owner				
2	Hired worker				
3	Other worker/helper				
4	Total				

## Factor Incomes of the Enterprise

Serial No	Item	Monthly Value (Rs.)
1	Emoluments (item 3, block 7)	
2	Rent payable (item1, block 8)	
3	Interest payable (item1 1, block 9)	
4	Net surplus ( including home consumption)	
	Total	

## Survey Strategies

- Engagement of trained regular investigators
- Personal interviews of entrepreneurs and deep probing
- Different Input and output blocks for different industry groups
- Placing material input blocks before receipt blocks
- Providing separate blocks for fixed assets and rent as well as outstanding loans and interest payable
- Cross checking through factor income approach

