

# Statistical Compilation of the ICT Sector and Policy Analysis Project Orbicom



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# INDIA



# Orbicom

## ICT Sector Workshop

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**Statistical Compilation and Policy Analysis**

Ministry of Statistics and Programme  
Implementation (MoS&PI), Government of India  
and

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# Structure of Presentation

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- Current Institutional arrangement for ICT Statistics in India
- Statistics/Indicators generated
- Government efforts
- Proposed plan of action for systematic compilation
- Classification and Concordance tables
- Scope & Coverage of the study
- Synergy between Research team and MoS&PI

# Current Institutional Arrangement for ICT Statistics in India

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- Many Ministries and departments engaged in data collection and compilation
  - Ministry of Communication & IT  
(Administrative by-product)
  - MoS&PI (Annual Survey of Industries (ASI), Economic Census and follow-up surveys, National Accounts Statistics)
  - Ministry of Commerce & Industry (Foreign trade)
  - Ministry of Labour & Employment (Work force, NCO)
  - RBI (Trade in ICT services)
  - Others (NASSCOM, CMIE, etc.)

# Statistics/Indicators generated

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- Economic growth indicators
  - Value added
  - Revenue generated
- Foreign trade indicators
  - Exports & Imports
- Employment indicators
  - Work force

# Statistics / Indicators generated *(cont'd)*

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- Environment indicators
  - Infrastructure environment (No. of exchanges, fixed phones, mobile phones, internet servers, communication satellites, etc.)
  - Market environment (No. of IT companies, telecom companies, etc.)
  - Political environment ( ICT policy of the Govt. PPP in ICT, internet protocols, funds allocated, etc.)
- Penetration / spread indicators
  - No. of Telephones in use per 1000 population
  - No. of internet connections per 1000 population

# Government efforts

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- National e-governance plan
  - State Wide Area Networks (SWAN),
  - State Data Centers (SDCs),
  - Common Service Centers (CSCs),
  - Indian Language Technologies (ILTs), etc.
- MCA-21 of Ministry of Corporate Affairs
- Computerization of land records



# Plan of action

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- Development of classification concordance (completed)
- Identification of variables
- Reference Period of study
- Indicators to be compiled
- Data sources
- Tentative time schedule (data compilation to be completed by Dec. 2009)

# Classification Concordance

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- In case of India, two level concordances are prepared:
  - ISIC rev. 4 and NIC 2004
  - ISIC rev. 4 and NIC 1998
- NIC 2004 is based on ISIC rev. 3.1 and NIC 1998 is based on ISIC rev. 3.0.
- As for NIC 2008, brought out recently, ISIC rev. 4 is the basis of the National classification.

# Variables for the study

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- Variables to be generated in the study
  - GDP/Value Added
  - Employment
- Definitions of the variables used in the National Accounts Statistics (NAS) and surveys are considered

# Reference period of study

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- Reference Period From 2000-01 to 2005-06
  - NIC 1998 & NIC 2004 were used to collect data during the period.

# Indicators to be compiled

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- Value added in the ICT manufacturing sector (organised & unorganised)
- Value added in the ICT service sector
- Employment in the ICT manufacturing sector (organised & unorganised)
- Employment in the ICT service sector (organised & unorganised)

# Data Available

Source	Data Sources			Years	NIC level
	Variable	Sector	Industry (ISIC rev. 4)		
<b>ASI</b>	Value Added Employment	Organised	Manufacturing (2610, 2620, 2630, 2640, and 2680)	2000-01 to 2005-06	5-digit
<b>NSSO</b>	Value Added Employment	Unorganised	Manufacturing (2610, 2620, 2630, 2640, and 2680)	July 2000- June 2001 (56 <sup>th</sup> RD) & July 2005- June 2006 (62 <sup>nd</sup> RD)	4-digit
	Employment	Organised & Unorganised	Manufacturing (2610, 2620, 2630, 2640, and 2680) and Services (4651, 4652, 5820, 61, 62, 631, & 951)	July 2004 June 2005 (61 <sup>st</sup> RD)	4-digit
<b>Census 2001</b>	Employment	Organised & Unorganised	Services (4651, 4652, 5820, 61, 62, 631, & 951) & Manufacturing (2610, 2620, 2630, 2640, and 2680)	2001	5-digit

# Synergy between Research team and MoS&PI

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- Through telephonic discussions, exchange of information and regular meetings
- Joint visits to data source agencies
- Cooperative and cordial nature of collaboration, frank expression of views besides clarity on role to be played by both the partners.



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THANK YOU  
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