

# STATISTICAL NEWSLETTER

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### Editorial Board

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### FLASH

The Central Statistical Organisation released a Press Note on 31<sup>st</sup> December, 2003 on Quarterly Estimates of Gross Domestic Product (GDP) for the Second Quarter (Q2) i.e. (July-September) of 2003-04. The quarterly GDP of the country at Factor Cost at constant (1993-94) prices for Q2 of 2003-04 is estimated at Rs. 3,23,414 crore as against Rs. 2,98,345 crore in the corresponding quarter of previous year 2002-03, showing a growth rate of 8.4 per cent over the corresponding quarter of previous year.

GDP at factor cost at current prices in Q2 of 2003-04 is estimated at Rs. 5,65,118 crore, as against Rs.5,06,720 crore in Q2, 2002-03, showing a rise of 11.5 per cent.



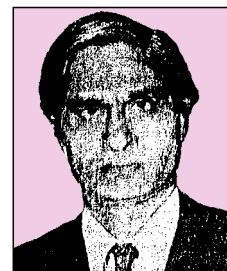
## PROF. S.S. SHRIKHANDE- AN OUTSTANDING STATISTICIAN

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Prof. Sharadchandra Shankar Shrikhande was born on 19<sup>th</sup> October, 1917 in Sagar, Madhya Pradesh, the fifth child of Shankar and Parvati Shrikhande. He was educated at the Government High School in Sagar, Robertson College in Jabalpur and the Institute of Science (formerly Government College of Science) in Nagpur. After spending a year at the Indian Statistical Institute, Calcutta, he joined as a Lecturer in Mathematics at the Institute of Science, Nagpur and served in various capacities during the year 1942-1958. During this period he visited the University of North Carolina, Chapel Hill, USA several times where he came under the influence of Prof. R.C. Bose. This led him to years of fruitful collaboration with Prof. R.C. Bose in the field of Combinatorics and Statistical Designs which culminated, in 1959, in the disproof of the famous Euler's conjecture made in 1782 that there do not exist two mutually orthogonal latin squares of order  $4n + 2$  for every  $n$ . This discovery became front page news in the Sunday Edition of New York Times of April 26, 1959.

Prof. Shrikhande was then a visiting associate professor at the Department of Statistics, University of North Carolina, Chapel Hill.



Prof. S.S. Shrikhande

During 1960-69 he was a Professor of Statistics at the Banaras Hindu University. In 1969 he became the first Director of the Centre for Advanced Study in Mathematics at the University of Bombay and retired from there in 1978.

His major research work in Combinatorics was published in 1985 as "Selected Papers of S.S. Shrikhande" in two volumes by the Charles Babbage Research Centre, Winnipeg, Canada.

He is Fellow of the Indian National Science Academy, Delhi, the Indian Academy of Sciences, Bangalore and the Institute of Mathematical Statistics, USA.

## ECONOMIC CENSUS

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The data gaps in the unorganized sector continue to pose problems for planners, policy makers and researchers alike. The Indian Statistical System has been making efforts to fillup these data gaps right from the beginning of the Five Year Plans. The first National Sample Survey (NSS) round (1950-51) covered non-agricultural household enterprises as one of its subject themes. Such enterprises were covered regularly up to 1955. Subsequently, selected activities were taken up for survey intermittently in different rounds of the NSS. These efforts, however, were partial and sporadic. Since the NSS rounds were mostly centered on household concepts, the unorganized economic activities in the non-household units were sparsely captured. Thus, a complete directory of establishments in the unorganized sector of the economy to serve as

sampling frame for carrying out detailed surveys subsequently was not available at any point of time until 1976. The High Level Evaluation Committee set up by the Government of India to review the work of Central Statistical Organisation had stated that it was through Economic Census and Follow-up Surveys only, that the detailed requirements of data for the unorganized sectors of the economy could be met. In a developing country like ours, Economic Census is the only answer to reach the unorganized sectors. In order to meet the long felt need for the availability of data in respect of unorganized non-agricultural sectors of the economy, a scheme of Economic Census and Surveys was launched by the Central Statistical Organisation in 1976. Since then, four economic censuses have been conducted by the Central Statistical Organisation, in the years 1977, 1980, 1990, the last being in 1998. The main purpose



of conducting economic census is to generate an updated information on number of enterprises and workers at the village and block level for use as the frame for detailed follow-up surveys. It yields essential data on number and distribution of enterprises engaged in different types of economic activities which forms the basis, mainly, for the detailed follow-up surveys. The result of these censuses also provide basic entrepreneurial data relating to different sectors of the economy for the purpose of planning, development and research etc. specifically for unorganized segment of the economy.

When the first Economic Census was conducted in 1977, it was envisaged to be a quinquennial exercise. But, on the cost consideration, the second and third censuses were dovetailed with house-listing operation of the respective population censuses and thereby converted into a decennial exercise. Taking into account of the recommendations emerging at different forums and in order to assess the impact of liberalisation, fourth Economic Census was conducted by the Central Statistical Organisation in 1998 independently of the Population Census, in collaboration with the Directorates of Economics & Statistics (DESs) in the States/UTs. Further, in order to study the changes in the unorganized sectors of the economy, identifying regional disparities among unorganized sectors in respect of different economic activities, the following follow-up surveys have been conducted based on the frame thrown up by the four economic censuses.

- ◆ Unorganised Manufacturing Survey : 1978-79
- ◆ Survey on Trade, Hotels, Restaurants, Transport, Storage & Warehousing & Services : 1979-80.
- ◆ Enterprise Survey on Hotels, Restaurant, Transport, Storage & warehousing & Service Sector 1983-84 .
- ◆ Survey on Unorganized Manufacturing: 1984-85
- ◆ Survey on Trade : 1985-86
- ◆ Survey on Hotels, Restaurants and Transport : 1989-90
- ◆ Survey on Unorganized Manufacturing: 1989-90
- ◆ Survey on Trade : 1990-91

- ◆ Survey on Service Sector : 1991-92
- ◆ Enterprise Survey on Mining, Quarrying and Storage & Warehousing Sector : 1992-93
- ◆ Enterprise Survey on Hotels, Restaurants & Transport Sector :1993-94
- ◆ Survey on Unorganised Manufacture: 1994-95.
- ◆ Directory Trade Establishment(DTE) Survey : 1996-97.
- ◆ Survey on Own-Account and Non-Directory Trade Survey : 1997
- ◆ Survey on Unorganised Manufacture : 2000-01
- ◆ Survey on Unorganised Service : 2001-02

The country has introduced economic reforms and policy of liberalizations which has its impact on various sectors of economy substantially particularly in unorganized sector. Size of the unorganized sector is quite large consisting of mainly smaller units which are subjected to high rates of mobility and mortality.

The last economic census conducted in 1998 could only capture the impact of economic reforms partially, as the process of reforms was in its initial stages at that point of time. It is felt that the structural and compositional changes in the economy, have been more rapid in the recent years. These, therefore, needed to be measured or assessed through detailed surveys of enterprises. The Government of India, therefore, has decided to conduct the Fifth Economic Census during 2004-05, though National Statistical Commission had recommended dovetailing the economic census with house-listing operation of next population census. The Census would cover all entrepreneurial activities throughout the country (except crop production and plantation) as were covered in fourth Economic Census. For this purpose, a Standing Committee has been constituted under the Chairmanship of Director General, Central Statistical Organisation to look into various aspects relating to the conduct of the fifth Economic Census. The Members of the Committee for the Fifth Economic Census inter-alia include the Registrar General and Census Commissioner of India, Adviser(FR), Adviser (PP) both from the Planning



Commission, Chief Economic Adviser, Ministry of Finance and other officers of the level of Joint Secretary/ Additional Secretary of the Central Ministries/ Departments concerned like Ministry of Small Scale Industries, Commerce and Industry; Women & Child Development; Labour etc. The Committee also has four States as members to be represented by their respective Directors, Directorate of Economics & Statistics in the State Governments. The Standing Committee has held two meetings so far and decided that the Fifth Economic Census would be a full-fledged census to be conducted independently during 2004-05. The Standing Committee also decided that the Sixth Economic Census could be dovetailed with house-listing operation of population census in 2010. It recommended constitution of three Working Groups, namely Working Group I for planning of the survey; finalisation of contents of formats of schedules to be canvassed, format of Data/Output tables and related aspects, Working group II for deliberation on conduct of field survey work and conceptual and operational definitions etc. and Working Group-III for processing, tabulation and release of results etc. The State / UTs Governments have been given more representation in these three Working Groups as they are the implementing agency for the census. Each working group has representative from four distinct State/UT Governments as its members. In all, twelve

State/UT Governments are the members of the working groups. A meeting each of Working Group-I and Working Group-II has already been held. The Fifth Economic Census would be undertaken as a Central Plan scheme with 100 per cent funding by the Central Government and will be implemented through DES of the State/UT Governments. The Fifth Economic Census would be conducted more or less on the same lines as was done during the Fourth Economic Census in 1998 with some modifications/revision in the schedules etc. The Economic Census exercise, like Population Census, is countrywide and it is expected that data has to be collected in respect of about forty million enterprises during the Fifth Economic Census.

There are certain new features to the Fifth Economic Census, which include canvassing of a separate "Address Slip" among the establishments for compilation of a Directory of larger establishments. The Directory of Establishments proposed to be compiled on the basis of data collected in the Fifth Economic Census could be used as a starting point of a Business Register. There is also a proposal to have regular updation of Directory of Establishments through DESs in the States /UT Governments so that updated information in respect of bigger establishments at least are available regularly.

## **AWARDS AND FELLOWSHIPS FOR OUTSTANDING AND MERITORIOUS RESEARCH WORK IN STATISTICS**

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### **PRESENTATION OF FIRST INTERNATIONAL AWARD IN MEMORY OF PROFESSOR P.C. MAHALANOBIS TO PROF. C.R. RAO**

For his enormous and outstanding contribution to Statistics Prof. C.R. Rao, Former Director of Indian Statistical Institute, Kolkata was conferred the first International Award in Memory of Professor P.C. Mahalanobis during the 54th Session of the International Statistical Institute (ISI) at Berlin on August 18, 2003.

Recognizing the contribution of Prof. P.C. Mahalanobis to statistics, Ministry of Statistics and Programme Implementation has instituted a biennial international award in his memory. The International Award in Memory of Professor P.C. Mahalanobis is for a statistician from a developing country who has earned a reputation for his/her lifetime achievements in statistics and promotion of the best statistical practices. The award consists of a cash prize of US\$ 5000 to the awardee. For implementation of the Mahalanobis Award, Government of India has signed a Memorandum of Understanding with the International Statistical Institute (ISI), Voorburg, Netherlands.



Prof. C. R. Rao with the first international Award in Statistics instituted by Govt. of India in memory of Prof. P. C. Mahalanobis

Mahalanobis Committee on International Award in Statistics (MCIAS) under the chairmanship of Mr. Jean Louie Bodin (France), Ex President of ISI functions as Jury for the award.

Prof. Rao born in Karnataka in 1920 did his post graduation in India and after completing Ph.D and D.Sc. from Cambridge University returned to serve in India. His pioneering contributions to Statistics includes over 40 years at Indian Statistical Institute, Kolkata. For the well known Cramer-Rao Inequality, Rao-Blackwellisation of unbiased estimates and Fisher-Rao Theorem, he is a household name in the family of statisticians and now electrical engineers too. He is the author of more than 350 papers and 14 books in diverse fields like Estimation Theory, Multivariate Analysis, Characterization Problems, Combinatorics and Design of Experiments, Matrix Algebra, Generalized Inverse of a Matrix, Differential Geometric Methods in Statistics and Mathematical Genetics among others. Among the innumerable distinguished positions that Prof.C.R. Rao has occupied are the Directorship and the Jawaharlal Nehru Chair at the Indian Statistical Institute, Distinguished Professorship at Pittsburgh and the Eberly Professorship at Pennsylvania State University. He has been President of the International Statistical Institute, the Institute of Mathematical Statistics, the International Biometric Society, the Indian Econometric Society and the Forum for Interdisciplinary Mathematics.

For his outstanding contributions and services in the field of Statistical Education and Research, he was conferred the Padma Bhushan by the President in 1968 and Padma Vibhushan in 2001. In 2002 the President of the United States of America honoured Prof. Rao, in a ceremony at the White House, with President's National Medal for Science for his pioneering contributions to the foundation of statistical theory and multivariate statistical methodology and their applications enriching the physical, biological, mathematical, economic and engineering sciences. The Medal is USA's highest award for lifetime achievement in the field of Scientific Research.

### **SELECTION OF PROF. ARUP BOSE FOR THE NATIONAL AWARD IN STATISTICS IN HONOUR OF PROF. C.R. RAO FOR THE YEAR 2002-2003.**

For his outstanding contributions to Statistics, Dr. Arup Bose, Professor, Indian Statistical Institute, Kolkata has been selected for the National Award in Statistics in honour of Prof. C.R. Rao for the year 2002-2003.

Ministry of Statistics & Programme Implementation has instituted two National Awards in Statistics for outstanding contribution in the field of Statistics. One award is given to senior statistician in memory of Prof. P.V. Sukhatme and the other award is given to young statistician in honour of Prof. C.R. Rao. Each of the above awards is given in alternate year. The award instituted in the year 1999-2000 carries a cash prize of Rs. one lakh.

The first National Award in Statistics in memory of Prof. P. V. Sukhatme was given in 1999-2000 to Prof. J. K. Ghosh, distinguished statistician and former Director, Indian Statistical Institute, Kolkata followed by the National Award in Statistics, for the young statistician category, given for the year 2000-2001 jointly to Dr. Rahul Mukerjee, Professor,



Indian Institute of Management, Kolkata and Dr. Rajeeva Laxman Karandikar, Professor, Indian Statistical Institute, New Delhi for their outstanding contributions to Statistics . For the year 2001-2002, the National Award in Statistics in memory of Prof. P.V. Sukhatme was given to Prof. Prem Narain, former Director of Indian Agricultural Statistics Research Institute, New Delhi. Professor Arup Bose has been selected in the young statistician category for National Award in Statistics in honour of Prof. C.R. Rao for the year 2002-03.

Dr. Arup Bose has made significant research contributions in several diverse areas, including resampling plans, sequential analysis and asymptotics. He has also made substantial contributions to statistics of diffusion processes, rates of convergence, multinomial selection problems, strong laws, U statistics and  $M_m$  estimates. Dr. Bose's work in resampling provides a deep and powerful understanding of the subject from the applied as well as the theoretical viewpoint. This work has had significant impact on areas such as time series, linear models, general dependent models and nonparametric estimates.

Dr. Bose is a dedicated teacher. He is a fellow of the Institute of Mathematical Statistics (IMS), USA, which is one of the world's leading international societies of statistics. He is also an

editor of the prestigious statistics journal *Sankhya*.

The National Award in Statistics will be conferred on Prof. Arup Bose in an award presentation ceremony to be organised by the Ministry of Statistics and Programme Implementation.

### **JAN TINBERGEN AWARDS COMPETITION FOR YOUNG STATISTICIANS FROM DEVELOPING COUNTRIES 2005**

The International Statistical Institute (ISI), Netherlands has invited unpublished original papers in statistics from nationals of developing countries born in 1973 or later for competition for young statisticians (Jan Tinbergen Awards). Applications are particularly welcome from women. Each author of a winning paper will receive the Jan Tinbergen Award in the amount of Euro 2269 and be invited to present their papers personally at the 55<sup>th</sup> Session of ISI to be held at Sydney, Australia in 2005, with all expenses paid (i.e. round trip airline ticket from her place of residence to Sydney plus a lump sum payment to cover living expenses during the Session). Manuscripts for the Competition should be submitted in time to reach the ISI not later than September 1, 2004. Application form and other related details on the award are available at the Website of the ISI ([www.cbs.nl/isi](http://www.cbs.nl/isi)).

## **MEETINGS/ CONFERENCES/ SEMINARS/ COMMITTEES/ TRAININGS ATTENDED**



### **MINISTRY OF STATISTICS & PROGRAMME IMPLEMENTATION (MOS&PI)**

- ◆ A Meeting of the Advisory Committee on Travel Grants was held on 5<sup>th</sup> September, 2003 under the Chairmanship of the Secretary, Ministry of Statistics & Programme Implementation to consider the applications received from

statisticians for financial assistance to present their papers in international conferences/ workshops. The Committee recommended application of Dr. Ramji Tiwari, University of Jammu and Dr. V.K. Gupta, Indian Agricultural Statistics Research Institute for travel grants assistance to present their papers in International Conference on Statistics, Combinatorics & Related Areas, University of Southern Maine, Portland, USA, during 3-5 October, 2003.



- ◆ The first meeting of the Standing Committee on Fifth Economic Census comprising officials and non-official members held on 27<sup>th</sup> August, 2003 under the Chairmanship of the Secretary, Ministry of Statistics & Programme Implementation in the capacity of Director General, Central Statistical Organisation, Ministry of Statistics & Programme Implementation to provide overall direction and guidance for conduct of the Economic Census in all States and Union Territories of the Country during 2004-05.
- ◆ The first meeting of the Expert Committee on 'Application of Time Use Statistics(TUS)' under the Chairmanship of Dr. K.C. Seal, Ex-Director General, Central Statistical Organisation held on 4<sup>th</sup> September, 2003 to review the Classification of Activities used in TUS and also to build a comprehensive and consistent classification of activities for TUS which is comparable with the existing classification as well as takes care of the specific problems of data collection on time disposition.
- ◆ The Second meeting of the High Power Expert Committee on Basic Statistics for Local Level Development held on 25<sup>th</sup> September, 2003 at Yojana Bhavan, New Delhi under the Chairmanship of Dr. S.P. Gupta, Member, Planning Commission to review the progress of the work of pilot studies on Basic Statistics for Local Level Development.
- ◆ Tenth meeting of the Standing Committee on Industrial Statistics (SCIS) held on 8<sup>th</sup> July, 2003 to adopt data collected through short schedule on quarterly basis in place of Index of Industrial Production(IIP).
- ◆ Shri Vishnu Kumar, Deputy Director General, Central Statistical Organisation participated in the Regional Inception Workshop on International Comparison Programme (ICP) for Asia and the Pacific Region at Bangkok, Thailand during 28 July-1 August, 2003. Shri Kumar had also participated earlier in the meeting of Heads of Statistical Agencies on International Comparison Programme (ICP) for Asia and the Pacific Region at Bangkok, Thailand during 18-20 June, 2003.
- ◆ Shri Rakesh Kumar, Joint Director, Central Statistical Organisation participated in the United Nations workshop on improving the compilation of international migration statistics, held at Geneva, Switzerland during 15-17 September, 2003.
- ◆ A training programme on Environment Statistics with Special reference to Environment Impact Analysis was organized at North Eastern Hill University, Shillong during 23-28 September, 2003.
- ◆ In pursuance of the recommendations of the National Statistical Commission, the CSO is required to provide technical leadership, guidance and co-ordination in the compilation of National/Regional Accounts as well as to activate the institutionalized interaction between National Accounts Division of CSO and State Directorate of Economics and Statistics (DES) through periodical meetings to discuss the weakness in data and with a view to improve the reliability, timeliness and credibility of the System of National/Regional Accounts. Accordingly, two regional training-cum-workshops were organized at Aurangabad, Maharashtra for the western states of Gujarat, Maharashtra, Goa, Madhya Pradesh including Delhi during 25-29 August, 2003 and at Lucknow, Uttar Pradesh for states of West Bengal, Orissa, Bihar, Rajasthan and Uttar Pradesh during 15-19 September, 2003.
- ◆ Dr. S. Ray, Director General and Chief Executive Officer, NSSO and Dr. A.C. Kulshreshtha, Additional Director General, CSO participated in the 54<sup>th</sup> Session of International Statistical Institute held at Berlin during 13-20 August, 2003.



## NATIONAL SAMPLE SURVEY ORGANISATION

**ALL INDIA TRAINING OF TRAINERS FOR 60<sup>th</sup> ROUND OF SOCIO-ECONOMIC SURVEY:** The All India Training of Trainers' for the 60<sup>th</sup> Round of NSS was held at Vigyan Bhavan, New Delhi during September, 22<sup>nd</sup>-24<sup>th</sup>, 2003. Dr. Adarsh Kishore, Secretary, Ministry of Statistics & Programme Implementation, Government of India inaugurated the Training Programme on 22<sup>nd</sup> September, 2003.



The NSSO and the State Directorates of Economics & Statistics will carry out the 60<sup>th</sup> Round programme jointly for a period of six months starting from 1<sup>st</sup> January' 2004 to 30<sup>th</sup> June' 2004. During his inaugural address the Secretary applauded the role of the NSSO over the past 53 years in developing a strong database on various Socio-Economic parameters through its countrywide sample surveys, which have helped the Central as well as State Governments in the process of development planning and policy formulations. He also stressed that the quality and timeliness of data collected through such nationwide surveys are directly linked with the quality of the staff deployed on various aspects of the survey work. Therefore, the training of staff assumes a great significance in the successful conduct of survey

operations, right from sample design to data processing.

Professor T.J. Rao, Acting Chairman, Governing Council, NSSO chaired the conference deliberations. Other dignitaries who attended the conference includes Dr. S. Ray, DG & CEO, NSSO and Members of the Governing Council and the Working Group on 60<sup>th</sup> Round and Shri M. Neelakantan, ADG (FOD). Officers of NSSO and the State Directorates of Economics & Statistics and representatives from Central Ministries/Departments also participated in the training of trainers.

The 60<sup>th</sup> Round of NSS is devoted to Morbidity and Health Care, Employment and Unemployment and Household Consumer Expenditure. On the subject of Morbidity & Health Care, the Survey will cover information on Morbidity and Utilization of Health Care Services provided by the public and private sectors, together with the expenditure incurred by the households for availing these services. Besides, collection of comprehensive information relating to Morbidity, information on Maternity and Child Care and the problem of aged persons will also be collected.

At the instance of Planning Commission, a separate enquiry on employment-unemployment situation is also being undertaken during the 60<sup>th</sup> Round Survey in order to assess the latest employment scenario in the country. In addition, as usual, the annual survey of household consumer expenditure is also being undertaken during this round.

## MINISTRY OF LABOUR, LABOUR BUREAU, CHANDIGARH

A meeting called by Hon'ble Labour Minister to review the performance and future plan of the Labour Bureau was held on 16<sup>th</sup> July, 2003 at New Delhi.



## TRAINING PROGRAMMES CONDUCTED



### MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION (MOS&PI)

#### Training Programmes Conducted for In-Service Indian Statistical Services (ISS) Officers

- ◆ An eight week Induction Training Programme for Officers promoted to Junior Time Scale of ISS was conducted during 21 July- 12 September, 2003. Twenty Officers from various Ministries/ Departments attended this training programme.
- ◆ During 28 July-1 August, 2003, a refresher course on “Applications of Remote Sensing & GIS for Natural Resources Management” held at Indian Institute of Remote Sensing (IIRS), Dehradun. Twelve Senior/Middle level ISS officers attended this course.

#### Training for Indian Statistical Service (ISS) Probationers

- ◆ The XXV Batch ISS Probationers have completed the preparation of individual project reports and they have since proceeded for their eight week field training at various Field Offices of Field Operations Division, National Sample Survey Organisation on from 8<sup>th</sup> August, 2003.
- ◆ The XXVI Batch ISS Probationers underwent training in “Theoretical Statistics” at Indian Statistical Institute, Kolkata and “Macro & Micro Economic Theory” at Indian Statistical Institute, Delhi Centre.

#### Training Programmes conducted for Non-ISS Statistical Personnel

“Computer Level 1`-Foundation course in Information Technology” commenced on 29<sup>th</sup>

September, 2003 at Computer Centre, MOS&PI, New Delhi and is being attended by twenty participants.

#### Training Programmes conducted for International Participants

A Six-week training course on “Official Statistics and Related Methodology” for the participants of the 57<sup>th</sup> term of the Regular Course in Statistics of the International Statistical Education Centre (ISEC), Kolkata commenced on 29<sup>th</sup> September, 2003 at CSO, MOS&PI, New Delhi. Ten Participants from four countries participated in this course.

#### COMPUTER CENTRE

- ◆ During 18-19 August, 2003, a refresher course on “Website Design & Management” conducted at Computer Centre, MOS&PI, New Delhi. ISS officers and other officers from different State Directorates of Economics & Statistics attended this course.
- ◆ During 1-12 September, 2003, a refresher course on Oracle 9i conducted at Computer Centre, MOS&PI, New Delhi.
- ◆ Two weeks Induction training programme on “Fundamental of Computers” conducted at Computer Centre during 18-29 September, 2003.

#### INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE, ICAR

- ◆ A twenty one days summer school on ‘Forecasting Techniques in Agriculture’ organized during 9-29 July, 2003. Twenty five participants from ICAR institutes, State Agricultural Universities, NRCs and Krishi Vigyan Kendras participated in the training programme.



- ◆ A short term programme on 'Visual Basic' held during 15-27 September, 2003 under Revolving Fund Scheme for officials of ICAR institutes, State Agricultural Universities.
- ◆ A winter school on 'Development of Spatial and non-Spatial Databases for Agricultural Research System' was organized during 9-29 September, 2003

## CENSUS/SAMPLE SURVEYS/STUDIES /RESEARCH PROJECTS/ NEW SURVEYS

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### MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION, NATIONAL SAMPLE SURVEY ORGANISATION

- ◆ **NSS 58th Round** (July 2002 – December 2002) (Survey on Housing condition (Sch. 1.2), Disability (Sch 26), Slum (sch. 0.21), Village facilities (Sch. 3.1) and Annual Survey on Consumer Expenditure (Sch. 1.0)). Generations of final tables for schedules 26, 1.0 and 3.1 have been completed.
- ◆ **NSS 59th Round** (January 2003 – December 2003) (Survey on land and livestock holdings (Sch. 18.1), Debt and investment (Sch. 18.2), Situation assessment survey of farmers (Sch. 33), and Annual survey on consumer expenditure (Sch. 1.0)): Pre- data entry scrutiny and data entry/verification relating to visit – I schedules (January – August 2003) is nearing completion while data validation is under progress.
- ◆ **Pilot Survey on Food Security for World Food Programme** (September 2003 February 2004): The fieldwork for 'Pilot Survey on Food Security for World Food Programme' to be conducted in six districts of Madhya Pradesh, Rajasthan, Orissa, Gujarat, Uttaranchal and Chattisgarh has commenced.

### MINISTRY OF LABOUR, LABOUR BUREAU, CHANDIGARH

Field Survey on the Working and Living Conditions of Licensed Railway Porters was launched and completed.

### INTERNATIONAL INSTITUTE FOR POPULATION SCIENCES

The following Research Projects completed by the Institute :

- ◆ A Study of sex selective abortion : Special reference to obstetric morbidity.
- ◆ An Investigation into reasons for low coverage of immunization among children in Rajasthan and Bihar.
- ◆ Knowledge about STD, HIV/AIDS and risk behavior among single male migrants in some selected developments projects around the cities of Mumbai and Surat.
- ◆ State of Human Development in States and Districts of India.
- ◆ Estimated Cost and Uses of Condoms and Oral pills in India and States.
- ◆ Emergency contraception study findings and policy implications of national importance.
- ◆ Problems faced by Civil Registration System.
- ◆ Economics of Ageing.
- ◆ National Family Health Survey : Reproductive Rights and Choices : A role of abortion in India - A study of Madhya Pradesh.



## PRESS RELEASES



The Central Statistical Organisation released a Press Note on 30<sup>th</sup> September, 2003 on Quarterly Estimates of Gross Domestic Product (GDP) for the first Quarter (Q1) i.e. (April-June) of 2003-04.

- ◆ Quick Estimates of Index of Industrial Production (Base 1993-94) for the month of July, 2003 and the revised indices for the months of May and June, 2003 and the final indices for the months of February, March and April, 2003 were released.
- ◆ Monthly Consumer Price Index Numbers for Urban Non-Manual Employees CPI (UNME) on base 1984-85=100 for the period viz. June, 2003 to August, 2003 were released for 59 selected urban centers and all-India.
- ◆ Half yearly brochure on Consumer Price Index Numbers for Urban Non-Manual Employees CPI (UNME) giving group and sub-groupwise indices for 59 selected urban centers and all-India for the period viz. January 2003 to June, 2003 was also released.

## PUBLICATIONS, REPORTS AND DATA RELEASES



### MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION: CENTRAL STATISTICAL ORGANISATION

- Statistical Abstract India, 2002.
- Statistical Newsletter for the quarter : January-March, 2003.
- Monthly Abstract of Statistics for the months of January-March, 2003 (Combined issue), April, May and June, 2003.
- National Accounts Statistics, 2003.
- Energy Statistics, 2002-03 released on e-media.
- Detailed results of Annual Survey of Industries, 2000-01 released on e-media.
- Quick results of Annual Survey of Industries, 2001-02 (Quick Estimates) released on e-media.

### MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION: NATIONAL SAMPLE SURVEY ORGANISATION

- Report on Status of Estimation of Crop Production, 2001-2002 (Kharif) for the States of

Andhra Pradesh, Himachal Pradesh, Jammu & Kashmir, Karnataka, Madhya Pradesh, Maharashtra, Tamil Nadu, Uttar Pradesh and West Bengal.

- Unorganised Service Sector in India, 2001-02 : Salient Features.
- Unorganised Service Sector in India, 2001-02 : Characteristics of Enterprises.
- Household Consumer Expenditure and Employment-Unemployment Situation in India, 2001-02.
- Unit level data of NSS 57<sup>th</sup> Round (July 2001 – June, 2002) (Survey on Unorganised Services (excl. Trade & Finance) (Sch.2.345) and Annual Survey on Consumer Expenditure (Sch. 1.0)) released in September 2003.

### MINISTRY OF FINANCE, DIRECTORATE OF INCOME TAX

- All India Income Tax Statistics, Assessment Year 1999-2000.

### MINISTRY OF HOME AFFAIRS, NATIONAL CRIME RECORDS BUREAU

- Crime in India, 2001.



## **MINISTRY OF LABOUR: LABOUR BUREAU**

- Indian Labour Journal for the months of August, September and October, 2003.
- Indian Labour Year Book, 2002-2003 (Combined).
- Annual Report on Consumer Price Index Numbers of Industrial Workers 1982=100) for the year 2002.
- Rural Labour Enquiry - Report on Wages and Earnings of Rural Labour Households (1999-2000 Round).
- Summary Report on Annual Survey of Industries, 1998-99 (Census Sector).
- Trade Unions in India, 1996-97.
- Consumer Price Index Numbers for the months of June, July and August, 2003 for a) Industrial Workers (Base 1982=100), b) Agricultural Labourers (Base 1986-87=100) and c) Rural Labourers (Base 1986-87=100).
- Retail Price Index Numbers for 31 Essential Commodities (Base 1982=100) for the months of May, June and July, 2003.

## **MINISTRY OF MINES: INDIAN BUREAU OF MINES**

- Statistical Profiles of Minerals, 2003.
- Brochure on “ Indian Mining Industry Facts & Figures” as on March, 2003.
- Monthly Statistics of Mineral Production for the months of March, 2003 (Vol.35 No.3), April, 2003(Vol.35 No.4), May, 2003(Vol.35 No.5) and June, 2003 (Vol.35 No.6).
- Index of Mineral Production for the months of May, June and July, 2003 with base 1993-94=100.
- Press note on Mineral Production for the months of May, June and July, 2003.

## **MINISTRY OF ROAD TRANSPORT AND HIGHWAYS & MINISTRY OF SHIPPING**

- Motor Transport Statistics of India, 2001-02-Annual.

- Indian Shipping Statistics, 2002-Annual.

## **MINISTRY OF TEXTILES, OFFICE OF THE TEXTILE COMMISSIONER**

- Compendium of Textile Statistics, 2003.
- Basic Facts on Textile Industry, 2002-03.

## **MINISTRY OF PETROLEUM & NATURAL GAS**

- Basic Statistics on Indian Petroleum & Natural Gas, 2002-03.

## **DIRECTORATE OF ECONOMICS AND STATISTICS, GOVERNMENT OF ANDHRA PRADESH**

- Andhra Pradesh Economic and Statistical Bulletin for the quarter : April-June, 2003.
- Price-Wages and Index Numbers, 2002-03.
- Report on Gram Panchayats in Andhra Pradesh, 1998-99 to 2000-01.
- Report on Zilla Parishads in Andhra Pradesh, 1998-99 and 1999-00.

## **DIRECTORATE OF ECONOMICS AND STATISTICS, GOVERNMENT OF ASSAM**

- Conversion of Labour Bureau's CPI Numbers for Industrial Workers of Assam Centers for the months up to April, 2003.
- Statement of D.A. to the Assam Government Employees published up to June, 2003.
- CPI of Rural Population of Assam (Plain District) published up to March, 2003.
- Wholesale Price Index Numbers on Agricultural Commodities for the months up to May, 2003.
- Index numbers of parity between prices received and prices paid by the farmers of Assam for the months up to February, 2003.
- Statement of Rural Retail Prices of essential commodities grown and sold in rural area of Assam for the months up to June, 2003.



- Statement of Agricultural Labour Wages of Assam for the months up to June, 2003.
- Urban Retail Price Bulletin for the 2<sup>nd</sup> Quarter, 2003.
- Report on 'An Economic cum purpose Classification of Assam Government Budget, 2000-01.
- Report on "Land Utilization Statistics (Provisional), 1999-2000.

### **DIRECTORATE OF STATISTICS & EVALUATION, PLANNING AND DEVELOPMENT DEPARTMENT , GOVERNMENT OF BIHAR**

- Bihar Ek Jhalak, 2000 Special Bulletin (Hindi Version).
- Report of Daily Agricultural Wages from July, 2002 to June, 2003.
- Final Estimate of Production of Garma Mango and Gauva, 2001-02.

### **DIRECTORATE OF PLANNING, STATISTICS & EVALUATION, GOVERNMENT OF GOA**

- Quick Tabulation for 55<sup>th</sup> Round of NSSO.
- Reports on Index of Industrial Production for the year, 1999-2000, 2000-2001.

### **DIRECTORATE OF ECONOMICS & STATISTICS, GOVERNMENT OF GUJARAT**

- Urbanisation in Gujarat – (Adhoc Publication).
- Quarterly Review of Gujarat Economy, October-December, 2002.
- Basic Statistics, Gujarat and India, 2003 - Annual.
- State Domestic Product, Gujarat State, 2001-02 - Annual.
- An Economic and Purpose Classification of the Budget, Gujarat State, 2002-03 - Annual.



### **OFFICE OF THE ECONOMICS & STATISTICAL ADVISER TO GOVERNMENT OF HARYANA**

- Consumer Price Index Numbers (Base 1982=100) for the months of May, June and July, 2003 for the six selected centers in Haryana State, viz. Bhiwani, Panipat, Sonipat, Surajpur-Pinjore, Bahadurgarh and Hisar.
- Wholesale Price Index Number of Agricultural Commodities (Base 1980-81=100) for the months of May, June and July, 2003.
- Estimates of State Domestic Product of Haryana, 1993-94 to 2001-02 (Base Year 1993-94=100).
- An Analysis of State Finances, 2001-02.
- Economics of Farming 1998-99.
- Approved Annual Plan, 2003-04.
- Report on Consumer Expenditure and Employment and Unemployment and Un-organized Manufacturing of 56<sup>th</sup> Round of NSSO.

### **आर्थिक बोध एवं संख्या निदेशालय, मध्य प्रदेश**

- नवीन श्रृंखला आधार वर्ष 1993-94 के अनुसार वस्तु उत्पाद क्षेत्र के जिलेवार राज्य घरेलू उत्पाद के अनुमान
- मध्यप्रदेश के प्रमुख आंकड़े 2002
- पर्यावरण सांख्यिकी 2002
- मध्यप्रदेश सांख्यिकी संक्षेप 2002
- मध्यप्रदेश इन चार्ट्स एण्ड ग्राफ
- वार्षिक जीवनांक सांख्यिकी वर्ष 2002
- मृत्यू के कारण का चिकित्सकीय प्रमाणपत्र वर्ष, 2000

### **DIRECTORATE OF ECONOMICS AND STATISTICS, GOVERNMENT OF MAHARASHTRA**

- Handbook of Basic Statistics of Maharashtra State, 2002.



- Maharashtra quarterly Bulletin of Economics and Statistics for the quarters viz. April-June and July-September, 2002.

### **DIRECTORATE OF ECONOMICS AND STATISTICS, GOVERNMENT OF ORISSA**

- State Consolidated Monthly Report on Agricultural Labour Wages for the month of May, June and July, 2003 relating to 89 centres of the State sent to Government of India.
- Seasonal Progress Report based on Agricultural Statistics for Rabi Season, 2002-03 furnished to Government of India.

### **DIRECTORATE OF ECONOMICS AND STATISTICS, GOVERNMENT OF TAMIL NADU**

- Monthly report on Index of Industrial Production in Tamil Nadu for the months of March and April, 2003.
- Wholesale Price Index for Tamil Nadu for the months of May and June, 2003 (Base : 1970-71=100).
- Consumer Price Index for Industrial Workers for Cuddalore Centre for the months of June and July, 2003.
- Consumer Price Index for Nagercoil Centre for the months of May, June and July, 2003 (Base : 1982=100).
- Annual Statistical Abstract, 2000-01.

### **BUREAU OF APPLIED ECONOMICS & STATISTICS, GOVERNMENT OF WEST BENGAL**

- Report on West Bengal Government Undertaking, 2001-02.
- Statistical Handbook of West Bengal, 2002.
- Report on West Bengal Economy for August, 2002.



### **DIRECTORATE OF ECONOMICS & STATISTICS, GOVERNMENT OF PONDICHERRY**

- Budget-in-Brief, 2003-04.
- The Citizen's Charter with updated materials put on the Directorate's website (<http://pondicherry.nic.in>).
- Price Bulletin for the months of June, July and August, 2003.

### **DIRECTORATE OF ECONOMICS & STATISTICS & OFFICE OF THE CHIEF REGISTRAR, BIRTHS & DEATHS, GOVERNMENT OF NCT OF DELHI**

- Monthly Consumer Price Index for Industrial Workers for the months of May, June and July, 2003.
- Quarterly report of building materials rates for the quarter ending June, 2003.
- Report on Economic cum purpose Classification of Budget Estimates of Delhi Government, 2001.

### **DIRECTORATE OF ECONOMICS & STATISTICS, CHANDIGARH ADMINISTRATION**

- Monthly Progress Report on 20 Point Programme for the months of June, July and August, 2003.
- Monthly Progress Report of 59<sup>th</sup> Round of NSS for the months of June, July and August, 2003.
- Redressal of Public Grievance-20 Point Programme for the quarters January-March, April-June, 2003.
- Booklet 'State Domestic Product/Per Capita Income' both at Current and Constant Prices from 1993-94 to 2002-03.

### **INSTITUTE OF ECONOMIC GROWTH**

- Annual Report, 2002-03.



## INFORMATION SYSTEMS



### MINISTRY OF STATISTICS & PROGRAMME IMPLEMENTATION: CENTRAL STATISTICAL ORGANISATION AND COMPUTER CENTRE

- ◆ Information/ Material added to the Ministry's Website (<http://mospi.nic.in>) (created, developed and maintained by Computer Centre of the Ministry):-
  - Statistical Newsletter for the quarter January-March, 2003.
  - Web-page developed and uploaded regarding Announcement of Selection of Prof. C. R. Rao for the first International Award in Memory of Prof. P.C. Mahalanobis.
  - A note from CSO relating to advertisement for inviting the research proposals for financial assistance from government organizations/ research institutions/universities and non-governmental organisations incorporated (under Guidelines for Research proposals page) and uploaded.
  - Results' 2000-2001' to Annual Survey of Industries in the form of 7 tables uploaded.
  - Website material concerning Quick Estimates of Important characteristics at 2 digit Industry level for the year 2001-02 uploaded.
  - Press notification regarding a General Notice given by Project Monitoring Division, CSO for obtaining letter of interest for taking up various assignments relating to Plan Scheme on 'Institutional Development and Capacity Building' uploaded.

- Quarterly Estimates of Gross Domestic Product for the first quarter viz. April-June of 2003-04 uploaded.
- ◆ Following updations were carried out in respect of data series already available on the Website:
  - Monthly Consumer Price Index (UNME) for the months of June, July and August, 2003.
  - Monthly Index of Industrial Production for the months of May, June and July, 2003.
  - Telephone and e-mail address directory of senior officers of Field Operations Division, NSSO.
  - Material on Summary Data Real Sector and concerned to 'Net State Domestic Product (NDPS) for SDDS uploaded every week.
  - Advance Release Calendar material.
  - Material concerned to State IIP for 5 States namely Andhra Pradesh, Tamil Nadu, West Bengal, Delhi and Rajasthan uploaded.

### INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE, ICAR

Computer Software for Spatial Variability and Interpolation has been developed. This Software is designed to support the requirement of spatial interpolation in 2-Dimension and 3-Dimension. It enables the user to visualize the spatial variability in graphical form (both 2D and 3D). Further, this spatial variability can be incorporated for efficient treatment comparisons.

## PERSONNEL INFORMATION (POSTINGS/TRANSFERS/RETIREMENTS)



### ECONOMIC ADVISER TO GOVERNMENT OF PUNJAB

Shri G.S. Bains, Joint Director was promoted to the post of Director and he took charge on 24<sup>th</sup> September, 2003.

### DIRECTORATE OF STATISTICS AND EVALUATION, BIHAR

Shri Bijoy Pratap Singh, Senior Joint Director was elevated to the post of Director, Directorate of Statistics and Evaluation, Bihar on 11th September, 2003.