

Review of Activities of the Indian Society of Agricultural Statistics for the Year 1994

The Indian Society of Agricultural Statistics, a scientific body, was founded on 3 January, 1947 for promoting and undertaking research in Statistics and for its application to Agriculture, Animal Husbandry, Fishery, Agricultural Economics and allied fields. The Society was fortunate to have Late Dr. Rajendra Prasad, the then Minister of Food and Agriculture, Government of India, as its Founder President. He continued to guide the Society for 16 years. The Society had also the privilege of having as its Presidents Shri S.K. Patil, Shri C. Subramaniam, Shri Jagjivan Ram, Dr. M.S. Swaminathan, Dr. O.P. Gautam, Shri Buta Singh and Dr. N.S. Randhawa. They took keen interest in the activities of the Society and were a great source of inspiration. The Society has attained its present status due to the untiring efforts and guidance of its Presidents in the past and present and particularly of the eminent statisticians Prof. P.V. Sukhatme and Late Dr. V.G. Panse.

The Society organises annually a conference in different parts of the country as per invitations received from State Governments, universities and other research organisations. It provides a wider platform for exchange of ideas. During each annual conference, the Society organises one or two symposia keeping in view current national interest as well as problems of interest in the region where the conference is organised. The Society brings out a Journal, one volume consisting of three issues per year, which serves as a media for disseminating research findings on Agricultural Statistics and allied fields. Ad-hoc publications and Bulletins are also brought out to help the research workers and students in the field of Agricultural Statistics. It has set up a Research Unit to undertake research on specific problems of current interest in accordance with the guidance provided by a Research Direction Committee. In order to perpetuate the memory of the Founder President Late Dr. Rajendra Prasad, a lecture is organised during the conference. The Society has organised 29 lectures so far and the memorial lecture being organised during this conference would be 30th in the series.

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Indicators requiring improvements	Low developed districts				
	Palakkad	Idukki	Kasargod	Malappuram	Wayanad
Number of registered small scale industrial units in (in '00)	123 (57)	123 (23)	91 (12)	123 (41)	79 (11)
Number of Banks per lakh population	14.6 (9.3)	14.6 (8.7)	12.7 (9.2)	14.6 (5.8)	12.7 (9.1)
Length of road per 100 square km. of area (in km.)	81 (34)	91 (30)	91 (46)	91 (45)	91 (30)
Number of registered vehicles per lakh population	4129 (1761)	4129 (1256)	3925 (1472)	4119 (1130)	2483 (1297)
Number of goods vehicles per lakh population	541 (128)	541 (199)	293 (135)	541 (158)	293 (157)
Number of post offices per lakh population	18 (18)	23 (27) *	23 (18)	23 (14)	23 (20)
Number of medical institutions per lakh population	7.9 (7.5)	8.0 (10.7) *	8.0 (10.2)	8.0 (6.7)	8.0 (10.7) *
Number of medical beds per lakh population	236 (94)	187 (88)	236 (75)	206 (75)	206 (125)

Note : Figures within brackets indicate actual achievement.

* Actual achievement is better than potential target.

The membership of the Society, which is drawn from all parts of India as well as from abroad, during the year was:

Permanent Institutional Members	22
Life Members	399
Institutional Members	5
Ordinary Members	60
Student Members	6

In addition to regular members, the Society has a number of institutional subscribers to its Journal in India and abroad. The number of subscribers during the year was:

Indian	194
Foreign	35

Thus, the total number of members and subscribers during the year was 721.

One of the important activities of the Society, as mentioned earlier, is the publication of its Journal. It has brought out 46 volumes till 1994 and has maintained its time schedule. The Hindi Supplement continues to be a special feature of the Journal. The high standard of the Journal has been maintained due to the sincere efforts of the Editorial Board and of the referees. The Society is thankful to them for their keen interest in the activities of the Society particularly in the publication of its Journal. With a view to promoting research in Statistics and thereby improving the standard of the quality of Journal, the Society has introduced a scheme to award prizes for the best articles published in its Journal once in two years. During the year under report, the papers published in vol. 43 and 44 were critically examined by a panel of judges to decide the best papers. The society is thankful to the referees.

The 3rd Revised Edition of the book "Sampling Theory of Surveys with Applications" by P.V. Sukhatme, B.V. Sukhatme, Shashikala Sukhatme and C. Asok was brought out during 1984. This book is in great demand by the students and research workers. Another important publication "Statistical Methods in Animal Sciences" by V.N. Amble brought out by the Society is extremely useful for the research workers in Animal Sciences. Two ad-hoc publications namely, "Contribution in Statistics and Agricultural Sciences" and "Impact of P.V. Sukhatme on Agricultural Statistics and Nutrition" were

brought out by the Society which contain a number of invited articles from India and abroad.

The Research Unit of the Society was engaged in carrying out research relating to quantification of socio-economic indicators on developmental level in different states. As is well known, developmental programmes were taken up in the country in a planned way through various Five Year Plans with the main objective of alleviation of poverty.

Economic development is a continuous process of improvement of standard of living. The 'green revolution' in agriculture and commendable progress in industry have certainly increased the total crop production and manufactured goods but it is doubtful whether these have been able to reduce substantially the inequality and poverty among different regions.

This year, a study was conducted to estimate the level of development at district level in the state of Kerala. This is very much needed since there is a growing consensus about the need of district level planning in the country. The study utilises district level data for the year 1991-92 on forty two socio-economic indicators out of which seventeen indicators are directly concerned with agricultural development, five indicators depict the progress of development in the industrial sector and the rest twenty indicators present the level of development in infrastructural service sector. The statistical methodologies applied and the conclusions emerging from the study are being presented separately. The study revealed that with respect to overall socio-economic development, the districts of Trichur, Kottayam, Ernakulum, Kannur, Kollam, Alappuzha and Thiruvananthapuram were found to be better developed as compared to the remaining districts of the State. The situation regarding the agricultural development was of similar nature as for the overall socio-economic development but the variation in the level of development in industrial sector was of higher order than the corresponding variation in agriculture and overall socio-economic fields. The regional disparities had been observed in the level of development of the State and the better developed districts cover about 43 per cent of area and 58 per cent of population whereas low developed districts cover about 44 per cent of area and 29 per cent population of the State. The growth and progress in the fields of agriculture and industry were found to be influencing overall socio-economic development in the positive direction. The infrastructural facilities provided in the State had a greater impact in improving the level of overall socio-economic development. The developments in agricultural and industrial sectors were found to go hand in hand in most of the districts of the State. The level of development was very closely associated with the economic status of the people. It is estimated

that in Kerala state one per cent improvement in the level of development would enhance the per capita income of the people by about 0.26 per cent.

The problem of finance for scientific activities of printing of the Journal and other ad-hoc publications could be solved to a certain extent through grants-in-aid received from the Ministry of Agriculture, Government of India and Indian Council of Agricultural Research. The Society wishes to acknowledge gratefully the financial assistance received from them during the year under report.

The Society continues to be a member of the International Statistical Institute and also of the Indian Association of Social Science Institutions. It is also affiliated to the Federation of Indian Societies of Agricultural Science and Technology (FISAST).

The last (47th) Annual Conference of the Society was held at Tirupati from 16 to 18 December, 1993 as per invitation received from Andhra Pradesh Agricultural University. The Conference was inaugurated by Prof. D. Raghava Rao, Temple University, USA. The Society is thankful to him for inaugurating the Conference. Dr. G. Nageshwara Rao, Department of Statistics & Mathematics, A.P.A.U., Hyderabad welcomed the delegates. Prof. Prem Narain, Secretary of the Society presented the report of the activities of the Society for the year. Prof. P.V. Sukhatme, executive President of the society presided over the function. Shri J.S. Sarma was honoured by the award of 'Sankhyiki Bhushan'. Prof. Prem Narain read out the citation and Prof. P.V. Sukhatme presented the award to Shri Sarma. Prof. Sukhatme also released a Souvenir on this occasion. Thereafter he made the Presidential Remarks. The Technical Address "Statistical Science in Agricultural Research and Development" was given by Prof. Prem Narain, the Sessional President. Dr. (Mrs.) M. Meenakshi Bai, Convenor of the Organising Committee and Head, Department of Statistics & Mathematics, APAU Campus at S.V. Agricultural College, Tirupati gave the Vote of Thanks.

Prof. D. Raghava Rao, Temple University, USA delivered a special lecture on "Agricultural Statistics vis-a-vis Statistics". Prof. Prem Narain presided over the lecture. "Dr. V.G. Panse Memorial Lecture" was to be delivered by Prof. P.K. Bose but due to his sudden and untimely demise, Prof. Prem Narain presented the salient results of his lecture. The topic of the lecture was "Energy Strategies and Population Problem in India". Prof. P.V. Sukhatme presided over the memorial lecture.

The "Dr. Rajendra Prasad Memorial Lecture" was delivered by Prof. P.V. Sukhatme. The topic of his lecture was "Diet and Disease".

Prof. Prem Narain presided over the memorial lecture. The symposium on "Statistical aspects of different cropping systems" was presided over by Shri J.S. Sarma, Vice President of the society and the convenor of the symposium was Dr. P.R. Sreenath, Principal Scientist, IASRI, New Delhi. The second symposium on "Improvement of Livestock Statistics" was presided over by Dr. Raja Reddy, Head, Department of Plant Genetics and Principal (acting), S.V. Agricultural College, Tirupati and the convenor of the symposium was Dr. O.P. Kathuria, Principal Scientist, IASRI, New Delhi. A session on "Statistical Computing" was organised under the chairmanship of Prof. T.V. Hanurav. Dr. V.K. Bhatia was the convenor. The research work carried out by the Research Unit of the Society during the year on "Regional Dimensions of socio-economic Development in Andhra Pradesh" was presented by Shri S.C. Rai, Joint Secretary of the Society. It was presided over by Shri J.S. Sarma.

The detailed summaries of the papers presented at the symposium as well as recommendations made have been printed in the Journal, Volume 46, No. 1, April, 1994. As many as 73 technical papers were presented at the Conference. The paper reading sessions were organised by conducting two concurrent sessions on two days. These sessions were presided over by Dr. Padam Singh and Dr. K.N. Ponnuswamy on the first day and Dr. Padam Singh and Dr. K.C. George on the second day. A session for presentation of papers considered for 'Young Scientist Award' was organised under the Chairmanship of Prof. Prem Narain. One paper was presented by Dr. Anil Rai, Scientist, IASRI, New Delhi, which was judged the best. The scientists who assisted the chairman to judge the best paper were Prof. T.V. Hanurav, Dr. Padam Singh, Dr. G. Nageshwara Rao and Dr. (Mrs.) M. Meenakshi Bai. The Society is thankful to the panel of judges who helped in grading papers and subsequently at the time of their presentation for Young Scientist Award.

The Society has conveyed its grateful thanks to the Vice Chancellor, A.P.A.U., Hyderabad for organising the last conference and also to the chairpersons of various sessions as well as to those who spared their valuable time in making the Conference a great success at Tirupati.

The Society provided financial assistance to deserving research workers and students to enable them to attend the Society's Conference at Tirupati for presenting their papers.

The railway authorities as in the past, gave travel concessions to the members of the Society and delegates to the 47th Annual Conference to enable them to attend the Conference at Tirupati. The Society records its grateful thanks to the railway authorities.

The accounts of the Society for the year ending 31 March, 1994 were audited by professional auditor appointed by the Society and these were presented at the General Body Meeting.

The work of the Society during the year was made possible through the active help of the members of the Executive Council of the Society, the Editorial Board and the Research Direction Committee. The burden of the entire secretariat of the Society has been willingly borne by my colleagues, Dr. Shivtar Singh, Shri S.C. Rai and Dr. Padam Singh. In the end I wish to thank the Staff of the Society for their devoted work.

PREM NARAIN

Secretary, ISAS

INDIAN SOCIETY OF AGRICULTURAL STATISTICS, Library Avenue, Pusa, New Delhi
Balance Sheet as on 31st March, 1994

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JOURNAL OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS

Previous Year	Liabilities	Current Year
4,00,000.00	Corpus Money	4,00,000.00
4,10,655.33	General Reserve	4,10,655.33
	Balacne as per last B/sheet	
	Add: Excess of Income over Expenditure	46,425.93
50,000.00	Publication Reserve	50,000.00
1,23,075.00	Capital Reserve (Life Membership Fees)	1,31,645.00
19,454.00	Advance Subscription for Journal	12,950.00
	Expenses Payable	
700.00	Audit Fees	700.00
600.00	Remuneration	

Previous Year	Assets	Current Year
	Cash & Bank Balances	
2,391.73	Cash in Hand	1,271.75
7,036.66	State Bank of India, Parliament Street C/A.	7,036.66
77,345.89	Syndicate Bank, Pusa, New Delhi, Savings A/C. SB.7793	10,693.49
174.77	Syndicate Bank, Pusa, New Delhi C/A. 516	2,305.77
16,398.60	State Bank of India, Parliament Street, Saving A/C.	16,398.60
		37,706.27
	Fixed Deposits	
1,88,825.00	Stante Bank of India Parliament Street, New Delhi	2,18,141.00
3,68,640.00	Syndicate Bank, Pusa, New Delhi	4,24,890.00
1,12,000.00	With Other companies (As per list)	1,22,621.00
		7,65,652.00

INDIAN SOCIETY OF AGRICULTURAL STATISTICS, Library Avenue, Pusa, New Delhi
Income & Expenditure Account for the year ending 31st March, 1994

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JOURNAL OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS

Previous Year	Expenditure	Current Year	Previous Year	Income	Current Year
61,851.29	To Annual Conferences	43,854.00	20,000.00	By Grant from ICAR for Conference	—
731.25	To Salaries & Honorarium	3,000.00	25,998.00	By Ordinary Membership Fees & Registration Fees	4,130.00
3,431.25	Less: 3/4 trfd. to Journal Account	2,950.00	660.00	By Sessional Membership Fees	1,620.00
	To Other Expenses		6,653.34	By Interest on Savings Bank	2,697.10
3,728.45	Postage	9,543.75	34,053.91	By Interest on Fixed Deposits	1,05,287.00
2,697.11	Printing & Stationery	2,825.61	3,758.58	By Profit on Published Books	4,502.35
90.00	Bank Charges	184.00	30.00	By Sale of Symposium Books	34.00
700.00	Audit Fees	700.00	—	By Student Membership	180.00
500.00	To Membership Fees to Indian Assn. of Social Science Institutions	500.00	91,153.83		1,18,450.45
	To Expenses on Sankhyaki Bhushan Award	5,404.00			
1,349.65	To Young Scientist Award Exp.	585.00			

1,000.00	To Best Paper Award	—	
600.00	To Accountancy Charges	—	
1,754.90	To Executive Meeting Exp.	2,203.50	
196.00	To Repair & Maintenance	—	
150.00	To Miscellaneous Exp.	836.46	
—	To Financial Assistance	4,638.00	
15,805.18	To Excess of Income over Expenditure C/o to General Reserve	46,425.93	
91,153.83		1,18,450.45	91,153.83
			1,18,450.45

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS (Research Unit), Library Avenue,
Pusa, New Delhi**

Balance Sheet as on 31st March, 1994

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JOURNAL OF THE INDIAN SOCIETY OF AGRICULTURAL STATISTICS

Previous Year	Liabilities	Current Year	Previous Year	Assets	Current Year
1,67,298.17	Balance as per last B/sheet	1,81,725.89	7,276.00	Fixed Asset	7,054.00
	Add: Addition during the year		3,390.45	Deposit with Post Office (PF. A/C)	3,390.45
14,427.72		14,057.97		Deficit A/C.	
	Expenses Payable	1,95,783.86	1,60,123.41	Balance as per last B/sheet	1,75,029.89
700.00	Audit Fee Payable	700.00		Add: Deficit for the year	
3,390.45	P.F. A/C of Sh. Bhiwani Dutt		14,906.48		14,279.97
		3,390.45	120.00	Advance to Staff	120.00
		4,090.45			
<u>1,85,816.34</u>		<u>1,99,874.31</u>	<u>1,85,816.34</u>		<u>1,99,874.31</u>

Income & Expenditure Account for the year ending 31st March 1994

AUDITED ACCOUNTS 1993-94

Previous Year	Expenditure	Current Year
41,360.00	To Establishment Expenses	44,755.00
	ADMINISTRATIVE EXPENSES	
5,394.22	To Printing & Stationery	5,651.22
700.00	To Audit Fees	700.00
1,653.00	To Telephone Expenses	—
2,172.00	To Travelling & Conveyance	1,779.00
1,242.85	To Postage Expenses	—
76.85	To Repairs	182.75
1,150.00	To Legal Exps.	—
808.76	To Depreciation on Assets	1,362.00
348.80	To Misc. Exp.	—
54,906.48		54,429.97

Previous Year	Income	Current Year
40,000.00	By Grant in Aid from Govt. of India, Ministry of Agriculture, Dept. of Agricultural Co-operation	40,000.00
14,906.48	By Deficit for the year trfd. to Balance Sheet	14,279.97
—	By Sale of Cycle	150.00
54,906.48		54,429.97

**INDIAN SOCIETY OF AGRICULTURAL STATISTICS, Library Avenue,
Pusa, New Delhi**

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Income & Expenditure Account (Journal) for the year ending 31st March 1994

Previous Year	Expenditure	Current Year	Previous Year	Income	Current Year
1.00	To Opening Stock (Token Value)	1.00	20,000.00	By Grant in Aid From ICAR	
52,452.00	To Printing Charges	64,364.00	20,602.00	By Sale & Subs. of Vol.	51,673.00
	ADMINISTRATIVE EXPENSES		33,554.00	By Sale of Back Volumes	2,900.00
—	To Printing & Stationery	2,352.20	1.00	By Closing Stock	1.00
2,193.75	To Staff Salaries	2,250.00	—	By Excess of Expenditure over Income	
7,067.50	To Postage Expenses	4,977.50			19,370.70
12,442.75	To Surplus for the year Trfd. to Balance Sheet	—			
74,157.00		73,944.70	74,157.00		73,944.70