



*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

Vol XXXII  
No. 2

ISSN 0019-5014

APRIL-  
JUNE  
1977

# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS,  
BOMBAY

## PUBLICATIONS RECEIVED

- Agro-Economic Research Centre, *Study of the Small Farmers Development Agency, Nalgonda District, Andhra Pradesh—Report for the Year 1973-74*, Andhra University, Waltair, December, 1975. Pp. xii+235 (mimeo.).
- Bank of India, *Impact of Bank Finance—A Study of Minor Irrigation in Shadnagar Taluka, Mehboobnagar District, Andhra Pradesh*, Economic and Statistical Department, Bombay-20, 1977. Pp. 74.
- Bartsch, William H., *Employment and Technology Choice in Asian Agriculture*, International Labour Organisation, Geneva; Praeger Publishers, Inc., New York, U.S.A., 1977. Pp. xx + 125.
- Bhati, J. P., *A Study of Simla Milk Supply Scheme: An Economic Appraisal*, Agro-Economic Research Centre (for H. P. & Adjoining Hilly Areas), Himachal Pradesh University, Simla-5, 1977. Pp. 70 (mimeo.).
- Cato, James C. and Eddleman, B. R., *Effects of Resource Investment Programs on Labor Employment in the Southeast*, Bulletin 785, Agricultural Experiment Stations, Institute of Food and Agricultural Sciences, University of Florida, Gainesville in co-operation with U.S. Department of Agriculture, December, 1976. Pp. v+45.
- Choubey, B. N., *Institutional Finance for Agricultural Development*, Shubhada-Saraswat, Pune-5, 1977. Pp. 339. Rs. 40.00.
- Dorner, Peter (Ed.), *Co-operative and Commune: Group Farming in the Economic Development of Agriculture*, The University of Wisconsin Press, Madison, Wisconsin, U.S.A., 1977. Pp. xiii+392. \$20.00.
- Farmer, B.H. (Ed.), *Green Revolution? Technology and Change in Rice-growing Areas of Tamil Nadu and Shri Lanka*, The Macmillan Press Ltd., Basingstoke, Hampshire, Great Britain, 1977. Pp. xvi+429. £ 12.00.
- Food and Agriculture Organization of the United Nations, *National Grain Policies, 1975*, Rome, Italy, 1976. Pp. v+271.
- Food and Agriculture Organization of the United Nations, *Production Yearbook, 1975*, Vol. 29, Statistics Division, Economic and Social Policy Department, Rome, Italy, 1976. Pp. xxi+555.
- Hall, H. S., *Standardized Pilot Milk Plants*, FAO Animal Production and Health Series No. 3, Food and Agriculture Organization of the United Nations and Industry Co-operative Programme, Rome, Italy, 1976. Pp. viii+104.
- Kothari, V. N. and Dadi, M. M., *Economic Benefits of Rural Electrification in Gujarat* (Research Project sponsored by the Gujarat Electricity Board), Maharaja Sayajirao University Economics Series No. 5, The University Publications Sales Unit, M. S. University Press, Baroda-1, 1977. Pp. xvi+233. Rs. 25.00.

- National Council of Applied Economic Research, *Changes in Rural Income in India, 1968-69, 1969-70, 1970-71*, New Delhi-2, 1975. Pp. xix+155. Rs. 25.00.
- National Dairy Development Board, *Replication of Anand Pattern Milk Producers' Co-operatives*, Anand, Gujarat, 1977. Pp. 24.
- Pandey, S. M. and Sodhi, J. S., *Developing the Rural Poor—A Study of Marginal Farmers and Agricultural Labourers Development Agency in Delhi*, Shri Ram Centre for Industrial Relations and Human Resources, New Delhi-5, 1977. Pp. ix+192. Rs. 30.00.
- Puttaswamaiah, K., *Nobel Economists*, Nrusimha Publications; Popular Book Depot, Bangalore, 1977. Pp. 182. Rs. 60.00.
- Ramachandran, L., *India's Food Problem: A New Approach*, Allied Publishers Pvt. Ltd., New Delhi-2, 1977. Pp. xx + 272. Rs. 50.00.
- Sabade, B. R. and Namjoshi, M. V., *Chambers of Commerce and Trade Associations in India*, Shubhada-Saraswat, Poone-5, 1977. Pp. xii+374. Rs. 65.00.
- Sankhayan, P. L., Grewal, S. S. and Others, *An Analysis of Income and Expenditure Pattern of Farm Families (Report for the Year 1975-76)*, Department of Economics and Sociology, Punjab Agricultural University, Ludhiana, 1977. Pp. 90+iv (mimeo.).
- Satyaprakash (Ed.), *Agriculture: A Bibliography*, Indian Documentation Service, Gurgaon, Haryana, 1977. Pp. 384. Rs. 125.00.
- Scientific American, *Food and Agriculture*, W. H. Freeman and Company, San Francisco, California, U.S.A., 1976. Pp. 154. Softcover: \$ 4.95; Hardcover: \$ 9.00.
- Shah, Manubhai M., *Integration of District Dairy Co-operatives in Gujarat*, Sardar Patel University, Vallabh Vidyanagar, Gujarat, 1977. Pp. xv+276. Rs. 15.00.
- Swarup, R. and Singh, Rajinder, *Agricultural Development in Himachal Pradesh (1951-52 to 1973-74)*, Agro-Economic Research Centre (for H. P. & Adjoining Hilly Areas), Himachal Pradesh Univesity, Simla-5, Pp. 175 +xii (mimeo.).
- Thakur, D. S. and Suresh, P., *Demonstration Dairy Farms in Operation Flood Milksheds (March 1975 to December 1976)*, National Dairy Development Board, Anand, Gujarat, 1977. Pp. 144.
- U.S. Agency for International Development, *Catalogue of Research Literature for Development—Vol. I: Food Production and Nutrition*, Washington, D. C., U.S.A., December, 1976. Pp. ix+427.

THE INDIAN SOCIETY OF

Balance Sheet as at

Previous Year	LIABILITIES	Rs.	Rs.
	<b>CAPITAL FUND :</b>		
Rs.			
1,19,124	As per last Account .. .. .	1,36,684	
2,560	Add : Life Membership fees received during the year	2,400	
	Amount transferred from income and expenditure account in terms of the Resolution of the General Body Meeting held on 25th October, 1975 .. .. .	—	
15,000			1,39,084
1,36,684			
—	ENDOWMENT FUND (Provision) .. .. .		25,000
5,000	SETH MAFATLAL GAGALBHAI LIBRARY FUND ..		5,000
	GRANT FROM AGRICULTURAL DEVELOPMENT COUNCIL INC., U.S.A.		
	(a) To enable the Society to supervise a three-year programme for improving the Research Competence in Agricultural Colleges and Universities:		
4,035	Balance as per last Balance Sheet .. ..	3,243	
792	Less : Farm Management Training Course Furniture and Equipments Depreciation ..	192	
3,243			3,051
	<b>STAFF PROVIDENT FUND :</b>		
		Rs.	
90,573	Provident Fund Balance as on 31st March, 1977 .. .. .	99,412	
1,328	Unpaid Society's Contribution ..	1,329	
5,296	Interest on Staff Provident Fund ..	8,746	
97,197		1,09,487	
60,500	Less : Staff Provident Fund Investment	60,500	
21,673	Balance with Post Office Savings Bank Account .. .. .	20,359	
15,024		80,859	28,028
1,59,961	Carried Over ..		2,00,763

# AGRICULTURAL ECONOMICS

31st March, 1977

Previous Year	ASSETS						Rs.	Rs.
Rs.	FURNITURE & FIXTURES : (at book value)							
7,216	As per last Account	..	..	..	..	..	7,216	
—	Additions	..	..	..	..	..	243	
							7,459	
5,940	Less : Depreciation to date	..	..	..	..	..	6,092	1,367
1,276	FURNITURE & FIXTURES : (at cost)							
	Out of Grant received from Agricultural Development Council, Inc., U.S.A. :							
691	As per last Account	..	..	..	..	..	691	
450	Less : Depreciation to date	..	..	..	..	..	474	217
241	OFFICE EQUIPMENT : (at book value)							
15,862	As per last Account	..	..	..	..	..	15,862	
14,630	Less : Depreciation to date	..	..	..	..	..	14,815	1,047
1,232	FARM MANAGEMENT TRAINING COURSE EQUIPMENT : (at cost)							
	Out of Grant received from Agricultural Development Council, Inc., U.S.A. :							
3,344	As per last Account	..	..	..	..	..	3,344	
2,225	Less : Depreciation to date	..	..	..	..	..	2,393	951
1,119	SETH MAFATLAL GAGALBHAI LIBRARY :							
4,477	Library Furniture : (at cost)	..	..	..	..	..	4,477	
—	Additions	..	..	..	..	..	973	
							5,450	
2,902	Less : Depreciation to date	..	..	..	..	..	3,157	2,293
1,575	LIBRARY BOOKS : (at book value)							
37,721	As per last Account	..	..	..	..	..	39,141	
1,420	Additions	..	..	..	..	..	1,176	
39,141							40,317	
1,912	Less : Depreciation upto 31st March, 1954	..	..	..	..	..	1,912	38,405
37,229								
42,672	Carried Over							44,280

THE INDIAN SOCIETY OF

Balance Sheet as at

Previous Year	LIABILITIES	Rs.	Rs.
Rs. 1,59,951	Brought Over		2,00,763
LIABILITIES:			
192	International Association of Agricultural Economists Membership Fees .. .. .	105	
5,688	A. E. C. D. Account (with Reserve Bank of India) .. .. .	7,460	
22,530	Sundry Creditors .. .. .	32,604	
10,881	Advance Royalty .. .. .	3,885	
2,835	Library Deposits .. .. .	2,775	46,829
GRATUITY RESERVE:			
40,200	As per last Account .. .. .	Rs. 40,000	
—	Add: Provision for the year .. .. .	1,831	41,831
—	Less: Paid during the year .. .. .	1,000	40,831
INCOME & EXPENDITURE ACCOUNT:			
1,35,769	Balance as per last Balance Sheet .. .. .	1,03,355	
40,000	Less: Transferred to Gratuity Reserve .. .. .	1,831	
15,000	Transferred to Capital Fund .. .. .	—	
—	Transferred to Endowment Fund .. .. .	25,000	26,831
80,769			76,524
22,585	Add: Surplus as per annexed Income & Expenditure Account (before providing for Depreciation on Library Books) .. .. .	31,336	1,07,860
1,03,354			
3,45,431	Total .. .. .		3,96,283

We have examined the Balance Sheet of the Indian Society of Agricultural Economics, as at 31st March, 1977, above set forth and the sub-joined Income & Expenditure Account of the Society, for the year ended on that date with the books and vouchers of the Society and find the same to be in accordance therewith.

Bombay, 22nd June, 1977.

Sd./-  
DALAL & SHAH  
Chartered Accountants

# AGRICULTURAL ECONOMICS

31st March, 1977

Previous Year	ASSETS	Rs.	Rs.
Rs. 42,672	Brought Over		44,280
	STOCK OF PUBLICATIONS ON HAND: (at cost)		
8,022	As certified and valued by the Hon. Secretary ..		11,969
	STOCK OF COMPUTER STATIONERY ON HAND: (at cost)		
2,900	As certified and valued by the Hon. Secretary ..		1,933
	BOOK DEBTS : (unsecured, good)		
5,581	Due by Sundry Persons for Publication Sales, Subscription, Advertisements, etc. .. ..		12,193
15,724	INTEREST ACCRUED ON STAFF PROVIDENT FUND INVESTMENTS .. .. .		21,422
	ADVANCES & DEPOSITS (unsecured, good)		
1,400	To Employees .. .. .	200	
99	Electricity Deposit with B. E. S. T. .. ..	90	
30	Deposit with Indian Post & Telegraph Department	30	320
3,950	LOAN TO EMPLOYEES (Provident Fund) .. ..		11,675
	CASH & BANK BALANCES :		
2,00,000	In Fixed Deposit with Bank .. .. .	2,20,000	
59,374	In Current Account and Saving Account with a Scheduled Bank .. .. .	65,031	
5,688	Deposit with Reserve Bank of India (A. E. C. D. Account) .. .. .	7,460	2,92,491
3,45,431	Total ..		3,96,283



THE INDIAN SOCIETY OF  
Income and Expenditure Account for the

Previous Year	EXPENDITURE	Rs.	Rs.
Rs.			
27,373	*Salaries .. .. .	27,498	
1,205	Add: Society's Contribution to Staff Provident Fund .. .. .	1,402	28,900
1,175	Rent .. .. .		1,360
3,529	Printing and Stationery .. .. .		2,036
3,374	Postage, Telegrams and Telephones .. .. .		4,791
125	Insurance Charges .. .. .		208
338	Electricity Charges .. .. .		456
79	Travelling and Conveyance .. .. .		171
110	Bank Charges .. .. .		203
—	Office Repair Expenses .. .. .		6,106
—	Repairs to Office Furniture .. .. .		272
—	Repairs to Office Equipment .. .. .		153
534	Depreciation .. .. .		591
1,806	Sundry Expenses .. .. .		1,385
150	Profession Tax .. .. .		150
—	Advertisements .. .. .		449
	RESEARCH EXPENSES :		
43,297	*Salaries .. .. .	38,517	
2,260	Add: Contribution to Staff Provident Fund .. .. .	2,233	40,750
64,199	Journal Printing and Other Expenses .. .. .		61,401
8,521	Seminar Report on Role of Irrigation in the Development of India's Agriculture .. .. .		—
24	Library Books and Journal Binding Charges .. .. .		—
4,014	Conference Expenses .. .. .		2,644
1,62,113	Carried Over .. .. .		1,52,026

\* Salaries are paid as per the Rules and Regulations of University of Bombay. Previous year's figures have been regrouped wherever necessary.

# AGRICULTURAL ECONOMICS

Year ended 31st March, 1977

Previous Year	I N C O M E						Rs.	Rs.
Rs.								
72,913	Subscription .. .. .							74,736
18,882	Interest .. .. .							21,131
4,563	Publication Sales .. .. .					7,074		
8,022	Add: Stock of Publication as on 31st March, 1977 .. .. .					11,969		
12,585						19,043		
8,337	Less: Stock of Publication as on 1st April, 1976 .. .. .				Rs. 8,022			
1,458	Less: Obsolete Stock written off in terms of Resolution of the General Body Meeting held on 25th October, 1970 .. .. .				1,800	6,222		12,821
6,879								
5,706								
4,618	Receipts from Advertisement in Publications ..							6,445
57,000	Grant-in-aid from Government of India, New Delhi							60,000
10,000	Grant-in-aid from Indian Council of Social Science Research, New Delhi .. .. .							5,000
12,771	Miscellaneous Receipts (including sale proceeds of publications written off previously) .. .. .							2,006
	Receipt from Sale of (Donated books/Pamphlets)							
1,742	(a) Index of Articles on Agricultural Economics ..					645		
163	(b) Evaluation of Land Reforms .. .. .					132		
128	(c) Emerging Problems of Marketing of Agricultural Commodities .. .. .					116		
2,077	(d) Comparative Experience of Agricultural Development in Developing Countries ..					756		1,649
—	Royalty .. .. .							6,995
4,051	Refund of Income Tax for the year 1974-75 ..							—
1,90,051	Carried Over ..							1,90,783

## Income and Expenditure Account for the

Sd./-  
**DALAL & SHAH**  
*Chartered Accountants*

88

*Year ended 31st March, 1977*

<u>1,90,051</u>	Total ..	<u>1,90,783</u>
-----------------	----------	-----------------

## MONEY SAVED IS MONEY EARNED

*Invest in our Savings Schemes and  
watch your money grow with us.*

Contact nearest branch of our Bank for details:

### STATE BANK OF MYSORE

*Head Office*  
Bangalore-560 009

H. C. Sarkar  
*Managing Director*

### MILLION TREES BUT TWO CHILDREN

*Our Branches in Greater Bombay:*

1. Bombay: Post Box 1066, 24/26, Dalal Street, Fort, Bombay-1.
2. Chembur: 296/A, Central Avenue Road, Bombay 71.
3. Mahim: "Karma Bhoomi," Mori Road, Mahim (West), Bombay-16.
4. Matunga: Kings Circle, Bombay-19.

## INDIAN JOURNAL OF INDUSTRIAL RELATIONS

*Editor: S. M. Pandey*

An interdisciplinary Journal devoted to the scientific study and advancement of knowledge in the fields of industrial relations and human resources including rural labour and social policy issues.

### *Appeared Recently*

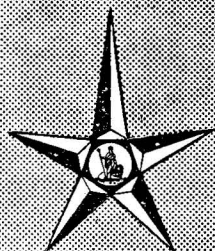
- |  |  |
|--|--|
| Structure of Rural Employment: A Seasonal Analysis ..      | by S. M. Pandey (January 1976)                   |
| Mechanisation, Employment Pattern and Productivity ..      | by G. C. Beri (April 1976)                       |
| Collective Bargaining and Conciliation in India ..         | by B. R. Patil (July 1976)                       |
| The Indian Urban Elites: An Exploratory Study ..           | by Nitish R. De and Rajesh Tandon (October 1976) |
| Interpersonal Feedback: The Transaction for Mutuality      | by Udai Pareek (January 1977)                    |
| Organization of Agricultural Workers: An Indian Case Study | by S. M. Pandey (April 1977)                     |
| Prospects of Urbanisation in 2000 A.D. ...                 | by Vinay Bharat Ram (July 1977)                  |

Published in every July, October, January and April  
 Price: Rs. 12.00 per issue; Rs. 45.00 a year; Rs. 85.00 for two years;  
 Rs. 125.00 for three years.

All manuscripts intended for publication and books for review should be sent in duplicate. Make cheques payable to Shri Ram Centre for Industrial Relations and Human Resources.

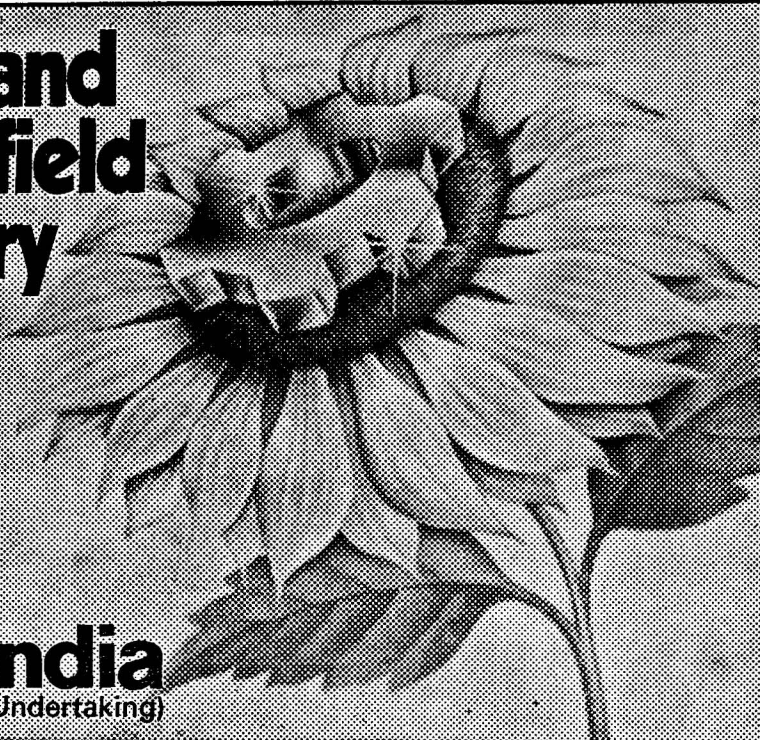
**SHRI RAM CENTRE FOR INDUSTRIAL RELATIONS AND HUMAN RESOURCES**  
 5-Sadhu Vaswani Marg, New Delhi-110005, INDIA.

# Progress and plenty in field and factory



## Bank of India

(A Government of India Undertaking)



daCunha/BOI/3 a.

### ARTHA VIJNANA

Quarterly Journal of the  
Gokhale Institute of Politics and Economics

#### CONTENTS

Vol. 19, No. 2

June 1977

- |   |  |
|---|--|
| A Study of Factor Intensities in Indian Manufacturing Sector with reference to Import Substitution .. .. .                | <i>Vidya Pitre</i>   |
| Identification of Backward Regions and the Trends in Regional Disparities in India .. .. .                                | <i>Hemalata Rao</i>  |
| Estimation of Production Functions for Indian Manufacturing Sector: Pooling of Cross-Section and Time-Series Data .. .. . | <i>Vijay K. Bhasin and Vijay K. Seth</i>                     |
| Input Structures through Time: The Case of Coal Mine Industry .. .. .   | <i>N. Naganna</i>  |
| Annotated Bibliography on the Economic History of India (1500 A. D. to 1947 A.D.) Scope and Content .. .. .               | <i>S. H. Pore</i>  |
| <i>Notes and Memoranda</i>  |  |
| The Keynes Effect and the Capital Market: A Methodological Note .. .. .   | <i>Ogden O. Allsbrook, Jr. &amp; Charles D. DeLorme, Jr.</i> |
| A Note on IS-LM Stability and Economic Policy .. .. .   | <i>Richard J. Cebula</i>                                     |

#### Book Reviews

Revised Subscription Rates from 1-1-1977 (inclusive of postage)

Annual: Rs. 30; \$ 10; £ 5.

Single issue: Rs. 10; \$ 3; £ 1.50.

Please address all correspondence relating to academic matters (e.g., articles, book reviews, etc.) to Dr. Vasant P. Pethe, Managing Editor, *Artha Vijnana* and other correspondence (e.g., subscriptions, etc.) to the Editorial Assistant, *Artha Vijnana*, Gokhale Institute of Politics and Economics, Poone-411 004, India.

## WAERSA/CAB ABSTRACTS ON-LINE

**CAB Abstracts**, the world's leading database in agriculture and related fields are now available on-line through Lockheed's **Dialog** Retrieval Service.

Features of the service include:

- records taken from 8,500 world serials in 37 languages.
- 450,000 records on tape since January 1972, increasing by 10,000 monthly.
- searches may encompass the whole database or be limited to one or more journals like WAERSA, or to groups of "animal" or "plant" subfiles.

**World Agricultural Economics and Rural Sociology Abstracts (WAERSA)** is still available both in its normal form and in microform at the same price. In 1976 it included 7,683 fully indexed abstracts on agricultural economics and policy; development and agrarian reform; land use and conservation; rural development; supply, prices, marketing and trade; farm management and production economics; education, extension and research; co-operation; rural sociology.

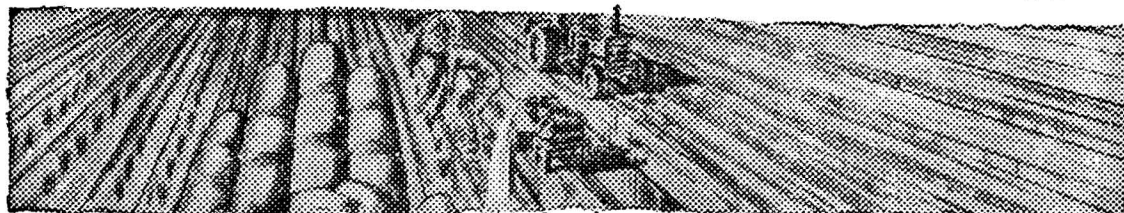
1977 Subscription Rates: US \$110 (1 year), US \$210 (2 years)  
£ 24.00 ( " ), £ 46.00 ( " )  
(members of CAB)

●  
*For information and orders contact:—*

**Commonwealth Agricultural Bureaux,  
Farnham House,  
Farnham Royal,  
Slough, SL2 3BN, England.**



## The sun, the rain, your sweat and Bank of Baroda



### can make any field give better yield

Bank of Baroda's assistance to the agriculturist extends to diverse fields. Seeds and fertilizers, agriculture implements and tractors, land development, farm structures, pumpsets and other minor irrigation facilities—name your need. Extend your activities to such profitable lines like piggery, dairy, poultry, gobar gas, vegetable and fruit gardens.

Bank of Baroda will recognise your sweat and render possible assistance in all these spheres. For details, go to the nearest branch.



**Bank of Baroda**

A Government of India Undertaking

### AGRICULTURAL SITUATION IN INDIA

A Monthly Journal of the Directorate of Economics and Statistics,  
Ministry of Agriculture.

#### Main features:

- \* Articles from experts to enable critical appreciation of current trends and prospects.
- \* Extensive commentary on the agricultural development in India and abroad.
- \* Reviews on important agricultural commodities.
- \* Comprehensive statistical tables—crop production, wages, prices, import and export, rainfall and crop estimates.

Commanding a wide and influential readership in India and abroad, **Agricultural Situation in India** is an invaluable guide to business executives, administrators and students of agricultural economics.

Subscription { Single copy : Rs. 4.00 or £ 0.47 or \$ 1.44  
                              Annual : Rs. 48.00 or £ 5.60 or \$ 17.28

#### Available from:

The Controller of Publications, Civil Lines, Delhi-110 006.



**ADVERTISEMENT TARIFF**  
**FOR**  
**INDIAN JOURNAL OF AGRICULTURAL ECONOMICS**  
**(Quarterly)**

**Mechanical Data**

Size of printed page:  $19\frac{1}{2}$  cms.  $\times$   $12\frac{1}{2}$  cms.

No. of columns: One

Width of column:  $12\frac{1}{2}$  cms.

Average No. of pages per issue :

about 300 for Conference Number;  
 about 120 to 140 for other numbers  
 on fine quality printing paper.

**RATES**

	<i>Per issue</i>	<i>Per Annum (4 issues)</i>
Half page	Rs. 150/-	Rs. 500/-
Full page (ordinary)	Rs. 300/-	Rs. 1,000/-
Inside Back Cover page	Rs. 400/-	Rs. 1,400/-
Back Outer Cover page	Rs. 500/-	Rs. 1,800/-
<b>Membership Fee per Annum: Rs. 30.00 or £ 5.50 or \$ 10.50</b>		
<b>Corporate Membership Fee per Annum: Rs. 100.00.</b>		
<b>Annual Subscription: Rs. 45.00 or £ 9.50 or \$16.00</b>		
<b>—post free.</b>		
<b>Student Concessional Subscription per Annum: Rs. 15.00</b>		
<b>—post free.</b>		

*For further particulars please contact:*

**The Honorary Secretary**

**THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS**

43-48, Esplanade Mansions, Mahatma Gandhi Road  
 Fort, Bombay-400 023 (India)

**Even money can  
rob you of  
more money.....**

**.....When kept idle.**

Let not this happen to you, when there are safe and sure ways of making money yield more money.

Invest with confidence in our daily deposits, short term Fixed Deposits, long term Fixed Deposits, monthly interest payable deposits, various Cumulative Deposits, Cash Certificates, Savings Bank Deposits and a host of other ideal saving schemes to suit your purse and financial needs.

## **SYNDICATE BANK**

**Where Service is a Way of Life**

*Head Office : Manipal 576 119 (Karnataka)*

## **THE BANGLADESH DEVELOPMENT STUDIES**

**The Bangladesh Institute of Development Studies**

Volume IV

October 1976

Number 4

### **ARTICLES**

- |                           |   |
|---------------------------|---|
| <b>Edward J. Clay</b>     | Institutional [Change and Agricultural Wages in Bangladesh                            |
| <b>Lawrence M. Hannah</b> | Hand Pump Irrigation in Bangladesh  |
| <b>Harry G. Johnson</b>   | Money, Balance of Payments Theory, and the International Monetary Problem             |
| <b>Sadiq Ahmed</b>        | An Exercise in Social Profitability Analysis: The Case of Ashuganj Fertilizer Project |

### **NOTE**

- |                       |   |
|-----------------------|---|
| <b>Iftikhar Ahmed</b> | Reduction in Rural Income Inequality through Land Redistribution: A Quantitative Estimate |
|-----------------------|---|

Published four times a year: January, April, July and October. Annual subscription is Tk. 33.00 or US \$ 15.00 or UK £ 6.00 or equivalent thereof in other currencies.

Reprints of articles are available in limited quantity at Tk 2.00 or US \$ 1.00 or equivalent thereof in any other currencies.

Books for review should be sent in duplicate to the Executive Editor. Manuscripts in duplicate and editorial correspondence should be addressed to the Executive Editor, **The Bangladesh Development Studies**, Adamjee Court, Motijheel Commercial Area, Dacca-2, Bangladesh. Style instructions for guidance in preparing manuscripts in acceptable form will be provided upon request. Rejected manuscripts are not returned.

## THE MAHARASHTRA STATE CO-OPERATIVE LAND DEVELOPMENT BANK LTD., BOMBAY

J. K. Building, 2nd floor, N. M. Marg, Ballard Estate, Fort, Bombay-400 038.

Phone : 267801-2-3

Telegram : "MORTGAGE"

### SALIENT FEATURES OF THE BANK

	As on 30/6/1976 ( <i>Rs. in lakhs</i> )
1) Paid-up share capital .. .. .	2,784.83
2) Loan outstanding .. .. .	15,821.46
3) Reserve funds and other funds .. .. .	710.21
4) Debentures in circulation .. .. .	19,648.30
5) Loan advanced during the year 1975-76 .. .. .	2,311.87

The Bank is having a loaning programme of Rs. 28 crores for the year 1976-77.

As a part of 20-point economic programme, the Bank has formulated schemes for small and marginal farmers and new allottees of land under which loans for 400 wells and pump-sets in each District will be sanctioned. They are eligible for 25% subsidy from Government of Maharashtra under this Scheme.

We also advance loans for renovation of old wells and construction of new wells, oil engines, electric motors, power tillers, tractors, crushers, lift irrigation schemes, pipe lines, horticulture and dairy development schemes, etc.

For further details, contact District Branch/Sub-branch Office of the Bank in the State.

**D. G. Tungare, I. A. S.,**  
MANAGING DIRECTOR

**S. N. Patil**  
CHAIRMAN

## INDIAN JOURNAL OF AGRICULTURAL ECONOMICS—REPRINTS

Many back issues/volumes of the Indian Journal of Agricultural Economics are currently out of print. Enquiries have been received by the Society for the supply of the back volumes of the Journal. With a view to enabling the interested readers, agricultural universities, colleges and other research institutions to complete their holdings of the back issues/volumes of the Journal, the Society has entered into an agreement with the Researchco Reprints, Delhi whereby the Researchco Reprints has been given full rights of reprinting of all the issues of Volumes 1 to 29 of the Journal which are out of print now. The Researchco Reprints is presently preparing the reprints of the above-said volumes of the Journal. Kindly direct your orders and enquiries for back issues/volumes of the Journal (including reprints) to the Researchco Reprints, 1865 Trinagar, Delhi-110 035 (India).

## GUIDELINES FOR SUBMISSION OF PAPERS BY AUTHORS

**1. Subjects:** The objective of the *Journal* is to provide a forum for dissemination and exchange of findings of research on agricultural economics. Purely descriptive material is not appropriate for such a journal. Papers dealing with (i) new developments in research and methods of analysis, or (ii) which apply existing empirical research methods and techniques to new problems or situations, or (iii) which attempt to test new hypotheses/ theoretical formulations or modifications of existing theories or policies to explain economic phenomena especially in the Indian context, or (iv) papers based on research done by the authors bringing out new facts or data presented in an analytical frame will be preferred. Younger economists are advised to seek guidance from their seniors in the preparation of the paper for the *Journal*. A one-page statement indicating the author's own assessment of the importance and relevance of the findings reported in his paper in the context of recent researches would be welcome.

**2. Size of Paper :** In view of the exorbitant increase in the cost of printing, it has become necessary to restrict the length of the papers accepted for publication to 20 (double space) typed pages (of the size 8½-by-11 inches) including tables and appendices (with margins on all sides of at least 1½ inches). Papers exceeding this size limit will be returned to the authors. The authors may however send along with their papers such "supporting material" as may be of help to the referees in evaluating them. Abstracts not exceeding 100 words should be submitted in duplicate along with the paper.

**3. Copies :** Two copies of each paper should be submitted along with a processing fee of Rs. 15/- either by M.O. or crossed I.P.O. (\$ 4.00 or £ 2.50) drawn in the name of the Indian Society of Agricultural Economics, to meet partly the postage and other incidental charges.

**4. Author's identification :** To protect the anonymity of authors while referring the Papers for expert opinion on their merits, authors are advised to avoid disclosing their identity in the text and to attach a separate page showing the name(s) and affiliation(s) of the author(s) along with any footnotes containing bibliographical information or acknowledgements.

**5. Mathematical notations :** Only essential mathematical notations may be used; it is prohibitively costly to typeset such notations. All statistical formulae should be neatly typed.

**6. Figures-Charts and Tables :** Professional assistance should be availed of while presenting figures and charts. They should be drawn in black ink which can be easily reproduced by photographic process. Typescript is not suitable for reproduction. Roman numerals may be used for tables.

**7. Footnotes :** Footnotes should be numbered consecutively in plain arabic superscripts.

**8. References and citations :** Only cited works should be included in the reference list. Please follow the style of citations as in previous issues of this *Journal*.

**9. General :** While sending papers the authors should state that the material has not been published elsewhere or is not being published or being considered for publication elsewhere.

**10. Reprints :** Ten free reprints of the paper would be given to the author; additional reprints, if required, are supplied at cost which may be ascertained from the Editor.

---

*Printer :* Shri G.R. Shetty; Type-setting on Postscript laser printer at Indian School of Political Economy, Arhabodh, Pune - 411 016; Place of printing : Mudra, 383 Narayan Peth, Pune - 411 030; *Publisher :* Shri G.R.Shetty; Place of Publication and Owners : The Indian Society of Agricultural Economics, 46-48, Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay-400 001.

*SOME OF THE  
PUBLICATIONS OF THE INDIAN SOCIETY OF  
AGRICULTURAL ECONOMICS*

1. INDIAN JOURNAL OF AGRICULTURAL ECONOMICS 1940-1964-SELECTED READINGS (1966)	25.00
2. EVALUATION OF LAND REFORMS (with special reference to the Western Region of India) by Prof. M.L. Dantwala and Dr. C.H. Shah (1971)	15.00
3. COMPARATIVE EXPERIENCE OF AGRICULTURAL DEVELOPMENT IN DEVELOPING COUNTRIES OF ASIA AND THE SOUTH-EAST SINCE WORLD WAR II (1972)	
Cloth bound \$ 9.00, £ 3.60	45.00
Card bound	30.00
4. INDIAN AGRICULTURAL DEVELOPMENT SINCE INDEPENDENCE (1986)	135.00
5. AGRICULTURAL DEVELOPMENT IN INDIA: THE NEXT STAGE (1988)	190.00
6. AGRICULTURAL DEVELOPMENT POLICY: ADJUSTMENTS AND REORIENTATION (1990)	250.00

SEMINAR SERIES

7. No. IV. SEMINAR-CUM-WORKSHOP ON PROBLEMS OF FARM PRODUCTION PLANNING AND PROGRAMMING (1964)	10.00
8. No. VI. SEMINAR ON FARM PRODUCTION PLANNING AND PROGRAMMING (1965)	8.00
9. No. VIII. SEMINAR ON FOODGRAINS BUFFER STOCKS IN INDIA (1969)	12.00
10. No. XII. SEMINAR ON RURAL DEVELOPMENT FOR WEAKER SECTIONS (1974)	25.00
11. No. XIII. SEMINAR ON THE ROLE OF IRRIGATION IN THE DEVELOPMENT OF INDIA'S AGRICULTURE (1976)	30.00
12. No. XV. SEMINAR ON CROP INSURANCE (1983)	60.00
13. TECHNOLOGY OPTIONS AND ECONOMIC POLICY FOR DRYLAND AGRICULTURE: POTENTIAL AND CHALLENGE Edited by Dr. N.S. Jodha (1989)	250.00
14. LIVESTOCK ECONOMY OF INDIA (1989)	95.00

Nos. 4, 6 and 14 can be had from:  
OXFORD & IBH PUBLISHING CO. PVT. LTD.,  
66, JANPATH, NEW DELHI-110001.

No. 5 from:  
HIMALAYA PUBLISHING HOUSE,  
Ramdoot, Dr. Bhalerao Marg, Girgaon, Bombay-400 004.

No. 13 from:  
CONCEPT PUBLISHING COMPANY,  
A-15-16, Commercial Block,  
Mohan Garden,  
New Delhi-110 059.

The rest can be had from:  
THE INDIAN SOCIETY OF AGRICULTURAL ECONOMICS,  
46-48, Esplanade Mansions,  
Mahatma Gandhi Road, Fort, Bombay-400 001.