



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

*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 XXVIII
No. 4

ISSN 0019-5014

CONFERENCE
NUMBER

OCTOBER-
DECEMBER
1973

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



INDIAN SOCIETY OF
AGRICULTURAL ECONOMICS,
BOMBAY

INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



(Organ of the Indian Society of Agricultural Economics)

Vol. XXVIII

OCTOBER—DECEMBER 1973

No. 4

CONFERENCE NUMBER

—:O:—

PAPERS READ

at the

THIRTY-THIRD ANNUAL CONFERENCE

of the

INDIAN SOCIETY OF AGRICULTURAL ECONOMICS

Rajendranagar, Hyderabad (A.P.), December 26-28, 1973

SUBJECTS

1. INTEGRATED AREA DEVELOPMENT WITH REFERENCE TO DISTRICT PLANNING.
2. AGRICULTURAL INPUT SUPPLY SYSTEMS INCLUDING MARKETING.
3. BENEFIT-COST ANALYSIS OF AGRICULTURAL PROJECTS.

Rs. 7.00

**THE
INDIAN SOCIETY OF AGRICULTURAL
ECONOMICS, BOMBAY**

OFFICE-BEARERS FOR 1973

President:

Prof. M. L. Dantwala

Vice-Presidents:

Dr. S. S. Johl
Dr. G. Parthasarathy
Shri Ram Saran
Dr. C. H. Shah
Dr. V. S. Vyas

Hon. Secretary & Treasurer:

Dr. V. M. Rao

Hon. Jt. Secretary:

Dr. (Mrs.) Tara Shukla

Shri J. S. Sarma (Ex-Officio as President-elect for the Conference)

Members of the Executive Committee:

Dr. K. K. S. Chauhan
Dr. J. S. Garg
Dr. M. V. George
Dr. P. C. Goswami
Dr. Bidyadhar Mishra
Shri C. Muthiah
Dr. R. Ramanna
Dr. S. M. Shah
Dr. D. S. Sidhu
Dr. R. D. Singh
Dr. R. P. Singh
Dr. R. N. Tewari

CONTENTS

INTEGRATED AREA DEVELOPMENT WITH REFERENCE TO DISTRICT PLANNING

	Page
1. KATAR SINGH	1
2. N. D. JOSHI	8
3. V. NAGESWARA RAO	17
4. G. S. LAVANIA AND A. K. CHAUDHARI	22
5. AJIT KUMAR SINGH	27
6. DAULAT SINGH, RAM IQBAL SINGH AND S. N. RAI	32
7. VISHWA NATH	38
8. K. SAIN AND B. BAGCHI	41
9. SULATA RUDRA	47
SUMMARIES	52
RAPPORTEUR'S REPORT—S. M. SHAH	63

AGRICULTURAL INPUT SYSTEMS INCLUDING MARKETING

1. H. K. BAL AND H. S. BAL	68
2. P. L. SANKHAYAN, D. S. SIDHU AND P. S. RANGI	77
3. R. J. PATEL AND L. J. GABANI	85
4. R. D. GHODAKE, A. S. SIROHI AND D. JHA	92
5. G. C. PATHAK, S. L. SHAH AND T. V. MOORTI	99
6. D. P. SHARMA AND V. V. DESAI	104
7. K. N. RAI, A. C. GANGWAR AND PARAMATMA SINGH	109
8. GURDEV SINGH AND V. RAMACHANDRAN	116

	Page
9. ANANDAMOY SEN	123
10. RAM IQBAL SINGH, RAM KUNWAR AND SHRI RAM	130
11. V. RAJAGOPALAN, S. VARADARAJAN AND R. SRINIVASAN	137
SUMMARIES	143
RAPPORTEUR'S REPORT—GUNVANT M. DESAI	158

BENEFIT-COST ANALYSIS OF AGRICULTURAL PROJECTS

1. M. V. GEORGE AND P. T. JOSEPH	173
2. T. V. MOORTI AND JOHN W. MELLOR	181
3. ARUNENDU MUKHOPADHYAY	189
4. M. C. AGARWAL	197
5. S. B. LAL GUPTA, RAJENDRA PRASAD AND R. K. PANDEY	205
6. ROBERT E. EVENSON AND DAYANATHA JHA	212
SUMMARIES	231
RAPPORTEUR'S REPORT—NILAKANTHA RATH	247

CONTENTS

INTEGRATED AREA DEVELOPMENT WITH REFERENCE TO DISTRICT PLANNING

	Page
1. KATAR SINGH	1
2. N. D. JOSHI	8
3. V. NAGESWARA RAO	17
4. G. S. LAVANIA AND A. K. GHAUDHARI	22
5. AJIT KUMAR SINGH	27
6. DAULAT SINGH, RAM IQBAL SINGH AND S. N. RAI	32
7. VISHWA NATH	38
8. K. SAIN AND B. BAGCHI	41
9. SULATA RUDRA	47
SUMMARIES	52
RAPPORTEUR'S REPORT—S. M. SHAH	63

AGRICULTURAL INPUT SYSTEMS INCLUDING MARKETING

1. H. K. BAL AND H. S. BAL	68
2. P. L. SANKHAYAN, D. S. SIDHU AND P. S. RANGI	77
3. R. J. PATEL AND L. J. GABANI	85
4. R. D. GHODAKE, A. S. SIROHI AND D. JHA	92
5. G. C. PATHAK, S. L. SHAH AND T. V. MOORTI	99
6. D. P. SHARMA AND V. V. DESAI	104
7. K. N. RAI, A. C. GANGWAR AND PARAMATMA SINGH	109
8. GURDEV SINGH AND V. RAMACHANDRAN	116

	Page
9. ANANDAMOY SEN	123
10. RAM IQBAL SINGH, RAM KUNWAR AND SHRI RAM	130
11. V. RAJAGOPALAN, S. VARADARAJAN AND R. SRINIVASAN	137
SUMMARIES	143
RAPPORTEUR'S REPORT—GUNVANT M. DESAI	158

BENEFIT-COST ANALYSIS OF AGRICULTURAL PROJECTS

1. M. V. GEORGE AND P. T. JOSEPH	173
2. T. V. MOORTI AND JOHN W. MELLOR	181
3. ARUNENDU MUKHOPADHYAY	189
4. M. C. AGARWAL	197
5. S. B. LAL GUPTA, RAJENDRA PRASAD AND R. K. PANDEY	205
6. ROBERT E. EVENSON AND DAYANATHA JHA	212
SUMMARIES	231
RAPPORTEUR'S REPORT—NILAKANTHA RATH	247

PREFACE

This issue of the Journal contains the Papers selected for discussion at the 33rd Session of the Annual Conference of the Society scheduled to be held under the auspices of the A. P. Agricultural University, Rajendranagar, Hyderabad (A.P.) from 26th to 28th December, 1973. The subjects selected for discussion at this Session of the Conference are:

- (1) Integrated Area Development with reference to District Planning.
- (2) Agricultural Input Supply Systems including Marketing.
- (3) Benefit-Cost Analysis of Agricultural Projects.

The Rapporteurs' Reports on each of these three subjects are also included in this issue. The President-Elect of the Conference on the recommendation of the Rapporteurs accepted 76 Papers for discussion at this Conference. Out of these, 26 Papers have been published in full in this issue along with the Summaries of the remaining 50 Papers. We regret that it has not been possible to print all the Papers in full because of the heavy cost of printing. We apologise to the authors whose Papers could not be published in full. We are thankful to the Rapporteurs for sending their Reports covering the main points contained in the Papers and also for framing the issues for discussion.

28th November, 1973

M. L. DANTWALA
Chairman, Editorial Board