

Celebrated Golden Jubilee 1961-2011

ANNUAL REPORT

2011-2012



Agro-Economic Research Centre
For the states of Gujarat and Rajasthan
(Sponsored by Ministry of Agriculture, Govt. of India)
Sardar Patel University, Vallabh Vidyanagar
Dist. Anand, Gujarat, India.

ANNUAL REPORT

2011-12



A E R C

Established in 1961

Agro-Economic Research Centre

For the states of Gujarat and Rajasthan

(Sponsored by Ministry of Agriculture, Govt. of India)

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Annual Report 2011-12

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Published by

The Director

Agro-Economic Research Centre

For the states of Gujarat and Rajasthan

(Sponsored by Ministry of Agriculture, Govt. of India)

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Published in March 2013

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Chairman's Statement

It gives me immense pleasure to take note of the achievements of the Agro-Economic Research Centre (AERC) for the year 2011-12. I am pleased to note that the Centre has continued the tempo of academic activities for the 51st year in succession. The Annual report 2011-12 presents a fairly comprehensive account of the various academic activities of the Centre. It also describes the activities of the faculty members and researchers at the Centre.

Right from its inception, this Centre has undertaken number of research studies on major agriculture development programmes enjoying high national priority. This centre has in its own modest way, strived to build bridges of understanding between ground realities and macro public policies. It has provided worthwhile feedback in the formulation of policies relating to agriculture and rural development in Gujarat and Rajasthan. Collection of high quality field data has been a widely recognized hallmark of our field research.

The year was marked by implementation of two important decisions as well as research work carried out by the Centre for the Planning Commission, Government of India, New Delhi. The implementation of sixth pay commission recommendations and payment of arrears in installment was good news for the staff of AERC and CCS. Also implementation of revised TA and DA Rules helps us to collect quality data from the field. The Planning Commission, Government of India had asked our Centre to evaluate C-DAPs of 3 districts each of Gujarat and Rajasthan. Also, the National Assessment and Accreditation Council's Peer Team on Institutional Re-accreditation for S.P. University visited the AER Centre during August 3-6, 2011 and appreciated the work done by the Centre.

Apart from the deepening the research studies in the area of agriculture and rural development, the faculty of the Centre participated in seminars, conferences, workshops, group discussion on field and various meetings. The wide ranging activities of the Centre as summarized in the report are truly gratifying. On the behalf of Governing body of the Centre, I congratulate the Director, faculty and staff for their excellent performance and sincere efforts in furthering the attainment of the objectives of the Centre.

The challenges faced by the AERC during the year included sudden resignation of the Director in the month of November 2011; delay in receipt of grant-in-aid from Ministry of Agriculture and pending long lasting demand of pension benefits by AERC and CCS staff. I am sure the next year will see larger output of quality research, more publications, effective communications, and more collaborative work.

Dr. Harish Padh
Chairman, Governing Body, AERC and
Vice Chancellor, S.P. University, Vallabh Vidyanagar, Anand, Gujarat



From the Director's Desk

I am happy to present before you annual report of Agro-Economic Research Centre for the period from April 2011 to March 2012. The report serves the twin objectives of self appraisal of our performance and of sharing the information about the researchers, studies conducted and other academic activities of the Centre's faculty and staff with our well wishers, supporters and other interested groups and individuals. The wider circulation of this document helps in getting feedback from our well-wishers and relevant public for making our studies and dialogues more relevant to the emerging needs.

Though I was not a part of the AERC during the period under report, I feel privileged to prepare this document and present it before you. I joined the AERC on July 5, 2012 after having served as a faculty member for more than ten years for Gokhale Institute of Politics and Economics (Deemed University under section 3 of the UGC Act, 1956), Pune, Maharashtra. I took over the charge of the Director from the Deputy Director of the Centre. Thus, this report covers the outcome of efforts made under the guidance of Prof. R.H. Patel, former Director and Dr. (Mrs) Rajeshree Dutta, Deputy Director (former In-charge AERC).

The activities of the Centre during the year under report include both research programmes and activities aimed at the dissemination of knowledge gained through research and studies through conference, seminar, workshop, lectures and group discussion. The faculty members have participated in several academic activities. During the year under report, Centre has submitted seven research projects. Recognizing the importance of library and computer support for academic activities of the faculty and staff, Centre upgraded both these support systems.

We continue to strive for attaining new goals and open up new avenues for our academic endeavors. This is possible only through the hard work of all staff members, guidance received from the esteemed members of the Governing Body of AERC, and the support as well as appreciation from a number of individuals as well as organizations within and outside the country.

I wish to express my grateful thanks to Chairman and the members of the Governing Body; Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi; Planning Commission, Government of India, New Delhi; Department of Agriculture and Cooperation, Government of Gujarat, Gandhinagar; Department of Agriculture, Government of Rajasthan, Jaipur; Officers of S.P. University, several government and non-government organizations and individuals for their support in various ways to the Centre. I wish to place on record my appreciation of the good work done by the faculty and excellent support provided by the supporting staff of the AERC and CCS, who worked hard during the year for achieving newer heights of academic attainments.

Vallabh Vidyanagar

Dr. S.S. Kalamkar
Director

Highlights of the Year

- The faculty and the research staff members of the Centre completed seven research projects.
- The Ministry of Agriculture, Govt. of India assigned new five projects on January 18, 2012 to our Centre, which are under progress.
- The Ministry of Agriculture, Govt. of India assigned additional three more new projects (on May 7, 2012, August 16 and 30, 2012) to our Centre, which are under progress.
- The faculty brought out one book, published 14 research papers and participated in seminars, conferences, workshops and training programmes.
- Dr. Harish Path, Vice Chancellor constituted a Search Committee of Dr. V. S. Vyas, Dr. Y. K. Alagh and Dr. Mahesh Pathak for finding a suitable candidate for the permanent post of Director of the Centre.
- The Vice Chancellor constituted a Committee of Dr. V. S. Vyas, Dr. Y. K. Alagh and Dr. Mahesh Pathak to suggest the names of 2/3 experts for induction as new members on the Governing body of the Centre.
- The new TA and DA Rules for AERC were approved by the University Syndicate in its meeting held on 30.01.2012.
- The payment of revised Gratuity amount is implemented.
- The Computer Centre and Library of the Centre were upgraded.
- Dr. R. H. Patel, Director of AERC resigned on November 9, 2011. Dr. (Mrs. Rajeshree Dutta, Deputy Director was given additional charge as In-charge of the Centre.
- New Conference Hall has been made ready with all modern equipments and facilities.

Governing Body

The Governing Body meets once a year under the Chairmanship of Vice Chancellor to discuss wide ranging issues including technical administrative and financial matters of the Centre.

As on September, 2012

- **Dr. Harish Padh**
Vice Chancellor,
Sardar Patel University,
Vallabh Vidyanagar – 388 120, Anand, Gujarat
- **Economic and Statistical Adviser,**
Directorate of Economics & Statistics,
Department of Agriculture and Cooperation, Ministry of Agriculture,
Government of India, New Delhi -110 001.
- **Dr. V. S. Vyas,**
Member, Economic Advisory Council to the Prime Minister and
Professor Emeritus, Institute of Development Studies,
8/B, Jhalana Institutional Area, Jaipur 302 004.
- **Dr. Y. K. Alagh,**
Chancellor,
Central University of Gujarat,
Sector 30, Gandhinagar - 382 030.
- **Addl. Chief Secretary,**
Agriculture Co-operation and Rural Development Department,
Government of Gujarat,
New Sachivalaya, Gandhinagar – 382 010, Gujarat.
- **Principal Secretary,**
Policy, Planning, Agricultural Production, Co-Operation, Relief Rehabilitation,
Government of Rajasthan,
Jaipur – 302 005, Rajasthan
- **Dr. A. S. Patel,**
Retd. Professor, Department of Economics, Sardar Patel University,
Vallabh Vidyanagar – 388 120, Anand, Gujarat
- **Dr. Mahesh Pathak**
Honorary Advisor
Agro-Economic Research Centre,
Sardar Patel University, Vallabh Vidyanagar 388120, Anand, Gujarat
- **Director,**
Agro-Economic Research Centre, Sardar Patel University,
Vallabh Vidyanagar 388120, Dist. Anand, Gujarat
- **Dr. (Mrs.) Rajeshree Dutta**
Deputy-Director,
Agro-Economic Research Centre, Sardar Patel University,
Vallabh Vidyanagar 388120, Anand, Gujarat

Composition of the Reconstituted Governing Body (October, 2012)

- **Dr. Harish Padh** (Chairman)
Vice Chancellor,
Sardar Patel University,
Vallabh Vidyanagar -388120, Anand, Gujarat.

- **Economic & Statistical Adviser or his nominee** (Ex. Officio Member)
Directorate of Economics & Statistics,
Department of Agriculture and Cooperation,
Ministry of Agriculture,
Government of India, Krishi Bhavan,
New Delhi -110 001.

- **Dr. V. S. Vyas** (Permanent Invitee)
Professor Emeritus, Institute of Development Studies,
8/B, Jhalana Institutional Area, Jaipur 302 004, Rajasthan; and
Member, Economic Advisory Council to the Prime Minister
(Res.: 396, Vasundhara Extension, Gopalpura By-pass,
Tonk Road, Jaipur -302 018).

- **Dr. Y. K. Alagh** (Permanent Invitee)
Professor Emeritus,
Sardar Patel Institute of Economic and Social Research,
Thaltej Road, Near Door Darshan Kendra, Ahmedabad, 380 054; and
Chancellor, Central University of Gujarat,
Sector 30, Gandhinagar 382 030, Gujarat.
(Res.: Surdhara, B/H Goyel Intercity,
Thaltej Road, Ahmedabad – 380058).

- **Principal Secretary or his nominee,** (Ex-Officio Member)
Department of Agriculture and Cooperation,
Government of Gujarat,
Block 5, First Floor, New Sachivalaya,
Gandhinagar – 382010, Gujarat.

- **Principal Secretary or his nominee** (Ex-Officio Member)
Department of Agriculture,
Government of Rajasthan
Sachivalaya, Jaipur 302 005, Rajasthan.

- **Dr. Sudarshan Iyengar** (Member)
 Vice Chancellor,
 Gujarat Vidyapith,
 Near Income Tax Office, Ashram Road,
 Ahmedabad - 380 014, Gujarat.
- **Dr. Amita Shah** (Member)
 Director,
 Gujarat Institute of Development Research
 Gota, Ahmedabad 380 060, Gujarat.
- **Dr. Surjit Singh** (Member)
 Director,
 Institute of Development Studies,
 8 B, Jhalana Institutional Area,
 Jaipur 302 004, Rajasthan.
- **Dr. H.P. Trivedi** (Ex-Officio Member)
 Head,
 Post Graduate Department of Economics
 Sardar Patel University,
 Vallabh Vidyanagar 388 120, Anand, Gujarat.
- **Dr. Mahesh Pathak** (Ex-Officio Member)
 Honorary Advisor,
 Agro-Economic Research Centre
 Sardar Patel University,
 Vallabh Vidyanagar 388 120, Anand, Gujarat.
- **Dr. S.S. Kalamkar** (Ex-Officio Member)
 Director,
 Agro-Economic Research Centre,
 Sardar Patel University,
 Vallabh Vidyanagar 388 120, Anand, Gujarat.
- **Dr. (Mrs.) Rajeshree Dutta** (Ex-Officio Member)
 Deputy Director,
 Agro-Economic Research Centre,
 Sardar Patel University,
 Vallabh Vidyanagar 388 120, Anand, Gujarat.

About the Centre

The Agro-Economic Research Centre (AERC) for the states of Gujarat and Rajasthan was established in July 1961 at the Sardar Patel University, Vallabh Vidyanagar by the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi. It was late Shri H.M. Patel (ICS retd.) who not only provided the vision for establishing such an Institute but also ensured the much needed support and encouragement for its growth at Vallabh Vidyanagar. AERC has been working as an associate institution of S. P. University and enjoying autonomy status in its working. The Centre has completed 50 glorious years (1961-2011) of its journey marked by both achievements and challenges. During these years, the Centre has emerged as a strong policy feedback Centre of the Ministry of Agriculture, Government of India due to hard work and strong commitment of the staff in the Centre. The focus of research effort in the initial stage was on comprehensive village surveys and resurveys in order to understand the process and direction of change at the village level. Subsequently, the emphasis of research has shifted to problem oriented studies. The Centre has by now completed 144 problem-oriented studies, 21 village surveys and 4 village resurveys. Most of these research projects have been taken up by Centre on the recommendation of the Government of India and State Governments of Gujarat and Rajasthan. Some of the projects have also been sponsored by other national and international organizations. During its long journey, Centre has brought remarkable improvement in every aspects of research including methodological base of the studies. The studies have come out with useful findings and policy implications for agricultural and rural development of the states of Gujarat and Rajasthan. Many seminars and conferences were organized by the Centre (jointly with Department of Economics) during these years. Since 1970, the Centre has been also organizing the work of *Comprehensive Scheme to Study Cost of Cultivation of Principal Crops in Gujarat* entrusted to the S P University by the Ministry of Agriculture, Government of India. Ever since its inception, the Centre has been working in close collaboration with the Post-graduate Department of Economics of the S. P. University and so far it has helped/supported about 35 scholars to successfully complete their Ph. D. work in agricultural economics.

The principle objectives of the Centre have been as follows:

1. To make continuous study of the change in rural economy by means of surveys of villages each year, to be repeated after an interval of five years.
2. To conduct adhoc investigation on problems of interest to the Ministry of Agriculture and Irrigation and the State Governments under their jurisdiction.
3. To undertake research on fundamental problems relating to the agricultural economy of the country, and
4. To give technical advice to the Government of India and to the State Governments on such important issues as, with mutual agreement, may be referred to the Centre.

Cost of Cultivation Scheme at the Centre

Studies on cost of production of agricultural commodities have been of interest to research workers and policy-makers. The need for reliable and representative estimates about cost of production of agricultural crops is obvious for formulating an appropriate strategy for planned agricultural development.

In a vast country like India with marked variations in agro-climatic conditions, it becomes essential to collect State-wise, region-wise data on cost of production of various crops on a continuous basis. Recognizing the importance of such studies, the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, evolved a permanent arrangement for collection of cost of cultivation data on a continuous and uniform basis for all important crops in the country. The Directorate of Economics and Statistics decided to establish the *Comprehensive Scheme for Studying the Cost of Cultivation of Principal Crops* in different states of India in 1968-69. The Directorate entrusted one such cost scheme to the Sardar Patel University for collecting cost of cultivation data in Gujarat. The University entrusted this Scheme to the Agro-Economic Research Centre. Since 1970, the Agro Centre and the Comprehensive Scheme are working together in close collaboration for serving the needs of the Directorate of Economics and Statistics of Ministry of Agriculture, Government of India.

The data base generated through the “Comprehensive Scheme for studying cost of cultivation of Principal Crops” is used not only for the primary purpose of providing cost estimates for determination of Minimum Support Prices (MSP) but also for a wide variety of other important purposes like ‘Compilation of National Accounts Statistics’, Wholesale Price Indices (WPI) and research studies relating to cost of cultivation and farm income.

Up to 1982, cost of cultivation data in Gujarat were collected from 480 sample cultivators spread over 40 clusters of villages through cost accounting method. Under the old arrangement (known as single crop approach) the clusters were changed every year retaining only a sub-sample of 10 to 20 clusters. Since 1983, the single crop approach has been replaced by crop complex approach under which the numbers of clusters have been increased from 40 to 60 thereby providing a wider and varied base for generation of reliable estimates. Now ten principal crops of Gujarat, viz., Bajra, Groundnut, Cotton, Arhar, Onion, Paddy, Wheat, Maize, and Rapeseed/Mustard and Sesamum are being studied continuously and simultaneously for three consecutive years in the same clusters of villages. At present, there is a sample of 600 cultivators (10 each from selected clusters) drawn from different size groups of holdings. The five size groups are: below 1.0 hectare, 1.0 to 2.0 hectare, 2.0 to 4.0 hectare, 4.0 to 6.0 hectare, 6.0 hectare and above.

The work of this Scheme is being looked after by 78 persons of whom 60 are permanently posted in the villages spread over entire State of Gujarat. This Scheme is being fully financed by the Government of India.

Academic Staff / Faculty Members

AERC

Name	Post	Qualification	Specialization
Dr. S.S. Kalamkar (email: dearshri@gmail.com, director.aerc@gmail.com)	Director/ Professor	M. Sc. (Agri) Agricultural Economics; Ph. D. in Agricultural Economics	Agricultural Production and Resource Economics, Agricultural Development Policy, Food Security and Sustainable Development, Biotechnology in Agriculture, Contract farming, Organic Farming
Dr. (Mrs) Rajeshree Dutta (email: rajeshreedutta@yahoo.com)	Deputy- Director/ Associate Professor	M.A. (Eco.), MS-Agri. Econ. (Wisconsin), Ph. D (Eco.)	Agricultural Economics
Shri V. D. Shah (email: vasantbhai.shah@yahoo.co.in)	Research Officer/ Assistant Professor	M.Sc.(Stat.)	Agricultural Finance and Costing, Bt Technology, Econometrics, Water Management, Dairy Development
Dr. M. N. Swain (email: mrutyunjay77@gmail.com)	Research Officer/ Assistant Professor	M.A. (Eco.), M. Phil. (Eco.), Ph.D. (Eco.), UGC (NET)	Agricultural and Resource Economics

CCS

Dr. S.R. Bhaiya (email: foccsgui@gmail.com)	Field Officer	M.A. (Eco.), M. Phil. (Eco); Ph.D. (Eco.)	Cost of Cultivation, Agricultural Economics
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Projects Completed and In Progress

A) Projects Completed:

1. Research Study No. 138 : “Evaluation of Comprehensive District Agriculture Plans (C-DAPs) of 3 Districts of Gujarat”

Name of Authors : Dr. Mahesh Pathak and Shri V. D. Shah

Sponsored by : Planning Commission, Govt. of India, New Delhi

Coordinating Centre : Institute of Development studies (IDS), Jaipur, Rajasthan.

Date of Submission : April, 2011 (final report submitted)

About the Study :

The Rashtriya Krishi Vikas Yojana (RKVY) was launched by the Government of India in XI Plan to achieve much needed 4 per cent growth in agriculture sector. An important condition laid down for obtaining 100 per cent central assistance under RKVY was that each state will prepare Comprehensive District Agriculture Plans (C-DAPs) as per guidelines provided by Planning Commission. Accordingly, such plans have been prepared for each district of the Rajasthan State. The AERC Project team carefully reviewed the district plans of Banaskantha, Junagadh and Anand of Gujarat after having extensive discussions with various stakeholders and subject matter specialists. The report provides separate review for each selected district. It also provides an overview of C-DAP work on the basis of lessons learnt from the experience of three districts as well as valuable feedback received from the discussion with state level officials.

The work regarding the preparation of C-DAPs of Gujarat’s districts were carried out by Department of Agriculture, with the help of WAPCOS and Consultants. Our team received excellent support, co-operation and help from the officials of government, NGOs and other agencies during their visit. Also support and help received from the Gujarat government was very encouraging. It was found that they have put up lots of efforts in preparation of these C-DAPs reports. Even though due to local situation, they could not follow completely Planning Commission manual. The report prepared by them were relevant and comprehensive but there was a significant data gap. C-DAPs report contains an analysis of the current status of the agriculture and allied sectors in the districts with reference to its needs and potential. It also contained a plan and action to be implemented over the next five year to realize their potential. It incorporated specific project including the projects sanctioned under RKVY, which reflect the felt needs of the districts.

2. Research Study No. 139 : **“Impact of NREGA on Wage Rates, Cost of Production, Food Security and Rural Urban Migration in Rajasthan”**

Name of Authors : Dr. Mrutyunjay Swain and Mr. Shreekant Sharma

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute for Economic and Social Change (ISEC), Bangalore.

Date of Submission : April, 2011

About the Study

This study on impacts of Mahatma Gandhi National Rural Employment Guarantee Act (MNREGA) on wage rates, food security and rural urban migration was undertaken as a part of broader study covering 18 major states as per the guidelines of the Ministry of Agriculture, Government of India. The study assesses the effectiveness of Mahatma Gandhi National Rural Employment Guarantee Act (MNREGA) in generating employment for disadvantaged groups like SCs, STs and women, creation of durable assets, improving the agricultural and non-agricultural wage rates, enhancing the level of food security and checking the out migration in rural Rajasthan. The report also analyses the influence of various factors in motivating or demotivating the sample HHs to participate in MNREGA works.

Based on secondary level data analysis and the survey covering 200 participants and 50 non-participants from 10 villages of 5 districts, the study finds that there is a declining trend in proportion of participation of SCs and STs in NREGA works during the reference years. However, there has been slight improvement in participation of women in MNREGA works in Rajasthan. The Scheme has somehow achieved its major objective of employment generation, but failed to achieve its long-term objective of creating durable productive assets. Nevertheless, the implementation of MNREGA has positively affected the agricultural and non-agricultural wage rates, reduced the extent of food insecurity and checked to some extent the level of out migration in rural Rajasthan.

3. Research Study No. 140 : **“Possibilities and Constrains in Increasing Pulses Production in Rajasthan and the Impact of National Food Security Mission on Pulses”**

Name of Authors : Dr. (Mrs.) R. A. Dutta & Ms Kalpana M. Kapadia

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute of Economic Growth (IEG), New Delhi

Date of Submission : May, 2011

About the Study

India is the largest producer and consumer of pulses in the world. However, pulses production has been stagnant between 14 and 15 million tonnes in the last three years whereas demand stands around 16 to 18 million tonnes. Per capita pulses consumption over the years has come down from 61 gram/day in 1951 to 42 gram/day in 2008. A shortage of pulses can have devastating effect on our national nutritional standards in the long run. Government has initiated many development programmes for pulses, i.e., National Pulses Development Project (NPDP), Technology Mission on Oilseeds and Pulses (TMOP), Integrated Scheme of Oilseeds, Pulses, Oil Palm and Maize (ISOPOM). Besides, considering the important of pulses in food security, the National Food Security Mission (NFSM) was launched during the XI Five Year Plan targeting important food grain crops rice, wheat and pulses. Looking into the importance of pulses in diet, in increasing soil fertility and stagnation in its production, it becomes necessary to find out constraints and outline the prospects for increasing the pulses production in the country. Keeping this in view, the Ministry of Agriculture, Govt. of India had entrusted to conduct this study to our Centre with objectives to analyse the returns from cultivation of pulses vis-à-vis competing crops, major problems and prospects for pulses cultivation and to assess the impact of NFSM on pulses in Rajasthan.

The NFSM has been implemented in 16 districts of Rajasthan during 2006-07 to 2008-09. Churu was selected as NFSM district and Bhilwara as Non-NFSM district for the field work of this study. It is observed that generally the cultivation of pulses was more profitable among the selected farmers of Churu and Bhilwara. The reasons for low share in area to pulses were lower yield, pest problem, marketing and instability in production. The suggestions made by these farmers for to solve these problems were to improve irrigation facility, assured markets, controlling blue bulls menace, availability of high yielding and pest resistance varieties etc. Farmers reported that due to the assistance under NFSM program, yield, area, awareness have increased.

4. Research Study No. 141 : **“Impact of NREGA on Wage Rates, Cost of Production, Food Security and Rural Urban Migration in Gujarat”**

Name of Authors : Shri V.D. Shah and Mr. Manish Makwana
Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi
Coordinating Centre : Institute of Economic Growth (IEG), New Delhi
Date of Submission : May, 2011
About the Study :

Amidst great hype and hope, Indian parliament passed a revolutionary and unique Act “Mahatma Gandhi National Rural Employment Guarantee Act (MNREGA)” in 2005. It aims at arresting out-migration and enhancing food and livelihood security of rural peoples on a sustained basis. It is a major initiative of Government of India towards poverty reduction and income generation among rural poor families. MNREGA is expected to address the worst kind of poverty in the country, as it provides a legal guarantee for 100 days of employment in every financial year to the poor rural households at statutory minimum wages. It also introduced novel features of unemployment allowance. MNREGA programme has been implemented in all the rural districts of the country since April, 2008. There exist a mix bag of opinions on level of impact and functioning of this Act. The conflicting views on level of corruption, functioning and degree of impact indicate that clear picture on effectiveness of the Act has yet to emerge. Keeping this controversy and debate in view, Ministry of Agriculture, Government of India asked our Centre to undertake this study to probe and quantify the impacts of MNREGA on different parameters and constraints affecting the effectiveness of the programme in Gujarat.

The study was conducted in five districts, namely, Dahod, Navsari, Banaskantha, Surendranagar and Jamnagar of Gujarat State. The field data were collected from 250 sample households for calendar year 2009. The study shows that MNREGA holds the key for the development of rural areas, poverty reduction and income generation among rural poor households. However, low to moderate impact on income level, wage rate of unskilled labour, food security and livelihood of rural people was made by the programme. The people’s awareness on their legal rights was found below expectation. The MNREGA was not able to generate the kind of employment demand as expected. Thus, there is a need to improve the effectiveness of MNREGA. The results suggest that after implementing corrective measures, MNREGA holds out prospects of not only transforming livelihoods of the poorest people, but also heralding a revolution in rural governance of India.

5. Research Study No. 142 : **“Impact Study of the National Horticulture Mission (NHM) Scheme in Rajasthan”**

Name of Authors : Dr. Mrutyunjay Swain, Dr. R.H.Patel and Shri Manishkant Ojha

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute for Economic and Social Change (ISEC), Bangalore.

Date of Submission : September, 2011

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About the Study

The study covering selected districts of Rajasthan state is a part of a major project that covers 16 states of India to study the impact of NHM scheme. For the state of Rajasthan, the study was conducted in four districts, viz., Alwar, Jaipur, Chittorgarh and Banswara.

The major objectives of the study were to assess the impact of NHM in terms of increase in area, production and productivity of identified horticultural crops covered under NHM, keeping 2004-05 as the base year for the state of Rajasthan in general and for the selected crops/districts in particular; to assess the extent to which the scheme has helped in creating employment opportunities and enhancement of income of the farmers in Rajasthan and to suggest measures for improving the implementation strategy of NHM in Rajasthan.

The study covers the implementation of the NHM programme from 2005-06 to 2008-09. A total of 200 households were selected from total 77 villages from four allotted districts of Rajasthan. Though the overall impact of the NHM scheme was good on some grounds like expansion of area under horticultural crops and disbursement of input subsidies, poor performance in the case of our sample farmers was observed in terms of promotion of processing activities, rejuvenation, development of post harvest management and marketing infrastructures, protected cultivation and organic farming. Thus it is suggested to step up these neglected activities under NHM so as to facilitate a healthy and balanced growth of horticulture sector in Rajasthan

6. Research Study No. 143 : **“Evaluation of Comprehensive District Agriculture Plans (C-DAPs) of 3 Districts of Rajasthan”**

Name of Authors : Dr. Dilip Bagchi and Dr. (Mrs.) Rajeshree A. Dutta

Sponsored by : Planning Commission, Govt. of India, New Delhi

Coordinating Centre : Institute of Development Studies (IDS), Jaipur, Rajasthan.

Date of Submission : November, 2011

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About the Study

The Rashtriya Krishi Vikas Yojana (RKVY) was launched by the Government of India in XI Plan to achieve much needed 4 per cent growth in agriculture sector. An important condition laid down for obtaining 100 per cent central assistance under RKVY was that each state will prepare Comprehensive District Agriculture Plans (C-DAPs) as per guidelines provided by Planning Commission. Accordingly, such plans have been prepared for each district of the Rajasthan State. The AERC Project team carefully reviewed the district plans after having extensive discussions with various stakeholders and subject matter specialists. The report provides separate review for each selected district.

AERC had constituted a project team to review the C-DAPs prepared in Rajasthan. The AERC project team had careful discussion at various levels with government/ non government organizations. The work regarding the preparation of C-DAPs of Rajasthan districts was carried out by Department of Agriculture, with the help of NGOs, Consultants, etc. The C-DAPs of Tonk, Jhalawar, Baran, Kota, Bundi, Jaipur, Ajmer and Dausa had been prepared by Aravalli.

It was found that project team had put in lot of effort in preparation of these C-DAPs reports. Even though due to local situation, they could not follow completely Planning Commission manual, the report prepared by them is relevant and comprehensive. C-DAPs report contains analysis of the current status of the agriculture and allied sectors in the districts with reference to their needs and potential. It also contained action plan to be implemented over the next five years to realize their potential.

7. Research Study No. 144 : **“Economics of Fodder Cultivation and Its Processing and Marketing in Gujarat”**

Name of Authors : Shri V. D. Shah, Mr. Manish Makwana and Mr. Shreekant Sharma

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Agro-Economic Research centre, Ludhiana

Date of Submission : November, 2011

About the Study :

Livestock sector provides livelihood support to millions of rural people having little access to land. Development and growth of livestock are conditioned by the availability of fodder from arable land and forest. The nutritive value of feed and fodder has a significant bearing on productivity of livestock. A large gap exists between requirement and availability of feed and fodder in the country as well as Gujarat. The deficiency in feed and fodder is more conspicuous in arid and semi-arid regions. As per Planning Commission, Govt. of India, India is short in dry fodder by about 23.46 percent, green fodder by about 62.76 percent and concentrates by 30.00 percent. This deficit of fodder is the result of numerous inter dependent as well as exogenous factors. Owing to severe shortages of feed and fodder, livestock population suffers from problem of underfeeding. Ensuring an adequate supply of reasonable quality feed and fodder to livestock is one of the major challenges faced by country where dairying is largely the avocation of poor, especially women.

The costs and returns analysis for various fodder crops of the state will be helpful to know relative profitability of these crops in the region. The farmers will get remunerative prices for their surplus produce only when the efficient and effective processing and marketing of fodder and feed is in place. With this in view, Ministry of Agriculture, Government of India asked our centre to undertake this study for Gujarat State. This study is based on both, primary and secondary data collected from 150 sample households and 4 processors spread over three districts of Gujarat State namely, Banaskantha, Sabarkantha and Panchmahals. The data were collected by recall method for year 2008-09. The study illustrated that because of comparatively very low net returns, farmers have least preference for growing fodder crops. Fodder markets in Gujarat being unorganized and unregulated, fodder production is a low priority enterprise in potential fodder production areas. Further, fodder being low value high volume produce, is costly to transport and hence normally consumed locally. There exists a severe deficit of fodder and particularly of green fodder. The quality and quantity of feed and fodder fed to animal was found to be much lower than it recommended by department of Animal Husbandry.

B) Projects in Progress:

1. *Title of the Project* : **“Pre and Post Harvest Losses in Gujarat and Rajasthan”**
- Name of Authors : Dr. (Mrs.) Rajeshree A. Dutta and Shri Manish Makwana
- Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi
- Coordinating Centre : Institute for Economic and Social Change, Bangalore.
- Date of Commencement : January, 2012

Objectives of the Study :

- To study the bio-economic constraints faced by farmers in the production of rice, tur and soybean
- To estimate the physical and financial loss caused by pests and diseases in rice, tur and soybean at farm level
- To examine the measures of pest and disease management to reduce the crop loss due to pests and diseases at farm level.

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2. *Title of the Project* : **“Assessment of Marketed and Marketable Surplus of Major Food grains in Rajasthan”**
- Principal Investigator : Shri V.D. Shah
- Associated Staff : Shri Manish Makwana
- Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi
- Coordinating Centre : Centre for Management in Agriculture, Indian Institute of Management, Ahmedabad
- Date of Commencement : January, 2012

Objectives of the Study :

- To estimate marketable and marketed surplus of selected cereals, coarse cereals and pulses in Rajasthan
- To estimate farm retention for consumption, seed, feed, wages and other payments in kind, etc., and
- To relook the theory of the concept and estimation of marketed and marketable surplus taking into account various theoretical advances in demand theory and the relevant micro-economics as well as estimation theory.

3. *Title of the Project* : **“Problems and Prospects of Oilseeds in Gujarat and Rajasthan”**
- Principal Investigator : Dr. Mrutyunjay Swain
- Associated Staff : Mr. Manish Ojha and Miss Kalpana Kapadia
- Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi
- Coordinating Centre : Institute for Economic and Social Change (ISEC), Bangalore.
- Date of Commencement : January, 2012

Objectives of the Study :

- To examine trends and pattern of growth of different edible oilseeds over time and across states/districts and identify the sources of growth in edible oilseeds output in India/state;
- To determine the impact of price and non-price factors influencing the supply response behavior and demand for edible oilseeds and oil in the country/state; and
- To identify major constraints in the edible oilseed and oil palm cultivation and suggest policy options to increase oilseeds production and productivity in the country.

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4. *Title of the Project* : **“Agriculture Profile for Gujarat and Rajasthan”**
- Principal Investigator : Dr. Mrutyunjay Swain
- Associated Staff : Mr. Manish Ojha and Miss Kalpana Kapadia
- Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi
- Coordinating Centre : Ministry of Agriculture, Govt. of India, New Delhi.
- Date of Commencement : January, 2012

Objective of the Study :

- To prepare Agricultural Profile of Rajasthan and Gujarat

5. *Title of the Project* : **“Indicators of Agricultural Performance in Gujarat and Rajasthan”**

Principal Investigator : Dr. Mrutyunjay Swain

Associated Staff : Mr. Manish Ojha and Miss Kalpana Kapadia

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute for Economic and Social Change (ISEC), Bangalore.

Date of Commencement : January, 2012

Objective of the Study :

- Preparation of database on 15 Major Indicators of Agricultural Performance in Gujarat and Rajasthan on quarterly basis.
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6. *Title of the Project* : **“Evaluation of Market Intervention and Price Support Scheme in Rajasthan”**

Principal Investigator : Dr. S.S. Kalamkar

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute of Economic Growth (IEG), New Delhi

Date of Commencement : August 6, 2012

Objectives of the Study :

- To understand coverage of MIS and PSS across crops and regions of India
 - To ascertain factors that influence coverage of crops across regions
 - To understand levels and basis of participation of farmers in MIS and PSS
 - To understand problems of different stakeholders in operation of MIS and PSS
 - To study the effect of MIS and PSS on the market price of commodity in the targeted region
 - To assess efficiency of Central Agencies in operation of MIS and PSS
 - To suggest policy measures to improve operations of MIS and PSS.
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7. *Title of the Project* : **“Review of Evidence on Farmers Income from Secondary Sources”**

Principal Investigator : Dr. S.S. Kalamkar

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute for Economic and Social Change (ISEC), Bangalore.

Date of Commencement : August 16, 2012

Objectives of the Study :

- To review the evidences on farmers’ income from secondary sources.

8. *Title of the Project* : **“Pilot Project to ascertain the Use of Diesel for Irrigation”**

Principal Investigator : Dr. S.S. Kalamkar

Sponsored by : Ministry of Agriculture, Govt. of India, New Delhi

Coordinating Centre : Institute of Economic Growth (IEG), New Delhi.

Date of Commencement : August 30, 2012

Objectives of the Study :

- To study the use of diesel in Irrigation

A) Research Articles Published:

- Drought Vulnerability, Coping Capacity and Residual Risk: Evidence from Bolangir District in Odisha, India, *Asian Journal of Environment and Disaster Management (ISSN: 1793-9240)* Vol.3, No.4, October-December 2011, pp-453-474, by Mrutyunjay Swain.
- “Coping with Drought: A Case Study of Forest Dwellers in Bolangir”, *Ravenshaw Journal of Economics*, Vol.1, No.1, January-June 2012 (*Forthcoming*), by Mrutyunjay Swain.
- Economic Impact of NREGA in Rural Rajasthan’, *Artha- Vikas (ISSN: 0004-3567)*, Vol. 48, No.1, January-June 2012, by Mrutyunjay Swain.
- Climate Change, Drought Risk and Forest Resources Dependent in Western Orissa, *Vision (ISSN: 2249-9857)*, Vol.31, No.4, October-December 2011, pp-39-58, by Mrutyunjay Swain.
- Impact of Banking Sector Reforms on Institutional Credit Flow to the Priority Sectors in India’, *Artha- Vikas (ISSN: 0004-3567)*, Vol.47, No.2, July-December 2011, pp.36-54, by Mrutyunjay Swain.
- ‘Vulnerability to Agricultural Drought in Western Orissa: A Case Study of Representative Blocks’, *Agricultural Economics Research Review (ISSN: 0971-3441)*, Vol.24, No.1, Jan-June 2011, pp-47-56, by Mrutyunjay Swain.
- “Economics of Production, Marketing and Feeding Composition of Fodder Crops in Gujarat State”, *Vishleshan (ISSN 0973-6891)*, Vol.37, No. 1 & 2, January-June, 2012, pp. 33-44, by Manish Makwana and Himanshu Parmar.
- “Impact of NREGA on Wage Rates, Food Security and Rural-Urban Migration in Gujarat state”, *Artha-Vikas (ISSN 0004-3567)*, Vol. XXXXVIII, No.2, July-December, 2012, pp. 19-36, by V.D Shah and Manish Makwana.
- “Agricultural Problems: Special Reference to India and Gujarat”, (in Gujarati), *Yojana*, Vol. XXXII, No. XII, March 2011, pp. 39-43, by Shantilal Bhaiya.
- “Economics of Area, Production, and Yield of Rice in Gujarat: District wise Analysis” *Arth Vikas (ISSN 0004-3567)*, Vol. XXXXIII, No. 1, June-June 2012, by Shantilal R. Bhaiya and Dilip Chuahan.
- “Impact of Minimum Support Price (MSP) on Farm Harvest Price (FHP): A Study for Paddy Price” *Vishleshan (ISSN 0973-6891)*, Vol. 36, No. 3, July-Sep. 2011, pp. 1-5, by Shantilal R. Bhaiya and D. J. Chauhan.

B) Studies/Articles Submitted for Publication in National Journals:

- “Rainfall Pattern, Drought and Agricultural Instability in Bolangir”, *Indian Journal of Agricultural Economics*, by Mrutyunjay Swain.
- “Performance of National Horticulture Mission in Rajasthan: An Executive Summary”, *Artha- Vikas*, by Mrutyunjay Swain.
- “Agricultural Constraints in Indian Economy: A Critical Aspect” *Vishleshan*, by Shantilal R. Bhaiya and D. J. Chauhan.
- “Variability in Productivity of Rice in Gujarat: District wise Analysis” *Arth Vikas*, by Shantilal R. Bhaiya and Dilip Chuahan.

C) Books /Edited Books Published:

- *Drought Vulnerability and Livelihoods: Impacts and Adaptation Strategies in Western Orissa, India*, 2010, VDM Verlag, Germany, ISBN-10:3-639-29002-X (363929002X), ISBN-13: 978-3-639-29002-8 (9783639290028), by Mrutyunjay Swain

D) Article in Edited Books/ Seminar Proceedings:

- “Agricultural Instability in Bolangir District, India: Challenges and Policy Options”, Chapter in Proceedings of 3rd International Conference on Applied Econometrics jointly organized by IBS Hyderabad and The Indian Econometrics Society held at IBS Hyderabad on December 16-17, 2011 (*Forthcoming*), by Mrutyunjay Swain.

E) Book Reviews/Articles/Abstracts in Magazines and News papers: Nil

F) Memorial Lecture Delivered /Invited Article: Nil

G) Publication of the Centre

- “Impact of NREGA on Wage rate, Food Security, and Rural Urban Migration in Gujarat State”, *Agricultural Situation in India*, Vol. LXVIII, No. 4, July 2011, pp. 203-214.

Staff Participation in Conferences, Seminars, Workshops, Teaching, Work on Committees, Guidance to the Students, Other Academic Activities, etc.

Dr. (Mrs.) Rajeshree A. Dutta

- Worked as an In-charge of the AERC from November 2011 to July 4, 2012.
- Attended the Officers' In-charge meeting, held at AERU, Institute of Economic Growth, Delhi in January 2012.

Shri V. D. Shah

- Worked as In-charge of Cost of Cultivation Scheme (November 2011 to July 2012).
- Participated and delivered a keynote on "Practice of Collection of Cost Data and Problems" in the 'Western Regional Workshop of Cost of Cultivation Scheme', sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krishi Nagar, Jabalpur, Madhya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.
- Participated in the UGC Sponsored seminar on "Small Scale Industries in Gujarat", organized by P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 12th and 13th of March 2012.
- Delivered a talk to the students of B.A. College of Agriculture, Anand Agricultural University, Anand during their visit (RAWE Programme) to AERC in August 2011.

Mrutyunjay Swain

- Participated and presented a paper on "Rainfall Pattern, Drought and Agricultural Instability in Bolangir: Challenges and Policy Options (Part-II)", in the 3rd International Conference on Applied Econometrics jointly organized by IBS Hyderabad and The Indian Econometrics Society held at IBS Hyderabad on December 16-17, 2011.
- Participated and presented a paper on "Drought Vulnerability, Coping Capacity and Residual Risk: Evidence from Bolangir District in Orissa, India", in the 2nd National Research Conference on Climate Change jointly organized by Centre for Science and Environment, New Delhi, IIT New Delhi and IIT Chennai, held at IIT New Delhi on November 5 - 6, 2011.
- Presented a paper on 'Drought Vulnerability of Forest Dwellers in Bolangir' in Shakti Padhi Memorial National Seminar organized by Nabakrushna Choudhury Centre for Development Studies (NCDS), Bhubaneswar on April, 29-30, 2011.

Manish Kant Ojha

- Participated in the UGC Sponsored seminar on “Small Scale Industries in Gujarat”, organized by P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 12th and 13th of March 2012 and presented a paper on “Small Scale Industries in Gujarat”.

M. C. Makwana

- Participated in the UGC Sponsored seminar on “Small Scale Industries in Gujarat”, organized by P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 12th and 13th of March 2012 and presented a paper on “Small Scale Industries in Gujarat”.

Deep K. Patel

- Participated and presented a paper on “Intellectual Property Rights: Some Aspects”, at the State level seminar organized by Alumni Association, Department of Library and Information Science, S.P. University, Vallabh Vidyanagar on November 20, 2011.

S. R. Bhaiya

- Participated in the 42nd Annual Gujarat Economic Conference, organized by Rofeld Arts College, Vapi, Valsad during 4th and 5th of February 2012 and presented a paper on “Economics of Urban Population in Gujarat”.
- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madhya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.
- Participated in the UGC Sponsored seminar on “Small Scale Industries in Gujarat”, organized by P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 12th and 13th of March 2012 and presented a paper on “Development of Small Scale Industries in Gujarat: District wise Analysis”.
- Conducted Training Programme on September 22 and 23, 2012 for the CCS Staff members towards implementation of new RTs.

Gopal S. Machhi

- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madhya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.

- Participated in the UGC Sponsored seminar on “Small Scale Industries in Gujarat”, organized by P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, during 12th and 13th of March 2012.

R. I. Patel

- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.

Brijesh P. Pandya

- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.
- Attended two-days UGC sponsored State Level Seminar on “Small Scale Industries (SSIs) Gujarat”, held at Department of Economics, Sardar Patel University, V.V.Nagar during March, 2012.

Hemal U. Padhiyar

- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.
- Attended two-days UGC sponsored State Level Seminar on “Small Scale Industries (SSIs) Gujarat”, held at Department of Economics, Sardar Patel University, V.V.Nagar during 12th and 13th March, 2012.

Hitesh P. Makwana

- Participated in the ‘Western Regional Workshop of Cost of Cultivation Scheme’, sponsored by Ministry of Agri. Govt. of India, New Delhi and organized by J. N. Krishi Viswavidyalaya, Krisihi Nagar, Jabalpur, Madya Pradesh for revised Record Types (RTs) during 9th to 10th February, 2012.
- Attended two-days UGC sponsored State Level Seminar on “Small Scale Industries (SSIs) Gujarat”, held at Department of Economics, Sardar Patel University, VV Nagar during 12th and 13th March, 2012.

Staff Representation in Professional Bodies, Fellowship and Recognition

Mrutyunjay Swain

- Member of Academic Council, Institute of Management and Development Action, Indore
- Member of the Editorial Board, Sustainable Agriculture Research, an international journal published by Canadian Center of Science and Education, Toronto.
- Life Member, Indian Society Agricultural Economics
- Life Member, Indian Economic Association
- Life Member, Odisha Economic Association
- Member, South Asian Network for Development and Environment Economics
- Member, Indian Climate Research Network
- Member, Agricultural Economics Research Association
- Member, International Society of Ecological Economics
- Member, Indian Association for Research in Income and Wealth

S. R. Bhaiya

- Gujarat Economic Association (Annual Member)
- Alumni Association, Department of Library and Information Science, S.P. University, Vallabh Vidyanagar.

Deep K. Patel

- Gujarat Granthalaya Seva Sangh, Ahmedabad (Life Member).

Details of Field Visits for Project Work/CCS

Rajeshree A. Dutta

- Visited Bikaner for evaluation of Comprehensive District Agricultural Plans of the three districts of Rajasthan
- Conducted a visit to Tarapur cluster on March 23, 2012 with Dr. Y. K. Alagh, Chairman, IRMA, Dr. Munish Alagh, CMA, IIM, Ahmedabad; Dr. Mahesh Pathak; Shri V.D. Shah and Dr. S.R. Bhaiya.

V.D. Shah

- Conducted a visit to Tarapur cluster on March 23, 2012 with Dr. Y. K. Alagh, Chairman, IRMA, Dr. Munish Alagh, CMA, IIM, Ahmedabad; Dr. Mahesh Pathak; Dr. Rajeshree Dutta and Dr. S.R. Bhaiya.
- Visited office of the D.D.O. and Director, DRDA of Surendranagar district for selection of sample blocks and villages for MGNREGA study.
- Visited office of the Commissionerate of Rural Development, Government of Gujarat, Gandhinagar for discussion, selection of districts and collection of secondary data.

Manish Kant Ojha

- Field survey conducted in selected total 77 villages from four districts of Rajasthan viz. Jaipur, Alwar, Chittoregadh and Banswara (Impact of National Horticulture Mission Scheme in Rajasthan)
- Field survey conducted in selected villages of Churu, Bhilwara, Lachharasar and Dabla Kachra districts of Rajasthan (Possibilities and Constraints in Increasing Pulses production in Rajasthan and the impact of National Food Security Mission on Pulses).

Manish Makwana

- Field survey conducted in selected villages of selected block of sample Shri Ganganagar, Jaisalmer and Karauli districts of Rajasthan state (Impact of NREGA on Wage rates, Food Security and Rural–Urban Migration in Rajasthan state).
- Field survey conducted in selected villages of selected block of sample Dahod, Navsari, Surendranagar, Banaskantha and Jamnagar districts of Gujarat state (Impact of NREGA on Wage rates, Food Security and Rural –Urban Migration in Gujarat state).

- Field survey conducted in selected villages of selected block of sample Panchmahals, Banaskantha and Sabarkantha districts of Gujarat state (Economics of Production, Processing and Marketing of Fodder Crops in Gujarat state).
 - Visited office of the D.D.O. and Director, DRDA of Surendranagar district for selection of sample blocks and villages for MGNREGA study.
 - Visited office of the Commissionerate of Rural Development , Government of Gujarat, Gandhinagar for discussion, selection of districts and collection of secondary data.
-

S. R. Bhaiya

- Cluster visit was conducted on March 23, 2012 with Dr. Y. K. Alagh, Chairman, IRMA, Dr. Munish Alagh, CMA, IIM, Ahmedabad; Dr. Mahesh Pathak; Dr. Rajeshree Dutta and Shri V.D. Shah.
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Research Support Services

Recognizing the importance of library and computer support for academic activities of the faculty and staff, we upgraded both these support systems.

A) Library:

The Centre has a separate library of its own. Many journals, magazines and research reports of different Agro-Economic Research Center's as well as known institutes like IIM (Ahmedabad), IRMA (Anand), Gokhale Institute of Politics & Economics (Pune), State Government Publication, etc. are regularly arriving in our library which facilitates the PG students of Department of Economics and other researchers to carry out their research smoothly and effectively particularly in the field of Agri. & rural development.

Books and Other Publications	:	6688
Gift Books and Reports	:	363
Journals/ Magazines/Periodicals Subscribed and Gift	:	12
AERC Books	:	10
AERC Research Studies	:	144
Village Surveys	:	21
Village Re-surveys	:	04
News Papers	:	07

Journals Subscribed/Gift:

During the academic year 2011-12, the library subscribed to 10 periodicals which include 5 Indian journals and 5 magazines/weekly.

Subscribed:

1. Indian Journal of Agricultural Economics (IJAE)
2. Indian Journal of Labour Economics (IJLE)
3. Indian Journal of Fertiliser(IJF)
4. Indian Journal of Agricultural Marketing (IJAM)
5. Agricultural Economics Research Review (AERR)
6. Economic and Political Weekly (EPW)
7. Artha Vikas
8. Down to Earth
9. Bhumi Putra
10. Yojana

Gift:

1. Agricultural Situation in India
2. Krushi Govidya

Books Purchased:

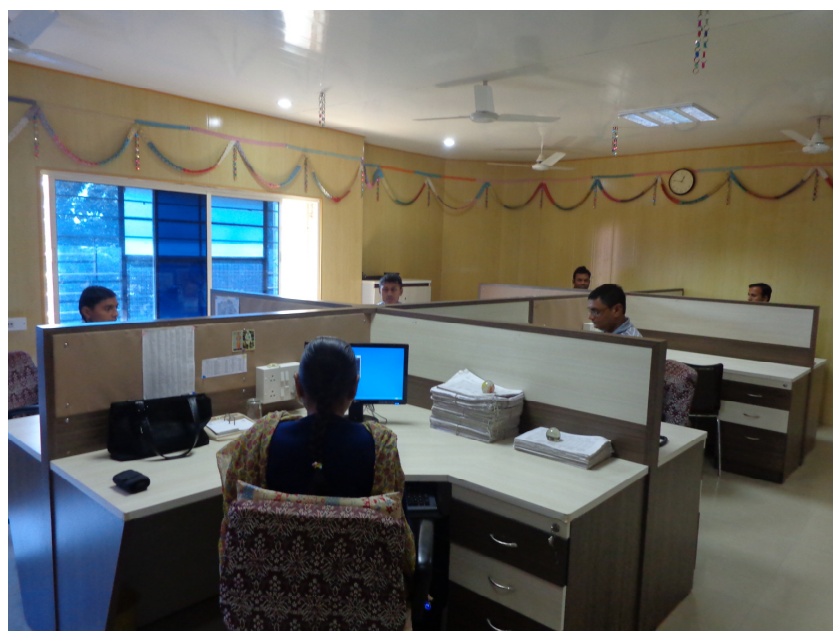
The Library added only two books to its collection in 2011-12.

Library



B) Computer Centre:

The Computer Centre housed in the Cost of Cultivation Scheme, AERC is well-equipped with hardware and software to support the research and training programmes of the Centre. In the computer laboratory, staff have access to the internet both for reference work and communication.



Academic Events and Visitors at the Centre

- Prof. Y.K. Alagh, Chairman, IRMA and Dr. Munish Alagh, CMA, IIM, Ahmedabad visited AERC on March 23, 2012. A cluster visit was conducted with AERC and CCS officers.
- The students of B.A. College of Agriculture, Anand Agricultural University, Anand visited AERC in August 2011 as a part of their 'Rural Work Experience Programme'. Shri V.D. Shah and Dr M. Swain coordinated their visit to the Centre.
- National Accreditation Assessment Committee (NAAC) visited our Centre and discussed with staff on August 4, 2011 during their visit to the Sardar Patel University, Vallabh Vidyanagar.

Meetings of the Governing Body

The Governing Body of the Centre met once in the year on November 5, 2011.

Appointments, Retirement, Resignation, etc

Name	Post	Date
<i>Resigned</i>		
Dr. R.H. Patel	Director	09.11.2011
Shri S.O. Sharma	Research Associate	21.11.2011
Shri H. U. Padhiyar	Research Fellow (Adhoc)	18.07.2011
<i>Retired</i>		
Shri B.M. Patel	Office Assistant	14.06.2011

CCS

Name	Post	Date
<i>Joined</i>		
Shri H. P. Makwana	Field Supervisor	19.07.2011
Shri Amit M. Patel	Field Man	13.06.2011
Shri H. U. Padhiyar	Field Supervisor	19.07.2011
Shri Jigar J. Patel	Field man	02.05.2011
Shri Ravi S. Patel	Field man	02.05.2011
Shri Vijay C. Harijan	Peon (adhoc)	13.09.2011
Shri Bhavesh M. Solanki	Jr. Clerk/Typist (Adhoc)	26.12.2011
<i>Resigned</i>		
Shri H. P. Makwana	Filed man	18.09.2011
Mr. Sayed Mahmed M.	Filed man	08.04.2011
Shri D.B. Diwan	Filed man	30.04.2011
<i>Retired</i>		
Shri B. M. Varia	Field Supervisor	14.06.2011
Shri M.R. Patel	Field Supervisor	14.06.2011
Shri C.P. Patel	Field Supervisor	14.06.2011

Infrastructure

The Centre is located at the H.M. Patel Institute of Rural Development, Opp. Nanadalaya Temple, Post Box No. 24, Sardar Patel University, Vallabh Vidyanagar 388120. In the same building, Department of Economics is housed on ground and first floor while AERC and CCS are working on third floor of the same building.

AERC:

During the year 2011-2012, the following equipments/hardware/software/ office materials were purchased from the grant-in-aid received: 2 UPS; Tally Software; 1 External hard disc; 2 Keyboards, 10 Office Tables; 1 Computer Table; Renovation work of director's office; deputy director's office; Aluminum Windows; flooring; fixed partition; Split AC1; Fix partition in Library and 6 Library cupboards; etc.

CCS:

During the year 2011-2012, the following equipments/hardware/software/ office materials were purchased from the grant-in-aid received: Renovation of computer room; Computer tables; 1 Conference system (amplifier, speakers, projector, LCD, ceiling kit); Renovation of Field Officer room; renovation of library; Area cum Seminar hall; 1 Executive revolving chair; 20 high back revolving chair; 4 LG Ac; 5 Stand; 2 conference table; 1 TVS Gold key board; 6 pen drives; 6 UPS; 6 Computer; 2 LaserJet HP Printer; Computer software, etc.

Seminar Hall



Staff Members as on August 31, 2012

AERC Staff: Staffing Pattern as on August 31, 2012

Sr. No.	Name	Qualification	Designation
1	Dr. S. S. Kalamkar	M. Sc. Ag. (Agril. Econ.), Ph.D. (Agril. Econ.)	Director/Professor
2	Dr. (Mrs.) R. A. Dutta	M.A. (Econ.), MS-Agri. Econ. (Wisconsin), Ph. D. (Econ.)	Deputy Director/ Associate Professor
3	Shri V. D. Shah	M. Sc.(Stat.)	Research Officer/ Assistant Professor
4	Dr. M. N. Swain	M.A.(Eco.), M. Phil. (Eco.), Ph.D. (Eco.), UGC (NET)	Research Officer/ Assistant Professor
5	Shri M .R. Ojha	M.A.(Eco.), UGC (NET)	Research Associate
6	Shri M. C. Makwana	M.A. (Eco.), B. Ed, P.G.D.C.A.	Research Associate
7	Ms. K. M. Kapadia,	M.A. (Eco.), M. Phil. (Eco.)	Research Associate
8	Shri T. B. Parihar	B. Sc. (Agri.) M. Sc. (Agri)	Research Associate
9	Shri D. K. Patel	B.A., M.A. (Soc.), B. Lib., M. Lib., M. Phil (Library & Information Science)	Res. and Ref. Assistant (Lib.)
10	Shri D. N. Thakkar	M.Com, LL.B (Spl.) PGDBM, PGDCA	Office Superintendent
11	Shri V. D. Parmar	B.Com, LL .B (Spl.) D.C.A, D.T.P., Eng. Steno (100 WPM).	P.A. to Director
12	Shri P. J. Patel	M.Com, P.G.D.B.A., P.G.D.M.M.	Account Assistant
13	Shri N . J. Amin,	S.Y.B.Com., Typing/Dip .in Co-opn.	Jr. Clerk / Typist
14	Shri H. P. Parmar*	B. Com., M.A. (Eco.), M.Com. (Bus. Eco. with Econometrics)	Research Fellow*
15	Shri N. G. Chauhan*	B.A. (Eco.). M.A. (Eco.)	Research Fellow*

Notes: * Temporary positions.

Cost of Cultivation Scheme: Staffing Pattern as on August 31, 2012

Office Staff:

Sr. No.	Name	Qualification	Designation
*	Dr. S.S. Kalamkar	M. Sc. Ag. (Agril. Econ.), Ph.D. (Agril. Econ.)	Hon. Director
1	Dr. S. R. Bhaiya	M.A. (Eco.), M. Phil. (Eco); Ph.D. (Eco.)	Field Officer
2	Shri G. S. Machhi	M.A. (Eco.), M. Phil. (Eco)	Assistant Statistician
3	Shri R. I. Patel	M.A. (Eco.)	Agriculture Supervisor
4	Shri B. P. Pandya	M.Sc. (Agri.)	Field Supervisor
5	Shri H. U. Padhiyar	M.A. (Eco.), M. Phil. (Eco)	Field Supervisor
6	Shri H. P. Makwana	M.A. (Eco.), M. Phil. (Eco)	Field Supervisor
7	Shri B. A. Pathak	B.Com	Jr. Ck/Typist
8	Shri A. M. Patel	B.Com	Jr. Ck/Typist
9	Shri B. M. Solanki	HSC(Commerce) MS- Office, BCA, Tally ERP 9,	Ad-hoc Clerk
10	Shri J. N. Singh	M.Com, PGDCA,*	Ad hoc Computer
11	Shri F. G. Vahora	BCA, PGDCA,BA(Eco)	Ad hoc Computer
12	Shri R. C. Mistry	BSC(Che.), DCA, MCSD	Ad hoc Computer
13	Miss B. S. Padhiyar	BA, PGDCA	Ad hoc Computer
14	Shri M. S. Patel	BSC(Comp), PGDCA, MCA	Ad hoc Computer
15	Shri Mihir Rana	BCA, PGDCA, PGDMM, MCA	Ad hoc Computer

Field Staff:

Sr. No.	Name	Designation
16	Shri B. I. Prajapati	Agriculture Assistant
17	Shri B. B. Chavda	Agriculture Assistant
18	Shri P. T. Dave	Agriculture Assistant
19	Shri J. S. Raj	Agriculture Assistant
20	Shri C G Baria	Agriculture Assistant
21	Shri P C Patel	Agriculture Assistant
22	Shri. M. O. Trivedi	Agriculture Assistant
23	Shri. P. M. Patel	Agriculture Assistant
24	Shri. G A Patel	Agriculture Assistant
25	Shri D. G. Patel	Agriculture Assistant
26	Shri G. B. Patel	Agriculture Assistant
27	Shri A. J. Sheratia	Agriculture Assistant
28	Shri Bhaskar K. Patel	Agriculture Assistant
29	Shri H. M. Pandya	Agriculture Assistant
30	Shri Bharat K. Patel	Agriculture Assistant
31	Shri J. V. Patel	Agriculture Assistant

32	Shri L. S. Vidja	Agriculture Assistant
33	Shri Jasmat D Chauhan	Agriculture Assistant
34	Shri A. D. Vaghela	Agriculture Assistant
35	Shri A. I. Vora	Agriculture Assistant
36	Shri Juvan D. Chauhan	Agriculture Assistant
37	Shri Y. D. Bhrambhatt	Agriculture Assistant
38	Shri Nayan V. Patel	Agriculture Assistant
39	Shri M. N. Singala	Agriculture Assistant
40	Shri K. J. Bhoraniya	Agriculture Assistant
41	Shri S. I. Patel	Agriculture Assistant
42	Shri S. R. Chaudhary	Agriculture Assistant
43	Shri J. K. Patel	Agriculture Assistant
44	Shri S. B. Parmar	Agriculture Assistant
45	Shri S C Padhiyar	Agriculture Assistant
46	Shri J. N. Patel	Agriculture Assistant
47	Shri S. A. Panchal	Agriculture Assistant
48	Shri A. K. Mistry	Agriculture Assistant
49	Shri D. D. Vanvi	Field Man
50	Shri M. S. Parmar	Field Man
51	Shri P. S. Patel	Field Man
52	Shri S. C. Bhoi	Field Man
53	Shri P. M. Makwana	Field Man
54	Shri H. B. Patel	Field Man
55	Shri K. M. Baldha	Field Man
56	Shri D. S. Vaghela	Field Man
57	Shri A. P. Rabaria	Field Man
58	Shri P. J. Chauhan	Field Man
59	Shri S. C. Machhi	Field Man
60	Shri V. H. Chaudhary	Field Man
61	Shri R. B. Patel	Field Man
62	Shri A. B. Prajapati	Field Man
63	Shri Bhumik M Patel	Field Man
64	Shri Jayesh G Parmar	Field Man
65	Shri H. D. Bhoi	Field Man
66	Shri B. B. Mobh	Field Man
67	Shri P. P. Desai	Field Man
68	Shri T. P. Parekh	Field Man
69	Shri A. R. Solanki	Field Man
70	Shri N. P. Patel	Field Man
71	Shri B. R. Patel	Field Man
72	Shri J. J. Patel	Field Man
73	Shri R. S. Patel	Field Man
74	Shri A. M. Patel	Field Man

Audited Statement

The grant-in-aid received from the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India and other agencies and Expenditure Incurred during 2011-12 is presented below. The audited utilization certificate is submitted to the granter in the first week of April, 2012.

AERC	Amount in Rs.
i) Unspent Balance as on April 1, 2012	68926.30
ii) Grant-in-aid received during 2011-12	10000000.00
iii) Other Income	190448.00
Total	10259374.30
Total Expenditure during 2011-12	9171548.12
Unspent Balance as on March 31, 2012	1087826.18

CCS	Amount in Rs.
i) Unspent Balance as on April 1, 2012	1257069.37
ii) Grant-in-aid received during 2011-12	30800000.00
iii) Other Income	147407.00
Total	32204476.37
Total Expenditure during 2011-12	29835278.00
Unspent Balance as on March 31, 2012	2369198.37

Agro-Economic Research Centre

For the states of Gujarat and Rajasthan

(Sponsored by Ministry of Agriculture, Govt. of India)

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