

International Multidisciplinary
Research Journal

*Indian Streams
Research Journal*

Executive Editor
Ashok Yakkaldevi

Editor-in-Chief
H.N.Jagtap

Indian Streams Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language. All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial board. Readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

Regional Editor

Manichander Thammishetty

Ph.d Research Scholar, Faculty of Education IASE, Osmania University, Hyderabad.

Mr. Dikonda Govardhan Krushanahari

Professor and Researcher ,

Rayat shikshan sanstha's, Rajarshi Chhatrapati Shahu College, Kolhapur.

International Advisory Board

Kamani Perera

Regional Center For Strategic Studies, Sri Lanka

Mohammad Hailat

Dept. of Mathematical Sciences, University of South Carolina Aiken

Hasan Baktir

English Language and Literature Department, Kayseri

Janaki Sinnasamy

Librarian, University of Malaya

Abdullah Sabbagh

Engineering Studies, Sydney

Ghayoor Abbas Chotana

Dept of Chemistry, Lahore University of Management Sciences[PK]

Romona Mihaila

Spiru Haret University, Romania

Ecaterina Patrascu

Spiru Haret University, Bucharest

Anna Maria Constantinovici

AL. I. Cuza University, Romania

Delia Serbescu

Spiru Haret University, Bucharest, Romania

Loredana Bosca

Spiru Haret University, Romania

Ilie Pinteau,

Spiru Haret University, Romania

Anurag Misra

DBS College, Kanpur

Fabricio Moraes de Almeida

Federal University of Rondonia, Brazil

Xiaohua Yang

PhD, USA

Titus PopPhD, Partium Christian University, Oradea, Romania

George - Calin SERITAN

Faculty of Philosophy and Socio-Political Sciences Al. I. Cuza University, Iasi

.....More

Editorial Board

Pratap Vyamktrao Naikwade

ASP College Devrukh, Ratnagiri, MS India

Iresh Swami

Ex - VC. Solapur University, Solapur

Rajendra Shendge

Director, B.C.U.D. Solapur University, Solapur

R. R. Patil

Head Geology Department Solapur University, Solapur

N.S. Dhaygude

Ex. Prin. Dayanand College, Solapur

R. R. Yalikal

Director Management Institute, Solapur

Rama Bhosale

Prin. and Jt. Director Higher Education, Panvel

Narendra Kadu

Jt. Director Higher Education, Pune

Umesh Rajderkar

Head Humanities & Social Science YCMOU, Nashik

Salve R. N.

Department of Sociology, Shivaji University, Kolhapur

K. M. Bhandarkar

Praful Patel College of Education, Gondia

S. R. Pandya

Head Education Dept. Mumbai University, Mumbai

Govind P. Shinde

Bharati Vidyapeeth School of Distance Education Center, Navi Mumbai

G. P. Patankar

S. D. M. Degree College, Honavar, Karnataka

Alka Darshan Shrivastava

Shaskiya Snatkottar Mahavidyalaya, Dhar

Chakane Sanjay Dnyaneshwar

Arts, Science & Commerce College, Indapur, Pune

Maj. S. Bakhtiar Choudhary

Director, Hyderabad AP India.

Rahul Shriram Sudke

Devi Ahilya Vishwavidyalaya, Indore

Awadhesh Kumar Shirotriya

Secretary, Play India Play, Meerut (U.P.)

S. Parvathi Devi

Ph.D.-University of Allahabad

S.KANNAN

Annamalai University, TN

Indian Streams Research Journal



INSTITUTIONAL FINANCE FOR AGRICULTURE DEVELOPMENT IN KARNATAKA: AN ANALYSIS OF ITS GROWTH AND PERFORMANCE



D. C. Kurnal

Ph.D. Degree in Karnataka University, Dharwad .



Co - Author Details :

H. H. Uliveppa

**Research scholar and professor, Department of Economics, Karnatak University,
Dharwad, respectively.**



ABSTRACT

The institutional finance has been conceived to play an important role in the agricultural development of India. A large number of institutional agencies are involved in the disbursement of credit to agriculture. However, the persistence of money lenders in the rural credit market is still a major concern. Against this background the present study has made an attempt to study the growth of formal institutional agencies in Karnataka and also examined the quantum of loans issued by formal institutional agencies viz., Co-operative banks, Regional Rural banks and Scheduled commercial

banks in Karnataka. This study is mainly based on secondary data collected from NABARD annual reports of various issues and Co-operative banks reports, and statistical reports of government of Karnataka. Simple statistical tools like percentage and ratios have been employed for the analysis. The study reveals that the proportion of all the formal institutional agencies tended to increase with the increasing years during the reference period. The proportion of credit amount provided to agriculture by Co-operative banks, RRBs and Scheduled commercial banks tended to increase with the increasing years i.e. from 2005-06 to 2014-15. However, the data on percentage of credit amount provided to agriculture by Co-operative banks, RRBs and Scheduled commercial banks indicates that, there is an up and down trends was found over a period of time. Among the institutional agencies, it has also been observed that, the proportion of credit disbursed to agriculture was found to be quite significant in scheduled commercial banks as compared to the Co-operative banks and Regional Rural banks. The study has suggested that all formal financial institutions should work together and complement each

other. Linkage among the formal financial institutions at all level is needed for improving credit flow to agriculture in general and in Karnataka in particular.

KEYWORDS :Agriculture, Institutional agencies, Co-operative banks, Regional Rural banks, scheduled commercial banks and Credit.

1.INTRODUCTION:

Agriculture is the backbone of the Indian economy, 60 per cent of the population depends on agricultural sector. It provides raw materials to the agro based and allied industries. Agriculture contributes 18 per cent to the national income. According to the 2011 census, three out of every four Indian live in the rural areas. The Rural areas in the country are confronted with various problems like unemployment, poverty and poor standard of living. Further with increasing population pressure there is a need to increase food and fibre production. Under these circumstances, agricultural development becomes imperative mainly to absorb the surplus manpower and generate gain full employment in a predominantly agrarian economy.

Agriculture is away life, a tradition which, for centuries has shaped the thought, the outlook, the culture and the economic life of the majority of the people in India. Agriculture signifies a lifeline for majority of the population and its modernisation and commercialisation are of significant importance. Thus, the importance of credit for agriculture in India has assumed and added significance in view of its pivotal role in the national agrarian economy. Indian agriculture though varied and having a great potentiality is still in backward condition for various reasons. This is mainly because of its subsistence nature, caused by smaller holdings and poor capital investment ability by farmers themselves owing to poor economic conditions. Further, with the advent of green revolution and commercialisation of agriculture, the capital needs in Agriculture also has increased substantially and by many folds. Therefore, there is a greater need for institutional credit as vital input to support agriculture and allied activities for promoting modern methods of production and for sustained farm returns.

Institutional credit was prompted in Karnataka through several policy mechanisms by establishing network of institutions. Over the years, there has been a significant shift from the subsistence level of production to market oriented commercial production. Diversification and commercialization in agriculture have resulted in shifting of cropping pattern from traditional crops to commercial and high value crops and produced for new markets. In all these, institutional credit played a very important role in the development of agrarian sector. It acted as a means to provide control over resources to enable the farmers to acquire the required capital for increasing agricultural production. Against this background the present study has been undertaken.

2. OBJECTIVES OF THE STUDY

- + The main objectives of the study are to;
- + Study the growth of formal institutional agencies in Karnataka;
- + Examine the quantum of loans issued by formal institutional agencies in Karnataka; and
- + Suggest Policy prescriptions to improve the agricultural finance in formal institutional agencies.

3. DATA BASE AND METHODOLOGY

This study is mainly based on secondary data collected from various annual reports of NABARD, Co-operative banks, and statistical reports of government of Karnataka. For collection of the secondary data on financial performance of the formal institutional agencies in Karnataka, ten years i.e. from

2005-2006 to 2014-2015 were taken as the reference period. The accounting year of the bank commences on 1st April of every year and ends on 31st March of next year. Simple statistical tools like percentage and ratios have been employed for the analysis. The results were presented through bar diagrams.

4. RESULTS AND DISCUSSION

Agriculture sector occupies a predominant role or place not only in the Indian economy but also in Karnataka State. This sector has been commercialized and diversified through the use of modern technologies which have enhanced the credit need in the agricultural sector. In this connection the credit has been recognized as the life blood of all Economic activities. According to an old proverb “Credit supports the farmers as the hangman’s rope supports the hanged”. This statement is fully true in the context of the farmers of Karnataka state. The fact is that farmers in the State cannot expect their credit needs which have to come from savings. It is mainly because their incomes from farm operations are sufficient only to provide minimum necessities of life. Therefore, they have to depend upon institutional banking agencies i.e., Cooperative banks; Commercial banks and Regional rural banks. These institutions needs to play a vital role in the socio and economic development of the country and state, particularly in the rural areas for the development of agriculture and allied sectors.

4.1 Growth of Formal Institutional Agencies in Karnataka

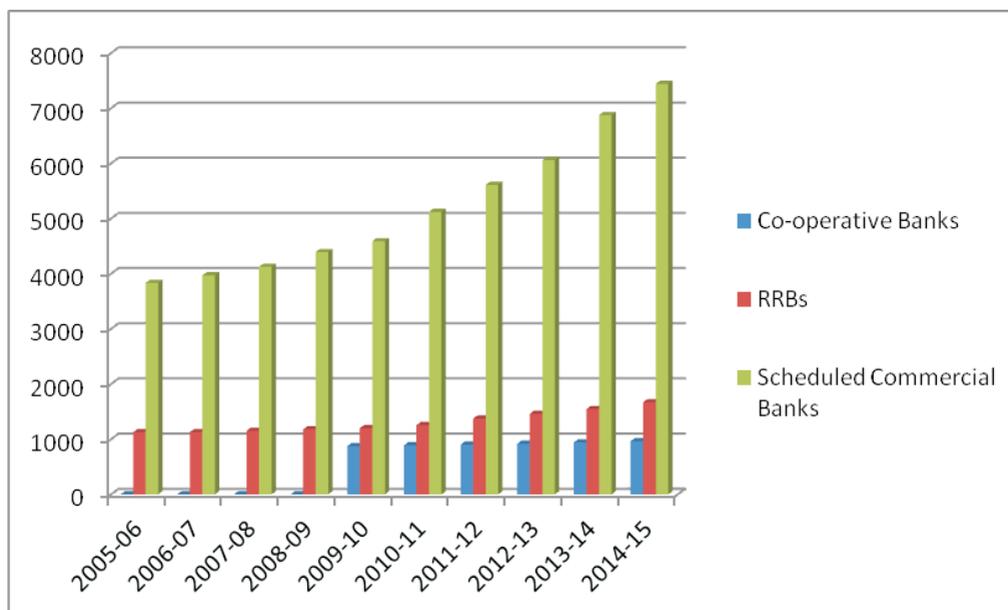
Table 1 presents the data on growth of formal agencies in Karnataka during the period from 2005-06 to 2014-15. The tabulated data clearly shows that at the aggregate level the proportion of all the formal institutional agencies tended to increase with the increasing years from 2005-06 to 2014-15. Around 4962 and 10074 formal institutional agencies were working during the year 2005-06 and 2014-15, respectively. Among the institutional agencies the proportion of scheduled commercial banks was found to be higher as compared to the Co-operative banks and RRBs during the years from 2005-06 to 2014-15. The proportion of Co-operative banks was 875 and 963 in the year 2009-10 and 2014-15, respectively. While, the proportion of RRBs was 1127 and 1671 in the year 2005-06 and 2014-15, respectively. Similarly, the proportion of Scheduled commercial banks was 3835 and 7440 in the year 2005-06 and 2014-15, respectively. The growth of formal institutional agencies in Karnataka over a period of time has been depicted in Figure 1.

Table 1
Growth of Formal Institutional Agencies in Karnataka, during 2005-06 to 2014-15

Year	Co-operative Banks	RRBs	Scheduled Commercial Banks	All
2005-06	NA	1127	3835	4962
2006-07	NA	1128	3971	5099
2007-08	NA	1153	4127	5280
2008-09	NA	1180	4391	5571
2009-10	875	1201	4589	6665
2010-11	890	1256	5122	7268
2011-12	901	1374	5610	7885
2012-13	918	1460	6062	8440
2013-14	943	1547	6876	9366
2014-15	963	1671	7440	10074

Source: Economic Survey of Karnataka (Various issues).

Figure 1
Growth of Formal Institutional Agencies in Karnataka, during 2010-11 to 2014-15



Source: Table 1.

4.2. Credit Flow to Agriculture by Co-operative Banks in Karnataka

Co-operative banks have been play an important role, not only in the economic development of the state, but also providing timely credit to the agriculture and allied activities in Karnataka. The Government of Karnataka is subsidizing the Co-operatives by providing interest- subsidy through budgetary provisions. Since the implementation of the recommendations of Prof. Vaidyanathan Committee the role of the State Government in respect of Agricultural credit has chanced form a regulator, supervisor to the role of being a Friend, Philosopher and Guide. All statutes, circulars and orders which were coming in the way of day to day internal affairs of the institutions have been withdrawn. A new era of Co-operative credit structure through self-governance and independent decision making has come in to being and it is hoped that the Co-operatives will become professionally efficient and financially viable in the years to come.

Table 2 provides the data on credit flow to agriculture by Co-operative Banks in Karnataka, during 2005-06 to 2014-15. The data clearly reveals that the proportion of credit amount provided to agriculture by co-operative banks tended to increase with the increasing years i.e. from 2005-06 to 2014-15 (except the year 2008-09). The proportion of credit amount provided to agriculture by co-operative banks was estimated at Rs.39,404 crore and Rs.1,38,469 crore in the year 2005-06 and 2014-15, respectively. Whereas, the percentage of credit amount provided to agriculture by co-operative banks indicates that, there is an up and down trends was found over a period of time. However, a negative growth was found in the year 2008-09 (-4.77 per cent). The highest (38.17%) and lowest (6.49%) growth was found in the year 2009-10 and 2013-14, respectively. While, a negative growth rate was registered in the year 2008-09 (-4.77%). This implies that co-operative banking system is one of the important tools for the development of economic activities in the rural area in India in

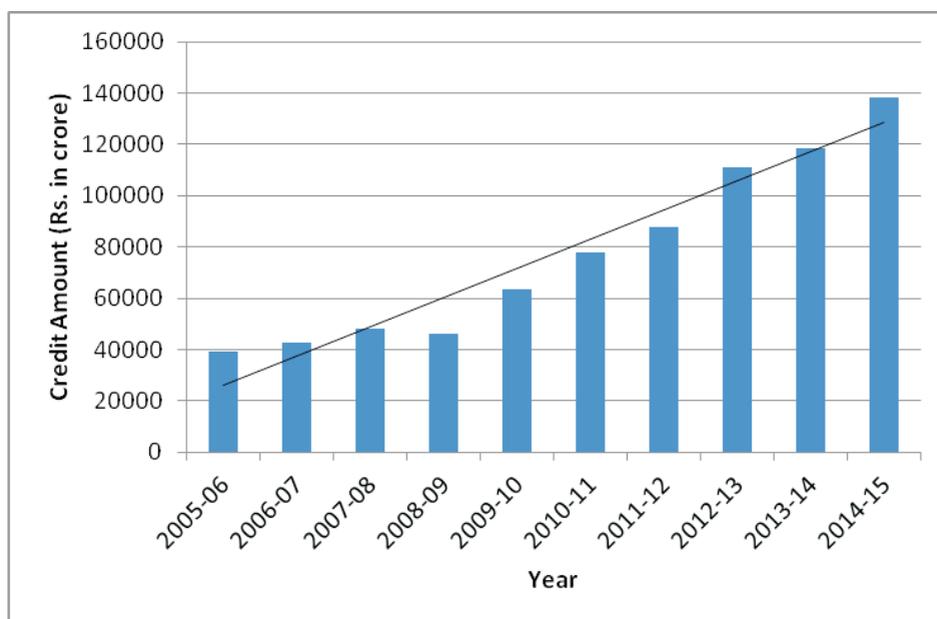
general and in Karnataka in particular. The credit flow to Agriculture by Co-operative Banks in Karnataka, during 2005-06 to 2014-15 has been shown in Figure 2.

Table 2
Credit Flow to Agriculture by Co-operative Banks in Karnataka, during 2005-06 to 2014-15

Year	Credit Amount (in crore)	Percentage Increase/Decrease over the previous year
2005-06	39,404	--
2006-07	42,480	7.81
2007-08	48,258	13.60
2008-09	45,956	-4.77
2009-10	63,497	38.17
2010-11	78,007	22.85
2011-12	87,963	12.76
2012-13	1,11,203	26.42
2013-14	1,18,422	6.49
2014-15	1,38,469	16.93

Source: NABARD Annual Reports (Various issues).

Figure 2
Agricultural Loan Disbursement by Co-operative Banks in Karnataka, during 2005-06 to 2014-15



Source: Table 2.

4.3. Credit Flow to Agriculture by Regional Rural Banks in Karnataka

Agriculture and rural sector play an important role in India's overall development. RRBs were formed through RBI Act of 1976 to provide the credit to the rural poor. RRBs were expected to evolve as

specialized rural financial institutions for developing the rural economy by providing credit to small and marginal farmers, agricultural labourers, artisans and small entrepreneurs (Sardesai Committee, 2005). The Sardesai committee held that ‘to improve the operational viability of RRBs and take advantage of the economies of scale, the route of merger/amalgamation of RRBs may be considered taking into account the views of the various stakeholders’. Ahangar et al (2013) in his paper stated that RRBs have played a key role in India in enhancing financial services in rural areas. Apart from their focus on lending to the priority sector, these banks have also evolved different savings products to provide safe savings options in the rural areas. Over the years, RRBs emerged as a key rural financial institutions in terms of geographical coverage, clientele outreach and business volume.

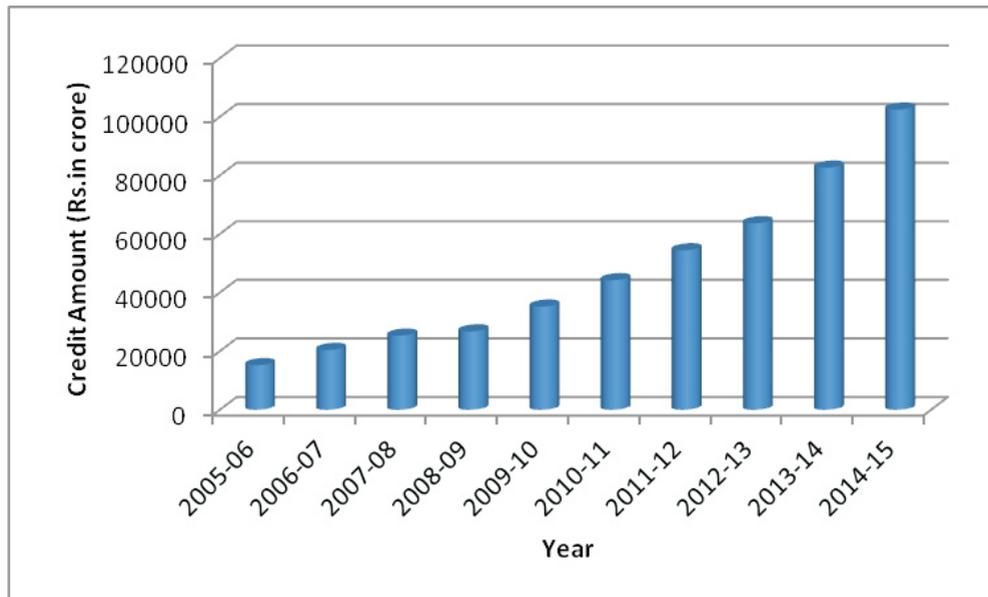
Table 3 exhibits the credit flow to Agriculture by Regional Rural Banks in Karnataka, during 2005-06 to 2014-15. The data reveals that the proportion of credit issued to agriculture by Regional Rural Banks tended to increase with the increasing years over a decade. The proportion of credit issued to agriculture by Regional Rural Banks was estimated at Rs. 15,223 crore, Rs.35,217 crore and Rs.1,02,483 crore in the year 2005-06, 2009-10 and 2014-15, respectively. Whereas the percentage of credit flow to agriculture by Regional Rural Banks was tended to decrease with the increasing year from 2005-06 to 2008-09 and thereafter increased (only in the year 2009-10). While, the percentage of credit flow to agriculture by Regional Rural Banks was again tended to decrease with the increasing year from 2010-11 to 2012-13 and thereafter increased (only in the year 2013-14), further in the year 2014-15 it tends to fall. It is also observed that the highest (34.24 per cent) and lowest (5.74 per cent) growth rate was found in the year 2006-07 and 2008-09, respectively, during the period of study. The credit Flow to agriculture by Regional Rural Banks in Karnataka, during 2005-06 to 2014-15 has been shown in Figure 3.

Table 3
Credit Flow to Agriculture by Regional Rural Banks in Karnataka, during 2005-06 to 2014-15

Year	Credit Amount (in crore)	Percentage Increase/Decrease over the previous year
2005-06	15,223	--
2006-07	20,435	34.24
2007-08	25,312	23.87
2008-09	26,765	5.74
2009-10	35,217	31.58
2010-11	44,243	25.63
2011-12	54,450	23.07
2012-13	63,681	16.95
2013-14	82,652	29.79
2014-15	1,02,483	23.99

Figure 3

Agricultural Loan Disbursement by Regional Rural Banks in Karnataka, during 2005-06 to 2014-15



Source: Table 3.

4.4. Credit Flow to Agriculture by Scheduled Commercial Banks in Karnataka

The scheduled commercial banks are also one of the important financial institutions in disbursing the agricultural credit in Karnataka state. The foundation for building a broad base for agricultural credit was laid by the Report of the AIRCS of 1954 headed by the GOI. The provision of cultivator credit in 1951-52 was less than one per cent from scheduled commercial banks. In the survey report it was highlighted that agricultural credit fell short of the right quantity, was not of the right type, did not fit the right purpose and often failed to go to the right people. With a view to give an impetus to CBs, particularly in the sphere of investment credit, the nationalization of the Imperial Bank of India and its redesignation as the SBI was recommended.

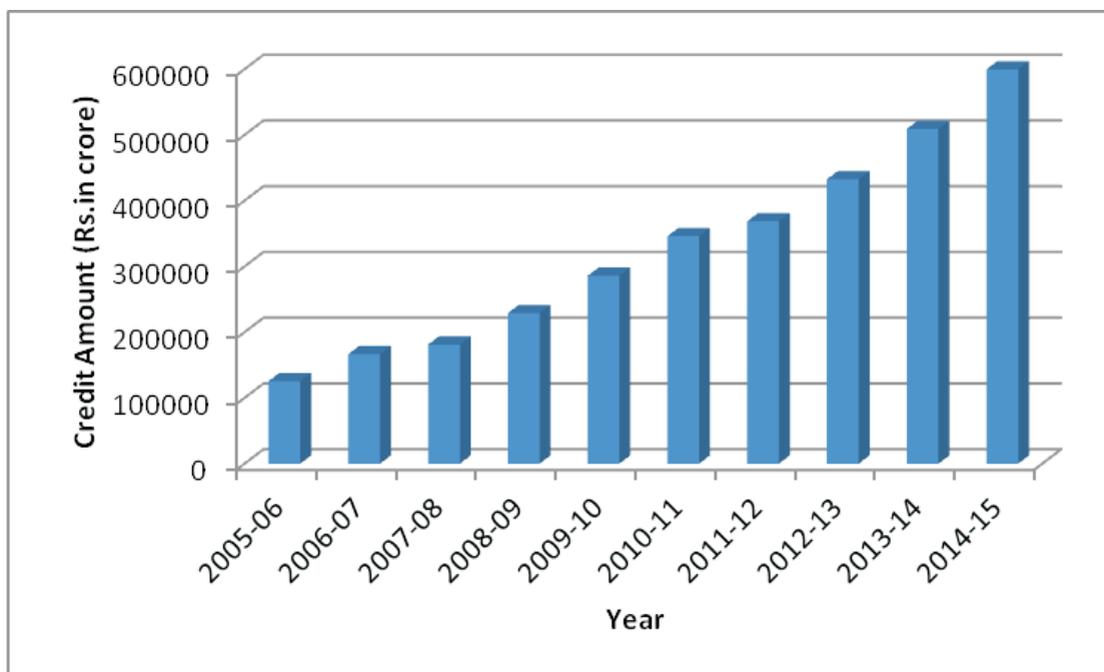
Table 4 manifests the credit flow to agriculture by scheduled commercial banks in Karnataka, during 2005-06 to 2014-15. The data indicates that the proportion of credit disbursed to agriculture by scheduled commercial banks tended to increase with the increasing years over the ten years period. The proportion of credit sanctioned to agriculture by scheduled commercial banks was estimated at Rs. 1,25,477 crore, Rs. 3,45,877 crore and Rs. 5,99,691 crore in the year 2005-06, 2010-11 and 2014-15, respectively. Whereas the percentage of credit provided to agriculture by scheduled commercial banks was tended to decrease with the increasing year from 2005-06 to 2007-08 (from 32.68 % to 8.77%) and thereafter increased with 26.43 per cent (only in the year 2008-09). While, the percentage of credit flow to agriculture by scheduled commercial banks was again tended to decrease with the increasing year from 2009-10 to 2011-12 (from 24.83% to 6.57%) and thereafter (from 2012-13 to 2014-15) increased. It has been found that the highest (32.68 per cent) and lowest (6.57 per cent) growth rate was registered in the year 2006-07 and 2011-12, respectively, over a decade (Figure 4). Going by institutional agencies, it has been observed that, the proportion of credit disbursed to agriculture was found to be quite significant in scheduled commercial banks as compared to the Co-operative banks and Regional Rural banks during the reference period.

Table 4
Credit Flow to Agriculture by Scheduled Commercial Banks in Karnataka, during 2005-06 to 2014-15

Year	Credit Amount (in crore)	Percentage Increase/Decrease over the previous year
2005-06	1,25,477	--
2006-07	1,66,485	32.68
2007-08	1,81,088	8.77
2008-09	2,28,951	26.43
2009-10	2,85,800	24.83
2010-11	3,45,877	21.02
2011-12	3,68,616	6.57
2012-13	4,32,491	17.33
2013-14	5,09,005	17.69
2014-15	5,99,691	17.82

Source: NABARD Annual Reports (Various issues).

Figure 4
Agricultural Loan Disbursement by Scheduled Commercial Banks in Karnataka, during 2005-06 to 2014-15



Source: Table 4.

5. POLICY IMPLICATIONS

Based on the above findings the following policy prescriptions can be drawn;

- + NABARD should be extended refinance support exclusively to co-operative banks and RRBs for investment credit in agricultural and allied activities.

- + Co-operative and RRBs should be facilitated adequate and timely credit to agriculture. Co-operative banks should become more relevant in changing economic environment of LPG era.
- + The doors of scheduled commercial banks should be more opened for agriculture sector.
- + Formal institutional agencies should be strengthened to accelerate the flow of credit to meet the demand of the agriculture sector and bring overall development in the rural economy.
- + Procedure for loan disbursement of formal institutional agencies should be made simple. So that it may not be difficult for the less-educated and illiterate farmer households to access institutional financing agencies for credit.
- + It is necessary that all formal financial institutions should work together and complement each other. Linkage among the formal financial institutions at all level is needed for improving credit flow to agriculture.
- + Institutional framework should be more participative through proper implementation of the existing policy.

6. CONCLUSIONS

The forgoing analysis reveals that the formal institutional agencies like Co-operative banks, Regional rural banks and Scheduled commercial banks are play an important role in providing credit to agriculture in Karnataka. The proportion of all the formal institutional agencies tended to increase with the increasing years from 2005-06 to 2014-15. Among the institutional agencies the proportion of scheduled commercial banks was found to be higher as compared to the Co-operative banks and RRBs during the reference period.

It has been found that co-operative banks have been play an important role in providing timely credit to the agriculture and allied activities in Karnataka. The proportion of credit amount provided to agriculture by co-operative banks tended to increase with the increasing years i.e. from 2005-06 to 2014-15 (except the year 2008-09). Whereas, the percentage of credit amount provided to agriculture by co-operative banks indicates that, there is an up and down trends was found over a period of time.

It has been observed that RRBs were expected to evolve as specialized rural financial institutions for developing the rural economy by providing credit to small and marginal farmers, agricultural labourers, artisans and small entrepreneurs. The proportion of credit issued to agriculture by Regional Rural Banks tended to increase with the increasing years over a decade. However, the percentage of credit flow to agriculture by Regional Rural Banks was tended to decrease with the increasing years from 2005-06 to 2008-09, and thereafter increased.

The scheduled commercial banks are also one of the important financial institutions in disbursing the agricultural credit in Karnataka state. The proportion of credit disbursed to agriculture by scheduled commercial banks tended to increase with the increasing years over the ten years period. While, the percentage of credit flow to agriculture by scheduled commercial banks was again tended to decrease with the increasing year from 2009-10 to 2011-12 and thereafter increased.

Further it is found that, the proportion of credit disbursed to agriculture was found to be quite significant in scheduled commercial banks as compared to the Co-operative banks and Regional Rural banks during the reference period.

REFERENCES

1. Ahangar et al (2013): A Study on Institutional Credit to Agriculture Sector in India, International Journal of Current Research and Academic Review, 1(4), pp.72-80.
2. Choudhary and Reetu (2015): Role of Institutional Credit to Agriculture Sector, Indian Journal of

Applied Research,5(2),pp.137-138.

3.Directorate of Economics and Statistics, Agricultural Statistics at a Glance, (Annual issues from 2005-06 to 2014-15), Ministry of Agriculture and Co-operation, Govt.of India, New Delhi.

4.GoK:(2015): Economic Survey of Karnataka 2014-15,Department of Economics and Statistics, Government of Karnataka, Bangalore.

5.Kumar et al. (2010): Institutional Credit to Agriculture Sector in India: Status, Performance and Determinants, Agricultural Economics Research Review. Vol.23, pp. 253-264.

6.Murthy et al.(2009): Dimensions of Institutional Finance for Agricultural Activities: An Analysis, Journal of Indian Management Studies, 13(30).

7.NABARD Databank (various issues) National Bank for Agriculture and Rural Development, Mumbai.

8.Satpathy A.R.(2011):Role of Institutional Finance for Agriculture Development,Indian Journal of Applied Research,1(1),pp.3-4.

Publish Research Article

International Level Multidisciplinary Research Journal For All Subjects

Dear Sir/Mam,

We invite unpublished Research Paper, Summary of Research Project, Theses, Books and Book Review for publication, you will be pleased to know that our journals are

Associated and Indexed, India

- * International Scientific Journal Consortium
- * OPEN J-GATE

Associated and Indexed, USA

- Google Scholar
- EBSCO
- DOAJ
- Index Copernicus
- Publication Index
- Academic Journal Database
- Contemporary Research Index
- Academic Paper Database
- Digital Journals Database
- Current Index to Scholarly Journals
- Elite Scientific Journal Archive
- Directory Of Academic Resources
- Scholar Journal Index
- Recent Science Index
- Scientific Resources Database
- Directory Of Research Journal Indexing

Indian Streams Research Journal
258/34 Raviwar Peth Solapur-413005, Maharashtra
Contact-9595359435
E-Mail-ayisrj@yahoo.in/ayisrj2011@gmail.com
Website : www.isrj.org