# AGRICULTURAL CREDIT IN INDIA: WITH REFERENCE TO KISAN CREDIT CARD (KCC) 

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#### Abstract

For agricultural productivity, credit is a necessary input. India's economy is based mostly on agriculture. The Kisan Credit Card (KCC) seeks to offer farmers with timely and appropriate funds in a flexible and cost-effective manner. The inauguration of the Kisan Finance Card Scheme is a watershed moment in Indian agricultural credit history. Kisan Credit Card (KCC), which was first introduced in 1998-99, allows farmers to purchase agriculture supplies such as seeds, fertilizers, and insecticides as well as withdraw cash to meet their productionrelated needs. The Kisan Loans Card Scheme was designed to make it easier for borrowers to obtain short-term credit from formal financial institutions. Secondary data was collected and evaluated in this research project to examine the growth and variations of the Kisan Credit Card in terms of number and amount sanctioned from 2017 to 2021. The data was analyzed, and a conclusion was reached.


Keywords: Kisan Credit Card, Growth, Variations, Agricultural inputs, Credit, NABARD

## INTRODUCTION

The Kisan Credit Card is a credit card programme launched by Indian banks in August 1998. The National Bank for Agriculture and Rural Development (NABARD) developed this model scheme to supply term loans for agricultural needs based on the suggestions of the R.V. Gupta Committee. Its goal is to provide financial assistance to farmers in order to address the agricultural sector's comprehensive credit needs. All commercial banks, Regional Rural Banks, and state cooperative banks are among the participants. Short-term credit limitations for crops are in place, as are term loans. Personal accident insurance covers KCC credit card members up to Rs. 50,000 for death and permanent disability, and up to Rs. 25,000 for other risks. The premium is split evenly between the bank and the borrower. The validity period is five years, with the option of an additional three-year extension.

Kisan Credit Card provides cash and term credit to farmers for a variety of linked operations such as pump sets, land expansion, planting, and drip irrigation. Soil Wellbeing Card programming has been institutionalized and online programming built for eight states under the e-Government Program to provide coordinated supplement administration suggestions based on soil test edit reaction approach. Ranchers receive data through a variety of channels, including Common Service Centers, Internet Kiosks, and SMS, as part of the National e-Governance Plan for Agriculture.

Currently, 12 distinct administrations provide data on climate; soil wellbeing; seeds, supplements, bugs; water system; crops, great horticultural practices, cultivate hardware;
promoting foundation; cultivate product costs, entries, get-together focuses; electronic affirmation to send out and import; dry season help and administration; domesticated animals, fisheries administration; pre-harvest information; pre-harvest information; pre-harvest information; pre-harvest information; pre-harvest information; pre-harvest information India's financial aid to agriculture has expanded considerably since the financial reforms.

The government, in collaboration with the RBI, has implemented a number of schemes and initiatives to channel finances to rural areas of the country, allowing farmers to obtain adequate credit. It also underlined the need for innovative lending instruments to assist farmers, which resulted in the creation of the Kisan Credit Card Scheme. The scheme began in 1998, following the recommendations of the Shri R.V. Gupta committee.

The Kisan credit card KCC scheme is a short -term credit facility made to provide farmers with easy access to credit for both domestic and consumption needs It provided financial support to farmers to meet their credit needs in regard to production consumption and other related activities as and when required throughout the year.

## The Kisan Credit Card (KCC) Scheme

The Kisan Credit Card scheme was brought about with the aim of simplifying the procedure for farmers in getting adequate and timely credit. This would assist farmers in purchasing agricultural inputs such as seeds, fertilizers, insecticides, and other similar items. The KCC also addresses post-harvest costs, consumption needs, and finance requirements for agriculture and related industries. Commercial banks, small finance institutions, and cooperatives are in charge of implementing the scheme. Farmers are spared from the exorbitant interest rates charged by traditional banks under the KCC plan. The interest rate on KCC loans ranges from $2 \%$ to $4 \%$. This low interest rate aids farmers in repaying loans more quickly, taking into account the crop's harvesting season and the date the loan was provided.

## Key features of Kisan Credit Card Scheme

1) Farmers will be able to satisfy their financial obligations, as well as any post-harvest expenses. A loan of Rs. 3 lakh can be sanctioned and produce marketing loans can be obtained
2) Farmers who are eligible for the KCC programme will be given a savings account with a reasonable interest rate. The KCC scheme will facilitate a hassle-free disbursement procedure and a flexible repayment loan.
3) For loans of up to Rs. 1.6 lakh, no collateral would be required.
4) Credit will be provided for a period of three years, with repayment possible after the harvest season. There are certain subsidies and schemes offered by the government regarding interest rate. Availing these subsidies is dependent on the repayment history and general credit history of the cardholder.
5) Fees and additional charges, such as processing fees and land mortgage deed expenses, would be at the issuing bank's discretion.
6) Limits will be set based on operational land holdings, cropping patterns, and financial resources.
7) The Card is valid for five years after which it will be reviewed annually. With a solid credit score, the card limit could be increased to cover issuing charges, incidental spending, or a change in cropping pattern, among other things.
8) In the event of crop damage caused by an unforeseen incident such as a natural calamity, rescheduling of loans and conversions will be approved.

## Limitations of the Study

1) The present research study has covered Kisan Credit Card (KCC) use in terms of cards issued and amount sanctioned only.
2) Due to physical and social distancing in covid-19, the researcher has collected secondary data only from

Reserve Bank of India (RBI) database.
3) The present research study is restricted to Co-operative Banks, Rural Regional Bank (RRBs) and Commercial banks in India issuing Kisan Credit Card (KCC).

## Significance of the Study

1) The present research study will be helpful to understand the concept and use of Kisan Credit Card.
2) It will be helpful to analyze the growth of Kisan Credit Card (KCC) in terms of actual number of cards issued and amount sanctioned on it.
3) The present research study will be helpful to analyze and examine the region-year-wise comparative growth of Kisan Credit Card (KCC) in India.

## Objectives of the Study

1) To study the concept - Kisan Credit Card (KCC).
2) To study the year-wise growth of cards and amount sanctioned on card.
3) To examine the growth of Kisan Credit Cards (KCC) in terms (region-wise) of cards issued and amount sanctioned.
4) To analyze the agency-wise (bank-wise) trend of Kisan Credit Card (KCC) in India.

## Hypotheses of the Study

1) $H_{0}$ : There is no significant difference in growth of number of cards and amount on Kisan Credit Card sanctioned (Discussed in $9(A)$ ).
2) $H_{0}$ : There is no significant difference in growth of number of cards and amount Kisan Credit Card sanctioned by Co-operative Banks, Regional Rural Banks and Commercial Banks in India (Discussed in 9 (B)).
3) $H_{0}$ : There is no significant difference in growth of number of and amount Kisan Credit Card sanctioned with respect to Agency-Year-Region wise in India (Discussed in $9(C)$ ).

## REVIEW OF LITERATURE

The review of literature for the study on Kisan Credit Card has been taken from various journals, books, periodicals and govt reports.

The role of the kisan credit card scheme in rural India was investigated by Mehta, et al., (2016). The study's main goal was to examine the role of the Kisan credit card scheme and make recommendations. It was discovered that the Kisan credit card was a very effective popular rural lending tool for financing farmers' needs in a prudent manner. It was advised that banks make the process as simple as possible so that farmers in low-performing areas can benefit from the scheme as well.

Gandhimathi \& Sumaiya (2015) assessed the role of the kisan credit card system in agricultural loan distribution in the country. Rural branches of commercial banks, aggregate deposits, agriculture production, commercial bank borrowing from the Reserve Bank of India, and the introduction of the KCC scheme were found to be significant in determining financial inclusion among the factors studied. Furthermore, regression analysis and logit analysis revealed that KCC increased financial inclusion in the agricultural sector.

Godara, et al., (2014) investigated the KCC plan in Haryana. State regional rural banks and state co-operative banks were the banks chosen. The study's major goal was to look at how RRBs and state cooperative banks issued, sanctioned, and dispensed kisan credit cards. To assess the performance, the compound annual growth rate was determined. When compared to cooperative banks, the performance of regional rural banks was determined to be satisfactory.

Patil (2014) examined the role of commercial banks in financial inclusion in India
through the KCC system, with the goal of analysing the issuance of kisan credit cards and credit to holders by bank group. It was discovered that all bank groups had contributed significantly to the financing of poor farmers through the Kisan credit card scheme.

Laxyapathi (2013) examined the Kisan credit card programme in India and Karnataka in order to assess the growth rate of Kisan credit card users and investigate the impact of the Kisan credit card on crop production and farmer income.

Sharma, et al., (2013) investigated the kisan credit card system among beneficiary farmers as well as its impact in Sehore (Madhya Pradesh). The study's primary goal was to examine beneficiary farmers' adoption patterns.

Parwate, et al., (2012) looked into how farmers in Raipur used their kisan credit cards (Chhattisgarh). The information was gathered through personal interviews with a group of 120 farmers drawn at random from 12 communities. A four-point scale was employed to analyze the data. Farmers used the Kisan credit card benefits for crop insurance 95.66 percent of the time, 85.33 percent of the time, and $40 \%$ of the time, the full credit limit, and $40 \%$ of the time, the loan facilities under the Kisan credit card were used throughout the entire cropping season. It was suggested that efforts be made to popularize the usage of KCC in order to increase productivity for long-term development.

## RESEARCH METHODOLOGY

For the purpose of the study, the period-wise, agency-wise and region-wise secondary data related to the progress of KCC have been collected and analyzed. The data has been taken for the financial years of 2017-2018 to 2020-21. The progress of KCC in terms of number of cards and amount sanctioned has ben has been calculated by using Mean Value, Coefficient of Variation and Exponential Growth Rate (EGR) and presented in the form of tables. The data has been accumulated from various reports of NABARD and publications of Reserve Bank of India. The Agency-Year-Bank wise analysis has been done for Commercial Banks, Regional Rural Banks and Co-operative Banks in India are providing Kisan Credit Card scheme during the said period.

## ANALYSIS

## Period-wise Overall Progress of Kisan Credit Card Scheme

Kisan Credit Card scheme has been brought in the Indian budget speech by the Finance Minister of India for the year 1998-99 and implemented the same for the benefits of Indian farmers. Since then, the scheme has made rapid progress in terms of number of operative and amount outstanding under Kisan Credit Card. The period-wise data related to number of operative and amount outstanding under Kisan Credit Card has been reviewed and analyzed in India for the year 2017-18 to 2020-2021 and the same has been presented in Table 1.

| Table 1 <br> NUMBER OF OPERATIVE AND SANCTIONED AMOUNT ON KISAN <br> CREDIT CARD |  |  |
| :---: | :---: | :---: |
| Year | Number of Operative KCCs (in ‘000) | Amount outstanding under <br> Operative KCCs (In Bn.) |
| 2017 | 71,522 | $6,496.2$ |
| 2018 | 69,210 | $6,68,322.6$ |
| 2019 | 66,323 | $6,68,256.3$ |


| 2020 | 65,280 | $6,97,017.6$ |
| :---: | :---: | :---: |

Source: NABARD and RBI

The same data has been analyzed as follow;

| Table 2 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DESCRIPTIVE STATISTICS: NUMBER OF KISAN CREDIT CARD |  |  |  |  |  |
|  | $\mathbf{N}$ | Minimum | Maximum | Mean | Std. Deviation |
| No. Of KCC | 4 | 65280.00 | 71522.00 | 68083.7500 | 2831.44585 |
| Valid N (Listwise) | 4 | - | - | - | - |

Source: Compiled from Primary Data
Table 2 explains that the Mean Value of number of cards issued by all the banks throughout the country was 68083.7500 (in ' 000 ). The number of cards issued was 71,522 (in ' 000 ) in the year 2017-18 which has been reduced to 65,280 (in ' 000 ) in the year 2020-21, which registered a decline in growth rate during the period by $8.73 \%$. Thus, it shows decline in growth rate of number Kisan Credit Card issued.

| Table 3 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DESCRIPTIVE STATISTICS: AMOUNT OF KISAN CREDIT CARDS (KCC) |  |  |  |  |  |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| Amount of KCC | 4 | 6496.20 | 697017.60 | 510023.1750 | 335957.71526 |
| Valid N (list wise) | 4 |  |  |  |  |

Source: Compiled from Primary Data
Table 3 explains that the Mean Value of amount sanctioned by all banks throughout the country was 510023.1750 (In Bn). The amount sanctioned under the Kisan Credit Card scheme was Rs. 6496.200 (In Bn) in the year 2017-18 which has been increased to Rs. 697017.6 (In Bn) in the year 2020-21, registered a growth rate of 1062.96 per cent during the same period. Thus, the kisan credit card scheme has shown growth during the period of study in terms of amount sanctioned.

| Table 4 |  |  |  |
| :---: | :---: | :---: | :---: |
| CHI-SQUARE VALUE RELATED TO NUMBER AND AMOUNT OF KISAN CREDIT CARD |  |  |  |
|  | Number of KCC | Amount of KCC |  |
| Chi-Square | $0.000^{\mathrm{a}}$ | $0.000^{\mathrm{a}}$ |  |
| Df | 3 | 3 |  |
| Asymp. Sig. | 1.000 | 1.000 |  |
| a. 4 cells (100.0\%) have expected frequencies less than 5. The minimum expected cell frequency is 1.0. <br> The table above shows Chi-square value at 3 degrees of freedom, explains significant difference in <br> number and amount of Kisan Credit Card. |  |  |  |
| num |  |  |  |

Source: Compiled from Primary Data
Thus, from the above the alternate hypothesis, "There is a significant difference in growth of number of cards and amount on Kisan Credit Card sanctioned.

## (A) Agency-Year-wise Progress of Kisan Credit Card Scheme

Table 5
AGENCY-YEAR-WISE PROGRESS OF KISAN CREDIT CARD SCHEME

| Year | Number of <br> Operative <br> KCCs |  | Amount <br> outstanding <br> under <br> Operative <br> KCCs | Number of <br> Operative <br> KCCs | Amount <br> outstanding <br> under <br> Operative <br> KCCs | Number of <br> Operative <br> KCCs | Amount <br> outstanding <br> under <br> Operative <br> KCCs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Co-operative Banks |  | Regional Rural Banks |  | Commercial Banks |  |  |
|  | 35,883 | $1,122.0$ | 12,271 | $1,024.2$ | 23,368 | $4,350.0$ |  |
| $\mathbf{2 0 1 8}$ | 33,495 | $1,24,484.8$ | 12,193 | $1,13,363.9$ | 23,521 | $4,30,473.9$ |  |
| $\mathbf{2 0 1 9}$ | 30,414 | $1,27,436.0$ | 12,253 | $1,27,071.8$ | 23,632 | $4,13,670.4$ |  |
| $\mathbf{2 0 2 0}$ | 28,938 | $1,36,734.7$ | 12,197 | $1,36,695.1$ | 24,145 | $4,23,587.8$ |  |

Source: Compiled from Primary Data

| Table 6PAIRED SAMPLES CORRELATIONS: RELATED TO NUMBER AND AMOUNT SANCTIONED ONKCC |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | N | $\begin{gathered} \text { Correlati } \\ \text { on } \end{gathered}$ | Correlation Interpretation | Sig. | Results |
| Pair 1-CoB | No of KCCCB \& Amount of КСССВ | 4 | -0.833 | Very High Negative Downward Correlation | 0.167 | Not Significant Fails to Reject $\mathrm{H}_{0}$ |
| Pair 2RRB | No of KCCRRB \& amount of KCCRRB | 4 | -0.694 | ```Moderate High Negative Downward Correlation``` | 0.306 | Not Significant Fails to Reject $\mathrm{H}_{0}$ |
| Pair 3-CB | No of KCCCOB \& Amount of KCCCOB | 4 | 0.589 | Moderate High Positive Upward Correlation | 0.411 | Not Significant Fails to Reject $\mathrm{H}_{0}$ |

Source: Compiled from Primary Data

| Table 6 <br> PAIRED SAMPLES TEST: PAIRED DIFFERENCE RELATED TO NUMBER AND AMOUNT SANCTIONED ON KCC |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Paired Differences |  |  |  |  | t-test | df | Sig. (2tailed) |
|  |  | Mean | Std. <br> Deviation | Std. <br> Error <br> Mean | 95\% Confidence Interval of the Difference |  |  |  |  |
|  |  |  |  |  | Lowe $\mathrm{r}$ | Upper |  |  |  |
| $\begin{gathered} \text { Pair } \\ 1 \\ \text { CoB } \end{gathered}$ | No of KCCCB amount of KCCCB | -65261 | 67043 | 33521 | $171942$ | 41419 | $1.947$ | 3 | . 147 |
| $\begin{gathered} \text { Pair } \\ 2 \\ \text { RRB } \end{gathered}$ | No of K CCRRBamount of KCCRRB | -82310 | 63101 | 31550 | $182718$ | 18097 | $2.609$ | 3 | . 080 |
| $\begin{aligned} & \text { Pair } \\ & 3 \text { CB } \end{aligned}$ | No of K <br> CCCOB <br> - amount of <br> KCCCOB | $294354$ | 209029 | 104514 | $626966$ | 38258 | $2.816$ | 3 | . 067 |

The table above shows that the calculated mean value lies between lower and upper bound value at $95 \%$ level of significance. The significance 2 -tailed value is greater than 0.05 .

## Source: Compiled from Primary Data

Thus, from the above the Null Hypothesis, "There is no significant difference in growth of number of cards and amount Kisan Credit Card sanctioned by co-operative banks, Regional Rural Banks and Commercial banks in India", is Accepted; (hence fails to reject Null Hypothesis). Agency-Year-Region-wise Progress of KCCC Scheme:

| Table 8AGENCY-YEAR-REGION-WISE PROGRESS OF KCCC SCHEME |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Amount of KCC in ₹ billion and Number of Kisan Credit Cards in '000) |  |  |  |  |  |  |  |  |  |  |  |
| Issuing Region | Issuing Agency | 2017 |  | 2018 |  | 2019 |  | 2020 |  | $\begin{gathered} \text { Cumulative } \\ 2017-21 \end{gathered}$ |  |
|  |  |  | Amt. of KCC | No. of KCC | Amt. of KCC | $\begin{gathered} \text { No. } \\ \text { of } \\ \text { KCC } \end{gathered}$ | Amt. of KCC | $\begin{gathered} \text { No. } \\ \text { of } \\ \text { KCC } \end{gathered}$ | Amt. of KCC | No. of KCC | Amt. of KCC |
| Northern Region | Cooperative Ban ks | 5,749 | 270 | 5,708 | 297 | 5,274 | 27,151 | 5,253 | 27,225 | 64,904 | 1,24,533 |
| North <br> Eastern <br> Region |  | 106 | 1.2 | 113 | 1.3 | 77 | 139.1 | 110 | 148.6 | 475 | 872 |
| Western Region |  | 5,622 | 260 | 4,773 | 278 | 4,184 | 25,825 | 4,088 | 27,724 | 61,821 | 1,19,458 |
| Central Region |  | 11,632 | 202 | 11,501 | 232 | 9,052 | 26,384 | 7,776 | 27,071 | 70,282 | 1,31,512 |
| Southern Region |  | 7,211 | 274 | 6,821 | 307 | 7,216 | 33,610 | 6,871 | 38,567 | 86,264 | 1,65,311 |
| Eastern Region |  | 5,563 | 116 | 4,579 | 130 | 4,612 | 14,327 | 4,840 | 16,000 | 39,779 | 74,946 |
| Mean Value |  | 3,696 | 187 | 5,583 | 208 | 5,069 | 21,239 | 4,823 | 22,789 | 53,920 | 1,02,772 |
| C.V. (\%) |  | 62 | 58 | 66 | 58 | 60 | 57 | 56 | 58 | 56 | 56 |
| Northern Region | Regional <br> Rural <br> Banks | 1,040 | 193 | 1,108 | 246 | 1,177 | 27,411 | 1,251 | 29,434 | 59,273 | 1,17,369 |
| North <br> Eastern <br> Region |  | 434 | 13.6 | 441 | 14.1 | 427 | 1424.7 | 426 | 1493 | 3,771 | 7,114 |
| $\begin{array}{r} \hline \text { Western } \\ \text { Region } \\ \hline \end{array}$ |  | 643 | 69.8 | 653 | 67.1 | 801 | 8758.7 | 732 | 8951.8 | 19,244 | 37,686 |
| Central Region |  | 3,876 | 354 | 3,993 | 379 | 4,115 | 43,561 | 4,031 | 45,175 | 96,883 | 1,89,650 |
| $\begin{array}{r} \text { Southern } \\ \text { Region } \\ \hline \end{array}$ |  | 3,144 | 250 | 3,355 | 295 | 3,162 | 31,111 | 3,204 | 35,947 | 73,424 | 1,43,686 |
| Eastern <br> Region |  | 3,134 | 143 | 2,643 | 132 | 2,572 | 14,805 | 2,555 | 15,694 | 35,626 | 68,679 |
| Mean Value |  | 2,045 | 171 | 2,032 | 189 | 2,042 | 21,179 | 2,033 | 22,782 | 48,037 | 94,031 |
| C.V. (\%) |  | 74 | 71 | 74 | 75 | 72 | 74 | 71 | 74 | 73 | 73 |
| Northern Region | Commercial Banks | 4,024 | 1,344 | 4,108 | 1,388 | 4,084 | 1,32,445 | 4,188 | 1,33,967 | 2,74,684 | 5,45,284 |
| North <br> Eastern Region |  | 672 | 41.5 | 785 | 50.9 | 762 | 4807.8 | 614 | 3606 | 9,790 | 18,818 |


| Western <br> Region |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central <br> Region | 3,522 | 649 | 3,298 | 629 | 3,240 | 56,573 | 3,423 | 55,108 | $1,18,343$ | $2,33,447$ |  |
| Southern <br> Region | 6,719 | 1,100 | 6,333 | 1,067 | 6,579 | $1,12,764$ | 6,455 | $1,15,740$ | $2,41,538$ | $4,76,497$ |  |
|  | 4,917 | 979 | 5,424 | 941 | 5,459 | 85,347 | 5,792 | 90,645 | $1,87,243$ | $3,69,027$ |  |
| Eastern <br> Region | 3,514 | 237 | 3,581 | 255 | 3,507 | 21,734 | 3,672 | 24,522 | 53,435 | $1,03,363$ |  |
| Mean <br> Value | 3894 | 725 | 3921 | 721 | 3938 | 68945 | 4024 | 70598 | 147505 | 291072 |  |
| C.V. (\%) |  | 51 | 70.3 | 49 | 70.3 | 50.9 | 73.1 | 51.1 | 73.1 | 71.3 | 71.7 |

Source: Compiled from Primary Data
Above Table 8 reveals that the Mean Value of number of Kisan Credit Card issued was highest by Commercial Banks i.e., 14,7505, followed by Co-operative Banks i.e., 53920 and 48037 by Regional Rural Banks. However, the variation was high in Regional Rural Banks i.e. $73 \%$ followed by Commercial Banks and Co-operative Banks $71.30 \%$ and $56 \%$ respectively. Table 8 reveals that the Mean Value of amount sanctioned on Kisan Credit Card issued was highest by Commercial Banks i.e., Rs. 291072 (in Bn), followed by Co-operative Banks i.e., Rs. 102772 (in Bn) and Rs. 94031 (in Bn) Regional Rural Banks respectively. However, the variation was high in Regional Rural Banks i.e., 73\%, followed by Commercial Banks and Cooperative Banks $71.70 \%$ and $56 \%$ respectively.

Thus, from the table above, it is observed that the proportion of Commercial Banks in terms of number of and amount sanctioned on Kisan Credit Card was the highest followed by Co- operative Banks and Regional Rural Banks with respect to Agency-Year-Region wise in India. So, from the above the alternate hypothesis, "There is a significant difference in growth of number of and amount Kisan Credit Card sanctioned with respect to agency-year-region wise in India, is accepted.

## CONCLUSION

The Kisan credit card scheme has shown growth during the period of study i.e., from 2017-18 to 2020-21 in terms of number of Cards issued and amount sanctioned on Kisan Credit Card. It is observed that there is sharp decline in number of cards but multi-fold increase in amount sanctioned on Kisan Credit Card. Among all KCC issuing agency, Commercial Banks found to be ahead than Cooperative Banks and Regional Rural Banks during the period of study in terms of number and amount sanctioned. The number of cards and amount sanctioned were very high in southern Region by Co-operative Banks and in Central Region by Region Rural Banks and Commercial Banks.

## REFERENCES

Bindage, A.B., Patel, R.R., Makani, R.M., Sante, P.R., \& Raut, V.P. (2014). Economic evaluation of Kisan credit card scheme for sugarcane crop in Kohlapur District of Maharashtra. Karnataka Journal of Agricultural Sciences, 27(3), 360-362.
Cherian, J., Gaikar, V., Paul, R., \& Pech, R. (2021). 'Corporate culture and its impact on employees’ attitude, performance, productivity, and behavior: An investigative analysis from selected organizations of the United Arab Emirates (UAE)'. Journal of Open Innovation: Technology, Market, and Complexity, 7, 45.
Cherian, J., Jacob, J., Qureshi, R., \& Gaikar, V. (2020). "Relationship between entry grades and attrition trends in the context of higher education: Implication for open innovation of education policy" MDPI, Switzerland. Journal of Open Innovation Technology, Market and Complexity, 6(4), 199. https://www.mdpi.com/21998531/6/4/199.

Gaikar, V., \& Lakhani, S.A. (2020). 'Demographic variables influencing financial investment of urban individuals: A case study of selected districts of Maharashtra State’. International Journal of Advanced Science and Technology (IJAST), 29(05), 962 - 974
Gaikar, V.B., \& Lakhani, S.A. (2019). 'Study of demographic variables on financial goal of urban individuals'. In International Journal of Research, 9(1), 24-34
Gaikar, V.B. (2014). "The success of poverty alleviation programmes in India: A Case Study of Thane district". In Humanities and Social Sciences Review, 163-176. (2014) by University Publications.net. A Consortium of American Refereed Publications, Central Connecticut State University, USA.
Gaikar, V.B. (2017). "An evaluation of agricultural marketing in India a study of national agricultural co-operative marketing federation of India Ltd. (NAFED)". 'International Journal of Multidisciplinary Research and Development', 4(5), 244-248.
Gaikar, V.B. (2015). 'An empirical study of Co-operatives in India: With reference to the Five-Year Plans'. The Business and management review, 5(4), 25-29
Gaikar, V.B., Joshi, B.M., Jaywant, B., Mhatre, N.S., Chitra, K., Cheriyan, S., \& Rane C.G. (2021). 'An impact of covid-19 on virtual learning: The innovative study on undergraduate students of Mumbai Metropolitan Region'. Academy of Strategic Management Journal, 20(2), 1-19
Gaikar, V., \& Lakhani, S.A. (2019). 'Demographic variables influencing financial investment of urban individuals: A case study of selected districts of Maharashtra state'. International Journal of Advanced Science and Technology, 29(5), 962-974 http://sersc.org/journals/index.php/IJAST/article/view/9749
Gandhimathi, S., \& Sumaiya, M. (2015). Role of kisan credit card system in the distribution of agricultural Credit in India. International Journal in Management and Social Science, 3(2), 464-472.
Godara, A.S., Sukuntla, S., \& Dhanju, K. (2014). Performance of kisan credit card scheme in haryana through regional rural and cooperative banks. Abhinav International Monthly Refereed Journal of Research in Management and Technology, 3(9), 47-54.
Laxyapati, E.T. (2013). An evaluation of kisan credit card scheme in India and Karnataka. A Case Study of Gulburaga District. Indian Streams Research Journal, 3(7), 1-4.
Mahavir, S.A. (2010). An economic evaluation of kisan credit card scheme in Belgaum district of Karnataka and in Sangli District of Maharashtra (Thesis, University of Agriculture Sciences, Dharwad). Retrieved from www.etd.uasd.edu/abst/th9995.pdf.
Maurya, H. (2015). Role of co-operative bank in agriculture: A case study of district Mohali, Punjab. International Journal of Scientific Research and management, 3(1), 1922-1930.
Mehta, D., Trivedi, H., \& Mehta, N.K. (2016). Indian kisan credit card scheme: An Analytical Study Brand. Broad research in Accounting, Negotiation and Distribution, 6(1), 23-27.
Olekar, Ramesh. O. (2012). Effectiveness of kisan credit card scheme in Karnataka State. International Journal of Research in Commerce \& Management, 2(7),104-109.
Parwate, P., Sharma, M.L., \& Maske M. (2012). A study on utilization pattern of Kisan Credit Card (KCC) among the farmers in Raipur district of Chhattisgarh. International journal of Agronomy and Plant Production, 3(2), 54-58.
Patil, R.D. (2014). Role of commercial banks in financial inclusion through kisan credit card scheme in India. International Journal of Multidisciplinary Educational Research, 3(5)(4), 31-46.
Patra, S., \& Sahu, K.K. (2012). An econometric study of determinants of credit under kisan credit card. International Journal of Arts and Commerce, 1(2), 100-113.
Rao, S.B., \& Bhalerao, M.M. (1981). Commercial bank finance and agricultural development. Indian Cooperative Review, 18(2), 171-179.
Sahu, G.B. (2004). Institutional finance for agriculture- analysis at macro and micro levels. (Working Paper No.178) Bangalore : Institute for social and economic change.
Sharma, A., Choudhary, S., \& Swarnakar, V.K. (2013). A study on impact of kisan credit card scheme among the beneficiary farmers in Sehore district of Madhya Pradesh. International Journal of Science and Research, 2(1), 154-157.
Shinde, S. (2013). Financial innovation in Indian agricultural credit market: Progress \& performance of kisan credit card. ASM's International E-Journal of Ongoing Research in Management and IT, 8(3), 1-6.
Thamilarasam, S. (2009). Impact of institutional credit on the employment, income, occupation and assets of the farmer borrowers: A case study. Indian Cooperative Review, 47(1), 12-16.
Uppal, R.K., \& Juneja, A. (2012). Kisan credit card scheme in India-issues and progress. Asian Journal of Research in Social Science and Humanities, 2(6), 17-26.
Gaikar, V., \& Cherian, J. (2020). 'An empirical study on impact of sustainability-oriented total quality management practices on organizational performance in UAE based organization'. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 10(3), 13667-13678.

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