

## Performance of Loan Repayment in Co-operative Bank at Raipur District of Chhattisgarh, India

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### ABSTRACT

#### Keywords

Correlation, repayment and Cooperative Bank.

#### Article Info

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The present investigation was carried out during 2005-06 in four randomly selected cooperative branches of District Central Cooperative Bank (DCCB) of Raipur district. Majority of respondents were regular in repayment of their loan. Correlation analysis between independent and dependent variables also reveals that socio-economic status and extension contact shows positively and highly significant and remaining variables exhibited non-significant relationship with loan repayment performance of respondents. Regarding the major constraints faced by them in loan repayment were low outcome of produce, non-reasonable price of agricultural produce, crop failure due to natural calamities etc.

### Introduction

Agricultural development is an integral part of our country. It involves constant changes in strategy, structure and procedures to achieve a higher level of development. The contribution made to our national growth comprises of several sectors. By and large, agriculture is being the backbone of the Indian economy will continue to remain a single sector contributing to the general prosperity of the nation. The present trend of agriculture is commercialized, which would require more investment. The Indian farmers in general and Chhattisgarh farmers in particular have small and little resources for which external credit are required for their operation.

In Chhattisgarh, most of the farmers approach to the District Central Cooperative Bank (DCCB) as and when they need credit. The DCCB is sponsored by the State Government and disburses loans to the farming community. The proper utilization and repayment performance of the borrowers help in mobilization of the bank loan for better circulation of money among the larger members. Thus, it becomes important to study the repayment performance of the farmers who had taken loan from the District Central Cooperative Bank. With this background an effort has been made and an investigation is carried out entitled "A study on cooperative

bank loan repayment performance of the farmers in Raipur district” with the following objectives:

To determine the relationship between independent and dependent variables.

To find out constraints faced by the respondents and suggestions to overcome them.

### Materials and Methods

The study was conducted in randomly selected co-operative bank branches namely Aarang, Abhanpur, Dharsiwa and Mandir Hasaud under District Central Co-operative Bank, Raipur. A random sample of 20 borrowers obtaining loan during the year 2003-04 from each of the four cooperative branches were selected, thus a total number of 80 borrowers were considered as respondents for this study.

The coefficient of correlation was used to find out the relationship between independent variable (*viz.* age, annual income, socio-economic status, and number of earners in the family, timely availability, utilization of loan, purpose of loan, type of loan, extension contact and source of information) with dependent variable (repayment performance of the respondents). It was calculated by using following formula suggested by Cochran (1967).

$$r = \frac{\sum xy - N(\bar{x}\bar{y})}{\sqrt{(\sum x^2 - N\bar{x}^2)(\sum y^2 - N\bar{y}^2)}}$$

Where,

r = Coefficient of correlation  
x = Score of independent variable  
y = Score of dependent variable  
N = Number of observation

### Results and Discussion

#### Relationship between independent variables and repayment performance

The correlation was computed to determine the relationship between repayment performance of the respondents and independent variables *viz.* age, annual income, socio-economic status, and number of earners in the family, timely availability, utilization of loan, purpose of loan, type of loan, extension contact and source of information. The results are presented in table 1.

A perusal of table 1 indicates that socio-economic status and extension contacts of respondents had positive and significant relationship (at 0.01 level of probability) with the repayment performance of respondents ( $r=0.283$ ).

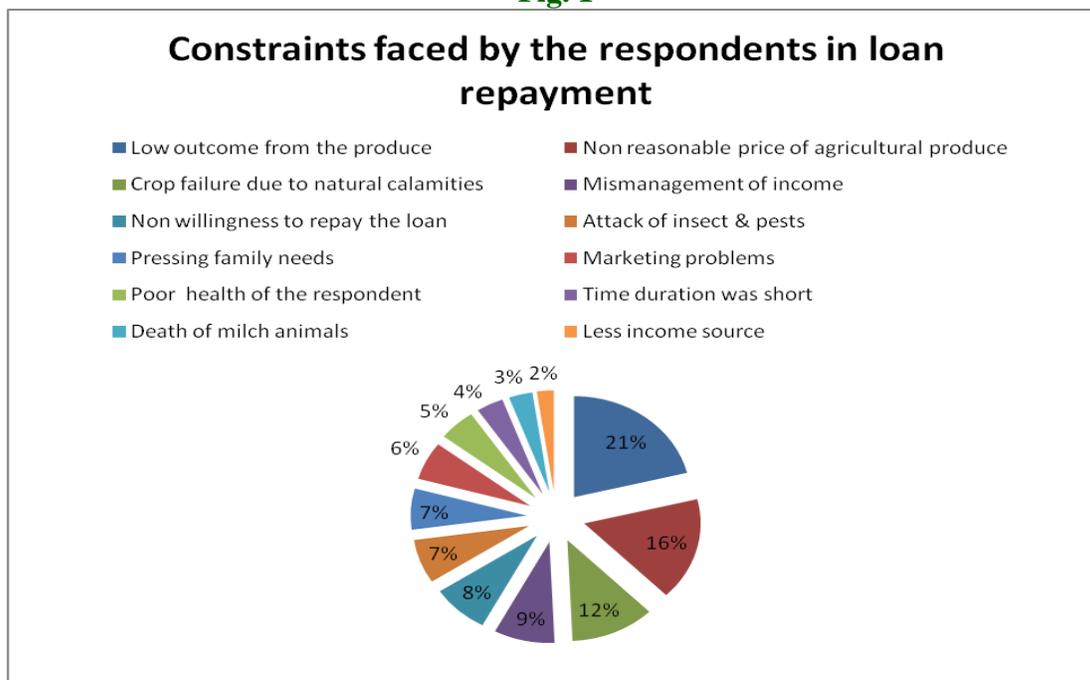
The findings of this study are in line with the findings of Rambabu *et al.*, (1991) and Lal (1999) who observed that socio-economic status had positive and significant relationship with the repayment behaviour of borrowers. Deshpande and Nandapurkar (1999) reported a positive and significant relationship between the land holding and repayment performance. Since socio-economic status included several important traits, *Viz.* education, landholding, occupation, social participation, farm power and material possession etc.

It was likely to influence the repayment behaviour on positive side. Therefore, respondents who are having higher education, more farm power, land holdings and material possession and higher personal contacts in social system, they would be better repayment performance. Yanger (2003) also found that socio-economic status had positive and significant relationship with loan repayment performance and age, timely availability, annual income and earner’s percentage were

non-significant. The study further reveals that age (r=0.041), annual Income (r=0.093), number of earners in the family (r=0.009), type of loan (r=-0.645), purpose of loan (r=-

0.197), utilisation of loan (r=0.101), timely availability of loan (r=0.091) and source of information (r=-0.019) are non-significant.

**Fig. 1**



**Table.1** Correlation analysis of independent variables with Loan repayment performance of the respondents

S. No.	Independent variables	Correlation coefficient
1.	Age	0.041 NS
2.	Annual income	0.093 NS
3.	socio-economic status	0.317 **
4.	Number of earners in the family	0.009 NS
5.	Type of loan	-0.645 NS
6.	Purpose of loan	-0.197 NS
7.	Utilization of loan	0.101 NS
8.	Timely availability of loan	0.091 NS
9.	Source of information	-0.019 NS
10.	Extension contact	0.537 **

\*\* Significant at 0.01 level of probability, NS = Non-Significant

**Table.2** Constraints faced by the respondents in loan repayment

n=54

S. No.	Reason	Frequency*	Per cent
1.	Low outcome from the produce	45	83.33
2.	Non reasonable price of agricultural produce	35	64.81
3.	Crop failure due to natural calamities	25	46.29
4.	Mismanagement of income	18	33.33
5.	Non willingness to repay the loan	17	31.48
6.	Attack of insect & pests	15	27.77
7.	Pressing family needs	14	25.92
8.	Marketing problems	13	24.07
9.	Poor health of the respondent	11	20.37
10.	Time duration was short	8	14.82
11.	Death of milch animals	7	12.96
12.	Less income source	5	9.26

\*Frequency based on multiple responses

**Constraints faced by the respondents in loan repayment**

The data were collected to find out the constraints faced by the respondents which affect the repayment of their loan. It was interesting to observe that those who were paying their loan regularly (32.50%) did not face any problem in repayment; remaining (67.50%) respondents reported multiple problems in repaying their loan as given in table 2 and figure 1.

It can be seen from the table that 83.33 per cent of the respondents said that the major constraints was low outcome from the produce. The second important constraint was non-reasonable price to agricultural produce as pointed out by 64.81 per cent respondents. Next constraints were natural calamities such as crop failure as expressed by 46.29 per cent of the respondents. The table further shows that mismanagement of income due to improper planning (33.33%), non-willingness to repay the loan (31.48%), attack of insect & pests (27.77%), pressing family needs (25.92%), marketing problems such as regulated marketing facilities are not available

in the area (24.07%), poor health of the respondents (20.37%), repayment period is short (14.82%), death of milch animals (12.96%) and less income sources (9.26%) constraints were reported by the respondents.

Based on the findings of this study it can be concluded that the respondents, who had higher scores on socio-economic status and timely availability of loan, were repaying their loan regularly.

It can be concluded that the constraints which are hampered to the repayment performance viz. low outcome from the produce, non-reasonable price of agricultural produce, crop failure due to natural calamities, mismanagement of income, pressing family needs, marketing problems, and time duration was short.

Major suggestions given by the respondents to improve their loan repayment performance viz., the rate of interest on loan should be reduced, duration and number of installment should be increased, timely and adequate loan to be provided, support price for agricultural produce should be increased etc.

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