

## Original Research Article

### Evaluating the magnitudes of finance availed by farmers from different financial agencies in the North-East Indian State of Tripura

#### Abstract

The current research was carried out in the West Tripura district of Tripura to examine the magnitude of agricultural financing availed by borrowers. A total of 120 farmers were chosen by implementing a multistage random sampling design to conduct a comprehensive analysis. Sector-wise advances of banks in West Tripura showed an increasing trend, and the percentage share to the agricultural sector was 34.27 %, whereas it was 65.72 % in the non-farm sector in 2020-21. The amount of loans availed by sample borrowers from Regional Rural Bank (42.88%) was the highest, followed by public sector banks (34.48%), cooperative banks (19.80%) and least from private sector banks (1.84%). Loans for both crop and allied activities were obtained by the beneficiaries from the selected bank branches of the district.

**Keywords:** Agricultural credit, Regional Rural Bank (RRB), Credit advances, Institutional lending agencies

**Comment [DMT1]:** Add more keywords like, finance, evaluation

#### INTRODUCTION

India's economy has long relied heavily on agriculture. It considerably raises the nation's GDP and employs a sizable workforce. Financial institutions are known to significantly impact the economy by gathering savings from individuals and directing them toward profitable economic ventures. Hence, the significance of financial institutions cannot be overstated in the growth of every industry, including agriculture. The development of agriculture appears to depend heavily on the banking sector, as a significant majority of farmers (80%) are considered small and marginal (Sini et al., 2014). These farmers often struggle to save and invest due to their limited income. The agricultural sector is of utmost importance to the country as it effectively serves the primary objectives of output, growth, poverty reduction, social justice, and equity. One of the primary impediments to agriculture's continued growth and diversification is the dearth of financial support from banks in the form of loans and advances within the region (Ray & Das, 2023).

Therefore, enhancing the credit flow toward the agricultural sector is necessary. However, the agricultural industry in India faces numerous difficulties, including low productivity, poor infrastructure, and limited access to financing. The growth of India's agricultural sector depends on having access to money (Adhikary et al., 2013; Kambale et al.,

2015). The government and other financial institutions have taken several actions to increase farmers' access to financing. For farmers to invest in farming endeavours, purchase inputs, and develop their enterprises, they must have access to loans. Increasing productivity, enhancing farming methods, and raising farmer income are all benefits of agricultural finance. Additionally, it promotes rural development and lowers poverty (Narayanan et al., 2016).

Through various laws and programs, the Indian government has promoted agricultural finance. A target for loan flow to the agriculture sector has been set by the Reserve Bank of India (RBI). The aim for agricultural credit disbursement for the fiscal year 2021–2022 is ₹16.5 lakh crore, an increase of 10% from the prior year's target. The government has also introduced a number of programs to increase farmers' access to finance, including the Kisan Credit Card (KCC) program, Interest Subvention Program, and Pradhan Mantri Fasal Bima Yojana (PMFBY).

Tripura is a hilly state in northeast India. The state houses many small and marginal farmers who face issues such as restricted access to capital and technology and inadequate infrastructure for storing and transporting their produce. Despite these hurdles, Tripura farmers have significantly enhanced their production and income, and such continuous agricultural growth demands significant financial support. However, one of the most significant hurdles to the continued development and expansion of agriculture in the state is a shortage of bank finance in the form of loans and advances (Ray et al., 2020). Although financial intermediation is widespread in Tripura, there is a lack of comprehensive research on the involvement of farmers in agricultural development through institutional financing. The present research investigated the extent of agricultural credit obtained by the farming population.

## METHODOLOGY

The study was carried out in Tripura's West Tripura district area. To create a sample, a multistage random sampling technique was used. With the assistance of the district's Lead Bank Manager, a list of farmers who have received bank loans from various financial institutions was created. The district had nine development blocks, and the farmers were scattered throughout each block in the three subdivisions. Based on the increased number of farmers who had obtained bank loans, one development block from each subdivision was selected for the in-depth research. Dukli, Old Agartala, and Mohanpur were the three

**Comment [DMT2]:** Rationale of the study must be incorporated.

**Comment [DMT3]:** Objectives of the study must be incorporated.

**Comment [DMT4]:** Incorporate the research design used for the study.

**Comment [DMT5]:** Elaborate why the specific sampling technique was used for the study.

development blocks ultimately decided upon. Maheshkhala and Bikramnagar from the Dukli block, Khayerpur and D.C. Para from the Old Agartala block, and Bijoynagar and Kalagachiya from the Mohanpur block were chosen at random as the two villages from each block. Due to time and budget limitations, twenty farmers from each village were finally chosen using a random sample procedure. The selected households were again divided into marginal, small, and medium households based on their operational holdings.

**List 1. Farm size and Operational holding capacity**

| Farm size | Operational holding (Ha) | No. of beneficiaries |
|-----------|--------------------------|----------------------|
| Marginal  | 0 - 1                    | 56                   |
| Small     | 1.01- 2                  | 38                   |
| Medium    | 2.01- 4                  | 26                   |

A properly designed and validated schedule was used to collect primary data from the sample households. Secondary data were acquired from the lead bank of the chosen district. The data was analysed and tallied independently for each farmer-size group. Finally, the data were analysed using tabular analysis.

**Comment [DMT6]:** Incorporate/elaborate the statistical technique used for data analysis.

**RESULTS AND DISCUSSION**

The overall performance of banks in agricultural lending in the West Tripura district during the 2016–17 fiscal year is displayed in Table 1. In the West Tripura district, the total targets for the public, private, cooperative, and RRB were set at ₹43974.28, Rs 196178, Rs 36534, and Rs 35018.23 lakhs, respectively. But compared to the goal, success was quite high. Except for private sector banks, the banks dispersed more agricultural loans than the aim. Private Sector Banks fell short of their (38%) target during the 2021-22 fiscal year. Excess disbursement of agricultural credit was found to be highest in the case of Regional Rural Bank (101%). It was followed by the district's Cooperative Bank (93%) and Public Sector Bank (70%) during 2016-17.

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**Table 1: Performance of Banks in relation to agricultural credit in Tripura during the year 2021-22**

| Banks              | Target   | Achievement | (Amount in lakh)           |
|--------------------|----------|-------------|----------------------------|
|                    |          |             | Achievement as % of target |
| Public Sector Bank | 43974.28 | 30927.64    | 70                         |

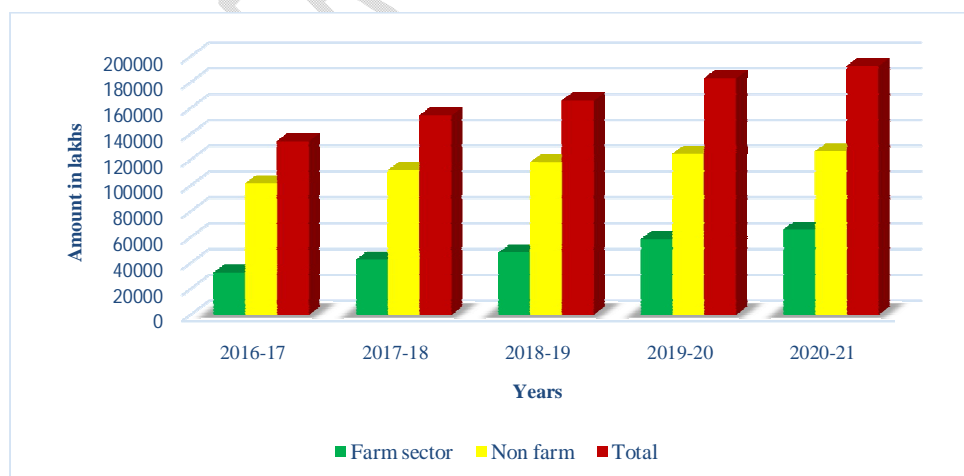
|                      |                 |                  |           |
|----------------------|-----------------|------------------|-----------|
| Private. Sector Bank | 196178.4        | 75076.29         | 38        |
| Regional Rural Bank  | 36534           | 36778.98         | 101       |
| Cooperative Bank     | 35018.23        | 32455.73         | 93        |
| <b>GRAND TOTAL</b>   | <b>311704.9</b> | <b>175238.64</b> | <b>56</b> |

**Source:** Reports of State Level Bankers Committee, Tripura

**Table 2: Sector-wise advances of banks in West Tripura district**

| Particulars  | Year                            |                                 |                               |                               |                               |
|--------------|---------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
|              | 2016-17                         | 2017-18                         | 2018-19                       | 2019-20                       | 2020-21                       |
| Farm sector  | 32696.03<br>(24.32)             | 42569.99<br>(27.57)             | 47985<br>(28.91)              | 58462<br>(31.93)              | 65987<br>(34.27)              |
| Non farm     | 101744.9<br>(75.68)             | 111818.9<br>(72.43)             | 117965<br>(71.08)             | 124587<br>(68.06)             | 126527<br>(65.72)             |
| <b>Total</b> | <b>134440.9</b><br><b>(100)</b> | <b>154388.9</b><br><b>(100)</b> | <b>165950</b><br><b>(100)</b> | <b>183049</b><br><b>(100)</b> | <b>192514</b><br><b>(100)</b> |

**Source:** Reports of State Level Bankers Committee, Tripura



**Fig. 1** Sector-wise advances of banks in West Tripura District

Additionally, it was noted that the agriculture sector's advance was substantially smaller than the non-farm sector's. The farm sector's percentage contribution to overall advances climbed from 24.32 per cent in 2016–17 to 34.27 per cent in 2021-22. On the other hand, the non-farm sector's share of total advances dropped from 75.68 percent in 2016–17 to 65.27 percent in 2021-22. Although both the agricultural and non-farm sectors saw increases in absolute values over time (Table 2 and Fig. 1), it was discovered that the non-farm sector's relative share of overall advances had decreased.

Table 1 shows the magnitude of farm finance availed by sample borrowers from different financial institutions. The total amount of farm finance availed by the beneficiary borrowers was observed to be ₹34,69,057, of which the beneficiary borrower farmers availed 42.88 percent from Regional Rural Bank, 34.48 percent from Public Sector banks, and 19.80 percent from Cooperative Banks. On the other hand, only 1.8 percent of farm finance was availed from Private Sector Banks. The percentage of medium farmers availing loans from Public Sector Banks, Private Sector Banks, Regional Rural Banks (RRB), and Cooperative Banks were 36.49, 4.20, 42.76 and 18.98 percent, respectively.

**Table 3. Magnitudes of farm finance availed by sample borrowers from different financial agencies**

(Amount in ₹)

| Size group of farmers | Total beneficiaries | Institutional lending agencies |                      |                     |                   | All banks        |
|-----------------------|---------------------|--------------------------------|----------------------|---------------------|-------------------|------------------|
|                       |                     | Public sector banks            | Private sector banks | Regional rural bank | Cooperative banks |                  |
| Marginal              | 56                  | 431347<br>(37.24)              | 41768<br>(3.61)      | 481937<br>(41.61)   | 203278<br>(17.55) | 1158330<br>(100) |
| Small                 | 38                  | 346096<br>(32.41)              | -                    | 474178<br>(44.40)   | 247747<br>(23.20) | 1068021<br>(100) |
| Medium                | 26                  | 453460<br>(36.49)              | 21989<br>(4.20)      | 531435<br>(42.76)   | 235822<br>(18.98) | 1242706<br>(100) |
| All groups            | 120                 | 1230903<br>(34.48)             | 63757<br>(1.84)      | 1487550<br>(42.88)  | 686847<br>(19.80) | 3469057<br>(100) |

**Figures in parentheses are percent of the total**

Regional Rural Bank was the major source of farm finance for all categories of borrower farmers. The amount of farm finance taken from Regional Rural Bank was ₹4,81,937, ₹4,74,178, and ₹5,31,435 for marginal, small, and medium-sized groups of farmers, respectively. In percentage terms, the amount of loan taken from Regional Rural banks was 41.61 percent for marginal farmers, 44.40 percent for small farmers and 42.76 percent for medium farmers. Public Sector Banks were the second most important source of farm finance. The percent of loan amount obtained from Public Sector Banks by the marginal, small and medium farmers were 37.24, 32.41 and 36.49 percent of the total finance, respectively. Cooperative Banks emerged as the third important source of farm finance for borrower farmers of all size groups. About 37.24, 32.41 and 38.49 percent of total farm finance was availed by marginal, small and medium farmers from the Cooperative banks. Private Sector Banks were the least important source of farm finance for all categories of borrower farmers. It was found that only marginal (3.61% of total farm finance) and medium farmers (4.20% of total farm finance) availed of finance from Private Sector Banks.

**Table 4. Per-farm magnitudes of farm finance availed by sample borrowers from different financial agencies (Amount in ₹)**

| Size group of farmers | Total beneficiaries | Institutional lending agencies |                      |                      |                   | All Banks |
|-----------------------|---------------------|--------------------------------|----------------------|----------------------|-------------------|-----------|
|                       |                     | Public sector banks            | Private sector banks | Regional rural banks | Cooperative banks |           |
| Marginal              | 56                  | 22702.47                       | 20884.00             | 20953.78             | 16939.83          | 20684.46  |
| Small                 | 38                  | 28841.33                       | -                    | 27892.82             | 27527.44          | 28105.82  |
| Medium                | 26                  | 45346.00                       | 21989.00             | 48312.27             | 58955.50          | 47796.38  |
| All groups            | 120                 | 30022.02                       | 21252.33             | 29167.65             | 27473.88          | 28908.81  |

Table 2 shows the per-farm magnitudes of farm finance availed by sample borrowers from different financial agencies. It is evident from the table that the amount of farm finance availed by an average farm was ₹28,908.81, which varied from ₹20,684.46 in the case of marginal farms to ₹47,796.38 in the case of medium farms. Among the different financial agencies, average farm finance per farm was found to be ₹30,022.02, ₹29,167.65, ₹27,473.88

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and ₹21,252.33 for Public Sector Banks, Regional Rural Banks, Cooperative Banks and Private Sector Banks, respectively. In the case of Public Sector Banks, farm finance per farm was as high as ₹45,346.00 in medium farms and as low as ₹22,702.47 in marginal farms. Similarly, in case of Regional Rural Banks, it varied from ₹20,953.78 in marginal farms to ₹48,312.27 in medium farms. In the case of Cooperative Banks, it ranged from ₹16,939.83 in marginal farms to ₹58,955.50 in medium farms. The amount of farm finance per farm from Private Sector Banks varied from ₹20,884.00 in marginal farms to ₹21,989.00 in medium farms.

Table 2 revealed that among beneficiary sample borrowers, around 42.50 percent of sample beneficiaries availed of crop and allied agricultural loans from Regional Rural Bank. The percentages of sample borrowers availing crop loan from Public Sector Bank and Cooperative Banks was found to be 34.17 and 20.83 percent, respectively. The least percentage (2.50%) of sample beneficiaries availed of loans from Private Sector Banks. The percentage of marginal farmers availing crop loans from Public Sector Banks, Private Sector Banks, Regional Rural Banks and Cooperative Banks were 33.93, 3.57, 41.07 and 21.43 percent, respectively.

No sample beneficiary farmers from a small group borrowed money from Private Sector Banks, but 31.58% borrowed from Public Sector Banks, 44.74% borrowed from Regional Rural Banks, and 23.68% borrowed from Cooperative Banks, according to the study. The percentage of medium farmers availing crop loans from Public Sector Banks, Private Sector Banks, Regional Rural Banks and Cooperative Banks was 38.46, 3.85, 42.30 and 15.38 percent, respectively.

**Table 5. Number of sample borrowers availing crop & allied agricultural loans from different financial agencies**

| Size<br>group of<br>farmers | Total<br>beneficiaries | Institutional lending agencies |                         |                         |                      |
|-----------------------------|------------------------|--------------------------------|-------------------------|-------------------------|----------------------|
|                             |                        | Public<br>sector banks         | Private sector<br>banks | Regional rural<br>banks | Cooperative<br>banks |
| Marginal                    | 56                     | 19                             | 2                       | 23                      | 12                   |
|                             | (100)                  | (33.93)                        | (3.57)                  | (41.07)                 | (21.43)              |
| Small                       | 38                     | 12                             | -                       | 17                      | 9                    |
|                             | (100)                  | (31.58)                        |                         | (44.74)                 | (23.68)              |

|                   |                      |                       |                     |                       |                       |
|-------------------|----------------------|-----------------------|---------------------|-----------------------|-----------------------|
| Medium            | 26<br>(100)          | 10<br>(38.46)         | 1<br>(3.85)         | 11<br>(42.30)         | 4<br>(15.38)          |
| <b>All groups</b> | <b>120<br/>(100)</b> | <b>41<br/>(34.17)</b> | <b>3<br/>(2.50)</b> | <b>51<br/>(42.50)</b> | <b>25<br/>(20.83)</b> |

Figures in parentheses indicate percent of total

### Conclusion

The amount of loan obtained by sample borrowers was largest from RRBs (42.88%), followed by public sector banks (34.48%), cooperative banks (19.80%), and private sector banks (1.84%). Amounts borrowed by medium farmers from Public Sector Banks, Private Sector Banks, Regional Rural Banks, and Cooperative Banks were 38.46, 3.85, 42.30, and 15.38 percent, respectively.

In order to draw in new borrowers and customers, a banking awareness program is required in rural areas. The bank should expand its services into unbanked areas to increase deposits that can be used to fund various agricultural and allied agricultural operations, which would ultimately raise the bank's C-D ratio. The bank should set separate microfinance and financial inclusion targets. And such steps would incentivise the poorer sections of society, aiding overall economic growth.

**Comment [DMT9]:** recommendations /implications of the study and not the conclusion.

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