# A REVIEW OF INDIAN MFIs MONETARY EXECUTION

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Abstract: Microfinance at first has been a type of willful assistance to most denied populace. Notwithstanding, today it addresses a market answer for relief of destitution and goes about as a turn of events and monetary device in achieving monetary consideration in India.

Microfinance has arisen as a reasonable choice to come to the until now unreached for their social and monetary strengthening through friendly and monetary intermediation. The establishments that are giving microfinance administrations, for example, reserve funds, credit, protection and settlement administrations to poor are called Microfinance Institutions (MFIs). The review points as dissecting the monetary presentation of MFIs in India. The information have been gathered from the Microfinance Information

Trade from the financial year 2012 to 2018. The measurable apparatuses, to be specific, Descriptive measurements and development rates have been utilized for dissecting the information. As far as by and large monetary execution, Indian MFIs has better ROE and OSS. Indian MFIs have displayed higher monetary income by resources, the yield on gross portfolio (ostensible) and lower working cost by resources, yet at the same time it couldn't cover the absolute cost and monetary costs. Truth be told, Indian MFIs have uncovered improved effectiveness and efficiency as estimated by working cost by credit portfolio, normal compensation by GNI per capita and advances per staff individuals.

Keywords: Financial Performance, Microfinance, MFIs.

# INTRODUCTION

Finance is a remarkable powerful apparatus in spreading monetary open door and battling against neediness. Admittance to back permits the poor to involve their rich gifts or open roads for more noteworthy open doors. Giving supported credit administrations is one of the necessary resources to expand pay and efficiency of poor. However the financial framework in India saw extraordinary development and

Accomplished marvelous effort, despite this, observational examinations during the 1980s have uncovered that an exceptionally enormous number of poorest of the unfortunate keep on excess external the scope of formal financial framework. It is understood that current financial strategies, methods and framework not have been appropriate to meet the credit needs of poor. What's more, it is in this present circumstance miniature money has come as an answer. Beginning with the Grameen bank established by Mohammed Yunus in 1970s microfinance addressed a technique for loaning that will be customized explicitly to the world's most unfortunate populace. Microfinance at first has been a type of intentional assistance to the most denied populace. Nonetheless, today it addresses a market answer for moderation of neediness and goes about as a Improvement and monetary device in achieving monetary consideration in India. The establishments that are giving microfinance administrations, for example, investment funds, credit, protection and settlement administrations to poor are called Microfinance Institutions (MFIs). MFIs have come up as an extension among banks and poor, whose main wellspring of credit has so far been the cash loan specialist.

# STATEMENT OF THE PROBLEM

India is a creating economy and neediness is a typical issue. It becomes basic to figure out unambiguous situational neediness lightening approaches and projects for age of least degree of pay for country unfortunate which structures significant level of public populace in creating social orders. Microfinance is a choice to determine this issue of needy individuals. The microfinance business in India began with casual Self Help Group (SHG) to get to the much - required reserve funds and credit administrations in the early 1980's and today it has developed into an energetic industry showing assortment of plan of action. To give microfinance and other help administrations MFIs ought to have the option to support for extensive stretch. To support tasks, MFIs should produce an adequate number of incomes from monetary administrations to cover their monetary and working expense and as a rule, construct institutional capital through benefit. Monetary execution turns into a watchword in the administration of MFIs. The current review is an endeavor to survey the monetary presentation of Microfinance Institutions working in India during financial year time frame 2012 to 2018.

# **OBJECTIVE OF THE STUDY**

The review centers on the Objectives:

• To concentrate on the monetary execution of MFIs in India

# SCOPE OF THE STUDY

The review is relating to microfinance organizations in India. The far reaching monetary execution markers model utilized by Microfinance Information Exchange (MIX) has been decided for the review. The factors, for example, institutional attributes, funding structure, outreach markers, generally monetary execution pointers, income and costs, effectiveness and chance and liquidity have been considered to break down the monetary execution. Full scale monetary markers are excluded from this review.

#### RESEARCH METHODOLOGY

Source of Data

The review is principally founded on optional information. The information has been gathered from Microfinance Information Exchange (MIX) i.e., www.mixmarket.org. The period embraced for the review is from financial year 2012 to 2018.

Sample and Sampling Design

The MFIs which have satisfied the exposure rules set somewhere near Consultative Group to Assist the Poor (CGAP), the worldwide assemblage of predominant contributors of MFI space, giving subtleties on all marks of monetary announcing is viewed as in this review. There are 122 MFIs in India which have revealed their monetary data to CGAP through MIX in the financial year 2018. The MFIs for which the monetary subtleties have been accounted for essentially for a long time persistently have been recognized. It is noticed that just 71 MFIs of which 46 MFIs in India have satisfied the prerequisite and every one of these MFIs are taken for the review.

Tools for Analysis

The accompanying measurable apparatuses have been utilized for examining the information: Descriptive measurements, specifically, Mean Standard deviation and Coefficient of Variation (CV percent). The development measures, for example, Annual Growth Rate (AGR), Linear Annual Growth Rate (LAGR) and Compounded Annual Growth Rate have been processed to concentrate on the pattern of proportions and generally speaking development of proportions during the review time frame.

• Limitations of the Study

The review is dependent upon the accompanying restrictions:

- The restrictions inborn in factual devices apply to this concentrate moreover.
- Non accessibility of ceaseless information from MIX for over five years has limited the period and number of MFIs in this review.

#### **REVIEW OF LITERATURE**

There is plenty of writing on execution of MFIs across globe, however just couple of studies have been done on the subject related with execution of Indian MFIs. The procedures to concentrate on monetary maintainability are additionally less. It is seen that without sound monetary execution the maintainability of these MFIs is unimaginable.

Reddy and Muhammad (2017) drew out the intriguing realities that new change in outlook and execution of Microfinance area and dissect the effect of financial technology (Fin Tech) on this area. They considered the arising patterns in Indian Microfinance and the effect of strategy changes, monetary innovation (Fintech) and banking inceptions. The Government of India and Central Bank (RBI) reaffirmed the part of Microfinance Institutions (MFIs) in monetary incorporation by presenting NBFC-MFIs rules, Priority Sector Lending (PSL), advancing MFIs as Business Correspondents (BC) of banks and dispatching of MUDRA bank because of its simple practicality and wide reach recipients across the country. As an after effect of the new development of the Indian government towards demonetization (eighth Nov-2016) and Andhra Pradesh Microfinance crisis of 2011, this area is dropping enormous assortments and experienced credit defaults because of the money crunch.

Harika and Ramakrishna (2017) in their paper endeavor to evaluate the status of microfinance in India as far as Saving Amount, Loan Amount and Outstanding Amount through pattern examination. To dissect the status of microfinance in India as far as above markers over the period 2010-11 to 2015-16, Compound Annual Growth Rates, Mean, Standard Deviation (SD), Coefficient of Variation (CV) and Instability Index were determined. The examination presumed that the SHG-BLM has arisen as a predominant model as far as number of borrowers and credits remarkable. Because of far reaching provincial bank office organization, the SHG-BLM is entirely reasonable to the Indian setting.

Santosh et al (2016) explored the edify focuses that in India microfinance works through two fundamental channels viz. a) SHG – Bank Linkage Program (SHG-BLP) b) Microfinance Institutions (MFIs). The Self-Help Group (SHG) Bank Linkage Program has during most recent twenty years covered more than 10.01 crore Indian helpless family units, making it the biggest network based microfinance program on the planet.

Tripathi Vivek Kumar (2014) referred to that the topographical stretch out of microfinance in India and dinged into the difficulties keeping it down. There are still around 200 million Indians who need admittance to appropriate credit. To ensure a reasonable financial extension it is basic that we develop our microfinance foundations and furthermore increment their amount and reach so poor people and oppressed in both country and metropolitan zones get opportunity to begin their own activities.

Michael Tucker and Gerard Miles (2003)1 through their concentrate on "Monetary execution of Microfinance Institutions - A correlation of execution of Regional business banks by geographic locales" has broke down and looked at the presentation of territorial business keeps money with MFIs. The review has dissected and thought about five monetary proportions from three unique classifications - the initial classification estimates the proficiency through working costs to resources proportion; the subsequent classification, checks benefit remembering returns for resources, return on value and net overall revenue and the last class zeroing in on influence, estimated through obligation to value proportion. The review has acquired the information of business

bank from FIS internet, covering four geographic districts: Africa (14 banks), Asia (61 banks), Eastern Europe (10 banks), and Latin America (72 banks), and 148 MFIs for the period 1999-2001. The investigation has discovered that there are 57 independent MFIs which are beneficial and in any event, performing better compared to creating world business banks in the example.

Abdul Qayyum and Ahmad M (2006)2, in their concentrate on "Proficiency and supportability of microfinance foundation in South Asian "has expected to distinguish the most productive/best practice MFIs in south Asian area. The review has assessed the effectiveness of 85MFI from south Asia shared as follows: 15 Pakistanis, 25 Indians, and 45 Bangladeshi MFIs. Information envelope examination has been utilized to dissect the proficiency of microfinance foundation in these chose South Asian nations. The presentation pointers taken for the review are effort, institutional qualities, supporting construction, in general monetary execution, proficiency and efficiency and hazard and liquidity. They have likewise found those 10 MFIs from Pakistan, 9 from Bangladesh and 9 MFIs from India are not reasonable. They additionally found from supportability marker that Indian MFIs are superior to Bangladeshi MFIs. The review has uncovered that most of failure of MFIs in Pakistan, India, and Bangladesh is chiefly of specialized nature and to work on their efficiencies, these MFIs have been welcome to uplift the administrative skill and to further develop the technology

.Sen Mitali (2008)3, in his concentrate on "Evaluating Social Performance of MFIs in India" analyzed the plan and viability of public strategy apparatuses connecting with the quickly creating miniature money establishments. The review has uncovered that even monetarily independent MFIs keep a high proportion of value to add up to resources. It has been found that the type of help for MFIs may essentially influence the presentation of these establishments and worth to society. The review has presumed that there are valid justifications to offer help for MFIs to a great extent as a result of an instructive benefit; the MFIs can be more proficient than either other productivity as they mature, fundamentally by bringing down their normal expense.

Pankaj K. Agarwal and S.K.Sinha (2010)4, in their concentrate on "Monetary execution of microfinance establishments of India: A cross-sectional review", has broke down and looked at the monetary presentation of MFIs fundamentally from a manageability viewpoint. The review has been directed during 2008 with an example of 22 MFIs which are five stars evaluated and information have been gathered from blend market. The monetary exhibition has been done in light of six boundaries, specifically, monetary construction, income, cost, effectiveness, efficiency and chance. The distinction of means test has been utilized to think about the exhibition of star entertainers. The review have reasoned that the greater part of the best performing firms were following different plan of action in India, this has been reflected in 13 out of 22 boundary considered.

Bayeh Asnakew Knide (2012)5, in this article on "Monetary manageability of microfinance establishments in Ethiopia" has pointed toward distinguishing factor influencing monetary supportability of MFIs in Ethiopia. The review has followed a quantitative examination approach utilizing a fair board informational collection of 126 perceptions from 14 MFIs over the period 2002 to 2010. The markers, in particular, monetary maintainability, appropriation and supportability, broadness of effort, profundity of effort, capital construction and productivity have been taken for examination. The information has been dissected utilizing illustrative measurements and econometric test. The investigation has discovered that microfinance expansiveness of effort, profundity of effort, reliance proportion and cost per acquiring has impacted the monetary maintainability of microfinance foundations in Ethiopia. The review has presumed that capital construction of miniature money organizations and staff efficiency fundamentally affects monetary maintainability of MFIs in Ethiopia for concentrate on period.

Zohra Bi, Ajita Poudelm Junaid Saraf (2013)6 in their paper named "Execution and Sustainability of MFIs in India" have meant to concentrate on the commitment and development of Indian microfinance framework, effort of Indian MFIs and working productivity and portfolio nature of Indian MFIs. The pointers, to be specific, outreach, portfolio size and working productivity have been utilized for investigation. They have featured that MFIs have been gathering in southern area of India and larger part of MFIs have been NBFC. The investigation additionally discovered that enormous NBFC MFIs have greatest effort because of their productivity and maintainability.

The survey of writing has uncovered that the maintainability of MFIs is preposterous without sound monetary execution.

# FINANCIAL PERFORMANCE OF MFIS IN INDIA

Monetary execution examination is the most common way of recognizing the monetary qualities and shortcomings of the firm by appropriately laying out the connection between the things in proclamations. It likewise helps in present moment and long haul anticipating. Developments can be related to the assistance of monetary execution investigation. Understanding the monetary execution assists with further developing benefit and supportability of MFIs. A MFI can find its monetary exhibition concerning proportions and pointers from its tasks and monetary position. Seven classifications of boundaries as laid out by MIX have been taken to evaluate the monetary presentation of MFIs. Every class of boundaries comprises of a few factors communicated as outright monetary worth as well as monetary proportions.

43 factors altogether under these boundaries have been considered as execution markers. The pattern and development example of these factors during the review time frame have been dissected in view of the mean worth.

# PROGRESS OF MFI OPERATIONS DURING 2020-21

The different microfinance industry players are extensively sorted into five kinds: NBFCMFIs, Banks, SFBs, NBFCs and Nonbenefit MFIs. These, with the exception of the Non-benefit MFIs, are controlled by RBI. The Non-benefit MFIs are for the most

part enrolled as Societies or Trusts, and are controlled by the individual Acts. As given in Table 2.8, contrasted with 2019-20 (141 loan specialists) there were 209 moneylenders during 2020-21 which included 87 NBFC-MFIs, 58 NBFCs, 39 Non-benefit MFIs, 17 Banks and 8 SFBs. The

#### Institutional Characteristics

Institutional qualities, specifically, workplaces, staff and resources of MFIs in India have been expanding at a higher rate during the review time frame however with a minimal lessening in the year 2011. This has shown that the MFIs in India have been displaying entering development. The coercive assortment rehearses and usurious financing cost embraced by MFIs constrained the Andhra Pradesh state Government to give a mandate which seriously restricted the activity of MFIs. This emergency in the year 2010 has made a pessimistic effect and dread about MFIs among the overall population has brought about the defeat of the quantity of workplaces, staff and resources in the year 2011.

MFIs supporting design incorporates long haul obligation and value. This monetary design is a combination that straightforwardly influences the gamble and worth of the MFIs. It is seen from the outcomes that however the MFIs in India have kept up with adequate the monetary influence during starting long stretches of study period, yet in 2011 the MFIs capital resource proportion has crossed the standard proposed by Sa-Dhan. Thus, the MFIs must be more productive in utilizing covering its costs and obligation obligations capital. It is seen from the GLP to add up to resources that the MFIs in India have expanded their assignment of the resources for its loaning action during the review time frame, which is viewed as the center action of MFIs. The supporting design of MFIs in India has been good during the review time frame.

# • Outreach Indicators

Outreach implies the quantity of clients served. The MFIs in India have had the option to arrive at additional clients and the responsibility of MFIs towards ladies strengthening, social government assistance and neediness easing has been genuinely high. It has additionally been evident that the neglected chief equilibrium on credit dispensed has been high during the review time frame, for which the MFIs in India ought to find successful ways to lessen the advance extraordinary. The gross advance portfolio has uncovered that the MFIs in India have conceded different kinds of credits to clients during the review time frame. The typical credits accessible for clients has expanded however the normal advance equilibrium per borrower/GNI per capita has diminished during the review time frame.

The typical remarkable equilibrium has included just credit sums that clients have not yet reimbursed, which has expanded during concentrate on period, though normal exceptional equilibrium/GNI per capita has diminished during concentrate on period. Thus the effort of Indian MFIs has been exceptional during the review time frame.

#### Overall Financial Performance

Manageability plays a deciding job in the quantity of microfinance clients came to and pace at which this pool of clients extends. To support tasks, MFIs should create sufficient income from monetary administrations to cover their monetary and working expenses and as a rule fabricate institutional capital through benefits. It is apparent from the table that ROA of MFIs in India has been underneath the norm as proposed by ACCION review i.e., more prominent than 3%. This has Shown that MFIs have not utilized their resources really to create gets back to accomplish higher benefit. ROE has shown a momentous increment during concentrate on period and has been more prominent than the standard proposed by ACCION review i.e., at a rate more prominent than 15%. This has shown the capacity of MFIs to produce pay from its center monetary action and prize investors' speculation. Indian MFIs beat with little value base. The OSS of MFIs in India has been kept up with at more than the standard proposed by SaDhan i.e., more prominent than 100%. This uncovers that the MFIs have procured adequate income to take care of the all out expense. The in general monetary presentation of MFIs has seen better days.

# Revenue and Expenses

Income is how much cash that a MFI really gets during a particular period viz., monetary income by resources, net revenue, yield on gross portfolio ostensible and yield on gross portfolio genuine. The higher the income better will be the presentation of MFIs. Cost is the cash spent or cost brought about by MFIs in endeavors to produce income, addressing the expense of carrying on with work. The lower the costs better will be the presentation of MFIs.

It is closed from the table that the MFIs in India can produce income from gross advance portfolio and speculation. However, the net revenue has demonstrated that the MFIs capacity to control cost has been poor. Indian MFIs can support even with this powerless overall revenue just with the assistance of endowments. High pace of interest required by Indian MFIs have empowered them to create more monetary income as uncovered by the yield on gross portfolio ostensible. The MFIs in India should focus to control the complete costs by resources, monetary cost by resources and arrangement for credit hindrance by resources as they have shown a rising pattern during the review time frame. Yet, the costs connected with tasks, for example, staff costs, lease and utilities, transportation, office supplies and devaluation have seen a diminishing pattern during the review time frame, which is a positive indication of development. Income and cost sign of MFIs have shown a blended pattern during the review time frame.

# Effectiveness

Effectiveness estimates the expense of offering the types of assistance to produce the income. It has been found from the outcome that the working cost by credit portfolio which is viewed as the best sign of the general effectiveness of a loaning establishment has been fewer than 20%, showing the regulatory proficiency of MFIs to be more prominent. The diminishing in staff cost by credit portfolio, normal compensation by GNI per capita, cost per borrower and cost per advance of MFIs in India during the review time frame have uncovered the higher productivity of Indian MFIs. It is likewise observed that the borrower's per staff part, borrowers per credit official, advances per staff part, advances per credit officials and work force designation proportion have expanded during

the review time frame this has shown the general efficiency of MFIs' faculty in overseeing clients is high. It tends to be reasoned that the effectiveness and efficiency of Indian MFIs have improved during the review time frame.

# • Risk and Liquidity

Chance and liquidity of MFIs has been estimated with the factors, specifically, Portfolio at Risk (PAR) > 30 days, PAR > 90days, and discount proportion, credit misfortune rate, risk inclusion and non-procuring fluid resources as a percent of complete resources. It has been found from the outcomes that the gamble and liquidity signs of MFIs in India have expanded during the review time frame.

Portfolio quality is a significant variable which mirrors the gamble of advance wrongdoing and it has been kept up with at suitable level by the MFIs in India. Sa-Dhan has suggested that the PAR ought to be under 10% and it is noticed both PAR > 30 days and PAR > 90 days have been kept up with at fitting level during the review time frame. The level of MFIs' advances that has been eliminated from the equilibrium of gross credit portfolio which is probably not going to be reimbursed has been high. Indian MFIs need to go to successful lengths to diminish the discount proportion, advance misfortune rate and to control stipend.

# SUMMARY OF FINDINGS AND SUGGESTIONS FINDINGS

- Indian MFIs are development arranged. Value holders will be keener on putting resources into Indian MFIs.
- MFIs allotment of resources for their loaning action is more prominent for India. The gross advance arrangement of Indian MFIs has represented more than 7% of the area's overall credit portfolio size.
- The development pace of number of dynamic borrowers of Indian MFIs is higher.
- The percent of ladies clients legitimizes the social responsibility of MFIs.
- Indian MFIs have arrived at the profundity of effort.
- Benefit as far as return on value is better for Indian MFIs.
- Monetary income by resources is high and Profit edge is feeble for Indian MFIs
- Indian MFIs are charging higher loan fee from borrowers.
- Monetary and complete costs are high for Indian MFIs.
- Arrangement for advance weakness and working costs as upheld by resources are low for Indian MFIs.
- Indian MFIs are more effective as addressed by working cost/advance portfolio, normal compensation/GNI per capita, credits per staff part and faculty designation proportion.
- Risk inclusion is high for Indian MFIs.

# **SUGGESTIONS**

- Government can go to lengths to give monetary Institutional status (status of Bank) in view of the reliable presentation of MFIs (to the people who quality the circumstances)
- RBI can set up administrative position to screen the presentation of microfinance Institutions. However the microfinance Institutions observe the standards and guidelines set by RBI, a different administrative authority would all the more effectively screen execution of MFIs. Comparative practice can be continued in those nations where the data accessibility is restricted.
- MFIs in India can become feasible through effective resource the board, cost administration and influence the executives bringing about vigorous development in Return on resources, Return on value and functional independence; Increasing gross credit portfolio to add up to resources, lesser pace of monetary cost to resource and working costs to resources; more prominent pace of monetary cost to resources. Influence the board can be successful with very much kept up with capital resource proportion and obligation value proportion inside the cutoff fixed by the peak bodies.

# **CONCLUSION**

Microfinance has been a significant device in destitution mitigation, strengthening of ladies and in achieving monetary consideration. India has the largest number of families, around 145 million, which are barred from banking framework. Additionally, out of 6 lakh towns in India, just roughly 50000 approach finance as on January 2011. Subsequently there exists an extraordinary chance for the microfinance area to give credit to the low pay populace, in this way, decreasing neediness and consequently in the improvement of country overall. Mechanical advancements, item necessities, and progressing endeavors to reinforce the limit of Indian MFIs are expected to decrease costs, increment effort and lift by and large productivity. Albeit the microfinance area has detailed an amazing development, adequate administrative and administration would assist with accomplishing the objective of destitution mitigation and monetary consideration and this could be accomplished with joined participation of banks, contributors' administration, NGO and different players in the country. In this manner, constant endeavors are expected to differentiate the wellsprings of subsidizing accessible for the MFIs to draw in unfamiliar Investment for deep rooted MFIs to serve the rustic low pay populace, reduce destitution and furthermore, make them productive.

# **REFERENCES**

- 1. Anand Rai and Kanwal Anil, "Monetary execution of microfinance organizations: Bank versus NBFC", International Journal of Management and Strategy (1JMS), Vol. 11, Issue II, 2018.
- 2. Abdul Qayyum and Ahmad M, "Proficiency and supportability of microfinance organization in South Asian", Pakistan Institute of Development Economics, 2006.
- 3. Bayeh Asnakew Knide, "Monetary maintainability of microfinance establishments in Ethiopia", European Journal of Business and Management, Vol.4, No. 15, 2012.

- 4. Frances Sinha, "Condition of microfinance in India 2009", Prepared for Institute of Microfinance, as a piece of undertaking on condition of microfinance in SAARC nations, 2009.
- 5. India Top 50 MFIs: A monetary mindfulness drive of CRISIL, CRISIL Ratings, October 2009.
- 6. Jivan Kumar Chowdhury, "Microfinance upheaval and microfinance administrations in Indian viewpoint", Banking Finance, Vol. XXI, No.6, June 2008, pp. 5-8.
- 7. K.Muralidhara Rao, "MFIs in India: An outline", NABARD, 2011, pp.57-66.
- 8. K.S.Thakur, Peyush Kant Sharma and Ravi Jain, "A complete investigation of microfinance in India with unique reference to Gwalior", Journal of Accounting and Finance, Vol.25, No. 2, April September 2011.
- 9. Microfinance in India: An emergency at the lower part of pyramid, Legatum Ventures, May 2011.
- 10. Microfinance industry in India, Lok Capital, March 2010.
- 11. Michael Tucker and Gerard Miles, "Monetary execution of Microfinance Institutions A correlation of execution of Regional Commercial banks by geographic locales", Journal of Microfinance, Vol. 6, No.1, 2003.
- 12. Pankaj.K.Agarwal and S.K.Sinha, "Monetary execution of microfinance establishments of India: A cross sectional review", Delhi Business Review, Vol.11, No.2, July-Dec 2010.
- 13. Prakash Singh, "Execution examination of Microfinance Institutions in India, what drives their valuation", Prajnan, Vol. XL, No.1, 2011, pp. 7 35.
- 14. PadmajaManoharan, RameshwariRamachandran, Nirmala Devi, "Microfinance organizations in India A concentrate on monetary execution", International Journal of Microfinance, Vol.1, No.1, 2011, pp.57-69.
- 15. Sen Mitali, "Evaluating social execution of MFIs in India", ICFAI Journal of Applied finance, Vol. 14, No: 86, 2008,pp. 77-86. 16 VithalRajan, "Killing the MFI Golden goose," Economic and Political week after week, Vol. XLV, No: 49, Dec 4 2010, pp. 79 80
- 17. Zohra Bi, Ajita Poudel Junaid Saraf, "Execution and Sustainability of MFIs in India", Tenth AIMS, International Conference on Management, January 6 9, 2013.