

VALUING WOMEN ENTREPRENEURSHIP IN THE INFORMAL ECONOMY IN BANGLADESH

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ABSTRACT

The study aims to address issues related to valuing women entrepreneurship in the informal economy in Bangladesh. To achieve the above objective, both qualitative and quantitative methods have been used. The author reviewed several articles, research reports, and included face to face in-depth interviews of fifteen entrepreneurs. Moreover, the applied five-point Likert scale questionnaire responded 100 random entrepreneurs from the rural areas of Bangladesh to recognize the barriers in accessing financial institutions and figure out how financial inclusions can contribute more in the informal economy. The results of this study suggest that complicated loans process, high-interest rates, absence of a life skills program, lack of financial freedom for women and property rights, entrepreneurial paradox, absence of collaterals, financial institutions negligence, mismanagement of loans, lack of interactions with local successful entrepreneur and imbalance of family and professional promise are the major barriers in accessing financial institutions in Bangladesh. In addition, financial inclusions are required to bring about changes in their lives. The results of the study will help Bangladesh and other developing countries break down the barriers for women entrepreneurs and develop the business opportunities created by women. In this regard, future research will anticipate both urban and rural areas, with a larger sample and quantitative studies will be conducted.

Keywords:

collaterals, entrepreneurship, financial inclusion, informal economy, rural.

JEL: C54, E26, F43, O11, P52

INTRODUCTION

An inclusive financial system is important because it is recognized in development policy and priority all over the world. It helps well-organized allocation of productive resources and offers suitable financial services and can support slow the growth of informal sources of credit (Sarma, 2012). Access to finance has recognized to be the biggest impediment for small and medium-sized enterprises (SMEs) worldwide (Ghosh et al. 2017; Bamfo and Asiedu-Appiah 2012; Lader 1996). Small businesses, particularly in developing countries, have limited access to capital markets, in part due to the perceived higher agency costs for small businesses (Mohanty 2009; Biekpe 2004)

In addition, small businesses help to provide jobs, reduce migration from rural-urban country to city, and ensure efficient use of resources (Collingridge, 2013). Low education prevents women from paid employment in the formal sector, but as active agents with the intention of changing their situation, these women become innovative and start small businesses, including small ones. By businesses, to generate income (Poku, 2019; Momsen 2010). The Global Entrepreneurship Monitor (GEM) (2010) and Kelley et al. (2011) indicate that growing the figure of women micro-entrepreneurs involved in opening new businesses and expanding current businesses which is crucial for a country's long-term economic growth. Technological advancement in communication influences rural life along with urban life and people becoming internet service dependent and tech-savvy, the growth of internet banking keeps positive contributions (Mukit & Islam, 2018). Now the time for trade, commerce, and all stakeholders should come forward to work for financial inclusions and mitigating the losses and costs, as low as possible (Islam & Mukit, 2019).

It is identified in previous research that obtaining loans with a lower interest rate is an easy process that could accelerate the economic development of the rural areas where many female entrepreneurs could launch their SMEs and run them far more easily and efficiently. Several studies have conducted in different geographical locations, but very few research-led on financial inclusions and rural women's entrepreneurs' constraints. Particularly, this study emphasizes financial obstacles cases and the way how women become powerful human capital can as financially. Financial inclusion increases risky behavior. If stakeholders have a trustworthy place to keep money and easy access to get a loan, they easily tackle the unwanted risk. To understand the financial resilience of people around the world, we need a country-specific data set to analyze the most important integrated factors under the local circumstances.

1. LITERATURE REVIEW

1.1. FINANCIAL INCLUSION STATUS IN BANGLADESH

In simple terms, financial inclusion is the access and use of formal financial services by households and businesses institution. Policy-makers consider it to be an approach to improve people's income, minimize poverty, and drive economic progress (IMF, 2015). Financial inclusion consideration can also be interpreted as having to access to and utilizing financial services that meet the needs of the user (BIS, 2015).

Proactive regulatory policies and developed financial literacy proficiency are the primary drivers for the positive effect of financial inclusion in Bangladesh. Exact data dependent on household-level data show that the force of financial proficiency in Bangladesh is moderate and positively affects comprehensive financing. These results certify more importance on increasing financial literacy for access to finance and informed investment decisions (Khalily, 2016).

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Examined financial inclusion and its role in Bangladesh and concluded that the geographical and demographic spread of banking services plays an important role in financial inclusion. Rahman (2009) presented the financial inclusion in terms of the number of bank accounts, MFI members, cooperatives, and the ratio of the adult population. This study reveals major weaknesses and suggests the necessary steps for better financial inclusion in Bangladesh.

However, in societies with low financial inclusion, many people experience financial difficulties due to the unavailability of financial services. We know that more than 2.5 billion people worldwide are denied access to financial services (GPFI, 2011), which means that around 30% of the world's population is financially excluded and has financial stability problems.

In Bangladesh, access to all kinds of savings exceeds 70% in the administrative areas of the country: Khulna, Barisal, Rangpur, and Rajshahi. However, the rates for families accessing a bank savings account are the highest in Sylhet and Khulna, and other departments do not have significant access rates to a bank savings account. New concepts have been introduced in Bangladesh's financial sector in recent years, with ATMs, credit cards, debit cards, mobile banking, and ten Taka (Bangladeshi Currency) (\$ 0.12) accounts being used more and more. Among these services, mobile banking has seen a surge in popularity. The customer does not have to go to a bank branch and transactions can be made from their own mobile bank account or from someone else's bank account. Therefore, it is convenient for poor and wealthy customers (Khalily M. A., 2014).

1.2. SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) IN BANGLADESH

The Asian Development Bank revealed in 2016 that Bangladesh is one of the most significant countries in the world, with 99% of business organizations being SMEs (ADB, 2016). Notwithstanding, the figure of SMEs in Bangladesh has expanded each year and there are currently more than 79 million SMEs in Bangladesh. The financial capital of SMEs and the number of workers in Bangladesh vary from those in Table 1.

Table 1. The financial capital of SMEs and worker in Bangladesh

[1.] Size of Enterprise	[1.] Industry	[1.] Required Capital (USD \$)	[1.] Number of Workers
[1.] Small	[1.] Manufacturing Service	[1.] 88,384.50 USD to 1,76,769.0 USD	[1.] 31 to 20
		[1.] 1,76,769 USD to 6,48,1530.00 USD	[1.] 16 to 50
[1.] Medium		[1.] 2,35,692.00 USD to 41,24,610.00 USD	[1.] 121 to 300 but for labor intensive industries not more than 1,00051

Source: National Industrial Policy (2016) as cited in (Abdin, 2017)

According to the Bangladesh Bank (2018) and the World Bank (2019) suggests, Bangladesh's future prosperity, taking into account small and medium-sized enterprises (SMEs), is therefore particularly important for women entrepreneurs, as they are supported by various interest groups such as governments and financial institutions. However, women entrepreneurs face many obstacles identified in some previous studies, and these are discussed in the next section.

1.3. WOMEN ENTREPRENEURS FACES CONSTRAIN

Research conducted by (Jahed, Kulsum, & Akhtar, 2011), also found that women entrepreneurs in Bangladesh face various problems, such as gender issues, lack of institutional support, lack of financial and social capital support, etc. Recent research has also revealed that women who participate as entrepreneurs are not welcome in many rural and urban areas (Afrin, Islam, & Ahmed, 2010). As indicated by Riyad et al. (2010), infrastructure is one of the main obstacles for entrepreneurs in Bangladesh to start and continue the business. This is likewise demonstrated in recent research by Ghosh et al. (2017) affirmed.

In addition, Nawaz (2012) and Ghosh et al. (2017) have implemented complex institutional lending processes as another barrier for women entrepreneurs. They found that loaning processes in banks and other financial organizations were structured so that women entrepreneurs did not have easier access to finance. In this regard, lack of professionalism, poor training, and lack of security knowledge among bank managers have been identified as deterrents for women entrepreneurs to acquire credit (Nawaz, (2012)). Furthermore, the lack of marketing opportunities, the lack of raw materials, insufficient knowledge and experience, difficulties in account management, precarious movements, male-dominated social structures, delays in the process of Credit, high-interest rates, and harassment of law enforcement are also barriers for women and even other entrepreneurs in Bangladesh (Chowdhury, 2013, cited in Ghosh et al., 2017).

Lack of access to institutional finance, the consumer market for SME products, and unavailability of a formal entrepreneurship development program in Bangladesh. It's considering SMEs are the main obstacle to new business and existing company's market growth (Chowdhury et al. (2013)). The Dhaka Chamber of Commerce and Industry (DCCI) recorded the demand side (lack of security, limited business experience, and information, etc.) and supply (terms and conditions, lack of access to start-up financing, availability of funds for) in its working document on the economic policy of 2004. Banks, etc.) As problems of access to financing for SMEs in Bangladesh.

For SMEs, the Registering process is complicated in the respective agencies is another obstacle for men and women to obtain loan. Financial organization's first requirement, it has to be registered SMEs. In addition, Ghosh et al. (2017) recognized that the lack of business plans, the small size of the business, and the smaller start-up capital creates a negative impression on bank managers whether women entrepreneurs would continue to do business or not. Rahman et al. (2013) similarly found that the loan process in banks was not flexible and direct for new or existing entrepreneurs, especially women entrepreneurs, which additionally makes hurdles to gaining credit from banks. This is largely similar to the perspective of emerging countries around the world (Esayas and Tolossa, 2015).

Table 2. Several authors study, methods & outcomes

Sl.	Authors	Title	Objective	Study Area	Result
1	Warnecke et al., 2012	Female Entrepreneurship in China: Opportunity or Necessity-Based?	This paper examines that different classes of entrepreneur's faces various hindrances and that women need aid to limit gender gap in entrepreneurship.	Concentrated on policies and experiment has given two arrangement destinations: to reduce need-based entrepreneurship and to promote opportunity-based entrepreneurship. Method: Qualitative	Approaches must be carefully executed, open doors based business enterprise extended, ladies' privileges ensured and sex fairness built up for financial turn of events.
2	Makena et al., 2014	Challenging and facing women entrepreneurs in accessing business finance in Kenya: case of Ruiru Township, Kiambu Country	Distinguish the effect of social standards, family responsibilities, gender-discriminating factors, lacking data, and breaking point the security for access to credit.	The device was utilized to explain complex choices among qualitative and quantitative data, while keeping up the fulfillment, precision and consistency of the instruments. In this study, frequencies, rates, and chi-square techniques were applied. Method: Quantitative; Population size: 1443	Financial institutions need to provide a special package and invest in the education sector to change the negativity and to build trust first, which helps to recognize and strengthen the business. Marital status is another disadvantage of being an entrepreneur.
3	Hussain et al., 2019	Does financial inclusion increase financial resilience? Evidence from Bangladesh	This study explores the impact of financial inclusion on financial resilience in Bangladesh	In this work, two known statistical techniques, the chi-square test, multiple binary logistics model developed and logistic regression analysis, were used to test the hypotheses. The chi-square test is used to consider the financial resilience variable as a four- and two-step factor. These two tests show univariate and multivariate relationships between the factors considered for financial resilience. Method: Quantitative Interview Size: 1000	This study strongly expect that numerous hindrances can be removed by presenting better strategies. There is a significant relationship between gender and financial resilience when men enjoy better financial resilience than women. These results are useful for policy ways to improve financial inclusion through targeted programming for rural areas, low-income, female-headed households and poorly educated people.
4	Islam and Jantan, 2017	The Glass Ceiling: Career Barriers for Female Employees in the Ready Made Garments (RMG) Industry of Bangladesh	The study aims to identify the problems with the glass ceiling and the career obstacles for female employees in accessing management positions in Readymade Garments (RMG) organizations in Bangladesh.	The researchers chose a qualitative approach for this exploratory study based on semi-structured interviews with 10 employees from 5 clothing factories in Dhaka. Method: Qualitative Interview Size: 10	This paper suggested to the organizations higher authority and govt. officials to set rules and regulations for the advancement of female into the leadership positions. Additionally, significant improvement has seen amidst the partners and family which imbue to take leadership roles in the workplaces.
5	Ghosh et al., (2017)	Factors hindering women entrepreneurs' access to institutional finance-an empirical study. <i>Journal of Small Business & Entrepreneurship.</i>	This study showed that collateral disputes and lengthy processes, mistrust, prejudice and conservative attitudes among employees, as well as the complexity of loan processing, restrict women entrepreneurs' access to institutional finance.	This study is an empirical study based on primary data. Quantitative and qualitative approaches have been used here. The reliability test, Kaiser Meyer-Olkin (KMO) and Bartlett's sphericity test were performed to test our data set. Method: Quantitative & Qualitative have been conducted to test our data set.	Finally, found collateral disputes and lengthy loan payments, conservative attitudes, and distrust Financial institution prejudice and the complexity of loan processing are key problems for women entrepreneurs to receive financial support from financial institutions.
6	Nawaz (2012)	Problems of Woman Entrepreneurship Development in Bangladesh: A Case Study of	Both primary and secondary data used for this study analysis. The study highlights the complicated credit processing system, small	Semi-structured in-depth interview of employees and borrowers. The focus group discussion (FGD) considered beneficiary for both participants for qualitative	The credit sanctioning process requires some changes, increases the workforce, and provides logistical support and needs-based training. In addition,

		RAKUB.	amount of capital and high interest expenses, which pose a social and economic challenge for stakeholders.	research. Each group consisted of 6-10 participants. Method: Qualitative	the sale of the loan must be facilitated within the time limit.
7	Chowdhury et al., 2013	Success Factors of Entrepreneurs of Small and Medium Sized Enterprises: Evidence from Bangladesh.	Environmental factors and demographic characteristics have considered the main obstacle to the success of SMEs in Bangladesh.	For analysis of data, descriptive statistics, correlation and regression analyzes, validity and reliability of the instrument test and the widely used bivariate correlation technique by Pearson R. Method: Quantitative Size: 80	A new entrepreneurial class has emerged in the country, The challenge of working in a competitive, complex economic and business environment. A favorable political and economic climate is a prerequisite for the development of a company in a country in the world.
8	Chowdhury, Alam, & Arif, 2013	Factors affecting access to finance of small and medium enterprises (SMEs) of Bangladesh.	This study looks at the problems that are preventing SMEs in Bangladesh from raising funds from financial institutions.	A five point Likert scale was used to measure that Variables and questioned the sample populations. Method: Qualitative Size: 86	The high interest rate, the lack of security of the collateral, the short reimbursement deadlines, the extensive bureaucratic procedure and corruption by bank officials are some of the biggest hurdles that SMEs face in the context of this study when it comes to lending. This implies the easy accessibility of loans by SMEs will encourage further development and extension of the business.
9	Abubakar, 2015	Entrepreneurship development and financial literacy in Africa. World Journal of Entrepreneurship.	The research exam relates to financial literacy, which affects household behavior and the gender gap in relation to financial decisions in financial literacy and impact on society for entrepreneurship in Africa.	The surveys focused on areas such as a lack of awareness of certain basic financial products, financial literacy, and the need to improve financial access or increase business productivity. They also recognize the vulnerable populations and Prioritize supply side failures. Method: Quantitative & Qualitative	The surveys focused on areas such as a lack of awareness of certain basic financial products, financial literacy, and the need to improve financial access or increase business productivity, moreover, recognize the vulnerable populations and Prioritize supply side failures.
10	Rahman et al., (2013)	The Role of Banks in Promoting Women Entrepreneurship in Bangladesh. Dhaka: BB-BARD.	This survey shows the gender differences in various issues such as appropriateness of the loan amount, interest rate, formalities for loan processing and microfinance to eradicate poverty.	Descriptive and inferential statistical tools applied such as the mean, the standard deviation (SD), the mode, the independent t-test, the chi-square test and the ordered logistic regression. Method: Quantitative & Qualitative Size: 100	Women are less successful in terms of gender bias and microfinance. Microfinance is still involved in debates and biases, and this is a more motivating factor. Such as mortgage free loan, the appropriate rate system, less formalities for taking out loans, etc.
11	Esayas & Tolossa, 2015	Women's Economic Empowerment, Obstacles for Success: Experiences from Southern Ethiopia.	How microfinance has empowered women, participation in the program in southern Ethiopia has only influenced a few factors in the credit assessment.	In this report, cross-sectional design was used to obtain quantitative data from women benefiting from microfinance. Method: Qualitative & Quantitative Size: 100	Institutional factors, bureaucracy, are one of the main reasons for influencing the participation of women in the micro-finance program in the study area. An incorporated evidence-based program is assigned to stakeholders and has a social and financial impact on the empowerment of women.

Source: Author Adopted

Nevertheless, Bangladesh has changed in terms of economic growth and development in recent years. It is therefore important to conduct an exploratory study to identify how rural women entrepreneur facing obstacles to obtaining credit and other types of financial support from financial institutions, especially banks.

1.4. RESEARCH QUESTIONS

- a) Why women are lag behind in the informal economy?
- b) How traditional banking constraints against flourishing women and the informal economy in rural Bangladesh?
- c) How banking collaterals and instruments are the main complications to falling behind in the informal economy in rural Bangladesh?
- d) What are the key indicators entangled in suppressing rural women's development and financial equality in Bangladesh?

2. RESEARCH DESIGN, DATA COLLECTION & METHODOLOGY

Demographic characteristics of the respondents: In this survey 100 respondents, 60% were female and 40% male. This selection was made deliberately to determine the views of male entrepreneurs on the restrictions on access to funds to manage their businesses compared to their female counterparts. In terms of age distribution, no particular age group was used to select both small and female entrepreneurs. The inquiry revealed that the majority (90%) of the women participants received their primary investment from parents, mainly from their husbands or partners. Indeed, the majority of these women have been rejected by traditional banks as well as by microfinance institutions (MFIs) for lack of guarantees to access credit. Most men (45%) received their start-up capital for their companies from microfinance institutions (MFIs).

Table 3. The demographic characteristics of participants

Demographic Profile of Respondants Survey				
Variables	Female N%	Male N%	Total N%	
Sex	60 (60.0)	40(40.0)	100 (100.0)	
Age (in Years)	20-30	8 (13.33)	4 (10.0)	12(12.0)
	31-40	20(33.33)	6(15.0)	26(26.0)
	41-50	14(23.33)	16(40.0)	30(30.0)
	51-60	6(10.00)	12(30.0)	18(18.0)
	60+	12(20.00)	2(5.0)	14(14.0)
	Total	60	40	100(100.0)
Level of Education	un schooled	16 (26.67)	6 (15.0)	22 (22.0)
	Basic Education	18 (30.0)	14 (35.0)	32 (32.0)
	Secondary Education	12 (20.0)	10 (25.0)	22 (22.0)
	Tertiary Education	4 (6.67)	5 (12.5)	9 (9.0)
	Non-formal	10 (16.67)	5 (12.5)	15 (15.0)
Marital Status	Married	19 (31.67)	23 (57.5)	
	Single	15 (25.0)	5 (12.5)	
	Divorced	21 (35.0)	3(20.0)	
	Widowed	5(8.33)	4 (10.0)	
	Total	60	40	
Dependent Status	Yes	49 (81.67)	22(55.0)	
	No	11(18.33)	18(45.0)	
	Total	60	40	
Number of Dependent	1	4 (7.41)	8 (12.69)	
	2	12(22.22)	12(19.04)	
	3	17(31.48)	17 (26.98)	
	4	11(20.37)	15 (23.81)	
	5	7(12.96)	5 (7.94)	
	6	3(5.55)	6(9.5)	

Source: Author Adopted field survey, Jan-March, 2020

This demographic characteristics of participants will help for our study significantly.

Table 4. Initial capital investment collected for SME business in Bangladesh

Sources	Female N%	Male N%	Total N%
Relatives	31 (51.67)	11 (27.5)	42 (42.0)
Friends	8(13.33)	5 (12.5)	13 (.23)
Bank	7 (11.67)	9 (22.5)	16 (16.0)
Financial Instituions	6 (10.0)	7 (17.5)	13 (13.0)
NGO/INGO	8 (13.33)	8 (20.0)	16 (16.0)
Total	60	40	100

Source: Author adopted, field survey, Jan-March, 2020

In this research study employed primary data. In order to achieve our research objective, a mixed research design considered where the quantitative and qualitative methods applied. This study is divided into two parts. Firstly, data were collected and analyzed from women entrepreneurs based on a quantitative approach to detect factors that prevent them from raising funds from commercial banks. Secondly, the qualitative approach has been applied to find factors that commercial bank officials limit to grant loans to women entrepreneurs. Survey respondents were selected on the basis of sample suitability because they offered respondents the flexibility of diversity to capture different aspects of the problems related to hurdles to credit freezing and additional procedures by financial organizations. In addition, the choice of the sample suitability was connected to the context that the researcher anticipated to survey the experience of women entrepreneurs who have real knowledge of credit and financial organizations. The main selection criterion was to have managed an SME for one year and to have applied for loans from banks, micro-credit organizations, or NGOs. Initially, one year considered as a standard for defining that applicants had wide-ranging knowledge about financial organizations. Respondents include two of the broiler farms; three of the cosmetic stores; two from goat farming; and three vegetable farms.

When designing a structured questionnaire, intensive documentary research, and an initial face to face pilot survey we get 15 respondents effective and complete response to accomplish our survey. The questionnaire contained 20 closed variables to identify the factors that hamper the access of women entrepreneurs to institutional financing. In order to quantify the opinion of women entrepreneurs, a five-point Likert-scale was used for the last fifteen variables: 1 = strongly disagree, 2 = disagree, 3 = neutral, agree= 4, and strongly agree=5. Hundreds of women entrepreneurs from different parts of the country were selected for our data collection. Throughout the sampling process, we separated the whole country into four segments, such as- Southeast, Southwest, Northeast, and Northwest of Bangladesh, and from each part to guarantee illustration in every part of the country. A series of individual interviews were carried out with the designated women entrepreneurs. To examine our collected data, descriptive statistical tools (i.e. mean, standard deviation) were first used to show the relative importance of the variables. Quantitative discussions will be discussed in next.

3. RESULTS AND DISCUSSIONS

Table 5. Descriptive Statistics

Descriptive Statistics					
Constrains	Mean	Std. Deviation	Std. Error	Skewness	Kurtosis
Complex Loan	1.5	0.595	0.059	0.735	-0.41
Initial Capital Collection	1.33	0.514	0.051	1.184	0.335
Business Experience	1.47	0.577	0.058	0.764	-0.395
Initial Training	1.46	0.558	0.056	0.694	-0.569
Legal Document	1.49	0.502	0.05	0.041	-2.04
High Interest	1.34	0.572	0.057	1.483	1.252
Guarantor Problem	1.28	0.473	0.047	1.284	0.374
Family Obstacle	1.62	0.546	0.055	0.075	-0.913
Saving Condition	1.42	0.554	0.055	0.87	-0.278

In this descriptive statistics represents the overall details of regarding women entrepreneurs in financial constraints. Whereas, complex loan trends, family obstacles, business experience, legal documents, guarantor problem, and interest rates prioritized in our study.

Table 6. Reliability Statistics

Reliability Statistics		
Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
0.912	0.912	9

In the reliability statistics Cronbach's Alpha is 0.912.

Table 7. KMO and Bartlett's Test

KMO and Bartlett's Test		
Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		0.758
Bartlett's Test of Sphericity	Approx. Chi-Square	393.499
	df	36
	Sig.	0

In our study, we applied the Kaiser-Meyer-Olkin Measure of Sampling Adequacy (KMO) and Bartlett's Test how adequate our sampling measurement and we found positive relevance and very satisfactory result. Usually $0 < \text{KMO} < 1$. And if $\text{KMO} > 0.5$, the sample was considered adequate. Here $\text{KMO} = 0.758$, which indicates that the sample is adequate and we can proceed with the factor analysis. The approx. Chi-Square is 393.499 with 36 degrees of freedom. Here, with a significance level of 95%, $\alpha = 0.05$. The p-value (Sig.) is $.000 < 0.05$, so the factor analysis is valid.

Table 8. Communalities

Communalities		
	Initial	Extraction
Complex Loan	1	0.693
Initial Capital Collection	1	0.678
Business Experience	1	0.782
Initial Training	1	0.607
Legal Document	1	0.846
High Interest	1	0.712
Guarantor Problem	1	0.829
Family Obstacle	1	0.813
Saving Condition	1	0.557

Extraction Method: Principal Component Analysis.

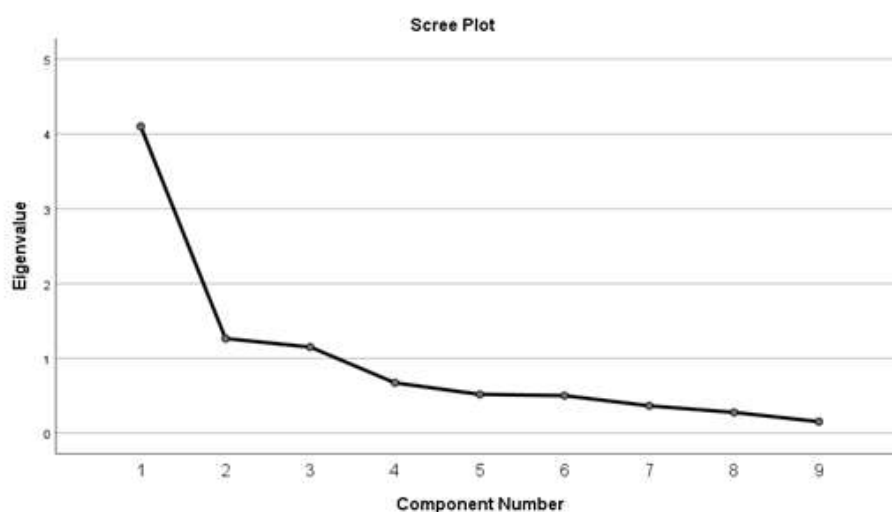
Extraction communalities considered for the factors in the factor solution. Small values indicate variables that do not correspond well to the factor solution and may need to be removed from the analysis. The extraction communalities for this solution are acceptable, although the lower values of Multiple Lines and Calling Card show that they do not match as well as the others.

Table 9. Total Variance Explained

Total Variance Explained								
Comp.	Initial Eigenvalues	Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings			
		Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	4.101	45.566	45.566	4.101	45.566	45.566	2.69	29.886
2	1.264	14.05	59.616	1.264	14.05	59.616	2.651	29.458
3	1.151	12.783	72.399	1.151	12.783	72.399	1.175	13.055
4	0.672	7.462	79.861					
5	0.517	5.75	85.611					
6	0.501	5.566	91.177					
7	0.365	4.052	95.229					
8	0.277	3.073	98.303					
9	0.153	1.697	100					

Extraction Method: Principal Component Analysis.

In the present research the first 3 factors explain 72.399% of variance explained how financially female confronting constrains. The VARIMAX rotation tries to maximize the variance of each of the factors.

Figure 1. Screen Plot

The scree plot (Kattle Criterion) graphs the Eigenvalue against the each factor on the abscissa. This graph shows that after factor 3 the total variance accounts for smaller and smaller amounts.

Table 11. Component Transformation Matrix

Component Transformation Matrix			
Component	1	2	3
1	0.709	0.699	-0.091
2	-0.699	0.714	0.044
3	0.095	0.032	0.995

Extraction Method: Principal Component Analysis. Rotation Method: Varimax with Kaiser Normalization.

Component Matrix ^a			
	Component		
	1	2	3
Complex Loan	0.733	-0.349	-0.185
Initial Capital Collection	0.737	0.144	0.338
Business Experience	0.575	0.623	-0.253
Initial Training	0.652	0.426	0.023
Legal Document	-0.279	0.095	0.872
High Interest	0.748	-0.036	0.388
Guarantor Problem	0.651	-0.627	0.109
Family Obstacle	0.875	0.215	-0.023
Saving Condition	0.663	-0.321	-0.122

Extraction Method: Principal Component Analysis. A 3 components extracted.

The relationships in the un-rotated factor matrix are somewhat flawless. The third factor is associated with Legal Document, The second corresponds most strongly to Business Experience, and the first factor is associated with Complex Loan, Initial Capital Collection, High Interest, and Family Obstacle. In this study, the complex loaning process and high-interest rate, grantor problem, and family obstacles shown in Pearson Correlation's are 0.475, 0.610, and 0.622.

The investigation additionally found that the greater expense of bank support is a snag for women entrepreneurs' visionaries in Bangladesh. All in all, the benefits of little and medium-sized organizations in Bangladesh are not high. At the point when the loan interest is high, it is hard for little and medium-sized organizations. Along these lines, the loan interest in the banks ought to be brought down. In the event that the impediments to getting and other money-related administrations from banks and different kinds of monetary associations can be expelled, women entrepreneurs' people can build up their business and improve a much commitment to the nation.

4. EXPLORATORY DISCUSSIONS AND ANALYSIS

4.1. COMPLICATED LOAN PROCEDURE

First, following the above chart, the intricate procedure of loan disbursement has been renowned as an obstacle for women entrepreneurs in Bangladesh to get loans from banks and other financial institutions:

participants 39 years old women, Magura, Jashore, Owner of a Vegetables Farm: "I have been to banks and even some micro-credit organizations to get some loans but they wanted some documents such as registration of a business, national ID, security letter from solvent people, local chairman certificates, and even marriage certificate to prove the present marital status. This demotivated me to go again to the bank and officers in micro-finance wanted similar to banks. I am a rural woman, I do not have all these. Then I didn't manage the credits."

A participants 43 years' old women, Raozan, Chattogram, Owner of a Chicken Farm: "Initially, I confronted many difficulties to open a bank account but after opening the account, I came to know that I have to open another account to get loans for my business! It made me down but I tried my best and got loans. But, it should not be problematic to open a bank account and get loans, because we cannot travel to the bank every day, since we have works to do at my firm."

Additional respondents also shared related information about the complicated procedure of opening bank accounts, which makes hurdles for women entrepreneurs.

4.2. HIGH-INTEREST RATES

With regard to the accessibility of capital and credit, many participants emphasized the demand for collateral and high-interest rates as the main factors influencing their inability to access capital in the form of bank loans. The type and value of the collateral, according to participants, determined the amount of the loans received. This is expressed in the following statements:

Participants 42 years old women, Panchhat, Kishorganj, Owner of a Fisheries & Vegetable Firm: "If you go to the bank with land papers or house papers they are happy to give you big loans because if you don't pay the loan, they will sell the land or house to get their money. So we the women who don't have these things cannot go to the banks. If we able to manage loans which amount is insufficient to invest in our business against with high curve of interest."

Participants 47 years old man, Panchhat, Kishorganj, Farming and paddy cultivation: "The credits proposed by banks and micro-credit organizations as well as non-governmental organizations are above expectations. I have to earn money to cover all the expenses of the business, then interest. If the interest rate is high, there is no reason in borrowing because I will fall in a pitfall."

4.3. INSUFFICIENCY OF BANKING OFFICIAL INFORMATION

Several participants stated that they did not have the support of bank employees when they went to banks for loans and other services. One of the ranchers said, *the participant's 50 years old man, Cloth Shop, Owner, Natore, Rajshahi*

"For bank loans that I went to bank several times to open a bank account, But bank officials requested different types of documents in different time, which had a tedious task of managing them on time to obtain a loan from the bank. Although this bank has promoted its banking service, it is more flexible and transparent, but the reality is different. We want condition apply free services not trapped by hooked advertising."

Another, participant's 35years old woman, Rancher, Chandpur: "I usually had no financial knowledge of bank procedures. When I went to the reputed bank and requested help, the officials showed me a negative attitude. It could be my dress or face and waited for a long time. I felt scared and I come out immediately. Then I've never been to the banks. Later, I contact the local microcredit organization. They were almost the same, but I finally took some money at a very high-interest rate, which annoyed me to pay back soon."

And, the Participant's 41 years old woman, Vegetable Farming, Putia, Rajshahi: "When I went to the bank, I had to waste my whole day, for example at 10:00 am, but I cannot finish before 3:00 pm, there are procedures in banks and sometimes very long because I had to queue long and also walk from table to table other, what was really exhausting for me. One thing I observed, bankers feel ease and confident to provide loans to males rather than females."

The participant 54 years old man, auto-rickshaw puller owner, putia, rajshahi: "Because I am not educated and so I feel afraid to talk with educated officials. If I do any mistake while talking to them. So, some officials provide different information about the documents required to open an account and apply for a loan. As a result, account holders and those who want to open the account face a major problem. They don't show much interest in helping us do everything well, but they seem to like making things complicated."

4.4. DISCRIMINATIONS ON THE BASIS OF GENDER

For the family's wellbeing, a rural women entrepreneur intended for training from local NGOs. Her husband didn't accept it nicely and her father-in-law didn't support much from the conservative social aspect after successfully accomplish the training, she went to the bank and tedious documentation process and grantor issues she had to face cumbersome experience but didn't eschew from her determinations and after all hurdles now she set up her own cattle firm and producing vegetables on her fertile 0.50-acre lands.

A Participant 41 Years Old Women, Magura, Jashore, And Owner of a Vegetables Farm: "I brought up from a traditional conservative family and married a conservative religious person. I had to survive for training, bank loans, and grantor. Every sphere I had to faces inhuman torments and it's not so easy to share in brief. I had a concrete dream to make it effective and I did it finally. Now, I turning well off in my family and happily supporting to family and sent my children to school. Though, we are living in a digital life but still our parents' generation living in their life decades and traditional norms."

4.5. NO BANK ACCOUNT OF WOMEN'S

The vast majority of rural women and women entrepreneurs do not have a bank account. Our study suggests, the result indicates that women are now more sensible and acumen than men. For family reasons such as the head of household, control, administration, customs, the priority of power, lack of confidence, education, the uncertainty of security, and distance from the financial institutions are fundamental considerations to be financially excluded from women.

4.6. INTEREST FREE BURN & DISABLE LOAN FROM GOVT.

Bangladesh Govt. has approved an interest-free Burn & Disable loan. The fund was raised eighty-one crore Taka (Bangladeshi Currency) (in Bangladeshi currency) and seventy-eight crore Taka (Bangladeshi Currency) (in Bangladeshi currency) was invested in burn and disable credits. According to reports from the Ministry of Social Welfare in Bangladesh, 91,000 people benefited from this loan program. Low-income acid burning and disabled people with an average per capita annual income of at most 60,000 Taka (Bangladeshi Currency) (\$723) can take out a loan of 5,000 to 20,000 Taka (Bangladeshi Currency) (\$60-\$241). In addition, a one-time grant of 5,000 to 15,000 Taka (Bangladeshi Currency) (\$60-\$181) for an acid-burned poor person.

4.7. CORRUPTION FOR LOAN SANCTION

Throughout our interview, we had found several cases regarding loan sanction corruption from govt. and private credit organizations. Both stakeholders have mediators and corrupted officials who take the leveraged share from the burn & disable people's loan.

The participants 32 years' old women, Bhurungamari, Kurigram: "While I was suffering from acid burns and after my recovery, I wanted to do something for the safe future and my family. I went to banks and microcredit office, two places where two officials told me that if he sanctioned a loan, I would have to pay 3,000 Taka (Bangladeshi Currency) (\$36), even my loan up to 60,000 (\$723), he would have to pay 5,000 Taka (Bangladeshi Currency), the loan being free of interest. "

Another, Participants 42 years' old woman, Cloth Shop Owner, Kishorganj

"I borrowed from the BRAC NGO. I'm physically handicapped. It was not a problem to take out the loan for the first time, but the borrower did not leave my house because I could not pay the loan installment properly and abused me. I speak a little quietly and socially I accept inferiority. I later did borrow from another local NGO. In this case, I had to take out a loan of Taka (Bangladeshi Currency) 20,000 with a bribe of Taka (Bangladeshi Currency) 3,000. Such a situation always happens at the local level."

4.8. AMBIGUOUS BUSINESS STRATEGY

Lack of codified business strategy, proper investment & expenditure, inefficient business plan, and poor system of serving clients considering stakeholders' inability to give loans to women micro-business. This is explained below:

A manager of the microfinance institution, Kishorganj: "See, micro-credit provide to women is a big risk. Generally, they come up with influenced by peer group and undefined business goals where fulfill to their customer desire is at high risk. In this circumstance, this makes it very difficult to grant a loan to these women. So the only thing we do is to use their savings as collateral to give them a little loan we think they deserve."

4.9. LOAN HAS GIVEN POSITIVE CHANGES OF LIFE

A frequently asked question to almost all of the borrowers was, «Is the loan working for you?» Other questions were, «What else do you think is necessary to be a successful entrepreneur in addition to the loan?» And «When it comes to starting a new business, is the loan enough?» One of the interviewees, who had almost 18 years of experience in taking out loans at BRAC Bank, replied that she had become completely self-sufficient. Now his small business has become productive and has supported his household income, and his finances are in good shape:

Participants 39 years' old women, Raozan, Chattogram: *"This loan has increased my household income at a good pace. On the one hand, this loan paved the way for income and, on the other hand,*

it increased my wealth. Not only I, but many of the women in the neighborhood have had great success in increasing their household income through this loan.”

4.10. LOAN INVEST IN UNPRODUCTIVE WAY

To maintain the relevant of our study we heard from both stakeholders opinion to figure out the real facts, so one of the mid-level bank official claimed that

A participants 42 years old man, Branch Manager, Agrani Bank, Dhaka: “The most of the cases applicants apply for SME loan but they utilize this loan for unproductive way and several times we investigate to ensure legitimate use of loaning money. We have to keep up a track record and how many borrower changes their life by taking this financial benefits and our prime motto equally include into everyone in our financial frameworks. Recently, we experienced a few cases, credit candidates applying loans beyond their needs and they couldn’t show a sensible records and answer.”

5. RESEARCH LIMITATIONS AND DIRECTIONS FOR FUTURE RESEARCH

Similarly newest analyses, this exploration also has a few confinements. Right off the bat, the size of the example is a constraint in light of the fact that the outcomes can’t be summed up. The exploration was similarly directed in a rural area including female business people from a couple of business associations. In any case, in future research, a bigger example could be incorporated. Future experts could also apply the outcomes from this examination in a quantitative methodology utilizing an overview to sum-up, the information incomparable and different settings, for instance in the urban regions of Bangladesh and different nations. In addition, future investigations can equally be directed by method for a blended methodology utilizing overviews, meetings, and center gathering conversation forms.

Declarations

Availability of data and materials

Author adopted primary data applied in this study.

Competing interests

The author declares that he has no competing interests.

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CONCLUDING REMARKS AND SUGGESTIONS

This research study suggests how rural women entrepreneurs face the constraints of financial institutions to manage loans and several factors influence it in the informal economy of rural Bangladesh. This inquiry found that a variety of institutional, personal, and contextual factors that influenced and hampered women's entrepreneurship and financial exclusions. The main institutional impediments in the order of their importance were requirements for collateral, saving conditions, biased selection criteria, and complex bureaucracy as well as other factors. Demand for collateral and insufficient credit size, the diverse responsibilities of women, peer pressure or negative attitudes towards the loan program, and the lack of business knowledge were identified as major personal constraints. High levels of competition among women and challenging working conditions were cited as contextual factors that hampered women's entrepreneur.

Bangladesh is considering the 7th fastest growing economy in the world and achieved 29th position by purchasing power parity and the development of women entrepreneurs would have a very positive impact on the broad-spectrum business prospects in this country in the informal economy. This study identifies some significant obstacles, which is why women entrepreneurs should offer all possible benefits in removing the hurdles ((Esayas & Tolossa, 2015; Connerley & Wu, 2016; IMF). Our inquiry supported this study where they recommended to remove barriers for women and proposed not an individual endorsement (Nawaz, 2012; Baporikar, et al, 2016; Jannuzi & Peach, 2019). The current government is unremittingly advising banks to simplify the credit process. Thus, the existence of this barrier is certainly terrifying for the respective policymakers.

Moreover, technological developments, particularly among private, commercial and public banks in Bangladesh, are expected to reduce the complexity of the loan payment process. Owing to technological developments, mainly private, commercial and public banks in Bangladesh are anticipated to lessen the intricacy of the loan payment process (Hasan et al., 2016). Thus, this study could provide a source for senior government officials, as well as senior banking authorities, to take the right initiatives to reduce complex credit processes and suggesting to implement necessary sustainable policy to ensure women can be included by financially and bring changes in their lives. This research is also an essential contribution to justify the need to reduce interest rates. If the interest rate is lowered, the number of entrepreneurs can increase and existing SMEs can borrow. In addition, this research also focused that bank officials do not offer much support to women entrepreneurs, which should be corrected because if women entrepreneurs in rural areas in Bangladesh do not receive support from bank officials, they are not interested in opening accounts and taking out loans without savings. This report also supported by the study of Chowdhury, et al, (2013); Sattar et al, (2016), Who also commended hiring more bank officials to assist women who are applying for credit and other banking services can adopt smoothly, De Vita et al., (2014) and Ghosh et al., (2018). The study also shows a trend among officials to grant loans to women entrepreneurs, which must also be reduced interest and intricacy because women can do flexible business successfully and repay the loans.

This study also recognizes the negative prejudice against female account holders among officials as an obstacle (Connerley & Wu, 2016; Ghosh et al., 2018). Therefore, bank employees can provide training and development in the banks, so that their perception of entrepreneurs and other customers can be shifted. The study also found that the higher cost of maintaining banks is a barrier for women entrepreneurs in Bangladesh. In general, the profits of small and medium enterprises in Bangladesh are not very high. When the interest rate is high, it is very difficult for small and medium businesses. Therefore, the interest rate in banks should be lowered. If barriers to borrowing and other financial services from banks and other types of financial organizations can be removed, women entrepreneurs can grow their businesses and make a much better contribution to the country.

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