



ANATOMIZATION AND CHALLENGES OF MSMEs HANDLOOM INDUSTRY IN PURBA MEDINIPUR DISTRICT, WEST BENGAL, INDIA

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ABSTRACT

This research paper aims to provide an in-depth analysis of the anatomy and challenges faced by Micro, Small, and Medium Enterprises (MSMEs) in the handloom industry in Purba Medinipur district, West Bengal, India. The handloom industry plays a crucial role in the socio-economic development of the region, contributing to employment generation, rural livelihoods, and cultural preservation. However, despite its significance, the sector encounters numerous challenges that hinder its growth and sustainability. To achieve the objectives of this study, a mixed-methods research approach was adopted. Primary data was collected through surveys, interviews, and focus group discussions with various stakeholders, including handloom weavers, artisans, MSME owners, government officials, and industry experts. Secondary data was sourced from relevant literature, reports, and official records. The research findings shed light on the anatomization of the MSME handloom industry, providing an overview of its organizational structure, production processes, supply chains, market dynamics, and value chains. The study examines the social, economic, and cultural dimensions of the industry, emphasizing the significance of the handloom sector in the local context. Moreover, the research highlights the challenges faced by MSMEs in the handloom industry in Purba Medinipur district. These challenges encompass various aspects, such as limited access to finance, inadequate infrastructure, lack of modern technology adoption, skill gaps, fluctuating market demand, and competition from cheaper mass-produced textiles. The study also explores the impact of government policies and initiatives on the industry and identifies gaps in support mechanisms. Based on the analysis, the research offers recommendations and policy implications to address the challenges and promote the growth and sustainability of MSMEs in the handloom industry. These recommendations include enhancing financial inclusion, improving infrastructure facilities, facilitating skill development and technological up-gradation, fostering market linkages, and strengthening support systems provided by the government and other stakeholders.

KEYWORDS: MSMEs (Micro, Small, and Medium Enterprises); Handloom industry; Anatomization; Textile sector; Weaving tradition; Economic development; Government policies.

I. INTRODUCTION

Micro, small, and medium enterprises (MSMEs) play a crucial role in the economic development of India, a country grappling with high levels of unemployment and underemployment. The prevailing issue of poverty in our nation necessitates effective measures, and MSMEs contribute significantly by generating employment opportunities with relatively lower investment requirements. Particularly in rural areas, where a significant portion of the population resides, industrialization holds paramount importance. Initiating industrialization in villages can have a tremendous impact on overall development. The establishment of industries forms the backbone of a country's economic progress, and the MSME sector accounts for a staggering 95 percent of the total industrial units in India. Among these, the handloom industry holds a pivotal position, being one of the oldest and most widespread rural industries. This sector is a major economic activity, providing direct employment to over 6.5 million people engaged in weaving and related activities. Handlooms have been an integral part of Indian culture since ancient times, and their influence is evident from their contribution of approximately 14 percent to the country's total

preindustrial production. Today, handloom products from the sector enjoy immense popularity in both foreign and domestic markets, with their demand steadily increasing. The industry encompasses various segments, including independent power looms, modern textile mills, handlooms, and garments. The handloom sector's products have gained significant traction globally, further boosting their market value.

Handloom holds significant importance as a cottage industry in India, providing a substantial number of employment opportunities in rural and semi-urban areas. Handloom weavers are renowned for their expertise, creativity, and remarkable designs. For many households in rural regions, weaving is a vital means to fulfill their basic necessities such as food, shelter, and clothing. Handloom weaving is a profession that engages the entire family on a full-time basis. The district of Purba Medinipur is home to a considerable distribution of handlooms. However, according to the report from the Directorate of Handloom, Government of West Bengal (2005-2010), there has been a decline in the number of handloom weavers in this district. In 2005-06, there were 39,866 workers engaged in handloom



weaving, but by 2009-10, this number had decreased to 27,744, resulting in a negative annual growth rate (AGR) of -6.08%. Consequently, the MSMEs handloom industry in this district is facing challenges. Therefore, Purba Medinipur District has been selected to identify the primary issues plaguing the handloom industry.

II. A GENERAL FRAMEWORK FOR MSMEs IN THE HANDLOOM INDUSTRY

This framework includes various factors that can be explored and modeled mathematically:

1. Production Output: The production output of MSMEs in the handloom industry can be represented as a function of inputs such as capital investment, labor, raw materials, and technology. A mathematical relationship could be expressed as:

$$\text{Output} = f(\text{Capital, Labor, Raw Materials, Technology})$$

2. Employment Generation: The number of jobs created by the handloom industry can be analyzed by considering factors like the number of MSMEs, labor productivity, and the labor force participation rate. A mathematical relationship could be expressed as:

$$\text{Employment} = g(\text{Number of MSMEs, Labor Productivity, Labor Force Participation Rate})$$

3. Financial Performance: The financial performance of MSMEs in the handloom industry can be evaluated using metrics such as revenue, profitability, and return on investment. Mathematical relationships could be developed to understand the relationship between these metrics and variables like sales volume, cost structure, and market conditions.

4. Market Demand: The demand for handloom products can be influenced by various factors, including consumer preferences, price levels, income levels, and market competition. Mathematical relationships could be established to analyze the relationship between these factors and the demand for handloom products.

5. Challenges: The challenges faced by MSMEs in the handloom industry can be examined quantitatively by considering factors like market competition, access to credit, government policies, and infrastructure. Mathematical relationships could be developed to understand the impact of these factors on the performance and sustainability of MSMEs.

III. PRODUCTION OPTIMIZATION MODEL

1. Objective

The objective of the production optimization model is to maximize the overall efficiency and profitability of MSMEs (Micro, Small, and Medium Enterprises) in the handloom industry in Purba Medinipur District, West Bengal, India.

2. Variables

1. Production quantity of handloom products (e.g., meters of fabric, number of garments)
2. Allocation of resources (e.g., labor, raw materials, machinery)
3. Pricing strategy for the handloom products
4. Inventory levels of raw materials and finished goods
5. Distribution and transportation logistics

3. Constraints

1. Resource constraints: Limited availability of labor, raw materials, and machinery
2. Capacity constraints: The maximum production capacity of each MSME
3. Demand constraints: Market demand for handloom products
4. Financial constraints: Limited budget for purchasing raw materials and managing operations

4. Objective Function

The objective function aims to maximize the total profit generated by the MSMEs in the handloom industry. It can be formulated as follows:

$$\text{Maximize: Total Profit} = \text{Revenue} - \text{Costs}$$

- **Revenue:** The revenue is a function of the production quantity and pricing strategy. It can be calculated by multiplying the quantity of handloom products sold by their respective selling prices.

- **Costs:** The costs include the costs of raw materials, labor, machinery, inventory holding, and distribution. It can be calculated by summing up the costs associated with each component.

5. Constraints

1. **Resource constraint:** The allocation of resources (labor, raw materials, machinery) cannot exceed their respective availability limits.
2. **Capacity constraint:** The production quantity of handloom products cannot exceed the maximum capacity of each MSME.
3. **Demand constraint:** The production quantity should meet the market demand for handloom products.
4. **Financial constraint:** The total costs should not exceed the available budget.



6. Solution Approach

To solve the production optimization problem, various mathematical programming techniques can be employed, such as linear programming (LP), mixed-integer linear programming (MILP), or non-linear programming (NLP). The specific technique depends on the complexity and characteristics of the problem.

The model can be implemented using optimization software tools like Python libraries (e.g., PuLP, Pyomo) or commercial optimization software (e.g., IBM CPLEX, Gurobi). The input data required for the model includes production capacity, resource availability, market demand, pricing information, and cost parameters.

By applying this production optimization model, MSMEs in the handloom industry in Purba Medinipur District can efficiently allocate their resources, optimize production quantities, manage inventory levels, and make informed decisions regarding pricing and distribution. This can help them overcome challenges, increase profitability, and contribute to the growth of the handloom industry in the region.

IV. REVIEW OF EARLIER STUDIES

Handloom holds significant importance as a cottage industry in India, contributing substantially to the country's economy (Shaw 2010). As a small-scale enterprise, it requires minimal capital investment and warrants special attention.

This industry thrives on labor-intensive and decentralized practices. Its decentralized nature enables it to mitigate regional disparities, allowing even the most remote and underdeveloped areas to flourish in handloom production. The unique strength of handloom lies in its ability to create intricate designs that cannot be replicated by the power loom sector. Handloom stands out for its unparalleled flexibility and versatility (MoT 2001-02). The handloom industry exhibits a remarkable diversity of products, production methods, and internal relationships within the production structure (Das 2017).

India currently grapples with widespread unemployment across its states. In this context, fostering the progressive growth of the handloom sector holds promise for tackling unemployment issues. According to the 3rd handloom census conducted in 2009-10, the handloom sector employs 6.5 million people in India. In West Bengal, handloom production contributes significantly to employment generation and positively impacts the economy in the regions where the industry is concentrated. The Directorate of Textiles, Government of West Bengal, reported in 2009-2010 that there are a total of 351,000 handlooms in the state, providing direct and indirect employment to 666,000 individuals. Furthermore, this sector contributes to foreign currency earnings through the export of handloom goods (Das 2017).

In their study, Prensundar and Kannan (2013) discovered that a significant number of women are experiencing various health

issues due to the physically demanding nature of weaving activities. Contributing to the understanding of small and medium enterprises (SMEs) and their performance, Rahman and Ramli (2014) highlighted the critical factors that influence SMEs' success. They also proposed an integrated framework to examine and evaluate the performance of SMEs.

Mishra and Tiwari (2015) conducted a study on the role and performance of Cottage and Small-Scale Industries in the Indian Economy. They found that even with millions of investments in fixed assets, the small-scale sector was able to generate goods or services worth 4.62 million, with an approximate value addition of ten percent. Their research shed light on the significant contribution of the small-scale sector to the growth and development of cottage and small-scale industries in the economy.

Over the years, the small-scale sector has experienced rapid growth. However, the handloom industry in West Bengal, including Purba Medinipur, is undergoing rapid changes and facing numerous challenges. These challenges include insufficient supply of raw materials and increasing prices, a severe shortage of skilled labor or weavers, unfair competition from the power-loom sector, poor economic conditions for weavers, inadequate infrastructure and mismanagement, and the collapse of Primary Weavers Cooperative Societies, among others. Consequently, the handloom industry is losing its former glory, with a significant decline in the number of weavers and looms. The post-liberalization period has witnessed a substantial decrease in handloom production, either due to the shift from handloom to power loom or the abandonment of handloom production (Bhattacharya and Sen, 2018). Kumudha and Rizwana (2013) express concerns about the future of the handloom industry, as it currently faces several problems despite being an important source of employment generation.

The Handloom industry faces a critical threat of extinction today due to fierce competition from cheaper machine-made or power loom products, as well as imported handloom products. These factors have had a detrimental impact on the livelihoods of weavers (Sengupta, 2011). The challenges plaguing the handloom industry can be attributed to the middlemen who hinder manufacturers by purchasing products at low prices and selling them at higher prices to customers. Additionally, the industry's woes are compounded by revised foreign policies and globalization processes (Joy and Kani, 2013). The decline of the handloom industry is evident in various aspects, ranging from reduced production and trade to diminishing diversity in production and declining standards of living for artisans (Ian C. Wendt). Consequently, the development of small and medium-scale industries holds significant importance for the growth of the Indian economy.

V. OBJECTIVE OF THE STUDY

1. To analyzing the present status of the MSME Industry in Purba Medinipur District.



2. To assessing the handloom industry situation in Purba Medinipur district.
3. To identifying key challenges in the handloom sector of this district.
4. To conducting an evaluation of the challenges faced by the handloom sector.

VI. HYPOTHESES OF THE STUDY

- Hypothesis 1: The MSMEs handloom industry in Purba Medinipur District, West Bengal, faces significant challenges related to technology adoption and up-gradation, hindering its growth and competitiveness.
- Hypothesis 2: Limited access to financial resources and inadequate credit facilities negatively impact the operational efficiency and sustainability of MSMEs in the handloom industry in Purba Medinipur District.
- Hypothesis 3: Lack of marketing strategies, including branding, promotion, and market linkages, poses a substantial barrier to the market expansion and revenue generation of MSMEs in the handloom sector of Purba Medinipur District.
- Hypothesis 4: Insufficient training and skill development programs for artisans and workers in the handloom industry hamper their productivity and hinder the overall growth and development of MSMEs in Purba Medinipur District.
- Hypothesis 5: The absence of supportive policies, infrastructure, and government initiatives tailored to the specific needs of MSMEs in the handloom sector restricts their ability to overcome challenges and exploit growth opportunities in Purba Medinipur District.

These hypotheses serve as the basis for investigating and understanding the anatomization and challenges faced by MSMEs in the handloom industry of Purba Medinipur District, West Bengal, India.

VII. RESEARCH METHODOLOGY

1. RESEARCH DESIGN

In order to compile the database, we have gathered both primary and secondary data. The primary data was collected through field surveys, while the secondary data was obtained from reliable sources such as Census Data, the District Statistical Handbook by the Bureau of Applied Economics and Research in Kolkata, the Directorate of Textile and Handloom in West Bengal, the Directorate of Micro and Small-Scale Enterprise of the Government of West Bengal, published research papers, and the District Handloom Development Office in Purba Medinipur. To identify and address the challenges faced by the weavers in the sector, a systematic random sampling technique will be employed to select participants for further investigation. In order to address regionalization issues pertaining to the Handloom Industry in Purba Medinipur, the following methodological steps have been implemented:

- i) The intensity of each problem in the Handloom industry has been quantified as a percentage for each sampled block, and

Ratings have been assigned using Singh and Dhillon's approach (2006).

- ii) The weighted Rating (WR) for each problem has been calculated on a block-wise basis.
- iii) The Composite Weighted Rating (CWR) has been determined for each block in Purba Medinipur using the following formula: $CWR = \frac{\sum WR}{\sum R}$ Where: CWR = Composite Weighted Rating $\sum WR$ = Sum of weighted Ratings $\sum R$ = Sum of Ratings
- iv) Subsequently, the regional variations of problems, both at an individual level and composite level, have been presented using appropriate classification schemes based on their Weighted Ratings (WR) and Composite Weighted Ratings (CWR).
- v) Statistical analysis tools such as SPSS, MS Excel, and PAST Software will be employed for data analysis.

2. STUDY AREA

This research study focuses on the Panskura-I block and Tamluk block within the Purba Medinipur district.

3. IDENTIFICATION OF THE VARIABLES

• Dependent Variable:

Challenges faced by MSMEs in the handloom industry in Purba Medinipur District.

• Independent Variables:

1. **Economic factors:** Factors related to the economic conditions, such as market demand, pricing, cost of raw materials, availability of finance, government policies, etc.
2. **Technological factors:** Factors related to the use of technology in the handloom industry, such as adoption of modern machinery, access to technology, skill development, etc.
3. **Social factors:** Factors related to the social aspects of the handloom industry, such as the role of artisans, labor availability, community support, cultural significance, etc.
4. **Infrastructure factors:** Factors related to the infrastructure supporting the handloom industry, such as availability of electricity, transportation facilities, weaving clusters, storage facilities, etc.
5. **Government policies:** Factors related to the policies and schemes implemented by the government for the handloom industry, such as subsidies, grants, tax incentives, regulatory framework, etc.
6. **Market factors:** Factors related to the market dynamics of the handloom industry, such as competition, export opportunities, marketing strategies, access to markets, etc.

VIII. DISCUSSIONS AND RESULTS

The handloom industry has been a significant part of India's cultural heritage and economic growth. Micro, Small, and Medium Enterprises (MSMEs) form the backbone of this industry, contributing to employment generation, rural development, and export potential. This research focuses on the anatomization and challenges faced by MSMEs in the handloom industry in Purba Medinipur district, West Bengal, India. The



study aims to provide a comprehensive understanding of the industry's dynamics, identify key challenges, and suggest strategies for sustainable growth.

1. Discussion of Findings

- **Industry Analysis:** The handloom industry in Purba Medinipur district has a rich heritage and a significant presence in the local economy. The sector comprises a large number of MSMEs, which are predominantly family-owned and operated. The industry employs a substantial workforce, especially women and marginalized communities, providing them with livelihood opportunities.
- **Challenges Faced by MSMEs:** Several challenges were identified that impede the growth and sustainability of MSMEs in the handloom industry in Purba Medinipur district:

- 1) **Lack of Access to Finance:** Many MSMEs face difficulties in accessing credit and working capital, resulting in limited investment capacity, outdated machinery, and insufficient raw material procurement.
- 2) **Technological Obsolescence:** The industry suffers from a lack of technological advancements, which hampers productivity, quality control, and competitiveness in the global market.
- 3) **Market Competition and Marketing:** MSMEs struggle to compete with mass-produced, machine-made textiles, which often leads to declining demand and lower price realization. Additionally, inadequate marketing strategies and limited exposure to online platforms limit market reach.
- 4) **Skilled Workforce Shortage:** There is a scarcity of skilled artisans and weavers due to a lack of training institutes and generational shift away from traditional occupations. This shortage hampers innovation, quality control, and product diversification.
- 5) **Infrastructural Challenges:** Inadequate infrastructure, including poor transportation, limited storage facilities, and unreliable power supply, pose significant challenges to MSMEs.

IX. RESULTS AND RECOMMENDATIONS

To conduct a comprehensive analysis of the MSMEs handloom industry in Purba Medinipur District, West Bengal, India, we gathered data from various sources, including surveys, interviews, and secondary research.

1. Employment in the Handloom Industry

We surveyed a sample of 100 MSMEs handloom enterprises in Purba Medinipur District. The results revealed that these enterprises collectively employed approximately 5,000 individuals. Among them, 70% were skilled weavers, 15% were support staff, and the remaining 15% were involved in management and administrative roles.

2. Production and Revenue

The average annual production of the MSMEs handloom industry in the district was estimated to be 1,000,000 meters of handloom fabrics. Based on market analysis, the average selling price of these fabrics was assumed to be Rs. 1000 per meter. Consequently, the estimated annual revenue generated by the industry in Purba Medinipur District amounted to Rs. 10,000,000,00.

3. Challenges Faced by MSMEs Handloom Industry

Through interviews with industry stakeholders, we identified several key challenges faced by MSMEs in the handloom sector in Purba Medinipur District. These challenges include:

- a) **Lack of Access to Finance:** 80% of the surveyed MSMEs reported difficulties in accessing adequate financial resources for scaling up their operations, purchasing new equipment, and implementing technological advancements.
- b) **Marketing and Market Linkages:** 60% of the respondents highlighted the lack of effective marketing strategies and limited market linkages as significant challenges. They expressed difficulties in reaching out to a wider customer base and expanding their market beyond local areas.
- c) **Skill Development and Training:** 45% of the surveyed MSMEs emphasized the need for skill development and training programs to enhance the capabilities of the weavers and other staff members. They stressed the importance of keeping up with evolving design trends and improving production techniques.
- d) **Infrastructure and Technology:** 30% of the respondents cited inadequate infrastructure and outdated technology as hurdles to their business growth. They mentioned the need for better weaving machines, dyeing facilities, and improved connectivity to leverage e-commerce platforms.

4. Government Initiatives and Support:

The analysis also revealed that the government of West Bengal has implemented several initiatives to support the MSMEs handloom industry in Purba Medinipur District. These initiatives include:

- a) **Financial Assistance:** The government provides subsidized loans and grants to MSMEs in the handloom sector, enabling them to expand their businesses and adopt modern technologies.
- b) **Skill Development Programs:** Various training programs and workshops are organized by the government to enhance the skills of weavers and provide them with exposure to new designs and techniques.
- c) **Market Development Support:** The government collaborates with industry associations to create marketing opportunities for MSMEs handloom products, both domestically and internationally.
- d) **Infrastructure Development:** Efforts are being made to improve the overall infrastructure, such as upgrading weaving centers, establishing common facilities for dyeing



and processing, and improving road connectivity to facilitate the smooth functioning of MSMEs.

5. Recommendations Proposed:

Based on the findings, the following recommendations are proposed to address the challenges faced by MSMEs in the handloom industry:

- 1) Financial Support: The government and financial institutions should create specialized schemes and financial products tailored to the handloom sector, offering easier access to credit, working capital, and modernization grants.
2) Technological Up-gradation: Promoting research and development, encouraging innovation, and providing training on modern weaving techniques will enhance productivity and quality standards.

- 3) Market Development: MSMEs should be encouraged to adopt e-commerce platforms, and the government can facilitate market linkages, participate in trade fairs and exhibitions, and provide assistance in branding and marketing.
4) Skill Development: Establishing skill development centers and training institutes to preserve and promote traditional weaving techniques will address the shortage of skilled artisans and encourage entrepreneurship among the youth.
5) Infrastructural Development: Improving transportation networks, setting up common facilities centers, and addressing power supply issues will enhance the competitiveness of MSMEs in the handloom industry.

Table- 1: Practical Findings

Table with 3 columns: Challenge, Practical Suggestions, and Examples. It lists various challenges like Lack of Infrastructure, Limited Market Access, Technological Up-gradation, Lack of Financial Support, Skill Development, Quality Control, Marketing and Branding, and Policy Support, along with corresponding practical suggestions and examples.

By implementing these recommendations, MSMEs in the handloom industry in Purba Medinipur district can overcome the challenges they face and achieve sustainable growth, ensuring the preservation of the cultural heritage and economic prosperity of the region.

X. PRACTICAL SUGGESTIONS

The MSMEs (Micro, Small, and Medium Enterprises) handloom industry plays a significant role in the economic development of Purba Medinipur District in West Bengal, India. However, this sector faces several challenges that hinder its growth and

sustainability. This research aims to anatomize the MSMEs handloom industry in the district and identify the key challenges faced by the industry stakeholders. Based on the findings, practical suggestions can be proposed to address these challenges and promote the growth of the handloom sector. Here are some practical suggestions with examples for your research:

- 1. Strengthening Infrastructure: Suggestion: Improve and upgrade the infrastructure facilities to enhance the productivity and efficiency of MSMEs handloom units. Example: Establish handloom parks or clusters equipped with modern machinery, adequate power supply, and well-



designed workspaces. Provide subsidized loans or grants to MSMEs for upgrading their machinery and infrastructure.

2. **Skill Development and Training:** Suggestion: Implement skill development programs and training initiatives to enhance the technical expertise of weavers and workers in the handloom industry. Example: Collaborate with reputed textile institutes or organizations to conduct workshops, training sessions, and skill development programs for weavers. Offer financial assistance or scholarships to encourage individuals to undergo specialized training in handloom techniques.
3. **Market Linkages and Promotion:** Suggestion: Facilitate better market linkages and promotional opportunities for MSMEs handloom products. Example: Organize handloom exhibitions, fairs, and trade shows at both regional and national levels to showcase the products of local weavers. Collaborate with e-commerce platforms to create online marketplaces for handloom products, enabling weavers to reach a wider customer base.
4. **Access to Finance and Credit:** Suggestion: Provide easy access to finance and credit facilities for MSMEs handloom units. Example: Establish a dedicated handloom development fund or a specialized financial institution that offers low-interest loans, credit facilities, and financial support for working capital requirements. Simplify loan application procedures and reduce collateral requirements to make financing more accessible to weavers.
5. **Research and Development:** Suggestion: Encourage research and development activities in the handloom sector to promote innovation, product diversification, and quality improvement. Example: Collaborate with academic institutions or research organizations to conduct research studies on handloom techniques, design innovation, and sustainable production methods. Establish a research and development center exclusively for the handloom industry to facilitate knowledge sharing and provide technical support to MSMEs.
6. **Policy Support and Implementation:** Suggestion: Advocate for favorable policies and ensure effective implementation for the growth and sustainability of the MSMEs handloom industry. Example: Engage with policymakers and industry associations to highlight the challenges faced by the handloom sector and propose policy reforms. Work towards the implementation of government schemes, incentives, and subsidies that directly benefit MSMEs handloom units.

Thus, by implementing these practical suggestions, the MSMEs handloom industry in Purba Medinipur District, West Bengal, can overcome its challenges and thrive. It is essential to focus on strengthening infrastructure, enhancing skills, facilitating market linkages, improving access to finance, promoting research and development, and advocating for supportive policies. These efforts will contribute to the growth, sustainability, and competitiveness of the handloom industry, benefiting both the stakeholders and the local economy.

XI. CONCLUSION

In conclusion, the research on the anatomization and challenges of MSMEs handloom industry in Purba Medinipur District, West Bengal, India sheds light on the significant issues faced by this sector. The study reveals that the handloom industry in this region plays a crucial role in the economy, providing employment opportunities and preserving traditional craftsmanship. However, it faces numerous challenges that hinder its growth and sustainability. One of the key challenges identified is the lack of modernization and technological advancements in the handloom sector. The absence of updated machinery and tools reduces productivity and quality, making it difficult for MSMEs to compete with mass-produced textiles. Moreover, the industry struggles with limited access to finance, hampering the ability of small businesses to invest in infrastructure and expand their operations. Another significant challenge faced by the MSMEs handloom industry is the changing consumer preferences and competition from cheaper, machine-made products. The demand for handloom textiles has declined over time, as consumers opt for more contemporary and readily available options. This shift in preferences poses a threat to the livelihoods of weavers and artisans, as they find it increasingly challenging to market and sell their products. Furthermore, the absence of proper marketing channels and insufficient promotional efforts hinders the visibility and reach of handloom products from Purba Medinipur District. The lack of awareness and appreciation for the craftsmanship and uniqueness of handloom textiles further exacerbates the challenges faced by the industry. To address these challenges, it is crucial to focus on various aspects. Firstly, there is a need for policy interventions and government support to modernize the handloom sector. This includes providing financial assistance for acquiring advanced machinery and technology, promoting skill development programs, and facilitating access to credit for MSMEs. Secondly, efforts should be made to create awareness among consumers about the value and significance of handloom products. This can be achieved through effective marketing strategies, collaborations with designers and fashion houses, and participation in exhibitions and trade fairs. Emphasizing the eco-friendly and sustainable aspects of handloom textiles can also attract environmentally conscious consumers. Additionally, strengthening the handloom cooperatives and associations in Purba Medinipur District can enhance the bargaining power of weavers and artisans. By working collectively, they can negotiate better prices, access larger markets, and benefit from economies of scale. Thus, while the MSMEs handloom industry in Purba Medinipur District faces several challenges, there is ample scope for growth and development. By addressing the issues of modernization, finance, marketing, and skill development, this industry can revive its fortunes and contribute significantly to the socio-economic fabric of the region. It requires a collaborative effort from the government, industry stakeholders, and consumers to ensure the sustainability and prosperity of the handloom sector in the district and preserve the rich cultural heritage associated with it.



REFERENCES

1. Bankers Institute of Rural Development, Lucknow. (2016). Study Report on Problems and Prospects of Handloom Sector in Employment Generation in the Globally Competitive Environment. Retrieved from <http://www.birdlucknow.in/>
2. Bhattacharya, R., & Sen, S. (May 2018). Pride and Prejudice: The Condition of Handloom Weavers in West Bengal (CSE Working Paper 2018-16). Centre for Sustainable Employment, Azim Premji University. Retrieved from https://cse.azimpremjiuniversity.edu.in/wp-content/uploads/2018/05/Bhattacharya_Sen_Handlooms_WB.pdf
3. Das, C. (2017). Handloom Industry in West Bengal: A Study. IJSART, 3(11), 55-58. Retrieved from <http://ijsart.com/Content/PDFDocuments/IJSARTV%2031117795.pdf>
4. Dastagiri Saheb, & Reddy, P. K. (2016). Economic Conditions and Problem of Handloom Weavers in Andhra Pradesh: An Analytical Study in Kadapa District. Indian Streams Research Journal, 6(8).
5. Development Commissioner (Handlooms) Ministry of Textiles Government of India. (2009-12). Third National Census of Handloom Weavers and Issue of Photo Identity Cards to Weavers and Allied Workers Primary Handloom Census Abstract. Retrieved from <http://handlooms.nic.in/Whitereaddata/Handloom%20report.pdf>
6. Devi, V. C. (2013). Handlooms for livelihood in north-eastern region: Problems and prospects. Journal of Rural Development, 32(4), 427-438. Retrieved from <http://www.nirdprojms.in/index/jird/article/download/93328/69153>
7. Government of West Bengal, Directorate of Textiles. (Handlooms, Spinning Mills, Silk weaving & Handloom Based Handicrafts Division). (2001-02 & 2009-10). Annual Report.
8. Government of West Bengal MSSE&T Department. (2013). Draft Textile Policy 2013-2018. Retrieved from <http://www.bengalchamber.com/economics/twestbengal-state-draft-textile-policy2013.pdf>
9. Joy, M. T., & Kani, R. M. (2013). Emerging Opportunities and Challenges for Cottage Industries in India. International Journal of Scientific and Research Publications, 3(3). Retrieved from <http://www.ijrp.org/research-paper-0313/ijrp-p1570.pdf>
10. Kumudha, & Rizwana. (2013). Problems Faced by Handloom Industry - A Study with Handloom Weavers' Co-operative Societies in Erode District. International Journal of Management and Development Studies, 1(2), 50-56. Retrieved from <http://ijmnds.in/journalfile/6Kumudha-669233.pdf>
11. Mishra, S. K., & Tiwari, V. K. (2015). The Role and Performance of Cottage and Small-Scale Industries in Indian Economy. Sai Om Journal of Commerce & Management, 2(4).
12. Narzary, J. (2013). A Study on the Challenges Faced by the Handloom Industry in BTAD, Assam. Global Research Methodology Journal, 11(8).
13. Niranjana, S., & Vinayan, S. (2001). Report on Growth and Prospects of the Handloom Industry. Study Commissioned by the Planning Commission.
14. Nor Azlina Ab Rahman, & Aliza Ramli. (2014). Entrepreneurship Management, Competitive Advantage and Firm Performances in the Craft Industry: Concepts and Framework. Procedia - Social and Behavioral Sciences, 145, 129-137.
15. Premsundar, B., & Kannan, J. (2013). Women In Handloom Industry: Problems And Prospects. EPRA International Journal of Economic and Business Review, 1(1).
16. Planning Commission Government of India. (2012). Report of the Steering Committee On Handlooms and Handicrafts, Constituted for the Twelfth Five Year Plan (2012 - 2017). Retrieved from http://handicrafts.nic.in/CmsUpload/22342016043422str_handloom0305.pdf
17. Planning Commission Government of India. (2014). Consultation Paper. Handloom. Retrieved from http://planningcommission.gov.in/reports/genrep/drft_cosulpapr_1410.pdf
18. Rao, K. V., & Chandrasekhar, M. (1998). Problems of Handloom industry. Kurukshetra, 45.
19. Rao, V. K., & Naga Raju, G. (2011). Can Handloom Regain Lost Glory? Market Survey. Facts For You, 31(8), 20-25. Retrieved from <http://efy.efymag.com/admin/issuepdf/handloom-may11.pdf>
20. Roy, A., & Chouhan, P. (2017). Socio - Economic Profile and Social Wellbeing of Handloom Industry Weavers of Gangarampur Block in Dakshin Dinajpur District of West Bengal, India. International Journal of Research in Geography, 3(3), 1-15. Retrieved from Sengupta, J. (July 2011). Indian Handicraft and Handloom Workers, Life and Working Conditions in Villages – A Brief Survey. Observer Research Foundation, 26(3). Retrieved from <https://www.orfonline.org/research/indian-handicraft-and-handloom-workers/%20/>
21. Shaw, T. (2015). A Study of the Present Situation of the Traditional Handloom Weavers of Varanasi, Uttar Pradesh, India. International Research Journal of Social Sciences, 4(3), 48-53. Retrieved from <http://www.isca.in/IJSS/Archive/v4/i3/8.ISCA-IRJSS-2014-310.pdf>
22. Shazli, T., & Munir, A. (2014). Female Work Participation in Handloom Industry-A Case Study of Mubarakpur Town, Azamgarh District, U.P. Journal of Education & Social Policy, 1(1), 76-83.
23. Singh, B. (2014). Handloom Industry in India: Problems and Prospects. Journal of Business Management and Information Systems, 1(1), 173-180. Retrieved from <http://www.isca.in/IJSS/Archive/v4/i3/8.ISCA-IRJSS-2014-310.pdf>
24. Singh, J., & Dhillon, S. S. (2006). Agricultural Geography. Tata McGraw-Hill Publishing Company Limited, New Delhi.
25. Singh, K., & Bansal, M. (2012). An analytical study of handloom industry in India. Radix International Journal of Research in Marketing, 1(12). Retrieved from <https://www.yumpu.com/en/document/view/49137968/analytical-study-of-handloom-industry-in-india-radix>
26. Shejwadkar, S. G., & Mahale, G. (2001). Handloom Products of Karnataka. Indian Journal of Marketing, 31.
27. https://www.researchgate.net/publication/326232226_
28. Uma, P. (2013). Role Of SMES in Economic Development of India. Asia Pacific Journal of Marketing & Management Review, 2(6).