

## Original Research Article

### **Constraints Faced by Loom Weavers Related to Production and Marketing of Weaved Products in Bhagalpur District of Bihar**

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#### **ABSTRACT**

The cloth and loom were a long history since the emergence of human beings on the earth. The Hindu epics, the Mahabharata and the Ramayana, the Vedas, the sacred books of Hindu mythology speak of the art of weaving. Loom work is proving a large-scale employment in rural and urban places and it is an ancient industry. Weaving is the traditional occupation in India as well as in Bhagalpur district of Bihar. Even though weavers form an integral part of the Indian loom industry, there is not enough recognition of their contribution to the sector due to various production and marketing constraints. It leads to poor economic conditions which casts doubt on their social security and future aspirations. Bhagalpur district of Bihar state selected for this study. 120 respondents were selected from 3 villages based on population of weavers in villages. The present study was conducted in year 2021-2022. The main constraints in production and marketing are revealed by respondents as scarcity of raw materials, insufficient weaving facility, COVID-19 lockdown, lack of cooperative support, high commission charges, less transportation etc.

**Keywords:** Constraints; Loom; Weaving; Weavers.

#### **1. INTRODUCTION**

India's textiles sector is one of the oldest industries in the Indian economy, dating back to several centuries. The industry is extremely varied, with hand-spun and hand-woven textiles sectors at one end of the spectrum, while the capital-intensive sophisticated mills sector on the other end. The decentralized power looms and knitting sector forms the largest component in the textiles sector. The close linkage of the textiles industry to agriculture (for raw materials such as cotton, jute, silk) and the ancient culture and traditions of the country in terms of textiles makes it unique in comparison to other industries in the country. India's textiles industry has a capacity to produce a wide variety of products suitable for different market segments, both within India and across the world.

It provides direct employment of over 45 million people and source of livelihood for over 100 million people indirectly, including a large number of women and rural population. The sector has perfect alignment with Government's key initiatives of Make in India, Skill India, Women Empowerment and Rural Youth Employment.

India's textiles industry contributed 7% to the industry output (by value) in 2018-19. The Indian textiles and apparel industry contributed 2% to the GDP, 12% to export earnings and held 5% of the global trade in textiles and apparel in 2018-19. The share of the India's textiles and apparel exports in mercantile shipments was 11% in 2019-20. Textiles industry has around 4.5 corer employed workers including 35.22 lakh handloom workers across the country. Cotton production is expected to reach 36.0 million bales and consumption is expected to reach 114 million bales in FY21-13% growth over the previous year. The domestic textiles and apparel market stood at an estimated US\$ 100 billion in FY19.

The production of raw cotton in India is estimated to have reached 35.4 million bales in FY20. During FY19, production of fibre in India stood at 1.44 million tonnes (MT) and reached 1.60 MT in FY20 (till January 2020), while that for yarn, the production stood at 4,762 million kgs during same period. Exports of textiles (RMG of all textiles, cotton yarn/fabs. /Made-ups/handloom products, man-made yarn, handicrafts, handmade carpets, carpets and jute including floor coverings) stood at US\$ 29.45 billion, as of March 2021

loom work is proving a large-scale employment in rural and urban places and it is an ancient industry. Weaving is the traditional occupation in India as well as in Bhagalpur district of Bihar. Weaving products are the common products used by public.

## **2.RESEARCH METHODOLOGY**

Multistage sampling method is used as it is dividing population into groups or clusters for conducting research for primary data collection. 10 village units were selected from Nathnagar block of Bhagalpur district where weaving is practiced extensively and out of these 30% approximately villages units were randomly selected for present study. In any case 400-500 looms are said to be operative at any given time. So out of total respondents 25% will be selected randomly i.e. 120 respondents. Data has been collected with the help of well-structured interview schedule related to constraints of production and marketing in weaving in that area. To interpret the results and to show the ranking among all constraints Garret ranking technique has been used.

### **2.1. TOOLS OF ANALYSIS**

Henry Garrett ranking technique has been used to rank the factors to identify the constraints faced by the respondents in the study area. In this method the respondents were asked to rank

their opinion regarding the problems faced by them in marketing and production. The order of merit given by the respondents was converted into ranks by using the following formula.

$$\text{Per cent position} = \frac{100 (R_{ij}-0.5)}{N_j}$$

Where,

- $R_{ij}$  = Rank given to the  $i^{\text{th}}$  attribute by the  $j^{\text{th}}$  individual
- $N_j$  = Number of attributes ranked by the  $j^{\text{th}}$  individual
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The percentage position of each rank thus obtained is converted into scores by referring to the Table given by Henry Garrett. Then for each factor the scores of individual respondents were added and divided by the total number of respondents for whom the scores were added. These mean scores for all the factors were arranged in order of ranks and from this inference were drawn.

Two separate tables have been made according to ranking for constraints in production and marketing.

## 2.2. OBJECTIVES

To identify different constraints faced by loom weavers in production and marketing in study area.

## 3.RESULTS AND DISCUSSION

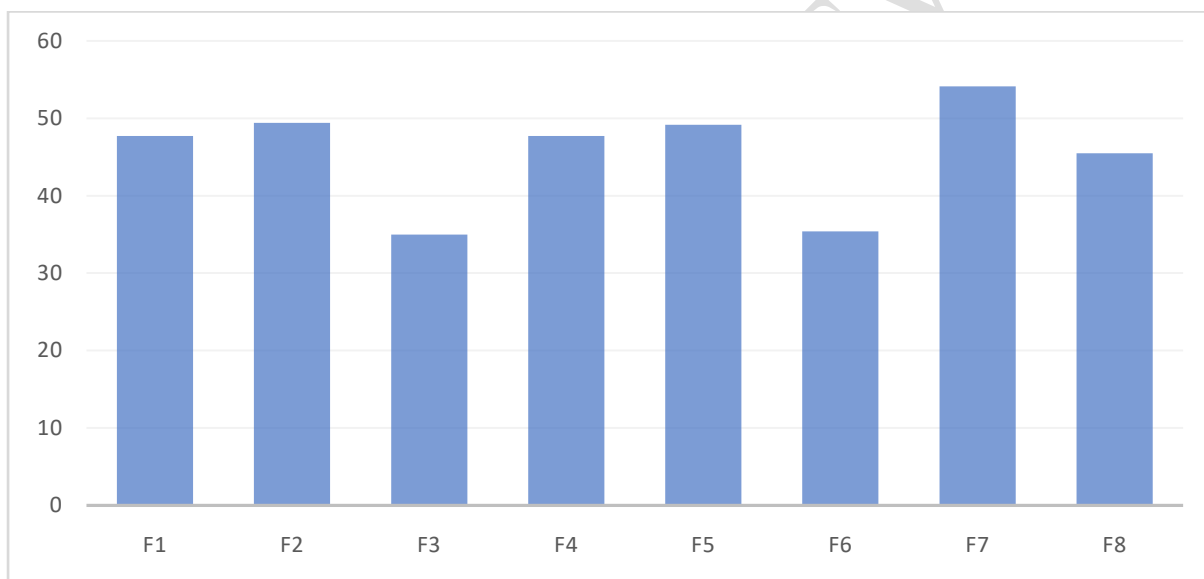
### 3.1 Constraints faced by weavers during production during weaving

It is implied from Table no.1 that of all the constraints faced by the weavers related to production ,the main constraints in production in weaving, in which rank 1<sup>st</sup> is given to Scarcity of raw material with mean score of 54.12 ,2<sup>nd</sup> rank given to seasonal constraints with mean score 79.16 ,3<sup>rd</sup> rank given COVID 19 related problems with garret mean score 49.43 ,4<sup>th</sup> rank given to dying problem 47.73 ,5<sup>th</sup> rank given to lack of technology 47.70 ,6<sup>th</sup> rank given to social and personal problem with garret mean score 45.48 ,7<sup>th</sup> rank given to Insufficient weaving facility and 8<sup>th</sup> rank given to High labour cost with score 34.99.

**Table 1. Constraints faced by weavers during production during weaving in study area.**

SL.No.	Major constraints in production faced by weavers	MEAN SCORE	RANK
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1	Lack of technology	47.70	V
2	COVID 19 lockdown	49.43	III
3	High labour cost	34.99	VIII
4	Dying problem	47.73	IV
5	Seasonal constraints	49.16	II
6	Insufficient weaving facility	35.40	VII
7	Scarcity of raw material	54.12	I
8	Social and personal problem	45.48	VI



**FIGURE 1. Constraints faced by weavers during production during weaving in study area. Group (F1, F2..... F8 -Constraints)**

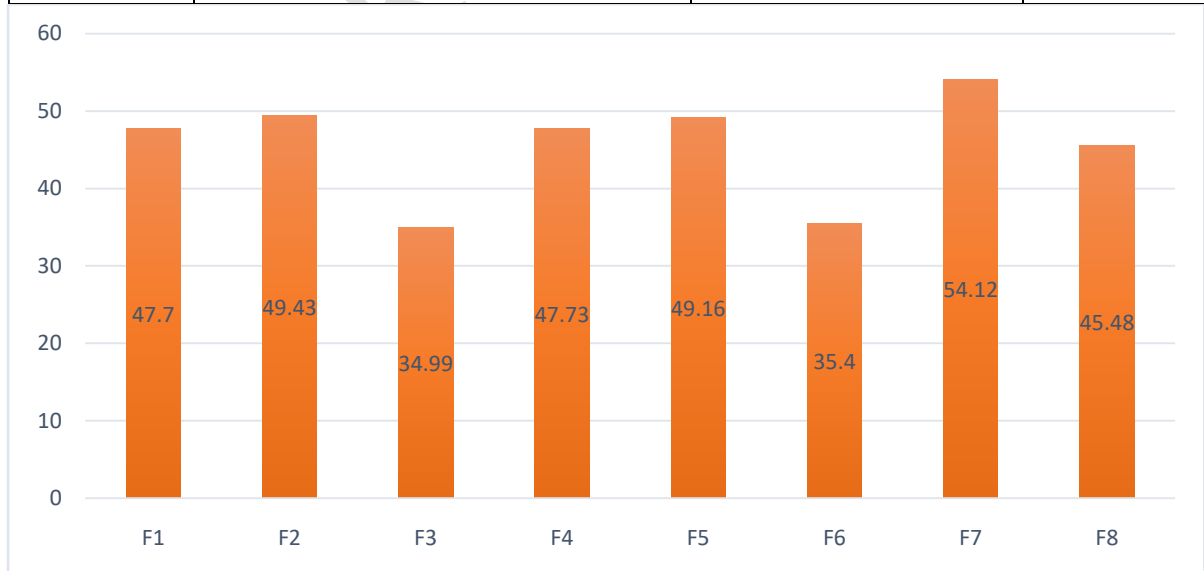
### **3.2. Constraints faced by weavers during marketing of weaved products**

The main constraint during marketing of weaved product faced by respondents of Bhagalpur district were as described and ranked. Major problem is given first rank i.e. Commission charges with garret mean score 52.17, 2nd rank is given to price fluctuation which is occurring on frequent basis with garret score 49.05, 3rd rank is given to problem of quantity loss during transportation of weaved products which is very soft and delicate to handle with score 47.83,

the 4<sup>th</sup> rank is given to narrow market network in which whole marketing function is going on with 47.73 score. 5<sup>th</sup> rank is given to the lack of cooperative support which is very necessary for the marketing, 6<sup>th</sup> rank is given to the problem of lack of storage facility for the weaved products produced, 7<sup>th</sup> rank is given to problem of less infrastructure in market, 8<sup>th</sup> rank is given to high transportation cost for marketing of the product with score 40.61.

**Table 2. Constraints faced by weavers during marketing of weaved products**

SL.No.	MAJOR PROBLEMS IN PRODUCTION FACED BY WEAVERS	MEAN SCORE	RANK
F1	Lack of technology	47.70	V
F2	COVID 19 lockdown	49.43	III
F3	High labour cost	34.99	VIII
F4	Dying problem	47.73	IV
F5	Seasonal constraints	49.16	II
F6	Insufficient weaving facility	35.40	VII
F7	Scarcity of raw material	54.12	I
F8	Social and personal problem	45.48	VI



**Figure 2. Constraints faced by weavers during marketing of weaved products**

## **Group (F1, F2.....F8 -Constraints)**

### **4.Conclusion**

Finding of present study reveals that major constraints in production and marketing of weaved products are like poor technology, COVID 19 lockdown, dying issues, scarcity of raw material even present but at very high cost and poor quality, some seasonal constraint also there like flood affecting weaving activity of Bhagalpur district every year in adverse way. The market infrastructure is present only in the name but not actually serving the need of weaver. The frequent price fluctuation also affecting the study area weavers enforcing them to take loan form at very high rate. It not only affecting them financially but also psychologically. Through this livelihood and income generation pattern study it was seen that many weaver's next generation are not able to get education and job opportunity properly. Many of them did not have any weaver's identity card which can help them in time of training. This affect the technology upgradation and product enhancement of weavers. Thus, in market they are unable to get reasonable price.

### **REFERENCES**

- 1.Desai, Vasant. (1983).** Problems and Prospects of Small-scale Industries in India, *Himalaya Publishing House, Bombay.*
- 2.Doraiswamy, R. (1996).** Silk Weaving in Karnataka: Consumption pattern” *Southern Economist, 35(12).*
- 3.Dhas, Christopher, Albert. & Helen. (2008),** Social security for unorganised workers in India.
- 4.Dutta, Chaitali.R. (2015).** Handloom Industry and Its Economic Impact study of Nagaon District with special focus on Gerjaipam Village, Scholar, Department of Economics, K K Handique State Open University, *International Journal of Interdisciplinary Research in Science Society and Culture (IJIRSSC) 1(2), ISSN: (P) 2395-4345, (O) 2455-2909,125.*
- 5.Ganesh, S. (2000).** Indian Textile Industry: stifled by warped policies” *Economic and political weekly, 27(12).*
- 6.Garrett HE, Woodsworth RS.** Statistics in Psychology and Education. Vakils, F effer and Simons Pvt., Ltd., Mumbai. 1969;329.

**7.Kumar, Chandan. Murray, V, Emmanuel. (2009).** Preparation of CSR blueprint aimed at weavers of Bhagalpur ,4-5.

Doi: 10.13140/RG.2.1.3427.0245

**8.Kumar, Suresh. Ganesh. (1998).** Economic Impact of Handloom co-operatives on weavers”, *Kurukshetra*, (11), 5.

**9.Kutty, C. N. (2000).** Bamboo weaving sector in Kerala: Current status and future possibilities. *Journal of Rural Development*, 19(3).

**10.Nimbalker, P.B. (2001).** Traditional Industries” *SIDBI Report on SSI Sector*

DO - 10.2307/4412389

**11.Pandey, Vivekanand. (2013).** Trends, opportunities and challenges in small scale and cottage industries in Uttar Pradesh, *Asian Journal of Technology & Management Research*, [ISSN: 2249 –0892] ,3 (2), p 1

**12.Prem Sundar, B. & Kannan, J. (2013).** Women in Handloom Industry: Problems and Prospects. *EPRA International Journal of Economic and Business Review*, 1(1)

**13.Rao, R, K. Subrahmanayam. (1997).** Handloom industry in Coastal Andhra Pradesh: Survey, *Kurukshetra* 28(6).

**14.Rao, V, K. & Chandrasekhar. (1998).** Problems of Handloom industry, *Kurukshetra*, 16.

**15.Salgar, Rajkumar. (2017).** Challenges of MSMEs handloom industry: With special reference to Gulbarga district, *IJCRT*, 5(3) ISSN: 2320-2882 ,5-6.

**16.Shaikh, R. Summaiya. (2013).** A Study of Factors Affecting Productivity of Power Loom Industries, *IJERT*, 2(12), ISSN 2278-0181, 4-5.

**17.Subbaraj, B. D., N, Joseph. (2004).** Product Strategies of Handloom Weavers Co-operative Societies – An Empirical Enquiry, *Indian Co-operative Review*, 41(3)

Doi: P.167-171.2004

**18.V, Raju. (2020).** Evaluating Economic Status of Rural Handloom Weavers in Arni Taluk, Tiruvannamalai District of Tamil Nadu, India, Kala Sarovar. (*UGC Care Group-1 Journal*), 23(2), 107.

**19.Available:** <http://texmin.nic.in/schemes/situ-powerloom-upgradation>.

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