Supplementary file

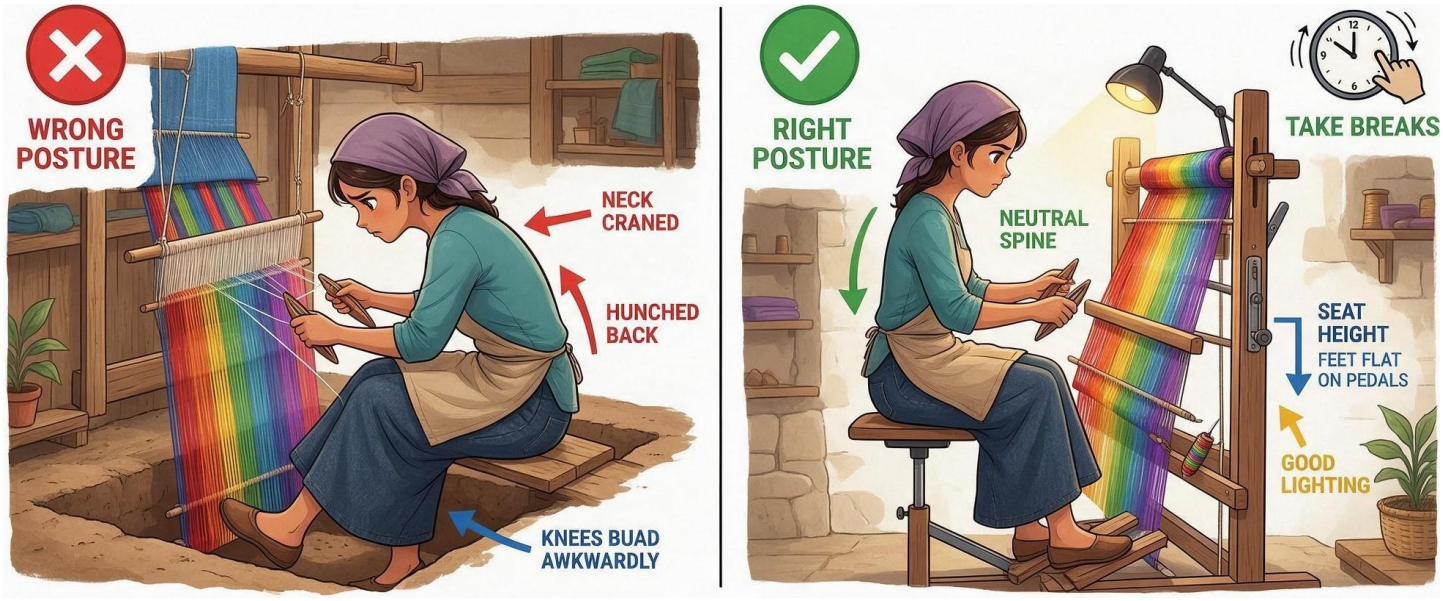


Figure1. The ergonomic figure illustrating the operation of the loom alongside the weaver's posture during the weaving process.

APPENDIX

Department of Geography and Environment
Pabna University of Science and Technology, Pabna

Questionnaire Survey

Weaving (Standing posture)

Exploring the health impacts of handloom weavers in Sirajganj district

Hello, my name is Mis Shukhi Khatun, and I am conducting a research study. The goal of this study is to understand the various health-related problems faced by handloom weavers due to their working environment and conditions. This survey aims to gather information about these challenges. Your participation will help us better understand the specific needs of handloom weavers and contribute to

improving disaster response and policy. Please rest assured that all information you provide will be kept confidential. Your responses will only be used for research purposes, and your identity will not be shared with anyone outside of the research team. Before we begin, I would like to confirm that you are comfortable participating in this survey. Your participation is entirely voluntary, and you can stop answering any question at any time. Thank you for your consideration.

Date:
Name of the respondents:

Section-A: **Socio-demographic** information of the weaver

1. **Gender**
   a) Male b) Female

2. **Age**
   a) 18-29 b) 30-44 c) 45-55

3. **Family size (Person)**
   a) 4 b) 5-8

4. **Educational status**
   a) Illiterate b) Primary School (1-5) c) High school to college (6-12)

5. **Monthly Income**

Section-A_1:

6. Mention the experience of health problems due to socio-demographic issues-

Health issues		**Yes**	**No**	**Severity**	**Probability**
Malnutrition					
Poverty related health					
Mental health					
Musculoskeletal pain	Neck				
	Shoulder				
	Lower back				
	Knee				

Section-B: **Working status**

7. How many years have you been a handloom weaver?
   a) 8-10 b) 10-15 c) 15 <

8. How many hours per day do you work on weaving?
   a) 8-10 b) 11-14

9. How many days per month do you typically work on weaving?
   a) 15-19 b) 20-30

10. What is your work posture throughout the day?
    a) Sitting b) Standing

Section-B_1: Impact of Working Conditions

11. Do you believe your working conditions contribute to your health impacts? (Yes/No)
    ✓ If yes, please select all health problems you currently experience

Health issues		**Yes**	**No**	**Severity**	**Probability**
Hearing problems					
Respiratory problem					
High blood pressure					
Musculoskeletal pain	Neck				
	Shoulder				
	Upper back				
	Lower back				
	Knee				
	Ankle				

Section-C: Working Environment

12. Do you experience any of the following in your workspace?

- Dust or other airborne particles
- Excessive noise
- Unhealthy floor
- Ergonomically inappropriate furniture or tools
- Exposure to hazardous chemicals

Section-C_1: Impacts of Working Environment

13. What are the Impacts of the Working environment?

Health issues	Yes	No	Severity	Probability
Hearing problems				
Eye strain				
Allergies				
Respiratory problem				
High Blood Pressure				
Other problems				

Section-D: Recommendation

14. Do you have any suggestions for initiatives or programs that could support the health of handloom weavers?

- Access to healthcare

- Health Education

15. Have you sought medical attention for any of these health problems? (Yes/No)

✓ If yes, please specify the type of treatment received.

16. In your opinion, how to reduce the negative impacts of health issues and how to overcome the problems?