

Appropriate Technology India (AT India)

ADMIN OFFICE

179, Kalyan Kunj, Panditwadi, Dehradun-248007, Uttarakhand, India

REQUEST FOR QUOTATION (RFQ)

For Supply of Handloom Machinery and Raw Materials in Kinnaur District

Date: 27/8/2025

1. Introduction

Appropriate Technology India (AT India), an Indian NGO registered under the Societies Act 1860 has been working in Uttarakhand since 1994 with dual objectives of biodiversity conservation and economic development. These objectives can be achieved only when the local communities secure economic and managerial control over their natural resources and have access to necessary information technical and financial support. This incentive motivates them to work actively toward the long-term conservation of these resources. This premise continues to inform AT India's strategy to assist village communities in Uttarakhand towards conserving their natural resources and biodiversity while developing economic opportunities through enterprise utilizing natural resources (natural resources-based products and NTFP) in an equitable, economically and environmentally sustainable manner.

2. Scope of Work

A. Handloom Machinery

- Type: Pit Loom Machine
- Quantity: 55 units
- Specifications:
 - Locally built as per Kinnauri practices.
 - Constructed from high-quality Deodar and/or Blue Pine wood for durability.
 - Must include all standard features (Khuta, Thorshing, Nakka, Kokroli, Chorkhi, Polshing) as per traditional Kinnauri loom design.
- **Technical Specification:**

Introduction:

Pit loom is a traditional weaving device widely used in handloom weaving practices. It is constructed using durable and locally available wood varieties, ensuring both strength and longevity. The design incorporates specific dimensions and traditional woodworking technique to maintain its functionality and cultural authenticity.

Primary wood – Blue pine, Rosewood, Sal, Deodar cedar

Dimensions:

S.No	Specifications	Measurement
1	Length	5-6 feet
2	Width	3-4feet
3	Depth	2- 2.5 feet
4	Height (loom frame)	2.5-3feet
5	Beem Diameter	3-4 feet

Joints:

- mortise joints & tenon joints use for assembling the structure.
- These joints enhance the durability and stability of the loom.

Protective treatment-

- Natural polish material**- 2 coats of polish & local yellow sticky soil is use in polish to make moisture resistant.
- Chemical paint** is also using for moisture resistance.

Major components of Pit loom:

- 1) **Kuta**- Made from Apple wood, Resh wood (local wood)
- 2) **Thorshing** – Prepared from Resh wood
- 3) **Nakka** – Made of Resh wood
- 4) **Kokroli**- Use of Sal, Resh wood
- 5) **Chorkhi**- Use of Sal or resh wood
- 6) **Polshing**- Prepared from walnut wood, Rosewood, Eucalyptus, Sal
- 7) **Dongi**- walnut, Rosewood, Sal wood
- 8) **Beem**- Pine wood for strength

Conclusion: the Pit loom represents a robust and sustainable weaving tool, blending traditional woodworking technique with natural and chemical treatments for enhanced durability. Its reliance on locally available woods and traditional joints ensures not only functionality but also cultural continuity in handloom weaving practices

B. Raw Materials

1. Threads (Warp - Taana & Weft - Baana):
 - Total Quantity: 237.6 kg (198 cones)
 - Specification: White, Black & Brown (each 39.6 kg for warp and weft respectively; one cone = 1.2 kg)

2. Design Threads (4 ply Skeins):

- Total Quantity: 4323 skeins
- Colors/Quantities:

Red: 693	Orange: 528	Violet: 462	Dark Green: 462
White: 429	Blue: 396	Light Green: 396	Light Yellow: 363
Maroon: 297	Black: 297		

3. Design Threads (2 ply Hanks):

- Total Quantity: 825 hanks
- Colors/Quantities:
Red, Dark Green, Violet, White, Orange, Light Green, Blue, Light Yellow (each 99); Maroon and Black (each 66)

3. Eligibility Criteria

- Must be a registered supplier/manufacturer of handloom machinery/raw materials.
- Proven experience in supplying similar machinery/materials to government or NGO projects.
- Ability to deliver quality products as per specified standards, within stipulated timelines.

4. Documents to be Submitted

Please submit the following along with your quotation:

- Firm profile / Company registration certificate
- PAN and GST registration copies
- Product catalogues / brochures (if available)
- At least two past work orders or client references
- Quotation on official letterhead (signed and stamped)

5. Delivery Location

Project villages, Kinnaur District, Himachal Pradesh (exact locations to be provided at the time of order placement).

6. Terms and Conditions

- Prices should be quoted **inclusive of all taxes, packaging, insurance, and delivery charges.**
- AT India reserves the right to accept or reject any quotation without assigning any reason.
- The lowest quote will not be the sole criterion for selection; quality and delivery capacity will also be considered.

7. Submission Deadline

All proposals must be received by 20/9/2025 at the following:

Contact for Clarification:

Address: ADMIN OFFICE 179, Kalyan Kunj, Panditwadi, Dehradun-248007, Uttarakhand, India

Email: Admin@atindia.org

Phone Number: +917618314144