

## HANDLOOM MADE OF METAL (Metal Loom)

### Specification

**(Points A: to G: is to be considered while evaluating the cost)**

**A:** Loom measurement: 60 inch loom.

**All measurement is in INCH**

Item	Length നീളം	Width വീതി	Height ഉയരം	Thickness കനം
Metal loom	70	70	70	3x3 (complete outer frame)

**B:** The loom should also have wooden accessories which are explained as follows:

**All measurement is in INCH**

Item	Length നീളം	Width വീതി	Thickness കനം	Number എണ്ണം	Kol കോല്
Beater (റെയിൽ)	110	4.5	2.5	1	3.68
Muttu Padi (മുട്ട് പടി)	100	4.5	2	1	2.67
Petti Pala (പെട്ടി പല)	20	4.5	1.25	4	1.33
Kuthu Kai (കുത്തു കൈ)	45	10	1.25	2	3.34
Pakshi Kai (പക്ഷി കൈ)	22	2.25	1.5	2	0.44
Pakshi Pala (പക്ഷി പല)	6	3	0.5	2	0.06
Shaft Bars i.e. Rakka Kol (റക്ക കോല്)	65	1.25	1	8	1.93
Countermarch shafts/bars i.e. kali Kai (കളി കൈ)	20	2	1.25	8	1.19
Treadles (ഇല കൈ & കാൽ)	47 70	2.5 2.5	1.5 1.5	8 2	4.19 1.56
Shuttle (Normal)					

**Type of the wood:** Venganna (വെങ്കണ്ണ) or Chadachil (ചടചിൽ)

**C:** The wooden beater should have height adjuster and the front and back movement of the beater while weaving the fabric should be hurdle free.

**D:** Fiber chair with back support instead of normal bench and the ergonomics be comfortable to the weaver. The seat should also be equipped with automatic self controlling hydraulic height adjustment.

**E:** The machine should be installed / equipped with an air mechanism / fan (non electrical but fully mechanical) for the weaver to have a cooling effect and reduce body humidity while weaving the fabric.

**F:** The frame should be detachable and therefore should be fixed with nuts and bolts. The tenderer should develop the machine in such a way that the whole unit can be dismantled from one site and assembled easily to any other customer site. It should be ensured that the loom should not have any vibration while weaving the fabric.

**G:** All the rest will be of metal i.e. pawls, wheels, warp stick catcher, upper and lower lamm, side frames.

### **Thickness and quality of the metal**

- All metal frame / beams should be of 3 inch square 14 gauge GI pipe.
- Ratchet wheel should be of hard metal.
- Warp stick catcher or warp roller outer frame should be of 90cm heavy pipe.
- The frame has to be coated with epoxy primer and 1 coat paint which gives the machine a wooden texture.

## **Terms & Conditions**

- Rates are to be quoted inclusive of all type of taxes / fees and charges, if any and must be quoted both in figure and in words.
- The rates should also be inclusive of the delivery charges up to the concerned places in Kannur district.
- The tenders have to submit earnest money/security deposit in the form of demand draft
- Income Tax or any related Tax (TDS) at source will be deducted as per Government rate at the time of payment of bills.
- Loading and unloading charges are to be met by the supplier.

