



# SITRA's SERVICES FOR WEAVING MILLS

## Sample Weaving

SITRA has recently installed a sample weaving facility from CCI-Taiwan. This facility consists of a sample warping machine, a single end sizing machine and a sample weaving loom. With this new facility, fabric samples of 0.5 metre width and 2 metres length can be made using a sample cone yarn. This would give a fair idea of yarn appearance on woven fabric (quality) which would greatly help weavers in their weaving plans. The machinery details are as follows:



LUTAN – V-3.6: Warping machine for making sectional warping beam of 10 – 250 metres length at 2200mm width.

CCI : Single end Warper

CCI : Single end sizing

CCI : Sample weaving machine



## Hi-Tech Looms

SITRA's weaving department has a range of looms using which mills can undertake sample weaving, product development and product re-engineering, etc.

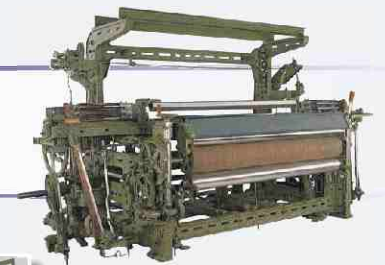
The weaving department is equipped with the following Looms:

- 1) 190 cm – PICANOL Rapier loom – GTX-Plus – 4 Colours
- 2) 190 cm – Dornier Airjet loom – CAM – 4 Colours
- 3) 190 cm – Toyota JAT - 710 Airjet loom – CAM – 2 Colours
- 4) 390 cm – Sulzer Projectile loom – PU Model dobby – 2 Colours
- 5) 390 cm – Sultex Itema Projectile loom – P7300 HP CAM – 2 Colours



## Shuttle Loom

- 1) Narrow width shuttle loom
- 2) Ruti 'C' type 120cm CAM loom
- 3) Cimmco Auto loom – 150cm



## Needle Loom

- 1) Jakob Muller Needle loom – 1



The above machinery are available for sample weaving, Product development, Product re-engineering etc.

For details Please contact:

### Weaving and Knitting Division

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The woven fabrics can be tested on the following parameters for Re-engineering purpose.

## Re-engineering



- \* Warp and weft yarn count
- \* Ends/Inch
- \* Picks/Inch
- \* Fabric width
- \* Fabric length and width
- \* Weave
- \* Fabric design
- \* Selvedge details
- \* Type of loom



The department offers consultancy on a variety of technical areas as follows:

## Technical Consulting



- \* Machinery quality / maintenance audit
- \* Machinery inspection / valuation
- \* Project planning
- \* Project report
- \* Product development
- \* Techno-economic viability study
- \* Labour audit and assessment as per the requirement
- \* Time and motion study
- \* Process and quality control audit
- \* Fabric costing, cost control and cost reduction study
- \* Defect analysis- causes and remedial measures
- \* Suggestions for process and quality improvements
- \* Sizing process and quality control study
- \* Fabric inspection as per buyer requirement
- \* Fabric quality assessment
- \* Liaison visit



## Training



- \* Weavers training programme in shuttleless weaving machines.
- \* Maintenance training programme for fitters in shuttleless weaving machines.
- \* Supervisory development programme.
- \* Entrepreneur development programme for new entrepreneurs to start the weaving units.
- \* Conducting in-house training programme for weaving/sizing units.
- \* Dobby designing and fabric analysis
- \* Computer aided textile Jacquard designing
- \* Fabric costing and yarn calculation

*\* All the training programmes can also be offered to mills at their premises as well, in a customized manner.*

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