

CURRICULUM

SILK WET PROCESSING MANUFACTURER

SECTOR:	TEXTILE
SUB-SECTOR:	SILK
OCCUPATION:	MANUFACTURER
REFERENCE ID:	TEXTILES COMMITTEE (RSA)/ TC SILK 04
ALIGNED TO:	NCO-2015/8154.1100
NSQF level:	4

CURRICULUM / SYLLABUS:

This program is aimed at training candidates for the job of a “Silk Wet Processing Manufacturer”, in the “textile” sector/industry and aims at building the following key competencies amongst the learner.

Programme name	SILK WET PROCESSING MANUFACTURER
Qualification Pack Name & Reference ID.	SILK WET PROCESSING MANUFACTURER TEXTILES COMMITTEE (RSA)/ TC SILK 04
Version No.: 1.0	Version Update Date: 04/08/2019
Pre-requisites to Training:	10 th Standard with 1 year experience in relevant field
Training Outcome:	After completing this programme, participants will be able to: <ul style="list-style-type: none">• Understand orientation of Silk Fibres, Fibre Sources and role of silk Industry• Understand the Silk Wet Processing Technology• Plan Production and Operating of Silk Wet Processing Machines• Understand the Quality Aspects in Silk Wet Processing Industry• Understand Soft Skills to Improve Safety, Behaviour, Hygiene, Attitude, etc.

This course encompasses 5 out of 5 Compulsory National Occupational Standards (NOS) of “SILK WET PROCESSING MANUFACTURER” Qualification Pack issued by TEXTILES COMMITTEE (RSA).

Sl. No.	Modules (NOS) of “Silk Wet Processing Manufacturer”	Key Learning Outcome	Equipments Required
1	<p>Introduction to Silk Fibres, Fibre Sources and Industry</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 4:00</p> <p>Corresponding NOS Code TEXTILES COMMITTEE RSA /N 0401</p>	<ul style="list-style-type: none"> • Introduction to silk fibres • Importance of silk fibres, yarns and fabric materials • Indian silk industry and its role in employment 	<p>Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>
2	<p>Understanding of Silk Wet Processing Technology</p> <p>Theory Duration (hh:mm) 16:00</p> <p>Practical Duration (hh:mm) 40:00</p> <p>Corresponding NOS Code TEXTILES COMMITTEE RSA /N 0402</p>	<ul style="list-style-type: none"> • Introduction to Silk Wet Processing • Importance of wet processing of silk • Silk processing – degumming, bleaching, dyeing, printing and finishing • Requirement Water quality for silk processing • Silk Weaving Clusters & its role in promoting Silk Wet Processing industry • Financial 	<p>1. common for every batch: poster/video visuals for work method</p> <p>2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>

		Management & Accounting for Silk Industry	
3	<p>Production Planning and Operating of Silk Wet Processing Machines</p> <p>Theory Duration (hh:mm) 26:00</p> <p>Practical Duration (hh:mm) 62:00</p> <p>Corresponding NOS Code</p> <p>TEXTILES COMMITTEE</p> <p>RSA /N 0403</p>	<ul style="list-style-type: none"> • Assessment & batching of raw silk yarns. • Operating machines like degumming, bleaching, dyeing printing, finishing. • Dyeing of silk with acid dyes, metal-complex dyes, natural dyes, reactive dyes • Advances in silk processing • Machine, water softening and boiler maintenance • Chemicals and auxiliaries handling 	<p>1. common for every batch: poster/video visuals for work method</p> <p>2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>
4	<p>Quality Aspects in Silk Wet Processing Industry</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 18:00</p> <p>Corresponding NOS Code</p> <p>TEXTILES COMMITTEE</p> <p>RSA /N 0404</p>	<ul style="list-style-type: none"> • Assessment of defects in raw silk yarn • Causes and remedies in silk wet processing • 	<p>1. common for every batch: poster/video visuals for work method</p> <p>2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>
5	<p>Soft Skills to Improve Safety, Behaviour, Hygiene, Attitude, etc.</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration</p>	<p>PC4. Silk Preparatory Processes: Degumming and Bleaching</p>	<p>1. A sample of following items for each trainee: apron, head cap, nose mask, ear plug, shoes</p> <p>2. common for every batch: first aid materials,</p>

	(hh:mm) 04:00 Corresponding NOS Code TEXTILES COMMITTEE RSA /N 0405		fire extinguisher, work method posters/pictures, 3. Class room requirements: 25 people seating capacity with a screen and projector.
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Sl. No.	Training on Silk Wet Processing Manufacturer	Number of Hours	
		Theory	Practical
1	Introduction to Silk Fibres, Fibre Sources and Industry	12	04
2	Understanding of Silk Wet Processing Technology	16	40
3	Production Planning and Operating of Silk Wet Processing Machines	26	62
4	Quality Aspects in Silk Wet Processing Industry	06	18
5	Soft Skills to Improve Safety, Behaviour, Hygiene, Attitude, etc.	12	04
	Sub-Total	72 (36%)	128 (64%)
	TOTAL	200	

Grand Total Course Duration: 200 Hours, 0 Minutes