

# CURRICULUM

## VANY SILK REELING & SPINNING MANUFACTURER

<b>SECTOR:</b>	<b>TEXTILE</b>
<b>SUB-SECTOR:</b>	<b>SILK</b>
<b>OCCUPATION:</b>	<b>MANUFACTURER</b>
<b>REFERENCE ID:</b>	<b>TEXTILES COMMITTEE (RSA)/ TC SILK 01</b>
<b>ALIGNED TO:</b>	<b>NCO-2015/8151.1300</b>
<b>NSQF level:</b>	<b>4</b>

### CURRICULUM / SYLLABUS

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

<b>Programme name</b>	VANYA SILK REELING & SPINNING MANUFACTURER.
<b>Qualification Pack Name &amp; Reference ID.</b>	TASAR AND MUGA SILK REELING AND ERI SPINNING MANUFACTURER. TEXTILES COMMITTEE (RSA)/ TC SILK 01
<b>Version No.: 1.0</b>	Version Update Date: 04/08/2019
<b>Pre-requisites to Training:</b>	10 Standard Pass 1 year of experience in Tasar and Muga Silk Reeling and Eri spinning Manufacturer industry.
<b>Training Outcome:</b>	After completing this programme, participants will be able to: <ul style="list-style-type: none"><li>• Plan for Tasar, Muga and Eri cocoon procurement and assessing for cocoon weight and shell weight for grading and fixing the cocoon price.</li><li>• Identify skills required for labours for various Tasar and Mug reeling and Eri spinning activities</li><li>• Assessment of quality of Tasar, Muga and Eri cocoons suitable for production of quality raw silk/Spun silk.</li><li>• Production planning and operator allocation in the Tasar and Muga reeling and Eri spinning unit.</li><li>• Monitor the production of Tasar and Muga raw silk yarn and Eri spun silk yarn activities.</li><li>• Monitor works related to quality aspects of drying, degumming, cooking, deflossing reeling, spinning, re-reeling, skein making and packing of raw silk.</li><li>• Working in a team</li><li>• Maintain health, safety and security at workplace</li><li>• Comply with industry and organizational requirement</li></ul>

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

Sl. No.	Modules (NOS) of “Vanya Silk reeling and Spinning Manufacturer”	Key Learning Outcome	Equipments Required
1	<p>Introduction to Silk Fibres, fibre sources and Industry</p> <p>Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code: TEXTILES COMMITTEE RSA /N 0101</p>	<ul style="list-style-type: none"> <li>• Gain knowledge on the institute</li> <li>• Gain knowledge on the faculty</li> <li>• Gain knowledge on training requirements</li> <li>• Gain knowledge on basic skills of communication</li> <li>• Understand the role of Tasar and Muga silk reeling and Eri spinning manufacturer</li> <li>• Plan for the writing Pre test.</li> </ul>	<p>Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>
2	<p>Understanding of Vanya Silk reeling and Spinning Technology</p> <p>Theory Duration (hh:mm) 16:00 Practical Duration (hh:mm) 40:00</p> <p>Corresponding NOS Code : TEXTILES COMMITTEE RSA /N 0102</p>	<ul style="list-style-type: none"> <li>• Identification of quality of Tasar ,Muga and Eri cocoons and its drying, sorting and storing.</li> <li>• Gain knowledge on peduncle cutting Muga and Tasar cocoon cooking, Eri cocoons degumming, deflossing, reeling, spinning, re-reeling and silk finishing.</li> <li>• Gain knowledge on, Improved Vanya reeling machineries Mill spinning.</li> <li>• Identification of quality of raw silk/Spun silk.</li> <li>• Identification of Tasar Muga and Eri</li> </ul>	<p>1. Common for every batch: poster/video visuals for work method 2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>

		<p>silk marketing / sales methodologies.</p> <ul style="list-style-type: none"> <li>• Gain knowledge on financial aspects of Tasar and muga silk reeling and Eri spinning unit.</li> <li>• Ensure proper knowledge of motivational aspects.</li> <li>• Ensure proper knowledge of schemes.</li> <li>• Gain knowledge on marketing aspects.</li> <li>• Know about organizational and industry standards</li> <li>• Know the requirements for self development</li> <li>• Gain knowledge on various health hazards relevant to workplace and basic first aid training.</li> </ul>	
3	<p>Operating of Vanya Silk reeling and Spinning Machines</p> <p>Theory Duration (hh:mm) 26:00 Practical Duration (hh:mm) 62:00</p> <p>Corresponding NOS Code : TEXTILES COMMITTEE RSA /N 0103</p>	<ul style="list-style-type: none"> <li>• Planning of production in the Tasar and Muga silk reeling and Eri spinning.</li> <li>• Practical assessment of quality of cocoons and cocoon drying, sorting and storing.</li> <li>• Gain knowledge on practical aspects of Muga and Tasar cocoon cooking, Eri cocoon degumming reeling, spinning, re-reeling and silk finishing.</li> <li>• Practical aspect of Improved Vanya</li> </ul>	<p>1. Common for every batch: poster/video visuals for work method 2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>

		<p>reeling machineries Mill spinning.</p> <ul style="list-style-type: none"> <li>• Identification of quality of Muga and Tasar raw silk and Eri Spun silk.</li> <li>• Boiler operations and working knowledge.</li> <li>• Maintenance and cleaning activities of machines, equipments and Vanya silk reeling/Spinning machinery.</li> <li>• Ensure suitable by-product utilization.</li> <li>• Ensure proper production of uniform Tasar and Muga quality raw silk and Eri spun silk</li> </ul>	
4	<p>Quality Aspects in Tasar Reeling Eri/waste Spinning Industry</p> <p>Theory Duration (hh:mm) 6:00 Practical Duration (hh:mm) 18:00</p> <p>Corresponding NOS Code : TEXTILES COMMITTEE RSA /N 0104</p>	<ul style="list-style-type: none"> <li>• Gain knowledge on Tasar, Muga and Eri cocoon procurement.</li> <li>• Gain knowledge on Tasar, Muga and Eri cocoon testing and cocoon quality aspects.</li> <li>• Practical judgement of cocoon grading and price fixing.</li> <li>• Ensuring the working of Tasar and Muga silk reeling unit and Eri spinning Unit.</li> <li>• Gain knowledge on Improved Vanya reeling/spinning machineries and Mill spinning unit running</li> <li>• Ensuring the by-</li> </ul>	<ol style="list-style-type: none"> <li>1. Common for every batch: poster/video visuals for work method</li> <li>2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</li> <li>3. Bus to carry them to field visit.</li> </ol>

		<p>product utilization.</p> <ul style="list-style-type: none"> <li>• Ensure reduction in cost of production Tasar and Muga silk yarn and Eri spun silk.</li> <li>• Produce quality Tasar and Muga raw silk and Eri spun silk required by market.</li> <li>• Maintaining process parameter in Tasar and Muga silk reeling, Eri silk spinning ,re-reeling and boiler.</li> <li>• Utilization of Tasar and Muga raw silk and Eri spun silk in weaving units.</li> </ul>	
5	<p>Soft Skills to Improve Safety, Behaviour, Hygiene, Attitude, etc.</p> <p>Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code : TEXTILES COMMITTEE RSA /N 0105</p>	<ul style="list-style-type: none"> <li>• Understand the team work and its importance</li> <li>• importance of the communication and attitude while working</li> <li>• Taking care of personal hygiene</li> <li>• Knowledge on various health hazards relevant to workplace and basic first aid training.</li> <li>• Identify and select right equipment such as fire extinguisher &amp; based on type of fire.</li> <li>• Become good practice on first aid, fire fighting etc.</li> </ul>	<p>1. Common for every batch: poster/video visuals for work method 2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>

Title of component and Identification code/NOSs/Learning outcomes	Estimated size (learning hours)		Level
	Theory	Practical	
TEXTILES COMMITTEE (RSA) / N 01 Introduction to Silk Fibres, fibre sources and Industry	12	4	
TEXTILES COMMITTEE (RSA) / N 02 Understanding of Vanya Silk reeling and Spinning Technology	16	40	4
TEXTILES COMMITTEE (RSA) / N 03 Operating of Vanya Silk reeling and Spinning Machines	26	62	
TEXTILES COMMITTEE (RSA) / N 04 Quality Aspects in Tasar Reeling Eri/waste Spinning Industry	6	18	
TEXTILES COMMITTEE (RSA) / N 05 Soft Skills to Improve Safety, Behaviour, Hygiene, Attitude, etc.	12	4	
<b>sub total</b>	<b>72 (36%)</b>	<b>128 (64%)</b>	

Grand Total Course Duration: 200 Hours, 00 Minutes