Annexure 6.1: Defining Textile Clusters

For both handloom and power loom sectors, the Ministry of Textile provides set definitions for identifying clusters in the following ways:

Handloom Clusters: The handloom cluster may be defined as a place where there is a large concentration of handlooms, producing handloom fabrics that would be in tune with the market demands. These handlooms could be located in close proximity in two adjoining revenue sub-divisions/villages within an administrative district or across two (mostly adjoining) districts. In smaller & hilly States, where the villages/ sub-divisions are of smaller size, the number of villages/sub-divisions may be increased to ensure the minimum critical size of the cluster. In many clusters across the country, the number of handlooms are much higher but for the purpose of the scheme, the size of cluster will be restricted to the part of cluster having handlooms in the range of 200 - 500 and 2000-5000, as per the MoT guidelines[20]. As on date, 715 handloom clusters have been taken up for financial assistance of Rs. 533.2 crore[21]. As per the guidelines, Comprehensive Handloom Cluster Development Scheme (CHCDS) is implemented for development of mega handloom clusters, having at least 15,000 looms per cluster with Government of India share up to Rs 40 crore in a period of 5 years[22]. The idea behind forming clusters is to focus on formation of weavers" groups as a visible entity so that the groups become self-sustainable. Under this, ten mega handloom clusters have been identified in 8 States under Comprehensive Handloom Cluster Development Scheme (CHCDS)[23] scheme given as follows: Assam (Sivasagar), Uttar Pradesh (Varanasi), Tamil Nadu (Virudhunagar and Trichy), West Bengal (Murshidabad), Jharkhand (Godda & neighbouring district.), Andhra Pradesh (Prakasam & Guntur district), Bihar (Bhagalpur) and Manipur (East Imphal) according to the Ministry of Textiles.

Power loom Clusters: According to the guidelines for the various components of PowerTex India, under Comprehensive Scheme for Power loom Sector Development, Office of Textile Commissioner, MoT, GoI, the power loom cluster may be defined as a place where there is at least 200 power loom units or at least 2,000 power looms located within the 50 km periphery and are producing fabrics[24]. Under Textile Cluster Development Scheme (TCDS), the list of 5 power loom mega clusters is given as follows: Erode (Tamil Nadu), Ichalkaranji (Maharashtra), Surat (Gujarat), Bengaluru (Karnataka), and Karanj (Gujarat).

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[20] Guidelines for Implementation of Comprehensive Handlooms Development Scheme (CHDS), A Component of "National Handloom Development Programme", Dec 2013, Office of the Development Commissioner for Handlooms, Ministry of Textiles. Link: https://industries.delhi.gov.in/sites/default/files/generic_multiple_files/chds.pdf; Also mentioned in PIB article published by MoT dated April 29, 2013. Link: https://pib.gov.in/newsite/PrintRelease.aspx?relid=95221

[21] Key-initiatives/achievements for promotion of handloom sector from 2014-15 to 2024-25 (as on 30.06.2024), Document by Office of DC handlooms, MoT, GoI, Link: https://handlooms.nic.in/assets/img/Statistics/Key%20Achivements%20in%20India%20(1).pdf

[22] Comprehensive Handloom Cluster Development Scheme, Press Information Bureau, Government of India, Ministry of Textiles, published on Jan 3, 2019. Link**:**

[23] As per Annual Report 2022–23, Ministry of Textiles, GoI. Link: https://pib.gov.in/Pressreleaseshare.aspx?PRID=1558446#:~:text=Comprehensive%20Handloom%20Cluster%20Development%20Scheme&text=As%20per%20the%20guidelines%2C%20Comprehensive,a%20period%20of%205%20years.https://texmin.nic.in/sites/default/files/English%20Final%20MOT%20Annual%20Report%202022–23%20%28English%29_0.pdf

[24] Ministry of Textiles, Government of India. 2013. Office Memorandum: "Minutes of the Standing Finance Committee held on 8.10. 2013. For approval the proposal for continuation and modification of Integrated Scheme for Power loom Sector Development". http://txcindia.gov.in/html/INTEGRATED_SCHEME_FOR_POWER LOOM.pdf. October 24. and https://texmin.nic.in/sites/default/files/Guidelines%20of%20PowerTex%20India%20Scheme.pdf

Annexure 6.2: List of Data Sources

S.No.	*Dimension/ Pillar*	*Indicator*	*Source of data*	*State-wise data available (Yes/No)*	*District-wise data available (Yes/No)*
1	Institutional/ Government	Number of Factories	Annual Survey of Industries 2021-22, MoSPI, Govt. of India	Yes	No
2	Institutional/ Government	Number of Weaving Units	Enterprise Survey of Unincorporated Enterprises, 2021–22, MoSPI, (GoI)	Yes	No
3	Institutional/ Government	No of units of handloom / Power loom	Ministry of Textiles, GoI	Yes	No
4	Gender/ Government	No of women workers for handloom	Ministry of Textile, GoI	Yes	No
5	Government	List of mega clusters- handloom / Power loom	Ministry of Textiles, GoI	Yes	District names given
6	Government	State wise list of clusters 2015-23[25]	Ministry of Textiles, GoI	Yes	District / cluster given
7	Institutional/ Government	State-wise list of products for Handlooms	4th Handloom Census 2019-20, office of DC Handlooms, Ministry of Textiles, GoI	Yes	No

Source: NCAER Compilation.

[25] State-wise number of Clusters sanctioned under National Handloom Development Programme (NHDP) & Comprehensive Handloom Cluster Development Scheme (CHCDS) during 2015-16to 2021-22 (till date)

https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fhandlooms.nic.in%2Fassets%2Fimg%2FHandloom%2520Clusters%2F2500.xlsx&wdOrigin=BROWSELINK.

Annexure 6.3: Occupation Mapping from Periodic Labour Force, NCO-2015 and Textile Sector Skill Council Job Roles

NCO 3-Digit	*NCO 8-Digit*	*NCO Job roles*	*TSC Job Role Code*	*TSC Job Role Detail*
112		Managing Directors and Chief Executives		
	1120.1700	Working Proprietor, Manufacturing/Proprietor, Manufacturing		
	1120.1800	Director Manufacturing		
	1120.2800	Director, Storage and Warehousing		
121		Business Services and Administration Managers		
	1211.9900	Finance Managers, Others		
	1212	Human Resource Managers		
	1212.0100	Personnel Manager		
	1212.9900	Personnel and Industrial Relations Managers, Other		
	1213	Policy and Planning Managers		
	1213.0101	Quality Assurance Standards In-Charge		
	1213.0102	Manager – Customer Quality		
	1213.0201	Area Service Manager		
	1219	Business Services and Administration Managers Not Elsewhere Classified		
	1219.0100	Manager, Import and Export		
122		Sales, Marketing and Development Managers		
	1221	Sales and Marketing Managers		
	1221.0100	Sales Manager (Wholesale Trade)		
	1221.0200	Sales Manager (Retail Trade)		
	1221.9900	Sales and Marketing Managers, Other		
	1222	Advertising and Public Relation Managers		
	1222.0100	Manager, Advertising and Promotion		
	1222.0200	Manager, Fashion/Fashion Manager		
	1222.9900	Advertising and Public Relations Department Managers, Others		
	1223	Research and Development Managers		
132		Manufacturing, Mining, Construction and Distribution Managers		
	1321	Manufacturing Managers		
	1321.0100	Manager, Electricity		
	1321.0300	Manager, Gas		
	1321.0400	Manager, Water Supply		
	1321.0600	Manager, Manufacturing		
	1321.0700	General Manager, Electricity		
	1321.0800	General Manager, Gas		
	1321.0900	General Manager, Water Supply		
	1321.1000	General Manager, Manufacturing		
	1321.9900	Manufacturing Managers, Other		
	1324	Supply, Distribution and Related Managers		
	1324.0100	Manager, Material Control/Manager Materials		
	1324.0200	Manager, Transport		
	1324.0800	Manager, Flight Operation		
	1324.1200	Manager, Storage and Warehousing		
	1324.1300	Goods Supervisor, Railway		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	1324.1400	Goods Supervisor, Road Transport		
	1324.2100	General Manager, Transport		
	1324.2200	General Manager, Storage and Warehousing		
	1324.9900	Supply, Distribution and Related Managers and General Managers, Other		
134		Professional Services Managers		
	1346	Financial and Insurance Service Branch Managers		
	1346.0100	Manager, Bank		
	1346.0200	Manager, Insurance		
	1346.9900	Financial and Insurance Service Branch Managers, Other		
142		Retail and Wholesale Trade Managers		
	1420	Retail and Wholesale Trade Managers		
	1420.0100	Manager, Wholesale Trade		
	1420.0200	Manager, Retail Trade		
	1420.0300	Manager, Export		
	1420.0400	General Manager, Wholesale Trade/Senior Manager, Wholesale Trade		
	1420.0500	General Manager, Retail Trade, Senior Manager, Retail Trade		
	1420.9900	Retail and Wholesale Trade Managers, Other		
214		Engineering Professionals (Excluding Electrotechnology)		
	2141.1000	Textile Technologist		
	2141.1200	Jute Technologist		
	2141.1300	Fibre Technologist		
	2141.1400	Spinning Master		
	2141.1500	Weaving Master		
	2141.1600	Dyeing and Bleaching Master (Textiles)		
	2141.1700	Printing Master (Textile)		
	2141.2400	Printing Technologist		
	2141.2500	Safety Engineer		
	2141.2600	Occupational Health and Safety Specialist		
216		Architects, Planners, Surveyors and Designers		
	2163	Product and Garment Designers		
	2163.0100	Package Designer/Packaging Designer		
	2163.0500	Fashion Designer		
	2163.0600	Textile Designer		
	2166	Graphic and Multimedia Designers		
	2166.0300	Web Designer		
241		Finance Professionals		
	2411	Accountants		
	2411.0100	Accountant		
	2411.0101	Associate – Transactional Finance & Accounting		
	2411.0200	Auditor		
	2411.0300	Cost Accountant		
	2412	Financial and Investment Advisors		
	2412.0100	Financial Examiner		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	2412.0200	Financial Analyst		
	2412.0300	Budget Analyst		
	2412.0400	Risk Management Analyst		
	2412.0600	Commission Agent		
	2412.9900	Financial and Investment Advisors, Other		
	2413	Financial Analysts		
242		Administration Professionals		
	2424	Training and Staff Development Professionals		
	2424.0100	Manpower Officer/Area Manager, Human Resource		
	2424.0200	Employment Officer/Operation Head, Employment		
	2424.0300	Human Resource Manager		
	2424.9900	Training and Staff Development Professionals, Other		
251		Software and Application Developers, and Analysts		
	2511	System Analysts		
	2511.0103	Engineer – Packaging		
	2511.0104	Engineer – Product Lifecycle Management (PLM)		
	2512	Software Developers		
	2512.0100	Computer Programmer/Software Engineer		
	2513	Web and Multimedia Developers		
311		Physical and Engineering Science Technicians		
	3113	Electrical Engineering Technicians		
	3113.0200	Electrical Technician (High Voltage)		
	3113.0401	Machine Maintenance Technician		
	3118	Draught persons		
	3118.0800	Tracer		
	3118.0900	Blue Printer		
	3118.9900	Draught persons, Other		
	3119	Physical and Engineering Science Technicians Not Elsewhere Classified		
	3119.0800	Fire Prevention Officer		
	3119.0900	Fire Officer		
312		Mining, Manufacturing and Construction Supervisors		
	3122	Manufacturing Supervisors		
	3122.2800	Jobber (Textile)		
	3122.3400	Supervisors and Foremen, Textile-Related Products		
	3122.3450	Scouring Supervisor, Wool		
	3122.3500	Supervisors and Foremen, Tailoring and Dress Making		
	3122.4100	Supervisor and Foreman, Checking, Sorting, Packing and Related Activities		
332		Sales and Purchasing Agents and Brokers		
	3321	Insurance Representatives		
	3321.9900	Insurance Representatives, Other		
	3322	Commercial Sales Representatives		
	3322.0900	Sales Supervisor, Retail Trade		
	3322.9900	Commercial Sales Representatives, Other		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	3323	Buyers		
	3323.0100	Buyer		
	3323.0401	Purchase Executive		
	3323.9900	Buyers, Other		
333		Business Service Agents		
	3339	Business Service Agents Not Elsewhere Classified		
	3339.0200	Brand Manager		
	3339.0600	Call Centre Executive		
351		Information and Communication Technology (ICT) Operations and User Support Technicians		
	3512	Information and Communication Technology (ICT) User Support Technicians		
	3512.0801	Engineer – Technical Support		
	3512.9900	Information and Communication Technology User Support Technicians, Other		
411		General Office Clerks		
	4110	General Office Clerks		
	4110.0100	Clerk, General		
413		Keyboard Operators		
	4132	Data Entry Clerks		
	4132.1000	Addressing Machine Operator		
	4132.1300	Bookkeeping Machine Operator		
	4132.1400	Bill Processing Clerk		
	4132.9900	Data Entry Clerks, Other		
431		Numerical Clerks		
	4311	Accounting and Bookkeeping Clerks		
	4311.0300	Ledger Clerk		
	4311.0500	Audit, Clerk		
	4311.0600	Clerk, Cost Accounting		
	4311.0700	Bill and Accounts Collector		
	4313	Payroll Clerks		
432		Material Recording and Transport Clerks		
	4321	Stock Clerks		
	4321.0100	Store Keeper		
	4321.0200	Store Distributor		
	4322	Production Clerks		
441		Other Clerical Support Workers		
	4419	Clerical Support Workers Not Elsewhere Classified		
	4419.0102	Business Correspondent		
515		Building and Housekeeping Supervisors		
	5151	Cleaning and Housekeeping Supervisors in Offices, Hotels and Other Establishments		
	5151.0500	Linen Keeper		
521		Street and Market Salespersons		
	5211	Stall and Market Salespersons		
	5211.0301	Sales Executive – Dealership		
522		Shop Salespersons		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	5222	Shop Supervisors		
	5222.0100	Sales Supervisor, Wholesale Trade		
	5223	Shop Sales Assistants		
524		Other Sales Workers		
	5249	Sales Workers Not Elsewhere Classified		
	5249.0200	Salesman, Wholesale Trade		
	5249.0400	Wholesale Dealer		
	5249.0500	Retail Dealer		
	5249.0600	Selling Agent		
	5249.0700	Stockist		
723		Machinery Mechanics and Repairers		
	7233	Agricultural and Industrial Machinery Mechanics and Repairers		
	7233.1600	Mechanic, Textile Machinery		
	7233.1700	Mechanic, Printing Machinery		
	7233.1800	Mechanic, Sewing Machine		
731		Handicraft Workers		
	7318	Handicraft Workers in Textiles, Leather and Related Materials		
	7318.0300	Carpet Weaver (Carpet & Rug)		
	7318.0500	Hand Printer, Textile/Hand Block Printer	TSC/Q7402	Kalamkari Artisan
	7318.0600	Hand Dyer	TSC/Q7201	Hank Dyer
	7318.0800	Repairer, Fabrics/Fabric Mender	TSC/Q2301	Fabric Checker – Textiles
			TSC/Q2302	Fabric Mender – Textiles
			TSC/Q2101	Warper – Direct Warping Machine or Handloom
	7318.0900	Bale Breaker Tenter, Cotton/Blow Room Operator	TSC/Q0101	Blowroom Operator
	7318.0900	Bale Breaker Tenter, Cotton/Blow Room Operator	TSC/Q5404	Textile Post Processing Machine Operator Elective 1 – Washing Range
	7318.1000	Batching Worker, Wool		
	7318.1100	Wool Sorter		
	7318.1200	Selector, Jute	TSC/Q0107	Jute Selector cum Assorter
	7318.1300	Grader, Coir		
	7318.1500	Waste Machine Man (Cotton Textile)/Waste Collection Machine Operator		
	7318.1800	Scouring Man, Wool/Wool Washing and Scouring Operator		
	7318.1900	Cooker (Silkworm)		
	7318.2	Softener Feeder and Receiver, Jute		
	7318.2100	Root Cutter, Jute		
	7318.2200	Teaser (Feeder and Receiver) Jute		
	7318.2300	Fibre Preparer, Coir		
	7318.2700	Cardtenter, Cotton/Carding Tenter	TSC/Q0102	Carding Operator
			TSC/Q5404	Textile Post Processing Machine Operator Elective 3 – Balloon Squeezing
	7318.2800	Set Framer, Silk		
	7318.2900	Sliver Lap Man/Combing Preparatory Operator	TSC/Q0103	Combing Preparatory Operator
	7318.2900	Sliver Lap Man/Combing Preparatory Operator	TSC/Q5103	Textile Processing Preparatory Operator Elective 1 – Singeing & Desizing
	7318.3500	Gill Box Man		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	7318.3600	Spreader Feeder, Jute		
	7318.3700	Spreader, Receiver, Jute		
	7318.3800	Breaker Feeder, Jute		
	7318.4	Finisher Feeder, Jute		
	7318.4200	Hand Spinner (Cotton and Woollen Textile)	TSC/Q7901	Hand Spinning Operator, Elective 1 – Traditional Charkha, Elective 2 – New Model Charkhas, Elective 3 – Solar Operated New Model Charkha
	7318.4300	Piecer		
	7318.4500	Spinner, Jute	TSC/Q0204	Jute spinning Sardar (Jobber) cum Jr. Supervisor
	7318.4600	Spinner, Coir		
	7318.4700	Twister		
	7318.4800	Doffer, Spinning/Ring Spinning Doffer	TSC/Q0202	Ring Frame Doffer
	7318.4900	Knotter, Silk		
	7318.5000	Beam Gaiter		
	7318.5100	Lacer, Hand		
	7318.5200	Lattice Pegger		
	7318.5300	Reacher, Hand (Textile)		
	7318.5500	Weaver Power Loom	TSC/Q2210	Shuttle loom operator cum pirn winder (Power loom, Automatic loom)
	7318.5800	Weaver, Handloom	TSC/Q7404	Ikkat Artisan
			TSC/Q7306	Jacquard Weaver – Handloom
			TSC/Q7307	Loin Loom Weaver
	7318.5900	Carpet Weaver, Hand Knitting	TSC/Q7304	Hand Knitting Machine Operator
	7318.6000	Carpet Clipper, Hand		
	7318.6100	Carpet Embosser		
	7318.6200	Carpet Repairer		
	7318.6300	Coir Weaver (Matting)		
	7318.6400	Net Maker, Hand		
	7318.6500	Crochet Worker, Hand		
	7318.6600	Knitter, Hand		
	7318.6700	Braid Maker, Hand		
	7318.9900	Handicraft Workers in Textiles, Leather and Related Materials, Others	TSC/Q7403	Assistant Design Maker – Textiles
			TSC/Q7101	Cocoon tester cum purchaser, Elective 1 – Textile MSME, Elective 2 – Textile Mill
			TSC/Q7301	Cone Winder-cum-Pirn Winder
			TSC/Q7801	Handloom Entrepreneur
			TSC/Q7502	Jacquard Harness Builder
			TSC/Q7102	Mulberry cocoon sorter, drier cum grader
			TSC/Q5405	Textile Finishing Machine Operator Elective 1 – -Stenter
			TSC/Q5404	Textile Post Processing Machine Operator Elective 5 – Calendar
			TSC/Q5208	Textile Printing Machine operator
			TSC/Q5208	Textile Printing Machine operator – Printing Screen Making
			TSC/Q5103	Textile Printing Machine operator – Continuous Bleaching Range
754		Other Craft and Related Workers		
	7543	Product Graders and Testers (Excluding Food and Beverages)		

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
	7543.0400	Examiner, Dry Cleaning/Fabric Inspection Operator		
815		Textile, Fur and Leather Products Machine Operators		
	8151	Fibre Preparing, Spinning and Winding Machine Operators		
	8152	Weaving and Knitting Machine Operators		
	8153	Sewing Machine Operators		
	8154	Bleaching, Dyeing and Cleaning Machine Operators		
	8159	Textile, Fur and Leather Products Machine Operators Not Elsewhere Classified		
	8151.0100	Garnett Machineman, Woollen		
	8151.0300	Rag Machineman (Woollen Textile)		
	8151.0400	Doubling Machine Operator (Textile)		
	8151.0500	Combing Tenter	TSC/Q0104	Combing Operator
	8151.0500	Combing Tenter	TSC/Q5103	Textile Processing Preparatory Operator
	8151.0600	Spinner, Frame (Textile)/Ring Frame Tenter	TSC/Q0205	Ring Frame Operator, Manual doffing,Auto doffing
			TSC/Q0201	Ring Frame Tenter
	8151.0700	Drawing Tenter	TSC/Q0105	Draw Frame Operator
			TSC/Q7902	Twister cum Doubler – Handloom
	8151.1000	Reeler Textile		
	8151.1100	Reed Man		
	8151.1200	Healdman (Textile)		
	8151.1300	Reeler, Silk		
	8151.1400	Yarn Tester		
	8151.1500	Warping Boy (Textile)/Wrapper		
	8151.1600	Pin Setter (Textile)		
	8151.1700	Roller Coverer		
	8151.1800	Winder Textile/Winding Operator	TSC/Q0301	Autoconer Tenter
			TSC/Q0302	Cone Winding Operator-Manual & Assembly Winding
			TSC/Q0304	Jute Weft Winding Operator
			TSC/Q5405	Textile Finishing Machine Operator Elective 3 – Relax Dryer
			TSC/Q0303	TFO Tenter
	8151.1900	Size Mixer (Textile)	TSC/Q2102	Size Mixer
	8151.2000	Waterproofer, Textile		
	8151.2100	Weighter, Silk		
	8151.2200	Fetler (Woollen Textile)		
	8151.9900	Fibre Preparing, Spinning and Winding Machine Operators, Other	TSC/Q0902	Assistant Cotton Grader (Ginning)
			TSC/Q0903	Assistant Ginning Fitter
			TSC/Q0306	Finished Package Checker-cum-Packer – Spinning, Yarn Conditioning
			TSC/Q0403	Fitter – Post Spinning
			TSC/Q0402	Fitter – Ring Spinning
			TSC/Q0401	Fitter Spinning Preparatory
			TSC/Q0901	Ginning Helper
			TSC/Q0108	Jute Carding Operator
			TSC/Q0203	Open-End Spinning Tenter
			TSC/Q8201	Tape Plant Operator
			TSC/Q8301	Tape Winder

NCO 3-Digit	NCO 8-Digit	NCO Job roles	TSC Job Role Code	TSC Job Role Detail
			TSC/Q5405	Textile Finishing Machine Operator
			TSC/Q5405	Textile Finishing Machine Operator Elective 2 – Sanforiser
			TSC/Q0305	Winding Tenter (Autoconer, Manual Cone Winding, Doubler Winding)
	8152.0100	Drawing Man		
	8152.0200	Doffer, Fly Frame/Speed Frame Operator	TSC/Q0106	Speed Frame Operator – Tenter and Doffer
	8152.0300	Knitting Jobber		
	8152.0400	Card Cutter	TSC/Q7401	Card Puncher (Automatic Machine)
			TSC/Q8401	Circular loom operator (Shuttle type)
			TSC/Q5404	Textile Post Processing Machine Operator Elective 2 – Drying Range
			TSC/Q5404	Textile Post Processing Machine Operator Elective 4 – Fabric Folding
	8152.0500	Mat Shearing Operator		
	8152.0600	Flat Knitter, Machine/Knitting Machine Operator – Flat Knitting	TSC/Q4102	Knitting Machine Operator Flat Bed Knitting
	8152.0700	Sock Knitter/Knitting Machine Operator –		
	8152.0800	Sock Knitter, Automatic Machine		
	8152.0900	Knitter, Machine/Knitting Machine Operator	TSC/Q4101	Knitting Machine Operator Circular Knitting
	8152.1	Looperman, Hosiery		
	8152.1100	Warp Knitter/Knitting Machine Operator –	TSC/Q4103	Knitting Machine Operator Warp Knitting
	8152.1200	Weaver, Lace (Machine)		
	8152.1300	Braid Maker, Machine/Braiding Machine Operator		
	8152.1400	Lace Maker (Machine)		
	8152.1600	Warp Tying Machineman	TSC/Q2205	Knotting Machine Operator
	8152.1700	Warper	TSC/Q2104	Jute Beaming Operator
	8152.2000	Front Sizer (Cotton Textile)		
	8152.2100	Back Sizer		
	8152.9900	Weaving and Knitting Machine Operators, Other	TSC/Q2601	Beam Carrier – Loader
			TSC/Q2405	Fitter – Shuttleless Weaving Machine: Air-Jet
			TSC/Q2404	Fitter – Shuttleless Weaving Machine: Projectile
			TSC/Q2406	Fitter Helper – Weaving
			TSC/Q2401	Fitter Weaving Preparatory
			TSC/Q2206	Pirn Winding Machine Operator
			TSC/Q2211	Shuttleless Loom Operator (Airjet, Rapier, Projectile, Waterjet)
			TSC/Q2103	Sizing Machine Operator
			TSC/Q5404	Textile Post Processing Machine Operator
	8153.0200	Button Hole Maker, Machine		
	8153.0300	Eyelet Holing Machine Operator		
	8153.0400	Button Stitching Machine Operator		
	8153.0500	Embroider, Machine		
	8153.0600	Embroidery Machine Operator (Semi-Automatic)		
	8153.9900	Sewers and Embroiders, Other		
	8154.0200	Kierman (Textile)/Package Dyeing Machine Operator	TSC/Q5207	Textile Dyeing machine operator (Package Dyeing)

NCO 3-Digit	*NCO 8-Digit*	*NCO Job roles*	*TSC Job Role Code*	*TSC Job Role Detail*
	8154.0300	Scouringman, Woollen Yarn		
	8154.0500	Washing Machineman		
	8154.0600	De-Gummer, Silk		
	8154.0700	Carbonizer, Textile		
	8154.0800	Scutcherman, Bleaching		
	8154.0900	Dyed- Yarn Operator (Textile)		
	8154.1000	Jiggerman (Cotton Textile)/Jigger Machine Operator	TSC/Q5207	Textile Dyeing machine operator (Jigger)
	8154.1100	Dye Automation Operator (Textile)/ Dyeing Machine Operator		
	8154.1200	Wool Dyer		
	8154.1500	Dyer Garment		
	8154.1700	Damping Machine Attendant		
	8154.1800	Calenderman (Cotton Textile)		
	8154.1900	Miller		
	8154.2000	Raising Machineman (Textile)		
	8154.2100	Stentering Machineman/Stentering Operator		
	8154.2200	Cropper		
	8154.2300	Padding Machineman/Padding Mangle Operator		
	8154.2400	Brushing Machineman (Textile)		
	8154.2500	Crabbing Machineman (Woollen Textile)		
	8154.2700	Singeing Machineman/Singeing Machine Operator		
	8154.9900	Bleaching, Dyeing and Cleaning Machine Operators, Other	TSC/Q5205	Dyestuff & Chemical Preparation Operator
			TSC/Q5701	Fitter – Chemical Processing (Textiles)
			TSC/Q5207	Textile Dyeing machine operator (Soft flow)
			TSC/Q7303	Two Shaft Handloom Weaver
	8159.0200	Splicing – Machine Operator, Automatic (Textile)		
	8159.0300	Balling – Machine Operator (Textile)	TSC/Q0904	Bale Press Operator
			TSC/Q5405	Textile Finishing Machine Operator Elective 4 – Compactor
821		Assemblers		
	8211	Mechanical Machinery Assemblers		
	8211.0300	Assembler, Textile Machinery		

Sources: Mapping exercise done at NCAER in consultation with TSC for the job roles as given by Textile Skill Council (TSC) and National Classification of Occupations (NCO) 2015, Ministry of Labour & Employment, Directorate General of Employment, Government of India and Ministry of Statistics and Programme Implementation, Government of India. 2023. Periodic Labour Force Survey (PLFS), July 2022-June 2023. Document No.: DDI-IND-CSO-PLFS-2022–23. https://microdata.gov.in/nada43/index.php/catalog/179