



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING

COMPETENCY BASED CURRICULUM

CERTIFICATE COURSE ON

AARI & ZARDOSI EMBROIDERY



NSQF LEVEL- 4

SECTOR : APPAREL

AARI & ZARDOSI EMBROIDERY

Duration: 320 Hours

NSQF LEVEL - 4

(Version: 1.0)

Designed in 2020

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

Sectoral Trade Course Committee of Apparel Sector

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CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

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1. COURSE INFORMATION

1.1 GENERAL

The Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers a range of vocational training courses catering to the need of different sectors of the economy/ labour market. The vocational training programs of short term duration are intended for up skilling of NTC/ NAC pass out candidates. After passing out of the course, the trainee is awarded a competency based certificate approved by DGT.

The main objective of this Short term course is to enable man power in Aari and Zardosi Embroidery. This course has been framed to study the Aari and Zardosi embroidery using different kinds of Aari embroidery stitches & effects such as Filling Stitches, Zari thread work, French Knot, Honey Comb, Stitches with mirrors, beads, Full and Half tubes, Patch Work, Cut work, Rope Work, etc. as well as uses decorative stones to fix for embellishments. This short term course will be very much useful in Apparel Industry as well for Self Employment.

1.2 PROGRESSION PATHWAYS

- Can join as an Embroiderer in Industries.
- Can do as job work for Boutique and helps for self-employment.
- Can become an entrepreneur and can establish own unit

1.3 COURSE STRUCTURE

Table below depicts the distribution of training hours across various course elements during a period of 6 weeks: -

S No.	Course Element	Notional Training Hours
1.	Professional Skill (Trade Practical)	240
2.	Professional Knowledge (Trade Theory)	80
	Total	320

1.3 ASSESSMENT & CERTIFICATION

The trainees will be assessed for his/her Instructional skills, knowledge and attitude towards learning throughout the course span.

a) The Continuous Assessment (Internal) during the period of training will be done by Formative Assessment Method by testing for assessment criteria listed against learning outcomes. The training institute has to maintain an individual trainee portfolio as detailed in assessment guideline.

b) The pattern and marking structure is being notified by DGT from time to time. The learning outcome and assessment criteria will be the basis for setting question papers for final assessment.

c) Assessment will be evidence based comprising the following:

- Job carried out in labs/workshop/Field
- Answer sheet of assessment
- Viva-voce
- Participation and punctuality

Evidences of internal assessments are to be preserved until forthcoming Block examination for audit and verification by examining body.

d) The minimum pass percentage for skill test is 60%.

2. JOB ROLE

Brief description of Job roles:

Hand embroiderer who knows Aari and Zardosi Embroidery is responsible for creating design along with the tracings done on to the fabric. He /She uses variety of techniques to create different kinds of embroidery stitches & effects such as Filling Stitches, Zari thread work, French Knot, Honey Comb, Stitches with mirrors, beads, Full and Half tubes, Patch Work, Cut work, Rope Work, etc. as well as uses decorative stones to fix for embellishments. The job requires the persons to have the skills to make a variety of attractive designs using Aari/Zardosi/Zariembroidery.

Hand Embroiderer, Zari; Zari Worker; Zardozi Worker sews ornamental designs by hand over stamped or stenciled patterns on fabric, using special embroidery material (zari) such as kora, kangani, sadi, nakshi, beads, tikli, sitare, etc. Stitches 'baithan' (cloth which forms base) to string loops of 'Karchob' or 'adda' (embroidery frame), adjusts 'Karchob' so that 'baithan' is evenly taut on all sides. Stitches, cotton, wool or silk fabric to work on 'baithan' in frame. Stencil design to be embroidered on fabric. Cuts zari material into pieces of required size with scissors. Threads needle with yarn and stitches neatly 'zari' pieces and beads etc., of proper size, colour and kind over stencilled design on fabric to make required pattern. Removes embroidered fabric from frame. May trace designs on fabric.

Reference NCO Code:

1. 7533.0300 – Hand embroiderer, Zari/Hand Embroiderer

3. GENERAL INFORMATION

Name of the Trade	Aari and Zardosi Embroidery	
Trade Code	DGT/8004	
Reference NCO - 2015	7533.0300	
NSQF Level	Level 4	
Duration of Craftsmen Training	320 Hours	
Entry Qualification	Passed 8 th Class Examination	
Unit Strength (No. of Student)	20	
Space Norms	65 Sq. m	
Power Norms	8 KW	
Instructors Qualification	Degree in relevant branch from recognised university/ Institute with minimum 2 years of work experience in relevant field. OR Minimum one year diploma in the relevant field from recognised board/ institute with 2 years experience in relevant field. OR NTC/NAC in relevant trade with minimum 3 Years experience in relevant field.	
List of Tools and Equipment	As per Annexure – I	
Distribution of training on hourly basis: (Indicative only)		
Total hours/ Week	Trade practical	Trade theory
40	30	10

4. LEARNING OUTCOME

Learning outcomes are a reflection of total competencies of a trainee and assessment will be carried out as per the assessment criteria.

4.1 LEARNING OUTCOMES

1. Apply Preparatory Skills and Practice the stitches and works used in Aari & Zardosi Embroidery
2. Use the methods of ornamenting the fabric/garment with suitable Aari and Zardosi Embroidery designs and calculating the cost.
3. Apply the Generic Skills related to the course

SYLLABUS – AARI AND ZARDOSI EMBROIDERY

Duration: 320 Hours

Duration	Reference Learning outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
Professional skills-90 Hrs Professional Knowledge-30 Hrs	Apply Preparatory Skills and Practice the stitches and works used in Aari & Zardosi Embroidery.	<ol style="list-style-type: none"> 1. Practicing different types of Designs using free hand Sketching 2. Sketching different designs of neck shape 3. Applying different small designs around the drawn neck shape designs 4. Study the different types of fabrics used for Aari and Zardosi Embroidery with their commercial names like georgette, cotton, satin, Silk, Dacron, Chiffon, Georgette, Viscose, Tissue, tec. 5. Identify the aari work tools 6. Learn tracing materials and Tracing methods 7. Use Khakha (Chappa) making process 8. Practice Frame fitting and method of fixing the fabric on the frame for Aari work 9. Check the tension of the fabric and ensure the fabric is defect free. 10. Practice the handling of Aari needle, its position, inserting the needle into the fabric and picking the thread from the underneath of the fabric. 11. Locking, starting and finishing of basic Chain stitch. Practice Locking, 	<ul style="list-style-type: none"> • Identify the scenario of apparel, made- ups and home furnishing sector in India. • Identify the role of Hand Embroiderer for Aari and Zardosi Work Types of Designs • Types of Neck designs • History of Aari Embroidery • Zari work and Kamdani Work • Study on Regional Embroidery • Types of Fabrics and Fabric defects • Tools and Raw materials used for Aari and Zardosi Embroidery • Place of availability of Cloth & Raw materials • Design Tracing Methods • Basics of Hand Embroidery • Types of Aari Stitches and works • Terminology related to Aari and Zardosi Embroidery

		<p>starting and finishing of basic Chain stitch</p> <p>12. Practice of Basic Chain stitch in straight, Curved, Twisted, Square, Round lines. Practice of Basic Chain stitch in Scalloped Shapes.</p> <p>13. Make and Practice the different varieties of Stitches and works like</p> <ul style="list-style-type: none"> • Salli • Long and Short • Fishbone Stitches • Button Hole Stitches • Zari thread work • Padded Chain Stitch (3 methods i.e, Plain, Cross, Straight) • French Knot • Long French Knot • Matt filling stitches • Honey Comb • Filling stitches • Stitches with Sequins (Flat and Overlapping methods) • Stitches with mirrors • Stitches with beads • Stitches with Full tubes • Stitches with Half tubes • Stitches with Stones • Stitches with Zardosi • Patch Work • Cut work • Works with Running Stone Chains and Antique Beads • Double Colour Embossed thread Work • Padding with Beads, Zardosi and cut tubes • Rope work • Leaf stitch work (2 	
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		<p>types)</p> <ul style="list-style-type: none"> • Butterfly stitch work • Khatta stitch work • Zordosi Leaf Work • Zardosi Rose Work • Zardosi Filling Work 	
<p>Professional skills-120 Hrs Professional Knowledge-40 Hrs</p>	<p>Use the methods of ornamenting the fabric/garment with suitable Aari and Zardosi Embroidery designs and calculating the cost.</p>	<p>14. Sketching and Practicing Different types of Designs of Aari and Zardosi Embroidery</p> <p>15. Selection a Design and Select the suitable fabric, Needle, Raw materials, combination of Stitches, and Combination of Works for the Design</p> <p>16. Transfer the design</p> <p>17. Do the embroidery work in the transferred design</p> <p>18. Do the Finishing process for the embroidery done</p> <p>19. Ensure the embroidered fabric without any embroidery defect and stains</p> <p>20. Learn the rectification of embroidery defects if any.</p> <p>21. Calculate the cost of the above work</p> <p>22. Learn Different Fashioned Embroidery Styles and Techniques</p> <p>23. Practice the embroidery work to decorate</p> <ul style="list-style-type: none"> • Sari Blouses (at least 2 Nos.) • Sari (using small motifs in Body/Border/Pallu) <p>24. Calculate the cost of the above works</p> <p>25. Project Work – Select a suitable latest trend design for a fashioned garment. Complete the garment with</p>	<ul style="list-style-type: none"> • Concept of Designing • Study of Simple motif and compound Motif • Fabric Embellishment • Selection of materials related to design. Suggested Embroidery stitches in various types of Designs • Studying Shisha or Mirror Work, Kundan or stone embroidery, Metallic thread embroidery and Works related to varieties of Beads and Sequins • Methods of Finishing of Aari Embroidery Products • Embroidery Defects and their rectification • Importance of Stain removal • Calculating the cost of final product • Important tips for Good Aari Embroidery work • Study of various garments with aari designs • Application of Aari and Zardosi Embroidery in Sari and Sari Blouses with different neck designs • Different Fashioned Embroidery Style and Techniques • Study on Customer Requirements. Marketing, Marketing Methods and Market survey for aari

		embroidery work and work out the final cost of the garment.	work.
Professional skills-30 Hrs Professional Knowledge-10 Hrs	Apply the Generic Skills related to the course.	<ol style="list-style-type: none"> 26. Maintain a Clean and Hazard free Work Area 27. Maintain the tools and Equipment 28. Use proper method of Handling of tools and Equipment 29. Store the materials 30. Use correct posture to do the aari work in 31. Use the proper method of disposal of waste 32. Learn to perform Basic First Aid 33. Learn the method of operating fire extinguisher 34. Demonstrate the use of PPE like thimble and nose mask 35. Learn communication and data presentation 36. Demonstrate effective interaction with the group. 37. Demonstrate time management in the work. 38. Prepare your resume. 39. Prepare for interviews. 40. Explain how to become an Entrepreneur 41. Use computers and access internet for day to day activity 	<ul style="list-style-type: none"> • Cleaning and Maintenance in work place • Types of Hazards, Safety measures and precautions • Precautionary measures used while doing Aari Embroidery – Use of Thimble, First aid Kit, fire extinguisher, etc. • Personal Hygiene and Health • Explain different ways of minimizing waste • Importance of discipline in embroidery unit. Personal responsibilities of an embroiderer • Organizational Rules, policies and Procedures. Value of work ethics • Effective communication of HR policies and procedures to employees • Time management • Bank loan and services provided by the Government for Entrepreneurs and self employment. • Study the Opportunities, Location and Contacts for getting orders • Use of Computer and Internet related to Aari works.
Examination			

7. ASSESSMENT CRITERIA

LEARNING OUTCOMES	ASSESSMENT CRITERIA
<p>1. Apply Preparatory Skills and Practice the stitches and works used in Aari & Zardosi Embroidery</p>	Sketch different types of neck shape Designs using free hand Sketching
	Identify the different types of fabrics
	Identify the aari work tools
	Trace the design and make Khakha
	Fit the Frame and Fix the fabric properly on the frame for Aari work
	Check the tension of the fabric and ensure the fabric is defect free
	Lock, start and finish the basic Chain stitch
	Practice the Basic Chain stitch in straight, Curved, Twisted, Square, Round lines.
	Practice the Basic Chain stitch in Scalloped Shapes.
Make and Practice the different varieties of Stitches and works	
<p>2. Use the methods of ornamenting the fabric/garment with suitable Aari and Zardosi Embroidery designs and calculating the cost.</p>	Sketch and Practice Different types of Designs of Aari and Zardosi Embroidery
	Select a Design and Select the suitable fabric, Needle, Raw materials, combination of Stitches, and Combination of Works for the Design
	Transfer the design
	Do the embroidery work in the transferred design
	Do the Finishing process for the embroidery done
	Ensure the embroidered fabric without any embroidery defect and stains
	Learn the rectification of embroidery defects if any.
	Calculate the cost of the work
	Learn Different Fashioned Embroidery Styles and Techniques Practice the embroidery work to decorate Sari and Sari Blouses and calculate the cost of the work
<p>3. Apply the Generic Skills related to the course</p>	Learn to maintain a Clean and Hazard free Work Area
	Learn to maintain the tools and Equipment
	Learn the method of Handling of tools and Equipment
	Learn to store the materials
	Learn to do the aari work in correct posture
	Learn the method of disposal of waste
	Learn to perform Basic First Aid
	Learn the method of operating fire extinguisher Demonstrate the use of PPE

LIST OF TOOLS & EQUIPMENT			
AARI & ZARDOSI EMBROIDERY			
S No.	Name of the Tools and Equipment	Specification	Quantity
A. LIST OF TOOLS & EQUIPMENT			
1.	Aari Embroidery Stand/Adda	Mini type - suitable for learning - made of wood or Iron - suitable to fix the embroidery frame of 16 " or 18"	20+1 Nos.
2.	Embroidery Frame	Wooden type of size 16" or 18"	20+1 Nos.
3.	Aari Embroidery Needle	Set of 3	20+1 Nos.
4.	Hand Embroidery Needles	Pack of assorted sizes	20+1 Nos.
5.	Hand Needles	Pack of assorted sizes	20+1 Nos.
6.	Tapestry Needles	Pack of assorted sizes	20+1 Nos.
7.	Needle Threader	Metal type	20+1 Nos.
8.	Seam Ripper	With Handle	20+1 Nos.
9.	Thimble	Metal type	20+1 Nos.
10.	Ruler	12" Length	20+1 Nos.
11.	Stiletto		20+1 Nos.
12.	Small Scissors	Size 3-5"	20+1 Nos.
13.	Scissors for Paper Cutting	Size 6	20+1 Nos.
14.	Shears for Fabric Cutting	Size 10	20+1 Nos.
15.	Thread Trimmer	Size 4	20+1 Nos.
16.	Measuring Tape	150 Cms	20+1 Nos.
17.	Tracing Wheel	Metal types with Plastic or wooden Handle	20+1 Nos.
18.	Pick Glass	1" X 1" Metal folding pocket type	20+1 Nos.
19.	Tracing Table		2 Nos.
20.	Light Box (for Tracing Design)	A4 Size	2 Nos.
21.	Iron Box	Medium Size, Electric Type	2 Nos.
22.	Table for Ironing	Wooden type	2 Nos.
23.	Instructor Table and Chair		1 No.
24.	Steel Almirah	195 X 90 X 60 Cms	1 No.
25.	Fire Extinguisher		1 No.

26.	First Aid Box		1 No.
B. LIST OF CONSUMABLES			
27.	Fabric	Poplin and Silk	As required
28.	Hand Embroidery Thread		As required
29.	Sewing Thread (for Initial Practice)		As required
30.	Silk Thread		As required
31.	Gold and Silver Zari Thread		As required
32.	Zardosi	Different types	As required
33.	Shiny stones		As required
34.	Small Beads		As required
35.	Sitara (Small Spangles)		As required
36.	Sequins		As required
37.	Tube Beads	Cut tube beads	As required
38.	Mirrors	Suitable for mirror works	As required
39.	Sequins Lace		As required
40.	Strings or Nails		As required
41.	Pins and Pin Cushions		As required
42.	Readymade Patches		As required
43.	Tracing Paper	A4 Size	As required
44.	Carbon Sheets	Yellow and White	As required
45.	Butter Sheet		As required
46.	Photocopier Paper	A4 Size	As required
47.	Pencil – HB		As required
48.	Pencil eraser		As required
49.	Pencil Sharpener		As required
50.	Chalk Powder or Indigo		As required
51.	Kerosene Oil		As required

ANNEXURE-II

The DGT sincerely acknowledges contributions of the Industries, State Directorates, Trade Experts, Domain Experts and all others who contributed in designing/ revising the curriculum. Special acknowledgement is extended by DGT to the following expert members who had contributed immensely in this curriculum.

List of Expert Members contributed/ participated for finalizing the course curriculum of Aari & Zardosi.

S No.	Name & Designation Shri/Mr./Ms	Organization	Remarks
1.	Mr. Sathya Shankar B.P., Director	DGT HQ, New Delhi	STCC Convener
2.	Sh. C. S. Murthy, JDT,	CSTARI Kolkata	Member
3.	Mr. Satheesh Kumar D., DGM	Arvind Lifestyle Brands Ltd, Bengaluru.	Member from Industry
4.	Ms. Nagamani S., GM	Shahi Exports, Bengaluru	Member from Industry
5.	Mr. Aseem Kumar, General Secretary	Garment Exports Association , Rajasthan	Member from Industry
6.	Ms. Abha Rastogi, Rtd. TO	DGT.	Member
7.	Ms. Nidhi Rawat, Dy.PMA Head	NRO, Ministry of Rural Development	Member from Industry
8.	Ms. Smritee Dwivedee, Director	Operations, AMHSSC	Member from SSC
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10.	Ms. Renuka Devi R., ATO	Govt. ITI, Cuddalore, Tamil Nadu.	Member from State
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12.	Ms. Rukhsar Anjum	B.V. Fatima Pvt. ITI, Bengaluru	Member from State
13.	Ms. Shanthi. D, DDT	NSTI(W), Bengaulru	Member
14.	Ms. Priya, ADT	NSTI, Bengaulru	Member
15.	Mr. L. R. Ramesh Babu, TO	NSTI(W), Trichy	Member
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20.	Ms. Divya. L., TO	NSTI(W), Bengaluru	Member

21.	Ms. Chitra, TO	DGT.	Member
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28.	Ashoke Rarhi, DDT	CSTARI, Kolkata	Member
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30.	P. K. Bairagi, Training Officer	CSTARI, Kolkata	Member
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