

NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of JUNE 2017

NSDA Reference

To be added by NSDA

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Directorate General of Training (DGT),
Ministry of Skill Development & Entrepreneurship (MoSDE)
Shram Shakti Bhawan, Rafi Marg,
New Delhi

Name and contact details of individual dealing with the submission

Name: Smt.Sandhya Salwan
Position in the organisation: Director (SDI)
Address if different from above
Tel number(s) 011-23720792
E-mail address: dirat.dget@gmail.com

List of documents submitted in support of the Qualifications File

1. Qualification document – **ADVANCE APPAREL MANUFACTURING** (Curriculum for **ADVANCE APPAREL MANUFACTURING** (under Textile and Apparel Sector for Modular Employable Scheme (MES) Annexure -1
2. Executive Summary of Human Resource and Skill Requirements in IT & ITes by NSDC(Annexure 2)
3. List of number of trainees of trained under MES in 2015-16 & 2016-17.& List of candidates' placed for this course in 2016-17 (Annexure 3)
4. Industry Endorsement

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SUMMARY

Qualification Title	– ADVANCE APPAREL MANUFACTURING
Qualification Code	NA
Nature and purpose of the qualification	Nature of the qualification is National Certificate in MES in job role of Advance apparel manufacturing Purpose of the Qualification is that the candidate would be able to work as a Line Quality Controllers, I.E. Executives, Production Coordinators or Merchandisers in READY Made Garment Industries
Body/bodies which will award the qualification	National Council for Vocational Training (NCVT)
Body which will accredit providers to offer courses leading to the qualification	GOI Ministries and State departments who have adopted MES qualifications accredit training providers for their programs and schemes (only in case of SDIS schemes Training providers accredited by States on behalf of NCVT)
Body/bodies which will carry out assessment of learners	Independent Agency as Assessing Bodies (ABs) empanelled by DGT
Occupation(s) to which the qualification gives access	: Production Supervisor
Licensing requirements	-NA-
Level of the qualification in the NSQF	Level 4
Anticipated volume of training/learning required to complete the qualification	1040 +100 Hours
Entry requirements and/or recommendations	Qualification : Passed 12th class examination AGE : 14 years of age & above <ul style="list-style-type: none"> • As per skill sets of the course and module 12th class qualification is required
Progression from the qualification	Assistant. production Manager
Planned arrangements for the Recognition of Prior learning (RPL)	RPL arrangement yet to be planned . .

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International comparability where known N A			
Date of planned review of the qualification. JUNE 2019 (2 yrs after approval of the qualification)			
Formal structure of the qualification			
Title of component and identification code.	Mandatory/ Optional	Estimated size (learning hours)	Level
Understand the process of garment manufacturing unit	M	20 hrs	4
Make Sample of garment components	M	100 hrs	4
Practice on Industrial sewing machine	M	50 hrs	4
Prepare samples of dyeing	M	80 hrs	4
Prepare samples of Printing	M	80 hrs	4
Identify pattern defects ,Finishing defects ,packing defects	M	50 hrs	4
Check Measurement as per spec sheet	M	50 hrs	4
Construct Garments Shirt/ Dress/ Trousers/ T – Shirt	M	3000 HRS	4
Prepare Test reports ofFabric for color fastness, Light fastness ,Dimensional changes	M	50 HRS	4
Prepare drafts of Basic Blocks	M	100 HRS	4
Prepare Commercial PATTERN	M	50 HRS	4
Prepare Time and action plan	M	25 HRS	4
Prepare Cost sheet	M	25HRS	4
Understand concept of CAD PATTERN making software	M	80 HRS	4
		1040 HRS	
SOFT & ENTREPRENURESHIP SKILLS			
1 Recognize & comply safe working practices, environment regulation and housekeeping.	M	25HRS	4

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2 Understand and practice soft skills, OSH&E, working with Computer and communicate with required clarity.	M	25 HRS	4
3. Demonstrate knowledge of concept and principles of basic arithmetic calculation and apply knowledge of specific area to perform practical operations	M	25 HRS	4
4 Explain time management, entrepreneurship and manage/organize related task in day to day work for personal & societal growth	M	25 HRS	4

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum Document or a Qualification Pack.. (Details of document attached as per page no 1 Annexure -1)

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

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SECTION 1 **ASSESSMENT**

Body/Bodies which will carry out assessment:

As per the guidelines approved for the SDI, DGT empanelled Assessing bodies will carry out the assessment

How will RPL assessment be managed and who will carry it out?

- Testing centres are registered by States on the same line as for VTPs. Candidates desiring to get the skills certified have to apply online or through Testing Centres. Assessing Bodies/assessors will be allotted automatically by the IT application. This facility is being provided on the web-portal of SDI scheme. Until then following procedure will be adopted for direct assessment:
- Assessing Bodies are responsible for registration of candidates for testing. It may do so directly or through its designated centres or VTPs.
- Candidates are allowed to get registered themselves either directly on the portal or through Testing Centre concerned.
- Assessing Bodies apply online list of candidates to be assessed to respective RDAT who, in turn, acknowledge the same by allotting ABN. RDAT make schedule of trade test, including date, time, list of candidates and location of designated Testing Centre under intimation to AB.
- AB inform in advance about the courses, candidates list, and requirement of raw material to Testing Centre in advance.
- ABs are responsible for preparation of question papers both for theory and practical test based on the approved criteria etc.

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.

Criteria for selection of Assessment body

Minimum Eligibility Criteria

- ☑ The applicant shall be a legal entity, registered in India.
- ☑ The applicant should have in last two years carried out competency / skill assessment for minimum 1000 persons or should have trained minimum 1000 persons and got tested by some agencies such as NCVT, Sector Skill Council, State, board/ council and reputed industry Association. Organizations having experience in testing of competencies would be preferred.
- ☑ In case more number of applications is received, preference will be given to those organizations that have trained/assessed larger number of persons.
- ☑ The applicant is not a Training Provider (TP) in the same sector and in same State, but it can be TP in other States, other Sectors or other scheme.
- ☑ The applicant shall have access to technically qualified personnel of repute and integrity in different industrial trades and technology.
- ☑ The applicant shall develop dedicated human resource for handling the processes in assessment process.
- ☑ The applicant shall declare its linkages with other organization(s), if any to ensure independence and avoid any conflict of interest.
- ☑ Institutions/ Firms blacklisted by any Government Department shall not be considered in this RFP.
- ☑ The Applicant shall provide the information and supporting documents towards their claims.
- ☑ Initially provisional empanelment will be awarded to the organizations based on the evaluation of eligibility of the Assessing Body based on the criteria.
- ☑ Based on the module and sector that will be handled by the assessor, the assessing body shall send its assessor for competency evaluation in the institutions which will be notified by DGT time to time. The assessor will be assessed to ascertain the competency to carry out competency based assessment.
- ☑ Final empanelment would be granted subject to the Assessing Body fulfilling the following conditions of getting the competencies of 2 assessors of each module per State evaluated in the institutes notified by the DGT. Testing charges for evaluating the competencies of the assessors will be borne by the Assessing Bodies.

(1) Assessment process: (Mechanism of Assessment)

The assessment process aims to test and certify the competency of the persons through Assessing Bodies who seek certification of their skills acquired informally or the persons who have been trained at the registered TPs.

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The competency assessment of the candidate is being done the Assessor Competency Evaluation (ACE) qualified assessor of the independent Assessing Bodies (AB) which is not involved in training delivery, to ensure an impartial assessment. ACE is conducted to evaluate the competency of the assessor. In the assessment process, identification of competency, ways to measure the competency and deciding on the type of evidence that has to be collected are the responsibility of the Assessing bodies whereas administering the assessment and collecting the evidence and reporting the results are the responsibility of the assessors. The assessment process consists of following components:

Theory Test:

- It must assess the knowledge which is essential for a person to do the job. Without this knowledge, the person cannot be able to do the job.
- The questions shall be normally of objective type involving selection of correct response rather than writing sentences.
- The question paper should contain sketches/ diagrams/ photographs/ drawing to overcome the problems of reading comprehension.
- The test shall be of short duration.

Practical Test:

It shall be able to test:

- Manipulative skills to handle tools and equipment.
- Speed in doing work.
- Accuracy maintained
- Quality in workmanship.
- Sequence of performance.
- Economical use of material.
- Neatness & housekeeping.
- All the competencies prescribed in the course curriculum.

The Assessment Parameters adopted during assessment:

- Knowledge of equipment, limitation of use of tools and equipment, and methods & procedure.
- Understanding of functioning of equipment & tool, criteria to be used in selecting tools for given job, and the process of measurement.
- Skill in finishing to required measurement, handling measurement & calculations, handling tools and equipment with ease, finishing neatly.
- Abilities to take corrective steps, use correct work habits, take measurements, complete the job within stipulated time, and adopt safe practices.
- Attitude towards the work, accurate & precise work and co-workers and supervisor.

(1) Duration of Test:

The duration of test vary according to the task. Theory test shall of 1 hour duration and practical test for engineering trade shall be 6 to 8 hours minimum and non-engineering it shall be of 4 hours minimum. Assessing Bodies while preparing practical test shall ensure that candidate shall be tested on all the competencies prescribed in the course module.

The marking pattern and distribution of marks for the qualification are as under:

Terminal competency	Maximum marks
Application of knowledge	30
Care for tools & equipment	15
Economic use of materials	15
Safety consciousness	10
Speed	10
Accuracy	15
Quality of workmanship	20

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Amount of work	15
No. of attempts	10
Attitude	10
Total maximum marks for Practical	150
Maximum marks for theory	50

(2) Minimum pass mark:

Minimum passing marks for Practical is 60%

Minimum pass marks for theory is 40%

(3) Testing and certifications process for the course:

Pre- Assessment

- RDAT allot batches to the Assessing Bodies on rotational basis depending on the presence of assessing body in that region sector wise and the assessing body in coordination with VTP and assessor should confirm and schedule the assessment.
- The Assessing Body confirm the date of assessment in consultation with VTP and communicate to the RDAT/State.
- The Assessing Body forms a panel of ACE qualified assessors of high repute and integrity SDIS sector wise and location wise.
- The assessment of the candidates is done by the Assessing Bodies in designated Testing Centre (TC). The Testing Centre where the assessment is carried out and Testing Centre can be VTP also. The Assessing Body select the TC based on the location, accessibility and the infrastructure facilities available for conducting the test.
- The Assessing Body provide details of selected TC along with skill areas in which assessment can be done at the TC, to the RDAT and respective States/UTs.
- The Assessing Bodies depute ACE qualified assessors for assessments whose details are furnished by Assessing Bodies to DGT in advance.
- Assessing Body has to communicate to the Testing Centre following:
 - Details of the candidates to appear for assessment in various MES courses.
 - Details of Assessors selected with their contact details.
 - Requirement of infrastructure, raw material etc.
 - Testing charges to be reimbursed to Testing Centre

Preparation of assessment tools and prerequisites:

- The assessment tools contain components for testing the knowledge, application of knowledge and demonstration of skill. The knowledge test is objective paper based test or short structured questions based. The application of knowledge is verified based on questioning or seeking response for a case. Demonstration of skill is verified based on practical demonstration by the candidate by using competency checklist.
- The type of assessment tools to be used for assessment are to be prepared in advance by the assessing body in accordance to the guidelines as prescribed below:
 - Define the performance objective – This is based on the course objectives and competency in workplace as prescribed by MES curriculum. The written tests and practical tests assess all the competencies mentioned in course curriculum.
 - In case of practical test, the operations which are to be observed in case of process test (how a particular task is being carried out) are clearly mentioned and the specifications of the final product in case of product test (the task in itself).
 - List of tools, infrastructure, and equipment to carry out the assessment are prepared based on the test instruments that are planned to be used.
 - Written directions are given to the candidates before the task is attempted.
 - Scoring system, observational checklist and rating scale is prepared for each competency which is going to be assessed.

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- The checklist and rating scale have sufficient space to record observations.

Pre-assessment activities for Assessor at the Testing Centre

- Verification of student credentials: The assessor check the application form submitted by the candidates and verify the photo pasted on the forms with candidates who are taking assessment in accordance with checklist
- Verification of testing centre for adequate infrastructure, tools and equipment: The assessor verifies the availability of infrastructure, tools and equipment for carrying out both theory and practical assessments. The minimum requirement prescribed under the MES modules is used as benchmark.
- Verification of qualification of instructor: The assessor verifies the qualification and experience of the instructors in the training centre
- Attendance verification: The assessor checks the attendance register of candidates and instructors until the time biometric attendance system is put in place. Once the biometric attendance system is in place, the biometric attendance of assessors along with that of trainees/candidates has to be captured during the assessment at the start as well as end of theory and practical test.
- Attendance during assessment: The assessor takes the attendance of all the students who appear for assessment after the successful verification of the student credentials and before the start of the assessment. The assessor also provides his/her attendance during start and end of the practical and theory test.
- Pre-Assessment checklist: The assessor fill the pre-assessment checklist along with the start time and end time of assessment after verifying all the above tasks as per checklist.
- Verification of the documents related test carried out by VTP/ Testing Centre (TC) for candidates who were not able to produce document in support of having passed the qualification.

Assessment activities

- Before the start of assessment, read out the instructions to the students.
- The written test & practical test is for fixed duration as prescribed.
- It is ensured that individual attention is given to all the candidates during the practical test.
- The assessor takes photographs during the assessment process of all the students in the testing centre, the students during theory and practical tests, practical lab/workshop showing the equipment to be used for assessment, the assessor along with the students appearing for the assessment.

Post-assessment activities

- The assessor consolidates all the theory and practical test papers and ensures that all the mandatory information is filled. The total score for each student should be calculated and recorded in Result sheet.
- The assessor send the attendance sheet, Result sheet, answer papers by courier/post to the assessing body immediately after the completion of assessment
- Uploading outcome of the assessment and photos in portal by assessing body
- Assessing body upload the results within one week of the assessment date.
- Photos taken by the assessors during assessment are sent to respective RDATs through e-mail only. Non dispatch of photos of assessment to RDAT makes assessment void. Re-assessment of such batch is done by the Assessing Bodies on their own expenses.
- Details of assessors are emailed to RDAT at the time of uploading the outcome of the assessment. Outcome of the assessment is not accepted in case details of assessors are not emailed to respective RDAT. This procedure is applicable till automatic selection of assessors is provided on the web-portal of SDIS.
- Maintaining assessment records
- Publishing of results and Certificate issue
- RDAT verifies the outcome of the assessment, details of assessors, photos and print and sign the certificates for successful candidates and send it to the respective candidates. In case of direct candidate's assessment, the Certificates are sent to the Assessing Body.
- Certificates which will be issued carry photograph of the trainee, name of VTP, start date & end date of training and duration of training once the systems for the same are put in place.

The certificate is issues under the aegis of NCVT. All the communications are done through portal.

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Please attach any documents giving further information about assessment and/or RPL.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

ASSESSMENT EVIDENCE

Complete a grid for each component as listed in “Formal structure of the the qualification” in the Summary.

NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – ie Learning Outcomes to be assessed, assessment criteria and the means of assessment.

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Title of Component: ADVANCE APPAREL MANUFACTURING

Outcomes to be assessed	Assessment criteria for the outcome	MEANS OF ASSESSMENT
1 Understand the process of garment manufacturing unit	A01- Visit to ready made garment industry	Practical
	A02- Record all the units of Garment manufacturing industry	Theory
	A03- Understand the work process of garment manufacturing unit	Theory
	A04- Enlist the work process from sampling till shipment	Theory
2. Make Sample of garment components	A01- Define seams and application of seams in different fabrics	Theory test
	Ao2- Define seam finishes application of seams in different fabrics	Theory test
	A03- Define Plackets and application of plackets in garments	Theory test
	A04- Define Pockets and application of different pockets in garment construction	Theory test
	A05- Define cuffs and types of cuffs	Theory test
	A06- Define darts ,its types and importance	Theory test
	.A07- Identify tools for Cutting, Sewing & Finishing and use of these tools with safety.	PRACTICAL TEST
	A08- Describe the various types of fabric and their characteristics	Theory test
	A09- Select suitable fabric. Select suitable needle size and sewing thread according to fabric	Practical Test
	A010- Straighten the fabric grain	PRACTICAL TEST
	A011-. Sit in a correct posture and test the stitch	PRACTICAL TEST

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	formation in the sewing machine.	
	A012- Use proper sewing aids while sewing the garment.	PRACTICAL TEST
	<p>A013-</p> <ul style="list-style-type: none"> ✓ Use appropriate stitching techniques such as single pointed darts, plain seam, continuous placket, casing and decorative hem ✓ Check the direction of darts ✓ Finish the garment by applying suitable fasteners 	PRACTICAL TEST
	<p>A014-</p> <ul style="list-style-type: none"> ✓ Maintain the shape of the necklines ✓ Select the proper method of finishing the neckline ✓ Follow perfection while stitching in curves ✓ Maintain neatness and balance throughout the process 	PRACTICAL TEST
	<p>A015-</p> <ul style="list-style-type: none"> ✓ Finish the end point of the placket ✓ Mark and cut the finishing strips ✓ Follow straight edge stitching 	PRACTICAL TEST
	<p>A017-</p> <ul style="list-style-type: none"> ✓ Select and mark the placement of the pocket ✓ Stitch neatly the corners in case of patch pockets ✓ Secure the ends of the pocket mouth ✓ Follow neatness while sewing with the base fabric 	PRACTICAL TEST
	A018-Select suitable interlining and its facing for the main fabric	PRACTICAL TEST

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	<ul style="list-style-type: none"> ✓ Check the balance of the collars ✓ Maintain shapes at the both ends of the collars ✓ Follow sharp collar points while turning the collar 	
	<p>A019-Check the fabric suits the sleeve style</p> <ul style="list-style-type: none"> ✓ Cut the fabric for sleeve by following proper fabric grain ✓ Finish the bottom of the sleeve neatly 	PRACTICAL TEST
	<p>A020-</p> <ul style="list-style-type: none"> ✓ Select suitable interlining material according to main fabric ✓ Fix or Fuse the interlining to the main fabric ✓ Maintain neatness while sewing the corners of the cuff ✓ Make neat top stitching on the cuff 	PRACTICAL TEST
	A021- Solve the sewing machine problems with suitable remedies after finding the causes.	PRACTICAL TEST
	A022- Follow the safe measures and needle guard policy while doing the sewing.	PRACTICAL TEST
3. Practice on Industrial sewing machine	A01- Identify the Parts and attachments of Industrial sewing machine	Practical
	A02- Enlist the names of special attachments and parts of sewing machine	Theory
	A03- Practice the basic sewing lines on industrial sewing machine	Practical
	A04- Identify the common machine defects	Practical
	A05- Enlist the rectification of common machine defects	Theory
4.Prepare samples of dyeing	A01- Define dyeing	Theory
	A02-Discuss different types of dyeing &their characteristics	Theory

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	A03-Identify tools for Tie and dye printing, Thread ,Dyes and Fasteners and use of these tools with safety	PRACTICAL TEST
	A04-Select the design features of the Tie and Dye	PRACTICAL
	A05-Select the fabric and raw materials	PRACTICAL
	A06-Draw the pattern for the sample	PRACTICAL
	A07-Prepare the sample by tying the design with the thread	PRACTICAL
	A08- Prepare the dye stuff in boiling water for the fabric sample	PRACTICAL
	A09-Immerse the fabric swatch and boil it in the dye solution	PRACTICAL
	A010- Take the sample of the fabric out of dye solution	Practical
	A011- Immerse the fabric swatch in the fastener	Practical
	A012- Remove the fabric swatch and let it dry .	Practical
	A013- Untie the Threads used for tying the design.	Practical
	A014-Finish the sample.	Practical
Prepare samples of Printing	A01-Define Printing	Theory
	A02-Discuss characteristics of Printing	THEORY
	A03-Describe the dyes and pigments used in printing	THEORY
	A04-Identify tools for printing, and use of these tools with safety	PRACTICAL TEST
	A05-Select the Blocks for the printing	PRACTICAL TEST
	A06Select the fabric and raw materials	PRACTICAL TEST
	A07Lay the fabric on the	PRACTICAL TEST

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	printing table	
	A08Prepare the dye stuff of print	PRACTICAL TEST
	Ao9Immerse or apply the in the dye stuff on fabric	PRACTICAL TEST
	A010Let The Fabric Dry	PRACTICAL TEST
	A011- Finish the sample.	PRACTICAL TEST
Identify pattern defects ,Finishing defects ,packing defects	A01- Discuss the various defects found in patterns ,finishing ,and packing	Theory
	A02-I identify the defects foug in pattern,finishing,and packing	Practical
Check Measurement as per spec sheet	Define specification sheet	Theory
	Read the specification sheet	practical
	Record the measurement of the sheet	practical
	Check the measurement of the given garment as per speech sheet	practical
	Record the alteration	practical
Construct Garments Shirt/ Dress/ Trousers/ T – Shirt	A01-Identify tools for Drafting, Cutting, Sewing & Pressing and use of these tools with safety.	PRACTICAL TEST
	A02-Decide the design features of the garment(Shirt,safari,kurta)	PRACTICAL TEST
	A03-Select the fabric and other raw materials suitable for the garment.	PRACTICAL TEST
	A04-Explain the measuring units and measuring techniques for required measurements.	PRACTICAL TEST
	A05-Straighten the fabric grain and prepare the fabric for cutting	PRACTICAL TEST
	A06-Select and make a suitable economical pattern layout on the fabric and estimate the fabric consumption.	PRACTICAL TEST
	A07-Mark the pattern outline properly and cut the components by selecting suitable shears.	PRACTICAL TEST

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	A08-Identify and select the suitable industrial sewing machines for each process of constructing the garment.	PRACTICAL TEST
	A09-Select suitable needle size and sewing thread according to fabric	PRACTICAL TEST
	A010-Make upper and lower threading in the required Industrial Model sewing machines.	PRACTICAL TEST
	A011- the garment using the Industrial model sewing machines with sewing aids by following proper seam and other allowances	PRACTICAL TEST
Prepare Test reports of Fabric for color fastness, Light fastness ,Dimensional changes	A01- Identify the tools and equipments required for testing the fabric	Practical
	A02- Take a swatch of fabric check for color fastness	Practical
	A03- Record the changes of color fastness	Practical
	A04-Take a swatch for light fastness	Practical
	A05- Check and record the change for light fastness	Practical
	A06- Take a swatch for checking dimensional stability	Practical
	A07- Check and record the changes in dimensional stability	Practical
Prepare drafts of Basic Blocks	Identify tools for Drafting, Cutting, and use of these tools with safety.	Practical
	Draw and prepare drafts of basic blocks Front bodice block Back bodice block Sleeve block Trouser block Skirt block	Practical
	Mark the pattern outline properly and cut the pattern components by selecting suitable shears.	Practical
Prepare Commercial PATTERN	Record the measurement for drafting commercial pattern	Theory
	Identify tools for Drafting, Cutting, and use of these tools with safety.	Practical

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	Draw the basic lines of the pattern	Practical
	Identify tools for Drafting, Cutting, and use of these tools with safety.	Practical
Prepare Time and action plan	A01-Identify The Purchase order and understand its terminology	Theory
	A02-Prepare TNA by purchase order and record	Practical
	A03- Prepare Cost Sheet and record	Practical
	A04- Prepare Order sheet and record	Practical
	A05-Prepare Merchandise calendar and record	Practical
Prepare Cost sheet	A06-Open the software and do the required page setup for the design	Practical test
	A07-Identify and use the suitable tools	practical
	A08-Enlist the Material Cost	Theory test
	A09-Enlist the labour cost	Theory test
	A010-Enlist the overhead cost	Theory Test
	A011-Open the format of Internal and External cost sheet	Practical test
	A012- Insert all the Information rates of the articles in the sheet	Practical test
	A013 Insert the formula for the calculation	Practical test
	A014- Record and save the file	Practical test
Understand concept of CAD PATTERN making software	A01-Open the software and do the required page setup for the pattern making	Practical
	A02-Enlist the tools of Pattern Making software	Theory
	A03-Enlist the short cut keys of the tools of Pattern Making software	Theory
	A04-Identify and use the suitable tools for Pattern Making	Practical

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	A05-. Draw paper pattern by inserting measurement values in the box with the help of software	Practical
	A06- Insert in the paper pattern with the darts and other details with the help of software tools available in the software	Practical
	A07Save the file in a folder and take the print out of the design using Colour Printer	Practical
SOFT & ENTREPRENURESHIP SKILLS		
Recognize & comply safe working practices, environment aspect and housekeeping	Ao1- Follow and maintain procedures to achieve a safe working environment in line with occupational health and safety regulations and requirements and according to site policy.	PRACTICAL TEST
	Ao2-Identify and take necessary precautions on fire and safety hazards and report according to site policy and procedures.	PRACTICAL TEST
	Ao3 Report supervisor/ Competent of authority in the event of accident or sickness of any staff and record accident details correctly according to site accident/injury procedures.	THEORY TEST
	Ao4- Identify Personal Productive Equipment (PPE) and use the same as per related working environment.	PRACTICAL TEST
	Ao5-Identify basic first aid and use them under different circumstances.	PRACTICAL TEST
	Ao6- Take opportunities to use energy and materials in an environmentally friendly manner	PRACTICAL TEST
	Ao7- Avoid waste and	PRACTICAL TEST

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	dispose waste as per procedure	
	Ao8 Recognize different components of 5S and apply the same in the working environment.	THEORY TEST
Understand and practice soft skills, working with Computer and communicate with required clarity.	Ao1 Recognize & practice soft skills in day to day work.	THEORY TEST
	Ao2 Conduct appropriate discussions with within the team and report to higher authority.	PRACTICAL TEST
	Ao3 Present facts and circumstances and use appropriate terminology related to work.	PRACTICAL TEST
	Ao4 Conduct written communication.	THEORY TEST
	Ao5 Use computers and access internet for day to day activity	PRACTICAL TEST
3Demonstrate knowledge of concept and principles of basic arithmetic calculation, co-ordinate system and apply knowledge of specific area to perform practical operations.	Ao1 Apply basic arithmetic calculations for arriving dimensional parameters as per drawing.	THEORY TEST
	Ao2 Use co-ordinate system for part programming.	THEORY TEST
4Explain time management, entrepreneurship and manage/organize related	Ao1 Ascertain appropriate time for the assigned task.	PRACTICAL TEST
	Ao2- Execute the assigned task within time frame.	PRACTICAL TEST
	Ao3- Manage own work within specified time.	PRACTICAL TEST
	Ao4- Explain importance & factors affect the development Of entrepreneurship.	THEORY TEST
	Ao5- Identify service providers for developing Entrepreneur/business establishment.	PRACTICAL TEST
Means of assessment 1 The assessment comprise of		

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<ul style="list-style-type: none">• Theory Examination MCQ, VIVA Voce Practical assessment Role plays, Demonstration	
Pass/Fail The trainee is judged as pass in the qualification if minimum passing marks is obtained in each test i.e Theory and Practical. Minimum pass mark: Minimum passing marks for Practical is 60% Minimum pass marks for theory is 40%	

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SECTION 2

EVIDENCE OF LEVEL

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OPTION A

Title/Name of qualification/component: ADVANCE APPAREL MANUFACTURING			Level: 4
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
Process	The trainee handles the manufacturing activities of garments, involving predictable and routine situations along with the required housekeeping activities and safety measures well-defined in the learning outcomes as well as in the detailed syllabus contents.	The job requires the limited range of handling the various fabrics & stitches	4
Professional knowledge	The trainee acquires the factual knowledge of the profile and organizational set up of a garment industry, garment styles, production planning, spreading techniques, material handling, work study, textile manufacturing process, and merchandising. The trainee also acquires the knowledge of safety gadgets, fire-fighting and first aid as well as the knowledge of cleanliness.	The job requires the of knowledge of 1.) handling the various tools 2) Pattern Making manual/ CAD 3) handling of various types of cutting machines 4). handling various type of sewing machines	4
Professional skill	. The trainee demonstrates the skill in making garment components, constructing Garments Shirt/ Dress/ Trousers/ T – Shirt, developing pattern from specification sheet, dye/ Print material, and set up the production of garments, in a narrow range of applications. The trainee also uses appropriate rule and tool to carry out the work operations where the choices are clear. The trainee distinguishes between good and bad quality in the context of their job roles.	The job requires the application of tools & machineries required for finished various garments	4
Core skill	The trainee, in general, maintains hygiene, demonstrates the	the Job holder will able to . Construction of complete garment:	4

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Title/Name of qualification/component: ADVANCE APPAREL MANUFACTURING			Level: 4
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
	ability to communicate clearly in speech and writing, perform basic arithmetic and algebraic calculations, and understand social, political and natural environment.	men's shirt, dress, trouser and T-shirt	
Responsibility	The trainee handles the manufacturing activities of apparel, with responsibility for own work and learning.	The job holder works work as Line Quality Controllers, I.E. Executives, Production Coordinators or Merchandisers in garment production department.	4

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SECTION 3

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

The annual total investments in textiles and clothing sector increased from INR 59500 crores in 2001–02 to INR 2 lakh crores in 2011–12, growing at an average rate of 12.8 percent per annum. India is the second-largest producer and exporter of textiles and clothing in the world.

Textiles and clothing strategic plan 2011–16 to achieve manufacturing growth rate by 10 percent, exports by 15 percent in 2016. Integrated Skill Development Scheme to spend INR 1900 crores to train 1.5 million workers in the textiles sub-sector

Changing lifestyles and consumption patterns are expected to drive the sector's supply of casual wear with an 11 percent growth, which would drive demand for workforce with specialised skills in western formals design, blended fabrics and increased application work on clothes. Skill gaps are prominent at the entry level — operators, designers, merchandisers. The current training curriculum for the entry-level roles is more theoretical and doesn't address practical issues sufficiently. The current training curriculum for the entry-level roles is more theoretical and doesn't address practical issues sufficiently

Constant growth of the sector and its contribution to the economy implies that the manpower has and would continue to play an important role in the sector. However, the changing structure of the sector with a shift in production across the value chain (i.e. increased focus on yarn and fabric to final products such as garments, home textiles and technical textiles), there would be a change in the skills and characteristics of potential candidates

(Human Resource and Skill Requirements in Textile and Clothing sector 2013-17,2017-22, Volume 22 by NSDC: Annexure 2)

Moreover as per DDU_GKY_LIST OF MES COURSES more than 9826 individuals have been trained under APPAREL SECTOR in different modules in this scheme in 2015-16 & 2016-17, which shows there is huge requirement of this skill in the Apparel Market

About **7045** candidates have been placed across country by getting trained under this SCHEME IN APPAREL SECTOR under MES in 2016 which indicates the demand of the above qualification..(Annexure -3)

As per data of RSLDC, approximate 132936 youth get trained in Rajasthan in this scheme in various sector (Annexure -4)

What is the estimated uptake of this qualification and what is the basis of this estimate?

According to the NSDC report, the textiles and clothing sector plays a significant role in employment generation. The sector employs 15.23 million people, of which 2.3 million are factory workers. Currently, 15.23 million people are employed in the textile sub-sector across yarn and fabric, home textiles, technical textiles and readymade garments. Human resource requirement in

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the sector is expected to reach 21.54 million by 2022 translating into 6.31 million additional employment opportunities during the period 2013-22.

The Integrated Skill Development Scheme for the textiles and apparel sector, including jute and handicrafts, was initiated by the Ministry of Textiles, Government of India, in July 2013 to impart skills to 1.5 million workers in the next five years (2012-17).

What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF?

The Qualification has been mapped with the National Qualification Register, maintained by NSDA to ensure the qualification does not duplicate. No other qualification is available in NQR with these outcomes.

What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

- 1) DGT interacts with training providers to gather feedback in implementation and updation of qualification. Time to time the performance of Training Partners and assessing bodies are reviewed by the concerned RDAT'S for various training methodology ,training aids,certification procedure,skill sets and examination procedure .
- 2) Monitoring of results of assessments
- 3) Employer feedback will be sought post-placement
- 4) In a recent initiative, a Mentor Council (MC) for the relevant sector has been formed to review the curriculum of this qualification under the sector.
- 5) CSTARI, the research wing of DGE&T, reviews and updates the qualification, in consultation with industries and other stakeholders, on a regular basis.

The qualification is reviewed after every 2 years for updation according to latest Technologies and practices.

Please attach any documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

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SECTION 4

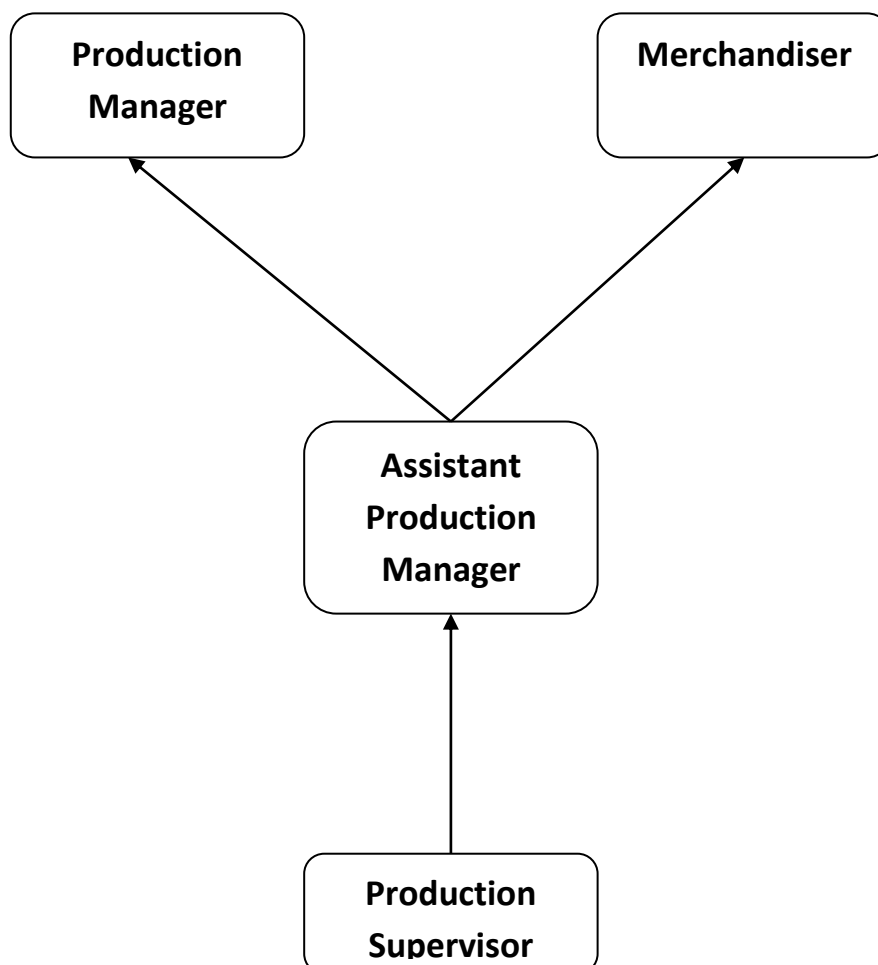
EVIDENCE OF PROGRESSION

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

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Progression chart:

An Individual has vertical and horizontal pathway to promote to higher designations in an organisation. Can further undergo specialization course to excel to the higher post in jobs listed above



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