

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Qualification Code

QG-02-CG-00180-2023-V1.1-CGSC

Capital Goods Skill Council
L-29, 1st Floor, C/o AWFIS,
Outer Circle, Connaught Place
New Delhi 110001

Name and contact details of individual dealing with the submission

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List of documents submitted in support of the Qualifications File

1. Qualification Pack
2. Model Curriculum
3. Industry Validations

SUMMARY

1	Qualification Title	Polisher Optional: Polisher - Manual
2	Qualification Code	CSC/Q0113
3	NCO code and occupation	NCO-2015/7224.0801
4	Nature and purpose of the qualification	<p>This is a Qualification Pack (QP) containing National Occupational Standards for the job role – Polisher.</p> <p>The main purpose of the qualification is to get unemployed people into work and to upgrade the skills of people already in work. The qualification will help them gain the appropriate process and technical knowledge, critical thinking and decision-making skills related to a Polisher.</p>
5	Body/bodies which will award the qualification	Capital Goods Skill Council (CGSC)
6	Body which will accredit providers to offer courses leading to the qualification	Capital Goods Skill Council (CGSC)
7	Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy)	Yes
8	Occupation(s) to which the qualification gives access	Coating and Painting
9	Job description of the occupation	<p>This job holder is responsible for carrying out mechanical polishing on a variety of surfaces, removing contamination and defects such as scratches and abrasions. The individual uses relevant machinery and abrasive tools, such as wheels, hot blackeners, vibratory finishers, and dryers while performing relevant activities such as fluidized bed polishing, vapour blasting, rotary polishing, shot blasting, etc.</p>
10	Licensing requirements	N/A
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NA

12	Level of the qualification in the NSQF	2			
13	Anticipated volume of training/learning required to complete the qualification	270 hours			
14	Indicative list of training tools required to deliver this qualification	<p>Some of the training tools that can be used for the curriculum include:</p> <ul style="list-style-type: none"> • Vibratory Bowl, Finishing Machine, Rotating Barrel Machines, Swirling Fluidized Bed Polishing Machine, Vapour Blasting Machines, Rotary Polishing Machine, Shot Blasting Machine, Surface Finish Equipment. • Personal Protective Equipment (PPE), Cleaning Equipment and Materials Like, Sanitizer, Soap, Mask etc. 			
15	Entry requirements and/or recommendations	Ability to read and write			
16	Progression from the qualification	<p>This entry should refer to one or more of the following:</p> <p>Professional progression: Access to related qualification(s) at the next NSQF level – Powder Coating Technician (L3)</p>			
17	Planned arrangements for the Recognition of Prior Learning (RPL)	<ul style="list-style-type: none"> - Response to market forces for RPL. - RPL assessments will be the same as our normal assessments. 			
18	International comparability was known	Not Yet Established			
19	Date of the planned review of the qualification.	26/5/2025			
20	Formal structure of the qualification				
	Title of component and identification code.	Mandatory/ Optional	Estimated size (learning hours)		Level
			Theory	Practical	
i)	Introductory/ Bridge modules	Mandatory	5	-	-
ii)	CSC/N1335: Follow the health and safety practices	Mandatory	20	35	3

**NSQF Qualification File Approved in 19th NSQC, dated- 26/05/22
Rationalized on file 10.03.2023**

	at work				
iii)	CSC/N1336: Coordinate with co-workers to achieve work efficiency	Mandatory	10	20	3
iv)	CSC/N0113: Carry out polishing using the relevant machinery, tools and equipment	Mandatory	30	30	2
v)	CSC/N0703: Carry out manual polishing on various metals and metal alloy components	Optional	25	35	2
vi)	Employability Skills	Mandatory	30		
	OJT	Mandatory	30		
	Total		270		

Please attach any document giving further detail about the structure of the qualification – e.g., a Curriculum Document or a Qualification Pack.

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

1. Qualifications Pack - Polisher

SECTION 1
ASSESSMENT

21	<p>Body/Bodies which will carry out the assessment:</p> <ul style="list-style-type: none"> • <i>Multi Skills Assessors Guild (MSAG)</i> • <i>Ginger Webs Pvt. Ltd.</i> • <i>IIW</i> • <i>Cleveratti Skills Pvt. Ltd.</i> <p>More Assessment Agencies are being empanelled to cover a wider geographical area</p>
22	<p>How will the RPL assessment be managed and who will carry it out?</p> <p><i>RPL will be based on the same approved Qualification Pack and Assessment Criteria mentioned in the Qualification Pack and will be carried out as per the normal CGSC assessment process. The Training Partner or any other authority as prescribed by the Steering Committee will identify and counsel candidates eligible for RPL through mobilization camps and advertisements. The mobilized candidates can be counselled, oriented about the standardized NSQF framework and the basis of their existing competency will be mapped against the suitable level of the concerned Job role for assessments. The candidates enrolled will be assessed by the Assessment Agency affiliated with the Sector Skill Council on the basis of assessment criteria decided by the Sector Skill Council (SSC). The candidate will need to pass the minimum assessment criteria of a particular QP decided by the SSC. Successfully assessed candidates with a valid Aadhaar or alternate ID (as per process) will be eligible for QP-NOS based Certification.</i></p>
23	<p>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.</p> <p><i>The emphasis is on 'learning-by-doing and practical demonstration of skills and knowledge based on the performance criteria. The assessment papers are developed by Subject Matter Experts (SME) available with the Assessment Agency as per the performance and assessment criteria mentioned in the Qualification Pack. The assessment papers are also checked for the various outcome-based parameters such as quality, time taken, precision, tools & equipment requirement etc. The assessment sets are then reviewed by CGSC officials for consistency. The assessments are designed to assess maximum parts during the practical hands-on work. The technical limitations at the training centres are taken care of in theory and viva. Criteria such as the use of a lift to pick heavy objects or selection of</i></p>

fire extinguishers during a fire are also assessed under theory/viva.

The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a document with their assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest, independence from commercial and other interests that would compromise the impartiality of the assessments. The assessment agencies are instructed to ideally have assessors with a minimum of 15 years of industry experience as an ITI graduate/ minimum of 10 years of industry experience as a diploma engineer and a minimum of 5 years of industry experience as a graduate engineer.

The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to CGSC Assessment Framework, competency-based assessments, assessors guide etc.

The assessors are provided with an assessor's guide developed by the Subject Matter Expert of the assessment agency as per the assessment framework. The assessment guides are developed to ensure the maximum possible consistency in the assessment by different assessors and elaborate on the following

- 1 Qualification Pack Structure*
- 2 Guidance for the assessor to conduct theory, practical and viva assessments*
- 3 Guidance for trainees to be given by the assessor before the start of the assessments.*
- 4 Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet*
- 5 Viva guidance for uniformity and consistency across the batch.*
- 6 Guidance on assessment evidence collection*

A sample format of the Assessment Guide for Polisher - Machine is attached. Similar Assessor Guides are developed and shared with the assessors before the start of the assessments as standard practices for all assessments by CGSC. The Sample of Assessor Guide is attached as Annexure 4

The assessment results are backed by the evidence collected by assessors.

- 1 The assessor needs to collect a copy of the attendance for the training done under the scheme. The attendance sheets are signed and stamped by the In-charge/ Head of the Training Centre.*

2 The assessor needs to verify the authenticity of the candidate by checking their photo ID card issued by the institute as well as any Photo ID card issued by the Central Government. The same needs to be mentioned in the attendance sheet. In case of suspicion, the assessor should authenticate and cross verify the trainee's credentials in the enrolment form.

3 The assessor needs to punch the trainee's roll number on all the test pieces. Different sections can have alpha numbering. For example, if a student's roll number is 123 then the three pieces can be numbered and punched as 123a, 123b and 123c.

4 The assessor needs to take a photograph of all the students along with the assessor standing in the middle and with the centre name/banner at the back as evidence.

5 The assessor needs to carry a camera to click photographs of the trainees working on the job and giving the theory exam, as evidence.

6 The assessor also needs to carry a photo ID card.

7 The assessor also needs to take the photographs as evidence from appropriate angles/sides of the final workpiece/ job submitted by the trainee. This evidence is signed by the trainee at the time of submission of the job piece.

8 The assessor needs to measure the dimensions and finish of the submitted workpiece as per the tolerance or standards mentioned in the assessment guide.

The details on the assessment framework are elaborated in CGSC Protocol for Accreditation of Assessment Agencies and Assessment Framework.

Please attach any documents giving further information about the 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 qualification” in the Summary.

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

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24. Assessment evidences

Title of Component:

<u>Job Role</u>	Polisher
<u>Qualification Pack</u>	CSC/Q0113, v2.0
<u>Sector Skill Council</u>	Capital Goods

Guidelines for Assessment:

1. Criteria for assessment for each Qualification Pack (QP) will be created by the Sector Skill Council (SSC). Each performance criteria (PC) will be assigned Theory and Skill/Practical marks proportional to its importance in NOS.
2. The assessment will be conducted online through assessment providers authorised by SSC.
3. Format of questions will include a variety of styles suitable to the PC being tested such as multiple-choice questions, fill in the blanks, situational judgment test, simulation and programming test.
4. To pass a QP, a trainee should pass each individual NOS. Standard passing criteria for each NOS is 70%.

Title of NOS/Unit/Component:

Assessable Outcomes	Assessment Criteria for the Outcomes	Total Mark	Out of	Theory	Practical
1. CSC/N1335: Follow the health and safety practices at work	Maintain personal health and safety	100	19	7	12
	PC1.follow the recommended practices to ensure protection from infections and transmission to others, such as the use of hand sanitiser and face mask		5	2	3
	PC2.check the work conditions, assess the potential health and safety risks, and take appropriate measures to mitigate them		3	1	2
	PC3.select and use the appropriate Personal Protective Equipment (PPE) relevant to the task and work conditions		3	1	2

PC4.follow the recommended techniques while lifting and moving heavy objects to avoid injury	4	1	3
PC5.follow the manufacturer's instructions and workplace safety guidelines while working on heavy machinery, tools and equipment	4	2	2
Assist in hazard management	14	4	10
PC6.identify existing and potential hazards at work	2	1	1
PC7.assess the potential risks and injuries associated with the identified hazards	4	1	3
PC8.coordinate with the supervisor or other relevant personnel to prevent or minimise the identified hazards	4	1	3
PC9.handle hazardous materials safely and store them in the designated storage	4	1	3
Check the first aid box, firefighting and safety equipment	10	3	7
PC10.check the first aid box to ensure it is updated with the relevant first aid supplies	3	1	2
PC11.check and test the firefighting and various safety equipment to ensure they are in usable condition	4	1	3
PC12.coordinate with the supervisor for the repair and replacement of firefighting and safety equipment	3	1	2
Assist in waste management	11	3	8
PC13.segregate waste into appropriate categories	4	1	3
PC14.recycle the recyclable waste appropriately	4	1	3

PC15.dispose of the non-recyclable waste in an environment-friendly manner, complying with the applicable regulations	3	1	2
Follow the fire safety guidelines	15	3	12
PC16.use the appropriate type of fire extinguisher to extinguish different types of fires safely	5	1	4
PC17.follow the recommended practices for a safe rescue during a fire emergency	5	1	4
PC18.coordinate with the fire department to request assistance to extinguish a serious fire	5	1	4
Follow the emergency and first-aid procedures	19	7	12
PC19.follow the organisational health and safety guidelines during workplace emergencies to ensure own and co-workers' safety	3	1	2
PC20.follow the recommended practices to minimise loss to organisational property during an emergency	4	1	3
PC21.follow the recommended procedure to free a person from electrocution	3	1	2
PC22.administer appropriate first aid to the injured personnel	3	1	2
PC23.perform Cardiopulmonary Resuscitation (CPR) on a potential victim of cardiac arrest	3	1	2
PC24.coordinate with the emergency services to request medical assistance for	3	2	1

	seriously injured/ ill personnel requiring professional medical attention or hospitalization				
	Carry out relevant documentation and review		12	3	9
	PC25.carry out appropriate documentation following a health and safety incident at work, including all the required information		4	1	3
	PC26.coordinate with the relevant personnel to review health and safety conditions at work regularly or following an incident		4	1	3
	PC27.assist in implementing appropriate changes to improve the health and safety conditions at work		4	1	3
		Total	100	30	70
2. CSC/N1336: Coordinate with co-workers to achieve work efficiency	Work efficiently with co-workers	100	63	20	44
	PC1.plan daily tasks at work to ensure their timely completion and efficient use of time		6	2	4
	PC2.carry out work responsibilities adhering to the limits of authority		6	2	4
	PC3.follow the supervisor's instructions to ensure adherence to the applicable quality standards and timescales		6	2	4
	PC4.coordinate with the co-workers to achieve the work objectives efficiently		6	2	4
	PC5.prepare the relevant documents and reports as per the supervisor's instructions, providing appropriate information clearly and systematically		6	2	4

PC6.coordinate with the supervisor or relevant personnel to deal with out of authority tasks and concerns	6	2	4
PC7.mentor and assist subordinates in the execution of their work responsibilities	6	2	4
PC8.identify possible disruptions to work through coordination with the relevant stakeholders and take appropriate preventive measures	6	2	4
PC9.use various resources efficiently to ensure maximum utilisation and minimum wastage	6	2	4
PC10.follow the recommended practices to avoid and resolve conflicts at work	6	1	4
PC11.follow the relevant organisational policies to ensure disciplined behaviour with maximum productivity at work	3	1	3
Communicate effectively with co-workers	21	6	15
PC12. follow the organisational policy for the efficient and timely dissemination of information to the authorised personnel	7	2	5
PC13.communicate clearly and politely to ensure effective communication with co-workers	7	2	5
PC14.follow the appropriate techniques for active listening during interactions	7	2	5
Practice inclusion at work	16	4	12
PC15.empathise with Persons with Disabilities (PwD)	8	2	6

	PC16.adopt gender-neutral behaviour at work		8	2	6
		Total	100	30	70
3. CSC/N0113: Carry out polishing using the relevant machinery, tools and equipment	Prepare for polishing operations	100	30	12	18
	PC1. determine the surface texture and finishing requirements by referring to the job instruction sheet and quality control documents		5	2	3
	PC2. coordinate with the supervisor for the rectification of incorrect and inconsistent information in the job specification documents		5	2	3
	PC3. select the appropriate polishing method, tools and equipment according to the polishing requirements		5	2	3
	PC4. check the availability of required workpieces/raw materials and consumables as per the job requirements		5	2	3
	PC5. prepare the work area for the polishing operations, ensuring no hazards in the area		5	2	3
	PC6. set up the relevant machinery appropriately for carrying out polishing		3	1	2
	PC7. set the workpiece using the appropriate positioning or holding devices as per job requirement		2	1	1
	Carry out polishing operations		64	16	48
	PC8. carry out polishing as per the standard procedure		7	2	5
	PC9. carry out the appropriate mechanical polishing processes such as vibro finishing, barrelling, fluidized bed polishing, vapour blasting,		6	2	4

	rotary polishing and shot blasting as per the requirement				
	PC10. check the surface finish, texture and other relevant parameters of the polished surfaces to ensure completeness of work and conformance to the applicable quality parameters	5	2	3	
	PC11. identify common surface imperfections and carry out further polishing to remove them	5	1	4	
	PC12. follow the organisational policy while handling the raw material and finished components, taking the necessary precautions	6	2	4	
	PC13. carry out polishing of components as per the given production targets	5	1	4	
	PC14. coordinate with the supervisor or other relevant personnel to resolve complex and out of authority issues	5	1	4	
	PC15. carry out minor repair and maintenance of the polishing tools and equipment and store them safely in the designated storage area	5	1	4	
	PC16. isolate the relevant machinery appropriately after use	5	1	4	
	PC17. use the relevant Industry 4.0 manufacturing technologies to ensure interconnectivity, automation, machine learning, and real-time data collection and analysis	5	1	4	

	PC18. collect and dispose of the industrial waste appropriately in compliance with the relevant environmental regulations and organisational policies		5	1	4
	PC19. carry out the necessary documentation such as job card, progress and incident reports, as per the organisational procedure		5	1	4
	Use resources optimally		6	2	4
	PC20. optimise the usage of electricity and other resources in various tasks and processes		3	1	2
	PC21. connect the electrical tools and equipment safely, and turn them off when not in use		3	1	2
		Total	100	30	70
4. CSC/N0703: Carry out manual polishing on various metals and metal alloy components	Prepare for manual polishing	100	25	10	15
	PC1. determine the polishing requirements and specifications, such as surface texture, finish and tolerance requirements, by referring to the job instructions sheet		5	2	3
	PC2. coordinate with the supervisor to seek clarification regarding the work to be completed, if required		5	2	3
	PC3. check the availability of the components/ workpieces to be polished along with the required tools, equipment, and consumables as per the job requirements		5	2	3
	PC4. prepare the work area for the polishing operations as per organisational procedure, ensuring there are no hazards in the work area		5	2	3

PC5. select the appropriate polishing method as per the work requirements	5	2	3
Carry out manual polishing	69	18	51
PC6. set up abrasive belts, grinding wheels and mops according to the requirement	5	2	3
PC7. install polishing mops and buffs following the standard procedure	5	1	4
PC8. set the component/workpiece using the appropriate positioning and work holding device	5	1	4
PC9. carry out manual polishing as per the required specifications	5	2	3
PC10. check the polished workpieces to ensure conformance to the applicable quality standards	5	1	4
PC11. identify common surface imperfections and carry out further polishing as per the requirement	5	1	4
PC12. use the relevant Industry 4.0 manufacturing technologies to ensure interconnectivity, automation, machine learning, and real-time data collection and analysis	5	1	4
PC13. follow the relevant health and safety guidelines to minimise the impact of occupational hazards	5	1	4
PC14. ensure to polish the required number of workpieces within the given timescales	5	1	4
PC15. coordinate with the supervisor or other relevant personnel to resolve any complex issues experienced	5	1	4

	with polishing, ensuring minimum impact on the productivity				
	PC16. carry out minor repair and maintenance of the polishing tools and equipment and store them safely in the designated storage area		5	2	3
	PC17. isolate the relevant tools and equipment appropriately after use		5	1	4
	PC18. collect and dispose of the industrial waste appropriately in compliance with the relevant environmental regulations and organisational policies		4	1	3
	PC19. carry out relevant documentation such as job card, progress and incident reports as per the organisational procedure		5	2	3
	Use resources optimally		6	2	4
	PC20. optimise the usage of electricity and other resources in various tasks and processes		3	1	2
	PC21. connect the electrical tools and equipment safely, and turn them off when not in use		3	1	2
		Total	100	30	70

S. No	Module Name	Duration (hours)	Assessment Marks
1	Introduction to Employability Skills	1	2
2	Constitutional values - Citizenship	1	2
3	Becoming a Professional in the 21st Century	1	4
4	Basic English Skills	2	5
5	Communication Skills	4	2
6	Diversity & Inclusion	1	2
7	Financial and Legal Literacy	4	7
8	Essential Digital Skills	3	10

9	Entrepreneurship	7	8
10	Customer Service	4	4
11	Getting ready for apprenticeship & Jobs	2	4
	Total	30	50

Means of assessment 1

Proctored online assessments (LAN and Web-based), carried out using a variety of question formats applicable for linear/ adaptive methodologies; performance criteria being assessed via situation judgement tests, simulations, code writing, psychometrics and multiple-choice questions, etc.

Means of assessment 2

Presently not considered.

Pass/Fail

To pass a QP, a trainee should pass each NOS. The standard passing criteria for each NOS is 70%

SECTION 2

25. EVIDENCE OF LEVEL

Title/Name of qualification/component: Polisher		Level: 2	
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level
Process	<p>Wide-ranging specialized theoretical learning requirements</p> <ul style="list-style-type: none"> Determine the surface texture and furnishing requirements Gather information from relevant sources to obtain the technical information relevant as per the requirement Determine the job specifications by referring to the job instruction sheet 	<p>The job role involves a wide range of theoretical understanding skills as can be seen from the job requirements given in the adjacent cell.</p> <p>The skills range from gathering data, researching, planning, prioritising to testing, analysing, finding solutions, etc. These require the application of cognitive and practical competencies.</p>	2
Professional knowledge	<ul style="list-style-type: none"> The appropriate techniques to set up the relevant machinery for the polishing procedure The use of relevant Personal Protective Equipment (PPE) during the Polishing activities Use of standard templates and tools for documenting work The methods and tools used for polishing operations Different databases are available for searching existing methods and how to access and use them 	<p>As indicated by the knowledge and understanding requirements mentioned in the adjacent cell, the job holder needs to have a variety of knowledge for carrying out mechanical polishing on a variety of surfaces and using the relevant machinery and abrasive tools, such as wheels, hot blackeners, vibratory finishers, dryers, etc.</p>	2

Title/Name of qualification/component: Polisher		Level: 2	
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level
	<ul style="list-style-type: none"> • Sources of expertise and resources available to provide information, advice and guidance on various polishing operations and tools used • The process of carrying out fluidized bed polishing, vapour blasting, rotary polishing, shot blasting, etc. • The relevance and effect of carrying out polishing operations • The necessity and effects to use the recommended techniques to produce appropriate polishing • The terminology relevant to mechanical polishing activities 		
Professional skill	<ul style="list-style-type: none"> • Follow the appropriate polishing sequence and procedures • Selection of the appropriate polishing method, tools and equipment as per the requirements • Prepare the work area for the polishing operations as per applicable procedure or operational specifications • Perform various mechanical polishing operations • Operate the appropriate polishing tools as per 	As indicated by the performance criteria in the adjacent cell, the job holder needs to have cognitive and practical skills to perform polishing operations on a variety of surfaces.	2

Title/Name of qualification/component: Polisher			Level: 2
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level
	<p>the requirement</p> <ul style="list-style-type: none"> Inspect the machine and machined components as per recommended the frequency Create detailed views using various scales as per the requirement 		
Core skill	<p>Logical and mathematical skills</p> <ul style="list-style-type: none"> Perform the appropriate work-related calculations <p>Collecting and organising information</p> <ul style="list-style-type: none"> Use the standard templates and tools for documenting work Carry out the necessary documentation such as job card, progress and incident reports, as per the organisational procedure Document the impact of relevant techniques, processes and equipment used in various polishing operations 	<p>The job holder requires logical and mathematical skills to perform appropriate evaluations and analyses.</p> <p>A job involves collecting and organising information as indicated by the performance criteria in the adjacent cell.</p>	2
Responsibility	<ul style="list-style-type: none"> Carry out mechanical polishing on various surfaces Remove contamination and defects such as scratches and abrasions 	<p>The job holder is responsible for carrying out mechanical polishing on a variety of surfaces, as per the given job requirements. It involves following the relevant surface finishing methods along with the use of appropriate</p>	2

Title/Name of qualification/component: Polisher			Level: 2
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level
		tools and equipment.	

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SECTION 3
EVIDENCE OF NEED

26	<p>What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?</p> <p>While collecting data from the relevant companies for the occupational map, we also took feedback from the industry concerning the qualification packs being revised.</p> <p>This was largely based on the volume of people required, a quantitative and qualitative shortfall that the industry feels they face. The governing council of CGSC gave final approval and endorsement for the same.</p> <p>The improvement in the industrial policies and better ranking in the World Bank Doing Business indicator has been the key factors behind the improving FDI scenario in India. As per the Global Investment Trade Monitor 2019 report by UNCTAD, India remained among the top 20 recipients of FDI investment globally in 2019. The report further stated India as the major driver of the FDI growth in the South Asian economy which recorded a 10 per cent increase in FDI reaching up to \$60 billion. India's FDI inflow grew by almost 16 per cent in 2019 bringing it up to \$49 billion. Turnover of the capital goods industry is estimated to have reached US\$ 70.00 billion by 2017 and is estimated to grow to US\$ 115.17 billion by 2025. The industry grew 21.1 per cent year-on-year between Apr-Sep 2020.</p> <p>The capital goods sector is the base of many industries, thus an essential component of manufacturing. With a total market size of US\$ 92 billion and production valued at US\$ 32 billion, the Capital Goods sector today contributes to 12% of India's manufacturing output and 1.8% to GDP. The capital goods industry is estimated to have employed 2.8 million people in 2017, which is set to see further growth. Although there is a potential of propelling the sector to approximately INR 7 lakh crore over the next 4- 5 years, the sector is currently facing insufficient off-take due to a lack of domestic and global demand. CII has a National Committee on Capital Goods and Engineering having representation of over 35 leading companies and 6 sub-sector associations</p> <p>An industry-determined specification of performance sets out the skills, knowledge and attitudes required to work effectively in employment.</p> <p>For employers, the Polisher Qualification standards offer:</p> <ul style="list-style-type: none">▪ a means of assessing occupational competence objectively, including knowledge and understanding of the subject▪ a guide for job descriptions and recruitment requirements▪ a basis for staff appraisals
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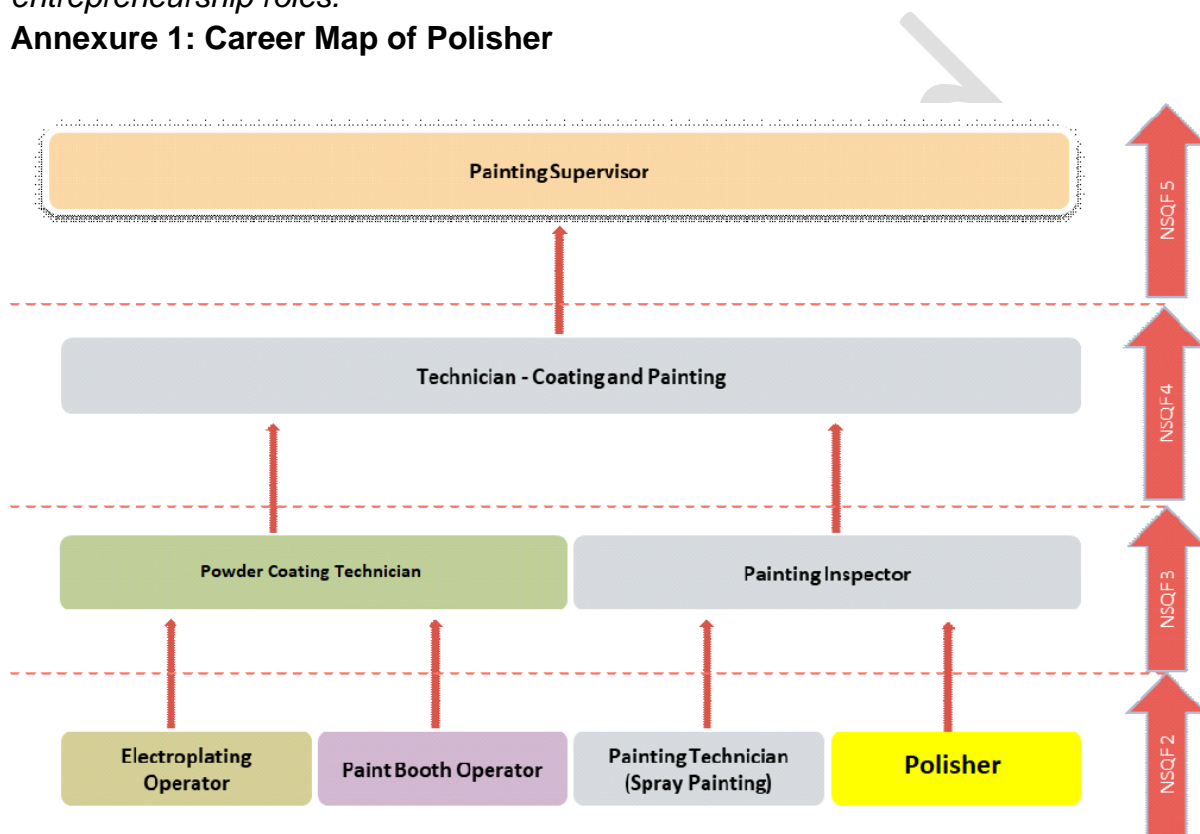
	<ul style="list-style-type: none"> ▪ a systematic approach to analysing training needs ▪ an opportunity to improve overall company performance by developing a better-trained, better-equipped and more effective workforce. <p>To employees and freelancers, the Polisher Qualification standards provide:</p> <ul style="list-style-type: none"> ▪ a means for recognizing the ability ▪ a means for determining gaps in knowledge, experience and skills ▪ an objective process for identifying training needs ▪ performance indicators and a guide to effectiveness and efficiency. <p>One of the most valuable uses of the occupational standards is in the assessment of a person's performance within a particular job. Because the standards are based on the industry's requirements for ability, skills and knowledge, they provide an objective and directly relevant measure for employers and employees alike.</p> <p>The Qualification Pack shall also help conduct Recognition of Prior Learning of the Polisher</p>
27	<p>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences</p> <p>In place.</p>
28	<p>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF?</p> <p><i>This is the revised version of the already NSQC approved QP. The revision has been undertaken as the QP is going to expire soon.</i></p>
29	<p>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?</p> <ul style="list-style-type: none"> • <i>Agencies have been appointed by the SSC to interact with training providers to gather feedback in implementation.</i> • <i>Monitoring of results of assessments</i> • <i>Employer feedback will be sought post-placement</i> • <i>A formal review is scheduled in a two-year time</i> <p><i>The above data is used to update the Qualification and this revision is published annually. Nonetheless, if major feedback is received prior to the planned review period, the change is considered in consultation with the industry council.</i></p>

SECTION 4
EVIDENCE OF PROGRESSION

30 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?

Career path in the capital goods sector is generally in terms of activities done & ownership of responsibility because they are primarily salaried employee/ entrepreneurship roles.

Annexure 1: Career Map of Polisher



The Career /Occupational Map reflects horizontal and vertical mobility emanating from 'Job Families 'and 'Tracks' across NSQF and experience levels.

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.