

NSQF QUALIFICATION FILE**Approved in 17th NSQC Meeting-NCVET-Dated 31st March, 2022****CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE****Name and address of submitting body:**

**Paints and Coatings Skill Council, Unit No. 1019, Summit Business Park,
Off Andheri Kurla Road, Andheri East, Mumbai – 400093.**

Name and contact details of individual dealing with the submission**Name: Mamka Hakim****Position in the organisation: Vice President – Standards & Quality****Address if different from above: Same as above****Tel number(s): 9920376480****E-mail address: managerquality@pcsc.in****List of documents submitted in support of the Qualifications File**

1. **Occupation Map**
2. **RFP for development of National Occupational Standards**
3. **GC Resolution for formation of NOS Sub-committee and its composition**
4. **Approval of QP/ NOSs**
5. **List of companies and Industry associations participated and validated QP/NOS**
6. **Mapping of Manpower skills in the Paints and Coatings Industry**
7. **Function Analysis**
8. **Model Curriculum**

Model Curriculum to be added which will include the following:

- **Indicative list of tools/equipment to conduct the training**
- **Trainers qualification**
- **Lesson Plan**
- **Distribution of training duration into theory/practical/OJT component**

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1	Qualification Title	Powder Coater
2	Qualification Code, if any	PCS/Q5102 V2.0
3	NCO code and occupation	7131.0200; 7131.0300
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	Short term and apprenticeship training for Powder Coater
5	Body/bodies which will award the qualification	Paints and Coatings Skill Council
6	Body which will accredit providers to offer courses leading to the qualification	Paints and Coatings Skill Council
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	Industrial Paint Application
9	Job description of the occupation	The Powder Coater coats metal surfaces like home appliances, auto parts, control panels, furniture, heavy machinery, hospital equipment, office furniture, etc. The individual at work assesses the component to be coated, understands colour, powder chemistry and finish required, prepares the part for powder application and coats it using appropriate tools and equipment, to achieve the desired finish as per company standards and requirement.
10	Licensing requirements	Not Applicable
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	Not Applicable
12	Level of the qualification in the NSQF	4
13	Anticipated volume of training/learning required to complete the qualification	420 hours

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14	Indicative list of training tools required to deliver this qualification	Training tools list as per the model curriculum
15	Entry requirements and/or recommendations and minimum age	<p>8th Class Pass + ITI (2 years) and 2 years' experience Or 10th Class Pass with 2 years' experience Or 10th Class Pass + ITI (1 year after Class 10th) with 1 year experience Or 10th Class Pass + ITI (2 years after Class 10th) Or 10th Class Pass and pursuing continuous regular schooling Or 3-year Diploma (after 10th) Or 12th Class Pass and 6 months' experience Or Certified for Assistant Decorative Painter (NSQF level 3) and 2 years' experience</p>
16	Progression from the qualification (Please show Professional and academic progression)	Powder Coater can become Supervisor Powder Coater. With experience and acquiring additional qualifications can become QC & Testing Supervisor. Please see the attached progression chart
17	Arrangements for the Recognition of Prior learning (RPL)	Will be done at locations/ training centres where required lab facility is available.
18	International comparability where known (research evidence to be provided)	Not established

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19	Date of planned review of the qualification	The qualification will be revised or updated after 5 years or earlier based on Industry/ NOS Sub-committee inputs to check the relevance of QP/NOSs, and revise the QP/ NOS.	
20	Formal Structure of the qualification		
	Mandatory Components		
	PCS/N5109 : Plan, prepare, pre-treat, and coat the component with powder coating	364	4
	PCS/N9901 : Co-ordinate with colleagues and customers	12	4
	PCS/N9902 : Maintain standards of product/ service quality	22	4
	PCS/N9903 : Maintain OH&S standards and follow environmental norms	22	4
	Sub Total (A)	420	
	Optional Components		
	Title of Component and identification code/ NOSs/ Learning Outcomes	Estimated Size (learning hours)	Level
	NA	0	
	Sub Total (B)	0	
	Elective Components		
	Title of Component and identification code/ NOSs/ Learning Outcomes	Estimated Size (learning hours)	Level
	NA	0	
	Sub Total (C)	0	
	Total (A+B+C)	420	

SECTION 1

ASSESSMENT

21	Body/Bodies which will carry out assessment: Aon, Aman Skills Programming Society, Aspire Assess Skill, Assess People, Diversified Business Solution, Navriti, Proximo, Radiant Infonet, etc.
22	How will RPL assessment be managed and who will carry it out? RPL will be based on the same Qualification Pack and Assessment Criteria mentioned in the QP. The above assessment bodies will carry out the RPL assessment.
23	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. Standardised assessment criteria developed by PCSC. Selected Assessment bodies have been vetted for capability and robust system/ procedure. Question bank of Assessment bodies reviewed and vetted by technical experts/ SMEs employed by PCSC. Assessment to be done only by certified assessors who have undergone ToA program. To follow online based assessments except when this is not possible (example due to poor net access, digital illiteracy). Video evidence of the assessment.

Please attach most relevant and recent 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.

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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 – ie Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. Assessment evidences

Title of Component:

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
PCS/N5109 Plan, prepare, pre-treat, and coat the component with powder coating	Compulsory Core NOS. % weightage 60. Minimum Passing % 60.
PCS/N9901 Co-ordinate with colleagues and customers	Compulsory Non-Core NOS. % weightage 10. Minimum Passing % 60.
PCS/N9902 Maintain Standards of product/ service quality	Compulsory Non-Core NOS. % weightage 10. Minimum Passing % 60.
PCS/N9903 Maintain OH&S Standards and follow environmental norms	Compulsory Non-Core NOS. % weightage 20. Minimum Passing % 60.
Means of assessment 1	Blended. Online assessment of theory and physical assessment of practicals.
Means of assessment 2 Add boxes as required.	
Pass/Fail	Minimum 60% per NOS and aggregate.

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Title Name of Qualification /Component : General Industrial (Liquid) Painter PCS/Q5108					
Level 4					
Process required	Professional knowledge	Professional skill	Core skill	Responsibility	Level
S/he is familiar with the work, which is predictable and routine situation of preparation and coating different surfaces used in their profession. In most cases, s/he works independently	S/he has the knowledge of different types of substrates, it's characteristics, process of preparation and coating, use of tools and equipment and common causes of poor application.	Practical skills to inspect and identify the surface and it's condition, prepare the surface for coating using requisite tools and equipment and coat the surface as per quality standards, following the SOP.	Oral and written communication skills to communicate with superiors and colleagues, in a clear, calm and polite manner. Has a basic understanding of social norms.	Responsible for performing his job as per agreed timelines, SOP and meeting the required quality standards.	4
Level: 4	Level: 4	Level: 4	Level: 4	Level: 4	

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SECTION 3

EVIDENCE OF NEED

26	estimated uptake of estimate?	What evidence is there that the qualification is needed? What is the this qualification and what is the basis of this
	Basis	In case of SSC
	Need of qualification	Powder Coater market share is about 10% of the total Industrial Paint market. With the development of infrastructure, Gol's "Atma Nirbhar Bharat" and new emphasis on local manufacture, growth in the automobile industry and higher disposable income of the population, the requirement for Powder Coaters is expected to grow further.
	Industry Relevance	Paint manufacturers and users have validated the Qualification. Please see the attached validations.
	Usage of the qualification	There is an estimated 0.50 lakhs powder coaters working in this segment, who do not have a formal certificate. There is good scope for RPL. Certified powder coaters can be employed overseas. The past certification and plan for the next three years is attached.
27	Recommendation	from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences
	NA	
28	What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification.	<p>The qualifications on SIP have been checked. There is no duplication.</p>
29	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? Specify the review process here	<p>NOS Sub-committee will review the relevance of QP/NOSs, every 2 years. Inputs will also be sought from industry partners to check the relevance and revise the QP/ NOS, if required.</p>

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

SECTION 4

EVIDENCE OF PROGRESSION

30	<p>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?</p> <p><i>Show the career map here to reflect the clear progression</i></p> <p>Please see the attached career progression map.</p>
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