

QUALIFICATION FILE

Painting and Decorating (WorldSkills)

Short Term Training (STT) Long Term Training (LT) Apprenticeship

Upskilling Dual/Flexi Qualification For ToT For ToA

General Multi-skill (MS) Cross Sectoral (CS) Future Skills OEM

NCrF/NSQF Level: 4.5

Submitted By:

Construction Skill Development Council of India

Address: Tower 4B, DLF Corporate Park, 201&, 202 4B, Mehrauli-Gurgaon Rd, DLF Phase 3, Gurugram, Haryana 122002

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Section 1: Basic Details

1.	Qualification Name	Painting and Decorating (WorldSkills)																						
2.	Sector/s	Construction																						
3.	Type of Qualification: <input checked="" type="checkbox"/> New <input type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	NQR Code & version of existing/previous qualification: (change to previous, once approved)		Qualification Name of existing/previous version: NA																				
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA																						
5.	National Qualification Register (NQR) Code & Version (Will be issued after NSQC approval)	QG-4.5-CO-01788-2024-V1-CSDCI, v 1.0		6. NCrF/NSQF Level: 4.5																				
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other (Wherever applicable specify multiple entry/exists also & provide details in annexure)	Certificate																						
8.	Brief Description of the Qualification	A painter and decorator works in the commercial and public sectors and is responsible for the external and internal appearance of a building and its protection from water, rust, corrosion, mould, and insect infestation. There is a direct relationship between the nature and quality of the service required and the payment made by the client. Therefore, the painter and decorator has a continuing responsibility to work professionally and interactively with the client in order to give satisfaction and thus maintain and grow the business.																						
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: The Competitors must not be older than 22 years in the year of the Competition.																						
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	17		11. Common Cost Norm Category (I/II/III) (wherever applicable): I																				
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	NA																						
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	<input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online <input type="checkbox"/> Blended <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>150</td> <td>360</td> <td></td> <td></td> <td>510</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>(Refer Blended Learning Annexure for details)</p>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	150	360			510	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
Classroom (offline)	150	360			510																			
Online																								
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/7132.0100																						

15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	NA
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	NA
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:
18.	Is the Job Role Amenable to Persons with Disability	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes", specify applicable type of Disability:
19.	How Participation of Women will be Encouraged	Participation of women in skill competitions is essential to empower them. Women today form a significant part of the workforce, however, the recognition of their participation in it has always been vastly underestimated. One way to improve their meaningful participation is improving their skill capacity. Women today possess a variety of advantages in both technical and soft skills. For example, social skills, analytical skills, managerial skills, mechanical skills, and more. Skill initiatives must be taken to help with the growth of women in the workforce, our economy and our society. By following the mentioned strategies, we can ensure the participation of females in Skill Competitions: Equal access to Education, Awareness and Outreach, Role Models and Mentorship, Flexible Learning Opportunities, Financial Support (if required), Safe and Inclusive Spaces, Employer Partnerships, Networking Opportunities, Recognition and Rewards.
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (CON/N4101)
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Colleges <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
22.	Name and Contact Details of Submitting / Awarding Body SPOC (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	Name: Neha Sharma Dave Email: neha@csdcindia.org Contact No.: 0124-4513915-18 Ext-22 Website: www.csdcindia.org
23.	Final Approval Date by NSQC: 06/02/2024	24. Validity Duration: 2 years 25. Next Review Date: 06/02/2026

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory Pr.-Practical OJT-On the Job Man.-Mandatory Training Rec.-Recommended Proj.-Project

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Work Organization, Management and Communication	CON/N4101	Non-Core	4.5	2	20	40			60	30	70			100	15
2.	Problem Solving, Innovation and Creativity	CON/N4102	Non-Core	4.5	1	10	20			30	30	70			100	5
3.	Interpretation of Drawings	CON/N4103	Core	4.5	1	10	20			30	30	70			100	10
4.	Construction of Test Project (Painting and Decorating Skill)	CON/N4109	Core	4.5	10	90	210			300	30	70			100	55
5.	Quality Check and Handover	CON/N4105	Non-Core	4.5	3	20	70			90	30	70			100	15
Duration (in Hours) / Total Marks					17	150	360			510	150	350			500	100

Assessment - Minimum Qualifying Percentage

Please specify **any one** of the following:

Minimum Pass Percentage – Aggregate at qualification level: 70 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: % (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	B. Tech in Relevant Trade (2 Year) Diploma in Relevant Trade (3 Years) ITI in Relevant Trade (6 Years) General BA/BSc. / EX-Army/ 12th in Relevant Trade (6 Years)
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Graduate in Relevant Trade (8 years) Diploma in Relevant Trade (10 years) ITI in Relevant Trade (13 Years)
3.	Tools and Equipment Required for Training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If "Yes", details to be provided in Annexure)
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	B. Tech in Relevant Trade (2 years) Diploma in Relevant Trade (5 years) ITI in Relevant Trade (7 years)
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	B. Tech in Relevant Trade (2 years) Diploma in Relevant Trade (5 years) ITI in Relevant Trade (7 years)
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma in Relevant Trade (10 years) Graduate in Relevant Trade (8 years) ITI in Relevant Trade (13 Years) General BA/B.Sc/Ex-Army/12 th in Relevant Trade (13 Years)
4.	Assessment Mode (Specify the assessment mode)	Offline
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input type="checkbox"/> Yes <input type="checkbox"/> No (details to be provided in Annexure-if it is different for Assessment)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): NA
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): NA
3.	Government /Industry initiatives/ requirement (Yes/No): NA
4.	Number of Industry validation provided: NA
5.	Estimated nos. of persons to be trained and employed: NA
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: NA If "No", why:

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrF/NSQF level justification based on NCrF level/NSQF descriptors (Mandatory)	Attached
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Attached
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Attached
4.	Annexure: Assessment Strategy (Mandatory)	Attached
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is "Blended Learning")	NA
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	NA
7.	Annexure: Acronym and Glossary (Optional)	Attached
8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Attached
9.	Supporting Document: Career Progression (Mandatory - Public view)	NA
10.	Supporting Document: Occupational Map (Mandatory)	NA
11.	Supporting Document: Assessment SOP (Mandatory)	Attached
12.	Any other document you wish to submit:	Technical Description for Painting and Decorating

Annexure 1: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	<ul style="list-style-type: none"> Process of interacting and engaging with customers for paint application service Process of applying OBD, acrylic and emulsion paints on masonry surfaces 	As detailed, the entire process followed by a Painter & Decorator is interacting and engaging with customers for paint application service, applying OBD, acrylic and emulsion paints on masonry surfaces, applying paint on metallic/ structural steel fabricated assemblies, applying, paint, varnish and polish on wooden	4.5

	<ul style="list-style-type: none"> Process of applying paint on metallic/ structural steel fabricated assemblies Process of applying, paint, varnish and polish on wooden surfaces Process of carrying out repair of various painting faults Process of carrying out industrial liquid painting Process of carrying out texture coating, waterproofing and wallpaper application Process of Work effectively in a team to deliver desired results at the workplace Process of planning and organizing work to meet expected outcomes Process of work according to personal health, safety and environment protocols at construction site 	<p>surfaces, carrying out repair of various painting faults, carrying out industrial liquid painting, carrying out texture coating, waterproofing and wallpaper application, working effectively in a team to deliver desired results at the workplace, planning and organizing work to meet expected outcomes, working according to personal health, safety and environment protocols at construction site.</p> <p>As the work is routine and is repeated multiple times, the work becomes predictable.</p> <p>As the Painter & Decorator is required to perform the task as per the required codes and standards following the method statement available for the task, they have a clear work situation.</p>	
Professional and Technical Skills/ Expertise/ Professional Knowledge	<ul style="list-style-type: none"> Know the importance of good communication skills to engage with customers and address their concerns. Understand the safety regulations for handling and storing required painting tools, equipment and materials Know how to measure the surface to be painted and calculate the appropriate quantity of required materials Know importance of personal protection and the use of related safety gears and equipment Know basic schematics relevant to painting Understand the standard procedure for effective mixing and dilution of paints, and use reducer/thinner/ water to adjust the viscosity of paint mix, as per requirement Know how to use appropriate painting materials and mixing ingredients Know how to how to set up and operate rotary or impact power tools for painting on metallic surface Know how to how to identify welding defects Know how to carry out proper cleaning of bolts, nuts, welds, and field rivet heads 	<p>The knowledge required for Painter & Decorator is factual as it is specific and limited to the Knowledge of good communication skills to engage with customers and address their concerns, safety regulations for handling and storing required painting tools, equipment and materials, measure the surface to be painted and calculate the appropriate quantity of required materials, personal protection and the use of related safety gears and equipment, basic schematics relevant to painting, standard procedure for effective mixing and dilution of paints, use appropriate painting materials and mixing ingredients, set up and operate rotary or impact power tools for painting on metallic surface, identify welding defects, carry out proper cleaning of bolts, nuts, welds, and field rivet heads, process of applying bleaching agents on wood surface, adjusting the viscosity of paint mix and the use of different, different remedial action to be taken for resolving different defects, use of appropriate painting equipment in industrial liquid painting, properties, application methods, curing times, and compatibility of waterproofing systems with different surfaces, selecting the appropriate waterproofing system for specific areas or substrates, properties, including texture, pattern, durability, and application methods for different types of wallpapers available, etc.</p>	4.5

	<ul style="list-style-type: none"> • Know how to remove accessories before finishing, and mask the areas • Understand the process of applying bleaching agents on wood surface • Know how to adjust the viscosity of paint mix and the use of different reducers/thinners for the purpose • Know the different remedial action to be taken for resolving different defects • Know how to use of appropriate painting equipment in industrial liquid painting • Know the properties, application methods, curing times, and compatibility of waterproofing systems with different surfaces • Understand selecting the appropriate waterproofing system for specific areas or substrates • Know the properties, including texture, pattern, durability, and application methods for different types of wallpapers available 	Therefore, their knowledge is applicable to their field of work only	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	<ul style="list-style-type: none"> • Select the appropriate painting material and mixing ingredients according to the desired finish • Select and use of different painting tools, such as brushes, rollers, stirrers, scrapers, sand papers, putty blades, etc. • Select appropriate coats of paint as per the requirements • Select the different types of primers • Select the appropriate base color and colorants suitable for color match • Select finishes, varnishes, putty, primer, sealants, toners, etc. • Identify defects in the coating and take appropriate corrective measures to achieve the required finish • Select the appropriate application method based on the area and type of surface and waterproofing material 	<p>As indicated the skill set is required to Select the appropriate painting material and mixing ingredients according to the desired finish, different painting tools, appropriate coats of paint as per the requirements, different types of primers, appropriate base color and colorants suitable for color match, and also select finishes, varnishes, putty, primer, sealants, toners, Identify defects in the coating and take appropriate corrective measures to achieve the required finish, select the appropriate application method based on the area and type of surface and waterproofing material. etc.</p>	4.5

Broad Learning Outcomes/Core Skill	<ul style="list-style-type: none"> • Prepare the base surfaces and the paint mix • Applying the paint • Prepare the base surfaces, paint mix and apply paint coatings • Prepare the base surfaces, paint and varnish for application, and apply paint, varnish and polish • Identify defects in painted surfaces • Undertake the remedial measures • Apply industrial liquid painting • Apply texture coat and decorative paint finishes • Prepare for waterproofing and wallpaper application • Work effectively within a team to achieve the desired results • Work according to personal health, safety and environmental protocols at construction site • polish the defects with appropriate compound for defects 	<p>The Painter & Decorator is expected to prepare the base surfaces, prepare the paint mix, apply the paint, prepare the base surfaces, prepare the paint mix, apply paint coatings, prepare the base surfaces, prepare paint and varnish for application, apply paint, varnish and polish, identify defects in painted surfaces, undertake the remedial measures, apply industrial liquid painting, apply texture coat and decorative paint finishes, prepare for waterproofing and wallpaper application, interact and communicate in an effective manner, support co-workers to execute the project requirements, practice inclusion, plan and prepare for work, organize required resources as per work plan, complete work as per the plan, follow safety norms as defined by organization adopt healthy & safe work practices, implement good housekeeping and environment protection process and activities, follow infection control guidelines as per applicability.</p>	4.5
Responsibility	<p>The individual in this job role will be responsible for the below-mentioned activities:</p> <ul style="list-style-type: none"> • Engage with the customer • Estimate the resource requirement • Prepare the base surfaces • Prepare the paint mix • Apply the paint • Prepare the base surfaces • Prepare the paint mix • Apply paint coatings • Prepare the base surfaces • Prepare paint and varnish for application • Apply paint, varnish and polish • Identify defects in painted surfaces • Undertake the remedial measures • Plan the work • Prepare the surface and materials • Pretreat for coating • Apply the paint, dry/ bake/ cure and finish the surface • Maintain the tools and equipment • Apply texture coat and decorative paint 	<p>A Painter & Decorator is responsible for applying paint on masonry, metallic and wooden surfaces to produce decorative finishes. The individual prepares the surfaces for painting, prepares the paint mix and applies paint on different surfaces. The person also identifies and corrects faults in surfaces.</p>	4.5

	<p>finishes</p> <ul style="list-style-type: none">• Carry out waterproofing• Carry out wallpaper application• Interact and communicate in an effective manner• Support co-workers to execute the project requirements• Practice inclusion• Plan and prepare for work• Organize required resources as per work plan• Complete work as per the plan• Follow safety norms as defined by organization Adopt healthy & safe work practices• Implement good housekeeping and environment protection process and activities• Follow infection control guidelines as per applicability	
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MSQ Approved

Annexure 2: Tools and Equipment (Lab Set-Up / Competition Area)

List of Tools and Equipment

Batch Size: 30 Candidates

SI N	Tool / Equipment Name	Specification	Quantity
1	Mop and Bucket	Numbers	4 pcs per Skill
2	Chaulking gun	Numbers	6 pcs per Skill
3	absorbent felt cover	Numbers	1 pcs per Competitor
4	Electrical extention	Numbers	1 pcs per Competitor
5	Assorted bit for screwing (15 peices)	Numbers	1 pcs per 4 Competitors
6	Cordless screwdriver	Numbers	1 pcs per 4 Competitors
7	Stepladder (4 steps) skill 22	Numbers	5 pcs per Skill
8	Type R 300 skill 22	Numbers	1 pcs per Competitor
9	Industrial wash basin	Numbers	12 pcs per Skill
10	Sweeping brushes	Numbers	1 pcs per Competitor
11	Electronic level (small)	Numbers	2 pcs per Skill
12	Carpentry hammer	Numbers	2 pcs per Skill
13	3 in 1 Saw Set	Numbers	2 pcs per Skill
14	Mixed tool set	Numbers	1 pcs per Skill
15	Electronic level (small)	Numbers	2 pcs per Skill
16	Type 106 T telescopic spirit level (120 cm)	Numbers	2 pcs per Skill
17	Spray Gun (painting and decorating)	Numbers	8 pcs per Skill
18	BM Measuring tape (5m)	Numbers	1 pcs per Competitor
19	Door handle (matt nickel)	Numbers	1 pcs per Competitor
20	Door hinge left	Numbers	3 pcs per Competitor
21	BM Measuring tape (5m)	Numbers	10 pcs per Skill
22	Type Spirit level R300 skill 22	Numbers	10 pcs per Skill
23	General utility work glove	Numbers	10 pcs per Skill
24	tool bag	Numbers	2 pcs per Skill
25	Green beam crossline laser	Numbers	1 pcs per Skill
26	Digital spirit level (122 cm)	Numbers	2 pcs per Skill
27	Orbital sander skill 22	Numbers	5 pcs per Skill
28	Vacuum cleaner dust Festool	Numbers	5 pcs per Skill
29	P799BY marking/distancing adhesive - black/yellow - roll of 48 mm x 50 m	Numbers	30 pcs per Skill
30	Adhesive Tape (Red/white 50 mm)	Numbers	30 pcs per Skill
31	brush and roller cleaning station + suction	Numbers	4 pcs per Skill
32	Spray Gun	Numbers	6 per Skill
33	Water based undercoat (white)	Numbers	1 pcs per Competitor
34	rangefinder	Numbers	2 pcs per Skill
35	WAGNER XVL Pro Façade - StandardSpray	Numbers	20 pcs per Skill
36	Light for the workbay	Numbers	2 pcs per Competitor
37	Stepladder Skills 22	Numbers	1 pcs per Competitor
38	Nails	Numbers	1 boxes per Skill

39	tripod laser	Numbers	2 pcs per Skill
40	Spirit Level Type R 300	Numbers	1 per Competitor
41	Spirit Level Type 196 - 2 LED	Numbers	2 per Skill
42	Telemeter laser	Numbers	2 per Skill
43	Laser	Numbers	2 per Skill
44	General utility work gloves	Numbers	10 per Skill
45	Antiparticulate mask	Numbers	50 boxes per Skill
46	trolley rolls panel	Numbers	2 pcs per Skill
47	Hand pallet truck (skills 22)	Numbers	2 pcs per Skill
48	2 POSITION FOLDABLE TRUCK (skills 22)	Numbers	2 pcs per Skill
49	2 POSITION FOLDABLE TRUCK (skills 22)	Numbers	2 pcs per Skill
50	Industrial cleaning wipes (tub)	Numbers	2 pcs per Competitor
51	paper towel	Numbers	3 pcs per Skill
52	CALE AUTOFIXANTE	Numbers	5 pcs per Skill
53	Dishwashing liquid (1 L)	Numbers	4 pcs per Skill
54	Heavy-duty hand cleaner	Numbers	3 pcs per Skill
55	Sanding sheets 400 grit	Numbers	5 pcs per Competitor
56	Sanding sheets 240 grit	Numbers	5 sheets per Competitor
57	Glue mix (pack)	Numbers	10 pcs per Skill
58	Plastic paint kettle (1 L)	Numbers	276 pcs per Skill
59	MDF	Numbers	2 pcs per Skill
60	Masking tape low tack tape (48 mm)	Numbers	2 pcs per Competitor
61	Masking tape low tack tape (24 mm)	Numbers	3 pcs per Competitor
62	Water based gloss (Color 1) - 1l	Numbers	1 pcs per Competitor
63	Water based gloss (Color 2) - 1l	Numbers	1 pcs per Competitor
64	Water based gloss (white) - 1l	Numbers	2 pcs per Competitor
65	Vinyl matt paint (white) - 3 L	Numbers	1 pcs per Competitor
66	Chaulking filler	Numbers	1 pcs per Competitor
67	Vinyl matt paint (color 1) - 1 L	Numbers	1 pcs per Competitor
68	Vinyl matt paint (color 2) 1 L	Numbers	1 pcs per Competitor
69	Vinyl matt paint (color 3) 1 L	Numbers	1 pcs per Competitor
70	Vinyl matt paint (color 4) 1 L	Numbers	1 pcs per Competitor
71	Vinyl matt paint (color 5) 1 L	Numbers	1 pcs per Competitor
72	Vinyl matt paint (color 5) 1 L	Numbers	1 pcs per Competitor
73	Vinyl matt paint (color 7) 1 L	Numbers	1 pcs per Competitor
74	Vinyl matt paint (color 8) 1 L	Numbers	1 pcs per Competitor
75	Vinyl matt paint (color 9) 1 L	Numbers	1 pcs per Competitor
76	Vinyl matt paint (color 10) 1 L	Numbers	1 pcs per Competitor
77	Color for mixing module (red) - 250 ml bottle	Numbers	1 pcs per Competitor
78	Color for mixing module (yellow) - 250 ml bottle	Numbers	1 pcs per Competitor
79	Color for mixing module (blue) - 250 ml bottle	Numbers	1 pcs per Competitor
80	Color for mixing module (black) 250 ml bottle	Numbers	1 pcs per Competitor
81	Paint for workbase (white) - 15 L	Numbers	10 pcs per Skill

82	Scotch (24 mm) UV Gold	Numbers	2 pcs per Competitor
83	Scotch (48 mm) UV Gold	Numbers	1 pcs per Competitor
84	L-shape MDF + Door and frame construction for Workbay / TP	Numbers	1 pcs per Competitor
85	Chaulking filler	Numbers	12 pcs per Skill
86	film étirable noir	Numbers	5 pcs per Skill
87	Glue mix (pack)	Numbers	1 pcs per 3 Competitors
88	Sanding sheet P120 (pack of 100)	Numbers	3 pcs per Skill
89	Sanding sheet P180 (pack of 100)	Numbers	3 pcs per Skill
90	Sanding sheet P220 (pack of 100)	Numbers	3 pcs per Skill
91	Masking tape purple	Numbers	2 pcs per Competitor
92	Spray Booths including plant and ducting (3x3x3 m) for skill 22	Numbers	4 pcs per Skill
93	Foil/Stencil Lyon	Numbers	5 pcs per Skill
94	Foil/Stencil 2024	Numbers	5 pcs per Skill
95	Plastic bucket for mixing (5 L)	Numbers	5 pcs per Competitor
96	Plastic Bucket (10-15 Liter) PPG	Numbers	2 pcs per Competitor
97	MS polymer bonding putty	Numbers	3 pcs per Competitor
98	MDF sharp corner skirtings and door frame	Numbers	12 pcs per Competitor
99	Treated Fir/Spruce Chevron	Numbers	1 pcs per Competitor
100	Sanding sheets 120 grit	Numbers	5 sheets per Competitor
101	garbage bag	Numbers	10 per Skill
102	Handle for fine coconut broom de38 cm	Numbers	10 per Skill
103	coconut broom	Numbers	10 per Skill
104	SOAP PAINTS AND GLUES	Numbers	10 per Skill
105	WHITE RAGS	Numbers	4 per Skill
106	sorting garbage can yellow	Numbers	4 per Skill
107	Handle for fine coconut broom de 60 cm	Numbers	4 per Skill
108	Fine coconut broom de 60 cm skill 22	Numbers	4 per Skill
109	GARNITURES - LR590 AUTOCLEAN	Numbers	4 per Skill
110	GARNITURES - LR590 AUTOCLEAN	Numbers	4 per Skill
111	Manchon patte de lapin	Numbers	100 pcs per Skill
112	Door for the workbay	Numbers	1 pcs per Competitor
113	GLUE FOR MOLDINGS	Numbers	50 pcs per Skill
114	Mouldings	Numbers	3 pcs per Competitor
115	Masking plastic sheet	Numbers	23 per Skill
116	layout magnet	Numbers	10 per Skill
117	Adhesive Tape	Numbers	8 per Skill
118	self-tightening wedge	Numbers	5 per Skill
119	M Torx screw for white zinc-plated medium	Numbers	5 boxes per Skill
120	Stainless steel Torx countersunk head screw	Numbers	25 boxes per Skill
121	Stand carpet with protective film (skills 22)	Numbers	4 pcs per Skill
122	temporary marking adhesive	Numbers	20 per Skill
123	temporary marking adhesive	Numbers	20 per Skill
124	placo screws	Numbers	4 boxes per Skill

125	Screws TTPC	Numbers	4 boxes per Skill
126	man head tip	Numbers	1 kg per Skill
127	lightweight coating	Numbers	5 l per Skill
128	filling coating	Numbers	25 kg per Skill
129	CIS Laptop - Type 1	Numbers	2 pcs per Skill
130	Color Laser Printer + Scan (A3/A4)	Numbers	1 pcs per Skill
131	Mousepad	Numbers	2 pcs per Skill
132	Network filter with, at least, 5 sockets	Numbers	3 pcs per Skill
133	Color Laser Printer + Scan (A3/A4)	Numbers	1 pcs per Skill
134	CIS Laptop - Type 1	Numbers	1 pcs per Skill
135	USB Flash Drive (64 GB)	Numbers	3 pcs per Skill
136	Mousepad	Numbers	1 pcs per Skill
137	Cable HDMI (10 m)	Numbers	1 pcs per Skill
138	Screen and projector	Numbers	1 pcs per Skill
139	TV Stand to mount	Numbers	1 pcs per Skill
140	Acoustic system with 2 wireless microphones	Numbers	1 pcs per Skill
141	Network filter with, at least, 5 sockets	Numbers	1 pcs per Competitor
142	Tablet for marking	Numbers	10 pcs per Skill
143	55 inch TV with TV stand	Numbers	2 pcs per Skill
144	AutoCAD	Numbers	1 pcs per Skill
145	Windows Office	Numbers	2 pcs per Skill
146	Windows OS (11)	Numbers	2 pcs per Skill
147	Chair -Type1 (without wheels)	Numbers	4 pcs per Skill
148	Trash bin (10 L)	Numbers	1 pcs per Skill
149	Chair -Type1 (without wheels)	Numbers	3 pcs per Skill
150	Shelving	Numbers	6 pcs per Skill
151	Locker	Numbers	1 pcs per Skill
152	Brush for cleaning	Numbers	1 pcs per Skill
153	Scoop for cleaning	Numbers	2 pcs per Skill
154	Clock (on the wall)	Numbers	1 pcs per Skill
155	Trash bin (10 L)	Numbers	5 pcs per Skill
156	Chair -Type1 (without wheels)	Numbers	42 pcs per Skill
157	Chair -Type1 (without wheels)	Numbers	10 pcs per Skill
158	Clock (on the wall)	Numbers	4 pcs per Skill
159	Trash bin caoutchouc (100 L)	Numbers	6 pcs per Skill
160	Brush for cleaning	Numbers	5 pcs per Skill
161	Scoop for cleaning	Numbers	5 pcs per Skill
162	Shelving	Numbers	1 pcs per Competitor
163	Table (1200 x 600 x 800)	Numbers	2 pcs per Competitor
164	Chair -Type1 (without wheels)	Numbers	5 pcs per Skill
165	Chair -Type1 (without wheels)	Numbers	4 pcs per Skill
166	Locker	Numbers	1 pcs per 12 Experts
167	Locker	Numbers	1 pcs per 12 Competitors

168	Locker	Numbers	1 per 12 Competitors
169	paper garbage can	Numbers	6 per Skill
170	stackable bins	Numbers	4 per Skill
171	selective garbage can 120l	Numbers	2 per Competitor
172	Fire extinguisher (Powder)	Numbers	4 pcs per Skill
173	HSE First Aid Kit	Numbers	2 pcs per Skill
174	HSE First Aid Kit	Numbers	1 pcs per Skill
175	HSE First Aid Kit	Numbers	1 pcs per Skill
176	Hand Sanitizer	Numbers	5 pcs per Skill
177	Earplugs	Numbers	3 pcs per Skill
178	Protective Glasses (plastic, transparent) - Skill 41	Numbers	2 pcs per Competitor
179	Barrier Cream	Numbers	100 pcs per Skill
180	Half Mask Respirator kit	Numbers	1 pcs per Competitor
181	Non-powder gloves (large), pack of 100	Numbers	4 pcs per Skill
182	Non-powder gloves (medium), pack of 100	Numbers	4 pcs per Skill
183	Non-powder gloves (small), pack of 100	Numbers	4 pcs per Skill
184	HSE First Aid Kit	Numbers	1 pcs per Skill
185	Filter for Half Mask Respirator	Numbers	2 pcs per Competitor
186	Anti-cut gloves (size M)	Numbers	1 pcs per Competitor
187	Anti-cut gloves (size L)	Numbers	1 pcs per Competitor
188	Paper for print A4	Numbers	3 pcs per Skill
189	Paper for print A3	Numbers	2 pcs per Skill
190	Folder for A4 paper format	Numbers	5 pcs per Skill
191	File for A4 paper format	Numbers	2 pcs per Skill
192	Folder for A3 paper format	Numbers	10 pcs per Skill
193	Stapler (20 mm)	Numbers	3 pcs per Skill
194	Staple remover	Numbers	3 pcs per Skill
195	5-in-1 electric stapler-nailer	Numbers	2 pcs per Skill
196	Scotch tape(small)	Numbers	3 pcs per Skill
197	Pen (Blue)	Numbers	60 pcs per Skill
198	Pen (Black)	Numbers	30 pcs per Skill
199	Pen (Red)	Numbers	30 pcs per Skill
200	Set of markers	Numbers	3 pcs per Skill
201	Highlighter Set	Numbers	3 pcs per Skill
202	Pencil (HB) with rubber in one end	Numbers	60 pcs per Skill
203	Paper clips (100 pieces)	Numbers	5 pcs per Skill
204	cutter	Numbers	5 pcs per Skill
205	Scissors SKILL 12	Numbers	2 pcs per Skill
206	Rubber/eraser	Numbers	5 pcs per Skill
207	Notebook (A5)	Numbers	30 pcs per Skill
208	Notebook (A4)	Numbers	10 pcs per Skill
209	Flip Chart	Numbers	1 pcs per Skill
210	Paper for print A4 Self-adhesive	Numbers	6 pcs per Skill

211	Pencil Sharpener	Numbers	2 pcs per Skill
212	File for A4 paper format	Numbers	3 pcs per Skill
213	Paper for print A4 Self-adhesive	Numbers	1 pcs per Skill
214	Hole Punch (2 hole)	Numbers	1 pcs per Skill
215	Battery (AAA)	Numbers	10 pcs per Skill
216	Battery (AAA)	Numbers	10 pcs per Skill
217	Thumb Tacks	Numbers	1 pcs per Skill
218	A4 document box	Numbers	10 pcs per Skill
219	Bin Bags 100 L	Numbers	10 pcs per Skill
220	Super Glue	Numbers	3 pcs per Skill

NOTE: For regular updates on tool and equipment list (Infrastructure List) for Skill Competition for “Painting and Decorating”, kindly refer to the WorldSkills Competition Website: <https://il.worldskills.org/#/events/579/lists/1154/public>

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Training Kit (Trainer Guide, Presentations)
2. Whiteboard/ Blackboard
3. Marker
4. Projector
5. Working Model

Annexure 3: Industry Validations Summary

Provide the summary information of all the industry validations in the table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
NA	NA	NA	NA	NA	NA	NA	NA

Annexure 4: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities

NA							
NA							
NA							

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

Content availability for previous versions of qualifications:

Participant Handbook Facilitator Guide Digital Content Qualification Handbook Any Other:

Languages in which Content is available:

Annexure: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Work Organization, Management and Communication	<p>Explain health and safety legislation, obligations, and documentation</p> <p>check and ensure the availability of appropriate and usable Personal Protective Equipment (PPE) at the workplace</p> <p>use the appropriate PPE according to the nature of work and ensure other personnel also do the same</p> <p>follow and promote the appropriate measures to ensure hygiene in the workplace, e.g. regular cleaning and sanitization</p> <p>follow the applicable emergency procedures and ensure the personnel also do the same</p> <p>Learn precautions for the safe use of power and cordless tools</p> <p>Apply standards and laws relating to security, safety, and hygiene in plastering and drywall systems</p> <p>establish methods for optimal and economically organized construction site. regarding construction plan and equipment, organization and procedures, material management, staffing and timelines</p> <p>determine the correct calculations and estimates by using principles and methods</p> <p>store plasterboards and related products safely and securely</p> <p>be proactive in own continuous professional development in order to keep abreast of methods of working in the construction industry and changing technologies, for example acoustics, sustainability and environmental impact</p> <p>Work effectively as part of teams</p> <p>Work effectively with other trades</p> <p>Establish and maintain high quality standards and working processes</p> <p>identify problems promptly and manage their resolution</p> <p>select, use and store all materials safely</p> <p>plan work areas to maximize efficiency and maintain the discipline of regular tidying</p> <p>principles and methods for determine the correct calculations and estimates</p> <p>understand technical terminology and symbols</p> <p>visualize and translate customer wishes making recommendations which meet/improve their design and budgetary requirements where qualified to do so</p> <p>Produce a cost and time estimate for customers</p> <p>introduce related trades to support customer requirements</p> <p>work effectively in a team to facilitate efficiency/productivity/quality and cost control</p> <p>recognize the needs of architects and related trades</p> <p>explain the importance of swiftly resolving misunderstandings and conflicting demands</p>	30	70		
Problem Solving, Innovation and Creativity	<p>Total Marks</p> <p>Check work regularly, particularly for accuracy/standard to minimize problems at a later stage</p> <p>Recognize and understand problems swiftly and follow a self-managed process for resolving</p>	30	70		

	Challenge incorrect information to prevent problems				
	Develop creative solutions to challenges when working on restoration projects				
	Recognize opportunities to contribute ideas to improve the product and overall level of customer satisfaction				
	Demonstrate a willingness to try new methods and embrace change				
	Total Marks	30	70		
Interpretation of Drawings	Prepare site measurement drawings				
	Accurately interpret all plans, elevations, sections and enlarged details				
	Produce basic outline drawings (hand and CAD) including elevations, plans, and sections to full size				
	produce accurate complex drawings on wood to make figure on the wall/floor				
	Identify drawing errors or items that require clarification				
	Determine and check quantities of materials required				
	Calculate a cost and price for the work				
	Identify horizontal and vertical key dimensions and all angles				
	Identify curved work and mortar joint finishes				
	Interpret all project features and their required construction methods				
	Establish any features that need special equipment or templates and source these				
	Recognize specified bonding patterns and obey bonding rules during construction				
	Provide advice and guidance to other professionals such as architects and quantity surveyors				
	Keep essential notes on each installation process				
	Explain complex specialist and technical information about installations to clients and other professionals				
	Apply mathematic geometry principles to the calculation of angles, areas, perimeters, curves, arcs, volumes, ratios, etc.				
	Prepare the materials requirements, taking into account increased requirements due to compression, wastage, breakage, etc.				
	Calculate formwork surfaces and materials requirements				
	Calculate formwork surfaces and materials requirements for face concrete formwork				
	Interpret, analyse, and work with construction plans (e.g. design plans, formwork plans, reinforcement plans, detail drawings, etc.) and material and parts lists				
	Total Marks	30	70		
Construction of Test Project (Painting and Decorating)	Check the condition of substrates e.g. new or existing, hazardous/ non-hazardous				
	Check the types of substrates e.g. timber, plaster (porous and non-porous surfaces), plastic, or metals				
	Use the correct preparation process for the types of substrate to include cleaning, priming, degreasing, sealing				
	Prepare paints following the correct process, including stirring/ mixing/straining				
	Select the appropriate equipment to apply paint depending on the material, substrates, and quantity of work				
	Take into consideration the effects of temperature on paint e.g. humidity levels and weather conditions for external work				

	Protect the surrounding area to include coverage of floors/features and signage to avoid effects on people			
	Apply the correct paint systems for the types of substrate using brush, roller, paint pad, or spray, e.g. primers, undercoats and gloss			
	Use masking aids for "cutting in"/producing accurate lines			
	Regularly check the quality of painting by opacity tests to ensure consistent coverage			
	Refer to other trades where problems emerge (immediately or at a later stage) for investigation, e.g. water stain			
	Check that the quality of finishes meets specification, and take any corrective actions			
	Check the condition of substrates, e.g. new or existing			
	Check the types of substrate, e.g. timber, plastic, or metal			
	Use the correct preparation processes for the types of substrate to include cleaning, priming, degreasing, and sealing			
	Prepare paint following correct processes, as appropriate to include stirring/mixing/straining and viscosity			
	Select the appropriate equipment to apply the paint depending on the material, substrate and quantity of work			
	Take into consideration the effects of temperature, on paint e.g. humidity levels and weather conditions for external work			
	Protect surrounding areas to include coverage of floors/features and signage to avoid effects on people			
	Select appropriate spray equipment e.g. HVLP, airless, electrostatic and pressure feed			
	Apply spray paints, following COSHH and manufacturer's guidelines for the type of substrate, e.g. primer, undercoat and gloss			
	Use large scale masking aids for 'cutting in'/producing accurate lines			
	Clean and thoroughly maintain spray equipment			
	Regularly check the quality of the painting by opacity tests to ensure consistent coverage			
	Check film thickness by WFT (wet film thickness) or DFT (dry film thickness)			
	Refer to other trades where problems emerge (immediately or at a later stage) for investigation, e.g. water stain			
	Check that the quality of finish meets the specification, to include no defects, and take any correction action			
	Check condition of substrates, e.g. new or existing			
	Check types of substrate, e.g. timber, plastic, plaster, or metal			
	Use the correct preparation process for the type of substrate to include cleaning, priming, degreasing, sealing for a defect, e.g. water or oil stains			
	Size and seal the surface for even porosity, or apply lining paper as appropriate			
	Check for pattern matching requirements: random, set, off-set, alternate lengths, and reverse			
	Cut and trim wallpapers efficiently for cost effectiveness			
	Take particular precautions, e.g. use of cotton gloves, for high quality/expensive papers			
	Paste the wall and the paper or use a pasting machine (if not ready pasted), using a range of adhesives e.g. for vinyl, flock and lincrusta			

	Ensure manufacturers' guidelines are followed with regard to soaking times as necessary				
	Select the best starting positions, e.g. working away from the light, and take into consideration patterns including murals				
	Hang to vertical or plumb line and check for accuracy, taking corrective action as required				
	Re-plumb as appropriate e.g. around obstacles				
	Ensure joints are butt with exceptions such as damp-proof paper				
	Check for quality, e.g. shade variation and notify the manufacturer as appropriate				
	Check that the overall quality meets customer specification				
	Select and use and apply specialist materials e.g. sponging, ragging, bagging, stippling, and blending, wood graining, marbling and trompe l'oeil, gilding (gold and silver leaf)				
	Select and use specialist tools, e.g. for gilding				
	Design and apply stencils				
	Apply to a range of surfaces, e.g. cardboard, plastic, timber, plaster and metal				
	Prepare surfaces to a perfect finish, including clean, smooth and sized				
	Take into consideration the number of repeats/connections, location of doors, windows, corners, access requirements, room dimensions, stencil size, and spacing when working on walls				
	Follow the required order of application				
	Transfer images using different methods, e.g. tracing, pouncing, CAD materials				
	Apply the frisk film using different methods, e.g. spray and roller				
	Ensure enlarging				
	Apply the finish by free hand or template				
	Accurately measure when setting out the lettering				
Total Marks		30	70		
Quality Check and Handover	Inspect equipment, structures, and/or material to identify the nature and causes of errors, defects, or problems				
	Think critically by using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems				
	Identify actual and potential problems				
	Analyse information and evaluate options to choose and use the best solution				
	Evaluate solutions and optimize results				
	The need for all work to be presented to meet customer and related trades needs and expectations				
	The importance of joint finishing in line with the specifications provided				
	The different techniques of applying different joint finishes				
	understand the process of marking and assessment criteria of respective trade				
	respond to the juries on the queries being raised by them				
	Make and follow through decision				
	Apply appropriate techniques according to buildings' history and fabrication, whilst maintaining their integrity for both internal and external surfaces				
	Leave work areas in a suitable condition for inspection and subsequent work				

	Report positive and negative variances in work processes and results, together with their implications				
	Organize any waste material so that it can be disposed of or recycled efficiently				
	Total Marks	30	70		
	Grand Total	150	350		

NSQCA Approved

Annexure 6: Assessment Strategy

Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Days and allocation of Judgement and Measurement marks are finalized at the Competition by the Experts; however, 30% minimum of Measurement and/or blind marking must be carried out on day C4.

Each completed module (or parts thereof) are assessed on the day on which it is completed, except wallpapering (wallpapering to be assessed on day 1 for cutting and matching, general appearance day 2 for gaps, overlaps, bubbles, and lifting)

A. Module 1 - Speed Mural and Colour Matching

B. Speed competition

- At the speed competition all Competitors have to work as fast and as precisely as possible. The expenditure of time is awarded with maximum 2 marks. The fastest Competitor is awarded 2 marks, the others in the order in which they complete the task 0.10 marks less (if there are more Competitors than 20, the marking needs to be changed). Competitors who finish simultaneously will receive the same number of marks, the next Competitor 0.20 or more marks less.

C. Dimensional Accuracy: For the dimensional accuracy tests, a deviation of ± 1.0 mm from the required measurement is tolerated and deviations of more than 1.0 mm from the required measurement is given 0 marks: Maximum 1 mark is awarded per measurement point.

D. Module 2 - Free technique: Info sheet, artistic composition (Judgement), technical execution, colour concept, accurate implementation. The free technique is marked according to three criteria:

- Technical execution, maximum 3 marks (Measurement);
- The technical execution is assessed with measurement criteria. The detailed and final marking scheme is developed and agreed; by all Experts before the Competition;
- Artistic composition, maximum 2 marks (Judgement);
- The artistic composition is assessed with judgement criteria by all the Experts;
- The level of difficulty must also be assessed by the judgement group;
- The information sheet is assessed with Measurement criteria, maximum 0.50 marks;
- Colour concept, maximum 1 mark;
- Accurate implementation, maximum 2 marks;
- The final work needs to match the information sheet.

E. Module 3 - Lettering: Correct colour, clean surfaces, straight lines, clean corners, no visible reference lines, dimensional accuracy.

F. Module 4 - Main Design: Correct colour, clean surfaces, straight lines, clean corners, no visible reference lines, dimensional accuracy, overall appearance (Judgement).

G. Module 5 – Wallpapering: Cutting and pattern matching to internal corner, clean surfaces, connections, dimensional accuracy.

H. Module 6 - Door and Architraves: Panel door with moulding, inner panel only by spray, door frame and bottom skirting marks. The outer panel, the inner panel, and the moulding are painted in three different colours.

I. 0-3 Scale:

- 0: performance below industry standard
- 1: performance meets industry standard
- 2: performance meets and, in specific respects, exceeds industry standard
- 3: performance wholly exceeds industry standard and is judged as excellent

For more updates, kindly visit: <https://worldskills.org>

Annexure 7: Acronym and Glossary

Acronym

Acronym	Description
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AA	Assessment Agency
AB	Awarding Body
CSDCI	Construction Skill Development Council of India
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
WSC	World Skills Competition

Glossary

Term	Description
National Occupational Standards (NOS)	NOS defines the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf