



Assistant Construction Painter & Decorator

Options: Varnishing and polishing

QP Code: CON/Q0502

Version: 2.0

NSQF Level: 3

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Qualification Pack

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Qualification Pack

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CON/Q0502: Assistant Construction Painter & Decorator

Brief Job Description

This job role is responsible for identification and preparation of paints and all types of basic surfaces, mixing of colours & paints and their application for obtaining plain finish, erection & dismantling of temporary scaffolding and varnishing and polishing of doors and windows.

Personal Attributes

The individual is expected to be physically fit and should be able to work across various locations in extreme weather/site conditions. The person should be able to perform efficiently within a team, handle the various painting tools and materials and work responsibly.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [CON/N0502: Carry out preparation of all type of basic surfaces for painting works](#)
2. [CON/N0101: Erect and dismantle temporary scaffold up to 3.6 meter height](#)
3. [CON/N0503: Apply paints to masonry, metal and wood surfaces for obtaining plain finishes](#)
4. [CON/N8001: Work effectively in a team to deliver desired results at the workplace](#)
5. [CON/N9001: Work according to personal health, safety and environment protocol at construction site](#)

Options(Not mandatory):

Option : Varnishing and polishing

This unit describes the skills and knowledge required to carry out varnishing and polishing of doors and windows.

1. [CON/N0504: Carry out varnishing and polishing of doors, windows partitions and other wooden surfaces under supervision](#)

Qualification Pack (QP) Parameters

Sector	Construction
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Sub-Sector	Real Estate and Infrastructure construction
Occupation	Construction Painting
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7131.0101
Minimum Educational Qualification & Experience	5th Class with 1-2 Years of experience For non-trained worker, minimum 18 months experience in the same occupation OR 5th Class with 1-2 Years of experience Minimum 9 months experience as Certified Helper Construction Painter and Decorator
Minimum Level of Education for Training in School	Not Applicable
Pre-Requisite License or Training	NIL
Minimum Job Entry Age	18 Years
Last Reviewed On	19/06/2020
Next Review Date	24/07/2023
Deactivation Date	24/07/2023
NSQC Approval Date	22/08/2019
Version	2.0
Reference code on NQR	2019/CON/CSDCI/3291
NQR Version	2



Qualification Pack

CON/N0502: Carry out preparation of all type of basic surfaces for painting works

Description

This unit describes the skills and knowledge required to carry out preparation of all type of basic surfaces for painting works

Scope

The scope covers the following :

- Carry out preparation of all type of basic surfaces for painting works

Elements and Performance Criteria

Carry out preparation of all type of basic surfaces for painting works

To be competent, the user/individual on the job must be able to:

- PC1.** visually assess the surface for the type of preparation method required
- PC2.** select and use appropriate materials, tools and equipment for preparing basic surfaces by removing rust, grease, dirt, concrete, and old paint prior to paint application
- PC3.** protect the work and its surrounding area from damage in accordance with organizational procedures/instruction
- PC4.** select appropriate preparation process as per the type of surface such as plastered masonry and RCC surface, metal surface and wood surface
- PC5.** carry out surface preparation methods such as washing, stripping/ scarping, abrading & keying, and brushing for various surfaces
- PC6.** prepare metal surface by degreasing, solvent wiping and abrading using appropriate tools
- PC7.** prepare wood surface by scraping, solvent wiping and abrading using appropriate tools
- PC8.** remove existing coating as per requirement/instruction using appropriate methods
- PC9.** level and fill all voids and undulations on the surface using appropriate filler for obtaining a flushed finished surface

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices of painting works
- KU2.** safety rules and regulation for handling and storing required painting tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipment
- KU4.** how to request tools and materials as per set procedures
- KU5.** maintenance of tools and equipment



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- KU6.** types of materials required for surface preparation such as putties, stoppers, solvents, filler, mordant solutions & stabilizing solutions
- KU7.** types of tools required for surface preparation such as scraper, putty knife, chisel knife, knotting brush, nail punch, hammer, dusting brush, dust masks, wire brushes, goggles, filling knife, filling board, gloves & buckets
- KU8.** how to select and use tools and equipment for surface preparation
- KU9.** methodology for preparation of different surfaces like masonry, RCC, wood and metal by wet and dry abrading, degreasing, knotting, priming, , filling, rust removal, raking out, removal of paint systems & removal of wallcoverings
- KU10.** different type of abrasives such as glass, sand paper, sanders and their uses
- KU11.** different types of cleaning agents used for surface preparation
- KU12.** different type of fillers and their uses

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in one or more language, preferably in the local language of the site
- GS2.** read one or more language, preferably the local language of the site
- GS3.** read instructions, guidelines, sign boards, safety rules & safety tags
- GS4.** read instructions and exit routes during emergency
- GS5.** speak in one or more language, preferably in one of the local language of the site
- GS6.** listen and follow instructions communicated by supervisors
- GS7.** orally and effectively communicate with team member
- GS8.** plan self-work as per the direction under close supervision of a superior
- GS9.** ensure that all work is done as per instructions provided by superiors
- GS10.** identify location at which violation of any safety norms may lead to accidents



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out preparation of all type of basic surfaces for painting works</i>	30	70	-	-
PC1. visually assess the surface for the type of preparation method required	-	-	-	-
PC2. select and use appropriate materials, tools and equipment for preparing basic surfaces by removing rust, grease, dirt, concrete, and old paint prior to paint application	-	-	-	-
PC3. protect the work and its surrounding area from damage in accordance with organizational procedures/instruction	-	-	-	-
PC4. select appropriate preparation process as per the type of surface such as plastered masonry and RCC surface, metal surface and wood surface	-	-	-	-
PC5. carry out surface preparation methods such as washing, stripping/ scarping, abrading & keying, and brushing for various surfaces	-	-	-	-
PC6. prepare metal surface by degreasing, solvent wiping and abrading using appropriate tools	-	-	-	-
PC7. prepare wood surface by scraping, solvent wiping and abrading using appropriate tools	-	-	-	-
PC8. remove existing coating as per requirement/instruction using appropriate methods	-	-	-	-
PC9. level and fill all voids and undulations on the surface using appropriate filler for obtaining a flushed finished surface	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N0502
NOS Name	Carry out preparation of all type of basic surfaces for painting works
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Construction Painting
NSQF Level	3
Credits	TBD
Version	5.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	



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CON/N0101: Erect and dismantle temporary scaffold up to 3.6 meter height

Description

This unit describes the skills and knowledge required to erect and dismantle 3.6 meter temporary scaffold

Scope

The scope covers the following :

- Erect and dismantle temporary scaffold up to 3.6 meter height

Elements and Performance Criteria

- *Erect and dismantle temporary scaffold up to 3.6 meter height*

To be competent, the user/individual on the job must be able to:

- PC1.** level area where scaffold need to be erected and check for ground compactness if required
- PC2.** shift and stack required materials, components, tools and tackles at the instructed location
- PC3.** wear and use required safety gadgets and follow trade safety
- PC4.** place base plates and sole boards on the ground as per markings and instructions
- PC5.** use proper components and follow standard procedure for erecting temporary scaffold up to 3.6 m
- PC6.** check verticality of scaffold at first level of erection and correct (if required) before moving to the next level
- PC7.** check for rigidity, stability and support of erected scaffold
- PC8.** fix walk-boards, guard rails, toe-boards and other components on working platform
- PC9.** follow standard procedure for dismantling of 3.6 m temporary scaffold
- PC10.** remove guard rails, toe boards, walk boards and other components sequentially
- PC11.** clean and stack all components properly after dismantling
- PC12.** maintain tidiness at work location

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedure for scaffolding works
- KU2.** safety rules and regulations for handling and storing scaffolding tools, materials and components
- KU3.** personal protection including use of safety gears and equipment
- KU4.** safe working methods and movements while performing relevant tasks
- KU5.** request procedure for tools & materials
- KU6.** housekeeping & other administrative rules



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- KU7.** use of different types of scaffolds (cup-lock , frame scaffold)
- KU8.** use of tools and tackles in scaffolding works
- KU9.** identification and use of different components
- KU10.** use of tools for measurements and marking
- KU11.** basic arithmetic calculation
- KU12.** units of measurements
- KU13.** standard size of scaffolding components
- KU14.** personal protective equipment for safety
- KU15.** importance of housekeeping
- KU16.** standard procedure for erection and dismantling of 3.6 m temporary scaffold
- KU17.** tools and equipment used for erecting and dismantling 3.6 meter temporary scaffold

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in one or more language, preferably in the local language of the site
- GS2.** read one or more language, preferably the local language of the site
- GS3.** read instructions, guidelines, sign boards, safety rules & safety tags instruction related to exit routes during emergency at the workplace
- GS4.** speak in one or more language, preferably in one of the local languages of site
- GS5.** listen and follow instructions / communication shared by superiors/ co- workers regarding team requirements or interfaces during work processes
- GS6.** orally communicate with co-workers regarding support required to complete the respective work
- GS7.** decide whether the workplace is safe for working and also whether the relevant work is not creating hazardous conditions for others
- GS8.** identify and organize right scaffolding materials
- GS9.** identify and use relevant tools effectively
- GS10.** complete work as per agreed time and quality
- GS11.** minimize wastages
- GS12.** revert to superior for selection/sorting of materials
- GS13.** identify location at which violation of any safety norms may lead to accidents



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
• <i>Erect and dismantle temporary scaffold up to 3.6 meter height</i>	30	70	-	-
PC1. level area where scaffold need to be erected and check for ground compactness if required	-	-	-	-
PC2. shift and stack required materials, components, tools and tackles at the instructed location	-	-	-	-
PC3. wear and use required safety gadgets and follow trade safety	-	-	-	-
PC4. place base plates and sole boards on the ground as per markings and instructions	-	-	-	-
PC5. use proper components and follow standard procedure for erecting temporary scaffold up to 3.6 m	-	-	-	-
PC6. check verticality of scaffold at first level of erection and correct (if required) before moving to the next level	-	-	-	-
PC7. check for rigidity, stability and support of erected scaffold	-	-	-	-
PC8. fix walk-boards, guard rails, toe-boards and other components on working platform	-	-	-	-
PC9. follow standard procedure for dismantling of 3.6 m temporary scaffold	-	-	-	-
PC10. remove guard rails, toe boards, walk boards and other components sequentially	-	-	-	-
PC11. clean and stack all components properly after dismantling	-	-	-	-
PC12. maintain tidiness at work location	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N0101
NOS Name	Erect and dismantle temporary scaffold up to 3.6 meter height
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Masonry
NSQF Level	3
Credits	TBD
Version	3.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	



Qualification Pack

CON/N0503: Apply paints to masonry, metal and wood surfaces for obtaining plain finishes

Description

This unit describes the skills and knowledge required to apply paints to masonry, metal and wood surfaces for obtaining plain finish

Scope

The scope covers the following :

- Carry out preparation of base surfaces prior to painting on masonry, wood and metal surfaces
- Carry out preparation of paint mix using various constituents as per instructions
- Apply paint to produce a paint film of uniform thickness as per instructions under close supervision

Elements and Performance Criteria

Carry out preparation of base surfaces prior to painting on masonry, wood and metal surfaces

To be competent, the user/individual on the job must be able to:

- PC1.** carry out surface measurements and roughly estimate the quantity of required materials under supervision
- PC2.** ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints
- PC3.** apply putty to fill gaps and depressions on the surface for preparation of a leveled surface
- PC4.** cover the adjacent surfaces with drop cloths/ masking tape/paper and remove all removable items prior to painting

Carry out preparation of paint mix using various constituents as per instructions

To be competent, the user/individual on the job must be able to:

- PC5.** select appropriate painting material ,tools and mixing ingredients as per requirement /specified finish under supervision
- PC6.** carry put proper cleaning ,maintenance and upkeep of painting tools and equipment before and after use
- PC7.** mix the correct amount of paint material with additives as per specified ratio
- PC8.** follow standard procedure/ specification for effective mixing and dilution of paints under supervision
- PC9.** add reducer/thinner/ water to adjust viscosity of paint mix as per requirement/instructions

Apply paint to produce a paint film of uniform thickness as per instructions under close supervision

To be competent, the user/individual on the job must be able to:

- PC10.** apply primer coats to the finished/leveled surfaces as per instructions
- PC11.** apply main coat of paint over primer within specified time limits under supervision
- PC12.** apply final coat as per required tint under supervision
- PC13.** clean the surface of each dried coat appropriately as per instructions before application of the next coat



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PC14. assist in applying the final tinted coat under supervision

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices of painting works
- KU2.** safety rules and regulation for handling and storing required painting tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipment
- KU4.** how to request tools and materials as per set procedures
- KU5.** maintenance of tools and equipment
- KU6.** standard practices for painting process
- KU7.** basic measurements
- KU8.** basic sketches /specifications related to painting works
- KU9.** how to select and use appropriate tools and equipment
- KU10.** various tools and equipment used in painting such as brushes, rollers ,painting bucket, stirrers, scrapers ,sand papers, putty blades etc.
- KU11.** various painting and finishing material and mixing ingredients such as scrape, primer, base color, tint base, colorants, varnishes, enamel, etc.
- KU12.** methods of protecting adjacent surfaces prior to painting
- KU13.** how to mix the correct amount of paint material as per specified ratio
- KU14.** how to adjust viscosity of paint mix as per requirement
- KU15.** different reducers/thinners used for adjusting viscosity
- KU16.** application of primer as per requirement
- KU17.** adhesives used for binding coats of paint such as oil, turpentine, mildew remover, or other preparations, and sand rough spots
- KU18.** surface preparation methods
- KU19.** putty and its use in surface preparation

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in one or more language, preferably in the local language of the site
- GS2.** read one or more language, preferably the local language of the site
- GS3.** read instructions, guidelines, sign boards, safety rules & safety tags
- GS4.** read instructions and exit routes during emergency
- GS5.** speak in one or more language, preferably in one of the local language of the site
- GS6.** listen and follow instructions communicated by supervisors
- GS7.** orally and effectively communicate with team member
- GS8.** plan self-work as per the direction under close supervision of a superior



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- GS9.** ensure that all work is done as per instructions provided by superiors
- GS10.** identify location at which violation of any safety norms may lead to accidents



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out preparation of base surfaces prior to painting on masonry, wood and metal surfaces</i>	9	21	-	-
PC1. carry out surface measurements and roughly estimate the quantity of required materials under supervision	-	-	-	-
PC2. ensure surface is free from dust, dirt and grease and is prepared appropriately prior to application of paints	-	-	-	-
PC3. apply putty to fill gaps and depressions on the surface for preparation of a leveled surface	-	-	-	-
PC4. cover the adjacent surfaces with drop cloths/ masking tape/paper and remove all removable items prior to painting	-	-	-	-
<i>Carry out preparation of paint mix using various constituents as per instructions</i>	9	21	-	-
PC5. select appropriate painting material ,tools and mixing ingredients as per requirement /specified finish under supervision	-	-	-	-
PC6. carry put proper cleaning ,maintenance and upkeep of painting tools and equipment before and after use	-	-	-	-
PC7. mix the correct amount of paint material with additives as per specified ratio	-	-	-	-
PC8. follow standard procedure/ specification for effective mixing and dilution of paints under supervision	-	-	-	-
PC9. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement/instructions	-	-	-	-
<i>Apply paint to produce a paint film of uniform thickness as per instructions under close supervision</i>	12	28	-	-
PC10. apply primer coats to the finished/leveled surfaces as per instructions	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. apply main coat of paint over primer within specified time limits under supervision	-	-	-	-
PC12. apply final coat as per required tint under supervision	-	-	-	-
PC13. clean the surface of each dried coat appropriately as per instructions before application of the next coat	-	-	-	-
PC14. assist in applying the final tinted coat under supervision	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N0503
NOS Name	Apply paints to masonry, metal and wood surfaces for obtaining plain finishes
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Construction Painting
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	



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CON/N8001: Work effectively in a team to deliver desired results at the workplace

Description

This unit describes the skills and knowledge required to work effectively within a team to achieve the desired results

Scope

The scope covers the following :

- Interact and communicate effectively with co-workers, superiors and sub-ordinates across different teams
- Support co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task

Elements and Performance Criteria

Interact and communicate in effective and conclusive manner

To be competent, the user/individual on the job must be able to:

- PC1.** pass on work related information/ requirement clearly to the team members
- PC2.** inform co-workers and superiors about any kind of deviations from work
- PC3.** address the problems effectively and report if required to immediate supervisor appropriately
- PC4.** receive instructions clearly from superiors and respond effectively on the same
- PC5.** communicate to team members/subordinates for appropriate work technique and method
- PC6.** seek clarification and advice as per the requirement and applicability

Support co-workers to execute project requirements

To be competent, the user/individual on the job must be able to:

- PC7.** hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams
- PC8.** work together with co-workers in a synchronized manner

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** own roles and responsibilities
- KU2.** importance of effective communication and establishing strong working
- KU3.** risks of a failure in teamwork in terms of effects on project outcomes, timelines, safety at the construction site, etc.
- KU4.** different modes of communication, and its appropriate usage
- KU5.** importance of creating healthy and cooperative work environment among the gangs of workers



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- KU6.** different activities within his work area where an interaction with other workers is required
- KU7.** applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement
- KU8.** importance of proper and effective communication and the expected adverse
- KU9.** importance and need of supporting co-workers facing problems for smooth

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in at least one language, preferably in the local language of the site
- GS2.** read in one or more languages, preferably the local language of the site
- GS3.** read communication from team members regarding work completed, materials used, tools and tackles used, support required
- GS4.** speak in one or more languages, preferably in one of the local language of the site
- GS5.** listen and follow instructions / communication shared by superiors/ co-workers regarding team requirements or interfaces during work processes
- GS6.** orally communicate with co-workers regarding support required to complete the respective work
- GS7.** decide on what information is to be shared with co-workers within the team or from interfacing gang of workers
- GS8.** plan work and organize required resources in coordination with team members
- GS9.** complete all assigned task in coordination with team members
- GS10.** take initiative in resolving issues among co-workers or report the same to superiors
- GS11.** ensure best ways of coordination among team members
- GS12.** communicate with co-workers considering their educational / social background
- GS13.** evaluate the complexity of task and determine if any guidance is required from superiors



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interact and communicate in effective and conclusive manner</i>	18	42	-	-
PC1. pass on work related information/ requirement clearly to the team members	-	-	-	-
PC2. inform co-workers and superiors about any kind of deviations from work	-	-	-	-
PC3. address the problems effectively and report if required to immediate supervisor appropriately	-	-	-	-
PC4. receive instructions clearly from superiors and respond effectively on the same	-	-	-	-
PC5. communicate to team members/subordinates for appropriate work technique and method	-	-	-	-
PC6. seek clarification and advice as per the requirement and applicability	-	-	-	-
<i>Support co-workers to execute project requirements</i>	12	28	-	-
PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams	-	-	-	-
PC8. work together with co-workers in a synchronized manner	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N8001
NOS Name	Work effectively in a team to deliver desired results at the workplace
Sector	Construction
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	4.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	



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CON/N9001: Work according to personal health, safety and environment protocol at construction site

Description

This NOS covers the skill and knowledge required for an individual to work according to personal health, safety and environmental protocol at construction site

Scope

The scope covers the following :

- Follow safety norms as defined by organization
- Adopt healthy & safe work practices
- Implement good housekeeping and environment protection process and activities

Elements and Performance Criteria

Follow safety norms as defined by organization

To be competent, the user/individual on the job must be able to:

- PC1.** identify and report any hazards, risks or breaches in site safety to the appropriate authority
- PC2.** follow emergency and evacuation procedures in case of accidents, fires, natural calamities
- PC3.** follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable
- PC4.** participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site
- PC5.** select and operate different types of fire extinguishers corresponding to types of fires as per EHS guideline
- PC6.** identify near miss , unsafe condition and unsafe act

Adopt healthy & safe work practices

To be competent, the user/individual on the job must be able to:

- PC7.** use appropriate Personal Protective Equipment (PPE) as per work requirements including: Head Protection (Helmets), Ear protection Fall Protection, Foot Protection, Face and Eye Protection, Hand and Body Protection, Respiratory Protection (if required)
- PC8.** handle all required tools, tackles , materials & equipment safely
- PC9.** follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines
- PC10.** install and apply properly all safety equipment as instructed
- PC11.** follow safety protocol and practices as laid down by site EHS department
- PC12.** undertake and pass height pass test as per EHS guideline

Implement good housekeeping practices

To be competent, the user/individual on the job must be able to:

- PC13.** collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes
- PC14.** apply ergonomic principles wherever required



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Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** reporting procedures in cases of breaches or hazards for site safety, accidents, and emergency situations as per guidelines
- KU2.** types of safety hazards at construction sites
- KU3.** basic ergonomic principles as per applicability
- KU4.** the procedure for responding to accidents and other emergencies at site
- KU5.** use of appropriate personal protective equipment to be used based on various working conditions
- KU6.** importance of handling tools, equipment and materials as per applicable
- KU7.** health and environments effect of construction materials as per applicability
- KU8.** various environmental protection methods as per applicability
- KU9.** storage of waste including the following at appropriate location: non-combustible scrap material and debris, combustible scrap material and debris, general construction waste and trash (non-toxic, non-hazardous), any other hazardous wastes and any other flammable wastes
- KU10.** how to use hazardous material, in a safe and appropriate manner as per applicability
- KU11.** types of fire
- KU12.** procedure of operating different types of fire extinguishers
- KU13.** safety relevant to tools, tackles, & requirement as per applicability
- KU14.** housekeeping activities relevant to task

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in at least one language, preferably in the local language of the site
- GS2.** fill safety formats for near miss, unsafe conditions and safety suggestions
- GS3.** read in one or more language, preferably in the local language of the site
- GS4.** read sign boards, notice boards relevant to safety
- GS5.** speak in one or more language, preferably in one of the local language of the site
- GS6.** listen instructions / communication shared by site EHS and superiors regarding site safety, and conducting tool box talk
- GS7.** communicate reporting of site conditions, hazards, accidents, etc.
- GS8.** not create unsafe conditions for others
- GS9.** keep the workplace clean and tidy
- GS10.** identify safety risks that affect the health, safety and environment for self and others working in the vicinity, tackle it if within limit or report to appropriate authority
- GS11.** assess and analyze areas which may affect health, safety and environment protocol on the site
- GS12.** ensure personal safety behavior



GS13. respond to emergency



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Follow safety norms as defined by organization</i>	9	21	-	-
PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority	-	-	-	-
PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	-	-	-	-
PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable	-	-	-	-
PC4. participate in safety awareness programs like Tool Box Talks, safety demonstrations, mock drills, conducted at site	-	-	-	-
PC5. select and operate different types of fire extinguishers corresponding to types of fires as per EHS guideline	-	-	-	-
PC6. identify near miss , unsafe condition and unsafe act	-	-	-	-
<i>Adopt healthy & safe work practices</i>	15	35	-	-
PC7. use appropriate Personal Protective Equipment (PPE) as per work requirements including: Head Protection (Helmets), Ear protection Fall Protection, Foot Protection, Face and Eye Protection, Hand and Body Protection, Respiratory Protection (if required)	-	-	-	-
PC8. handle all required tools, tackles , materials & equipment safely	-	-	-	-
PC9. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines	-	-	-	-
PC10. install and apply properly all safety equipment as instructed	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. follow safety protocol and practices as laid down by site EHS department	-	-	-	-
PC12. undertake and pass height pass test as per EHS guideline	-	-	-	-
<i>Implement good housekeeping practices</i>	6	14	-	-
PC13. collect and deposit construction waste into identified containers before disposal, separate containers that may be needed for disposal of toxic or hazardous wastes	-	-	-	-
PC14. apply ergonomic principles wherever required	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N9001
NOS Name	Work according to personal health, safety and environment protocol at construction site
Sector	Construction
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	4.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	



Qualification Pack

CON/N0504: Carry out varnishing and polishing of doors, windows partitions and other wooden surfaces under supervision

Description

This unit describes the skills and knowledge required to carry out varnishing and polishing of doors, windows partitions and other wooden surfaces under supervision

Scope

The scope covers the following :

- Carry out preparation of base surfaces prior to varnishing and polishing
- Carry out preparation of paint mix using various constituents as per instructions
- Apply varnish and polish on various wooden surfaces

Elements and Performance Criteria

Carry out preparation of base surfaces prior to varnishing and polishing

To be competent, the user/individual on the job must be able to:

- PC1.** remove all loose & detrimental foreign matter by using appropriate tools
- PC2.** brush bleaching agents on wood surface to restore natural color as per instruction
- PC3.** fill gaps/depressions with appropriate wood filler
- PC4.** smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders
- PC5.** cover all adjacent surfaces with drop cloths/ masking tape/paper and remove all removable items/accessories prior to varnishing and polishing

Carry out preparation of paint mix using various constituents as per instructions

To be competent, the user/individual on the job must be able to:

- PC6.** select appropriate finishing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification/instructions
- PC7.** mix the correct amount of paint material with additives as per specified ratio under supervision
- PC8.** follow standard procedure for effective mixing and dilution of paints
- PC9.** add reducer/thinner/ water to adjust viscosity of paint mix as per requirement/instruction

Apply varnish and polish on various wooden surfaces

To be competent, the user/individual on the job must be able to:

- PC10.** apply a primer coat to the wood surface as per instruction
- PC11.** apply paint /varnish coat of specified thickness after the primer has dried for specified time under close supervision
- PC12.** carry out sanding of the surface using appropriate tools as per instructions under supervision
apply coat of putty/wood filler wood and sand the applied coat as per instructions
- PC13.** apply finished coats to produce smooth surfaces of uniform thickness as per instructions under supervision



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- PC14.** apply toners, highlights, glazes or shades ,lacquers and sealers as per instructions under supervision

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices of painting works
- KU2.** safety rules and regulation for handling and storing required painting tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipment
- KU4.** how to request tools and materials as per set procedures
- KU5.** maintenance of tools and equipment
- KU6.** standard practices for painting process
- KU7.** basic measurements
- KU8.** basic sketches /specifications related to painting works
- KU9.** how to select and use appropriate tools and equipment
- KU10.** various tools and equipment used in painting such as brushes, rollers ,painting bucket, stirrers, scrapers ,sand papers, putty blades etc.
- KU11.** various painting and finishing material and mixing ingredients such as scrape, primer, base color, tint base, colorants, varnishes, enamel, etc.
- KU12.** methods of protecting adjacent surfaces prior to painting
- KU13.** how to mix the correct amount of paint material as per specified ratio
- KU14.** how to adjust viscosity of paint mix as per requirement
- KU15.** different reducers/thinners used for adjusting viscosity
- KU16.** application of primer as per requirement
- KU17.** adhesives used for binding coats of paint such as oil, turpentine, mildew remover, or other preparations, and sand rough spots
- KU18.** surface preparation methods
- KU19.** putty and its use in surface preparation
- KU20.** importance of applying bleaching agents on wood surface
- KU21.** application of finishes, varnishes, putty, primer, sealants, toners, etc.

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in one or more language, preferably in the local language of the site
- GS2.** read one or more language, preferably the local language of the site
- GS3.** read instructions, guidelines, sign boards, safety rules & safety tags
- GS4.** read instructions and exit routes during emergency
- GS5.** speak in one or more language, preferably in one of the local language of the site
- GS6.** listen and follow instructions communicated by supervisors



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- GS7.** orally and effectively communicate with team member
- GS8.** plan self-work as per the direction under close supervision of a superior
- GS9.** ensure that all work is done as per instructions provided by superiors
- GS10.** identify location at which violation of any safety norms may lead to accidents



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out preparation of base surfaces prior to varnishing and polishing</i>	9	21	-	-
PC1. remove all loose & detrimental foreign matter by using appropriate tools	-	-	-	-
PC2. brush bleaching agents on wood surface to restore natural color as per instruction	-	-	-	-
PC3. fill gaps/depressions with appropriate wood filler	-	-	-	-
PC4. smooth, shape, and touch-up surface using sandpaper, pumice stones, steel wool, chisels, sanders, or grinders	-	-	-	-
PC5. cover all adjacent surfaces with drop cloths/ masking tape/paper and remove all removable items/accessories prior to varnishing and polishing	-	-	-	-
<i>Carry out preparation of paint mix using various constituents as per instructions</i>	9	21	-	-
PC6. select appropriate finishing ingredients such as paint, stain, lacquer, shellac, or varnish as per specification/instructions	-	-	-	-
PC7. mix the correct amount of paint material with additives as per specified ratio under supervision	-	-	-	-
PC8. follow standard procedure for effective mixing and dilution of paints	-	-	-	-
PC9. add reducer/thinner/ water to adjust viscosity of paint mix as per requirement/instruction	-	-	-	-
<i>Apply varnish and polish on various wooden surfaces</i>	12	28	-	-
PC10. apply a primer coat to the wood surface as per instruction	-	-	-	-
PC11. apply paint /varnish coat of specified thickness after the primer has dried for specified time under close supervision	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. carry out sanding of the surface using appropriate tools as per instructions under supervision apply coat of putty/wood filler wood and sand the applied coat as per instructions	-	-	-	-
PC13. apply finished coats to produce smooth surfaces of uniform thickness as per instructions under supervision	-	-	-	-
PC14. apply toners, highlights, glazes or shades ,lacquers and sealers as per instructions under supervision	-	-	-	-
NOS Total	30	70	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	CON/N0504
NOS Name	Carry out varnishing and polishing of doors, windows partitions and other wooden surfaces under supervision
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Construction Painting
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	NA
Next Review Date	NA
NSQC Clearance Date	

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3. Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on assessment criteria.
5. The passing percentage for each QP will be 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6. The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.



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7. The trainee shall be provided with a chance to repeat the test to correct his procedures in case of improper performance, with a deduction of marks for each iteration.
8. After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10. Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

Minimum Aggregate Passing % at QP Level : 50

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N0502.Carry out preparation of all type of basic surfaces for painting works	30	70	-	-	100	25
CON/N0101.Erect and dismantle temporary scaffold up to 3.6 meter height	30	70	-	-	100	10
CON/N0503.Apply paints to masonry, metal and wood surfaces for obtaining plain finishes	30	70	-	-	100	35
CON/N8001.Work effectively in a team to deliver desired results at the workplace	30	70	-	-	100	10
CON/N9001.Work according to personal health, safety and environment protocol at construction site	30	70	-	-	100	20



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National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
Total	150	350	-	-	500	100

Optional: 1 Varnishing and polishing

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N0504.Carry out varnishing and polishing of doors, windows partitions and other wooden surfaces under supervision	30	70	-	-	100	25
Total	30	70	-	-	100	25



Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training



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Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.



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Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.