



# Assistant Paint Inspector

QP Code: CON/Q0407

Version: 1.0

NSQF Level: 5

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### CON/Q0407: Assistant Paint Inspector

#### Brief Job Description

This job role is responsible for carrying out painting inspection and tests for surface preparation and paint application to masonry, wood and fabricated steel surfaces. The individual should possess sound technical knowledge, should be able to monitor and maintain safe and quality working practices

#### Personal Attributes

This job role requires the individual to be physically and mentally strong enough to oversee the quality control work at a construction site. The individual should be having strong organizational, interpersonal and communication skills, along with comprehensive technical knowledge of quality assurance and quality control operations and ability to supervise construction crew.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [CON/N0414: Carry out checks prior to commencement of painting works](#)
2. [CON/N0415: Carry out checks during painting works](#)
3. [CON/N0416: Carry out checks after completion of painting works](#)
4. [CON/N9002: Manage workplace for safe and healthy work environment](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Quality Assurance & Quality Control
<b>Country</b>	India
<b>NSQF Level</b>	5
<b>Credits</b>	NA
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCOâ€¢2004/3111.10



## Qualification Pack



<b>Minimum Educational Qualification &amp; Experience</b>	10th Class with 10-15 Years of experience in case of a Non trained worker, in same occupation
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	Recommended training period of 16-20 weeks as per QP of Assistant Paint Inspector
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	23/08/2015
<b>Next Review Date</b>	31/03/2022
<b>Deactivation Date</b>	31/03/2022
<b>NSQC Approval Date</b>	19/12/2018
<b>Version</b>	1.0
<b>Reference code on NQR</b>	2019/CON/CSDCI/03113
<b>NQR Version</b>	1.0



# CON/N0414: Carry out checks prior to commencement of painting works

## Description

This unit describes the skills and knowledge required to carry out checks prior to commencement of painting works

## Scope

The scope covers the following:

- Carry out checks for preparation of masonry, metallic and wooden surfaces as per specifications and set standards
- Carry out checks for preparation of various paints and related painting materials, tools and equipments as per specifications and set standards

## Elements and Performance Criteria

*Carry out checks for preparation of masonry, metallic and wooden surfaces as per specifications and set standards*

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

- PC1.** read and understand all specification provided in the relevant drawing for painting and decorating works
- PC2.** read and understand manuals, standard technical specification within scope of work
- PC3.** check ambient conditions like air temperature, relative humidity, dew point etc
- PC4.** check that tools and equipment are cleaned, maintained and stored in accordance with manufacturers specifications and worksite requirements
- PC5.** perform visual checks for safe condition of access and sufficient work space for painting works
- PC6.** check that masonry surface receiving paint is cleaned, sanded prepared as per specification prior to painting
- PC7.** check that putty is applied evenly on the base surface prior to painting works on masonry surfaces
- PC8.** check that corners and crevices are evenly prepared and covered with putty prior to application of paint
- PC9.** check that the thickness of putty is as per shop drawing
- PC10.** check that wooden surface is prepared appropriately as per standards and procedures
- PC11.** check surface contaminant from fabricated surfaces are removed
- PC12.** check that fabricated steel structures/metallic surfaces are prepared in accordance with set standards and procedures
- PC13.** check that no any flux, spatter and surface defects are present on welded pieces prior to painting
- PC14.** inspect evenness of the prepared surface prior to application of paint
- PC15.** mark areas of defect and report to concerned superiors



## Qualification Pack



*Carry out checks for preparation of various paints and related painting materials, tools and equipments as per specifications and set standards*

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

- PC23.** check that spray paint equipment is set up as per set procedures and correct fluid tip, air cap, hoses, filters and tips are fixed appropriately
- PC24.** check that chemicals, coatings, or paints is weighed before loading to machines
- PC25.** check that parts such as rollers, guides, brushes, and blades are attached and aligned using hand tool , if required
- PC26.** check that spray paint machine is operated at appropriate temperature, air pressure and circulation
- PC27.** check that nozzles, containers and hoses of machines are cleaned after usage
- PC28.** mark areas of defect and report to concerned superiors
- PC16.** check for shelf life of primer, putty, paint and other painting ingredients before usage
- PC17.** check that all material is new and disallow containers having broken seal
- PC18.** checks the viscosity of paint as per specification using appropriate tools
- PC19.** check that approved quantity of thinner is added to paint mix
- PC20.** check that approved colors and colorants are used for paint mix
- PC21.** inspect that paint is mixed as per approved colour shade and viscosity
- PC22.** check that tools and equipment are cleaned, maintained and stored in accordance with manufacturers specifications and worksite requirements

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices for quality assurance and quality control works
- KU2.** safety rules and regulations for handling and storing required tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipments
- KU4.** service request procedures for tools, materials and equipments
- KU5.** statutory compliance requirement related to working at height
- KU6.** statutory compliance requirement related to workmen engagement
- KU7.** simple technical drawings & applicable principles
- KU8.** principle of measurement, geometry and arithmetic
- KU9.** how to read and interpret architectural drawing relevant to task
- KU10.** manuals and specifications relevant to task
- KU11.** basic principal of measurement, arithmetic and geometric calculations
- KU12.** technical specifications, standards relevant to work
- KU13.** terminology used in painting and decorating works
- KU14.** appropriate proportions for mixing painting materials
- KU15.** appropriate techniques for all aspects of painting works
- KU16.** methods of surface preparation for painting works
- KU17.** various type of paint finishes and the appropriateness / suitability for a specific structure



## Qualification Pack



- KU18.** equipment, materials and tools used in construction
- KU19.** set up and operate of spray machine along with appropriate safety
- KU20.** how to select and fix correct fluid tip, air cap, hoses, filters and tips on the spray painting machine
- KU21.** how to set up spray paint machine with appropriate paint / coat material like silver, copper etc
- KU22.** how to attach and align machine parts such as rollers, guides, brushes, blades, hoppers, reservoirs, troughs, or pansdials, handwheels, valves, or switches, etc
- KU23.** operate spray paint machine maintaining uniformity in overlap and finish

### Generic Skills (GS)

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

- GS1.** write in at least two language, preferably in the local language of the site and basic English
- GS2.** provide clear and simple instructions, details & sketches to sub-ordinate
- GS3.** record and document daily productivity report, daily labour attendance & details regarding work
- GS4.** prepare basic status updates for the superiors in the prescribed format
- GS5.** read one or more language, preferably in the local language of the site and basic English
- GS6.** read drawing, specification and standards related to relevant work
- GS7.** read key documents including quality standards, standards working methods & applicable tolerance limits
- GS8.** read various, sign boards, safety rules and safety tags , instructions related to exit routes during emergency at the workplace
- GS9.** speak in one or more language, preferably in one of the local language of the site and basic English
- GS10.** listen and follow instructions clearly given by the superior
- GS11.** provide clear instructions to subordinates for completion of task as per work plan, time schedule and quality
- GS12.** estimate required material and resources for work
- GS13.** decide alternate course of action in case of hindrance to work
- GS14.** determine whether tools are cleaned, maintained and stored as per manufacturers instructions
- GS15.** determine whether surface has been suitably prepared for paint application
- GS16.** determine appropriateness of primer, putty, paint, etc. prior to usage
- GS17.** determine whether equipment is set up and used as per standard procedure
- GS18.** plan work & organize required resource in coordination with team members and superior
- GS19.** plan work targets, allocate time schedule to sub-ordinates and organize completion of task within allocated time
- GS20.** ensure completion of work as per agreed time schedule and quality
- GS21.** resolve and solve any conflict within the team
- GS22.** check for defects on the surface and report to superiors



## Qualification Pack



- GS23.** assess quantity of materials for day work
- GS24.** optimize resources
- GS25.** minimize wastages
- GS26.** assess complexity of the tasks and provide guidance for carrying out corrective action as per requirement
- GS27.** evaluate the suitability of putty application including uniformity, thickness, etc.
- GS28.** assess complexity of the tasks and provide guidance for carrying out corrective action as per requirement
- GS29.** identify and assess how violation of any safety norms may lead to accidents
- GS30.** assess whether paint complies with the approved colour and viscosity





## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out checks for preparation of masonry, metallic and wooden surfaces as per specifications and set standards</i>	<b>22.5</b>	<b>32.5</b>	-	-
<b>PC1.</b> read and understand all specification provided in the relevant drawing for painting and decorating works	1.5	2.5	-	-
<b>PC2.</b> read and understand manuals, standard technical specification within scope of work	1.5	2.5	-	-
<b>PC3.</b> check ambient conditions like air temperature, relative humidity, dew point etc	1.5	1.5	-	-
<b>PC4.</b> check that tools and equipment are cleaned, maintained and stored in accordance with manufacturers specifications and worksite requirements	1.5	1.5	-	-
<b>PC5.</b> perform visual checks for safe condition of access and sufficient work space for painting works	1.5	2.5	-	-
<b>PC6.</b> check that masonry surface receiving paint is cleaned, sanded prepared as per specification prior to painting	1.5	2.5	-	-
<b>PC7.</b> check that putty is applied evenly on the base surface prior to painting works on masonry surfaces	1.5	2.5	-	-
<b>PC8.</b> check that corners and crevices are evenly prepared and covered with putty prior to application of paint	1.5	2.5	-	-
<b>PC9.</b> check that the thickness of putty is as per shop drawing	1.5	2.5	-	-
<b>PC10.</b> check that wooden surface is prepared appropriately as per standards and procedures	1.5	1.5	-	-
<b>PC11.</b> check surface contaminant from fabricated surfaces are removed	1.5	1.5	-	-



## Qualification Pack



Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> check that fabricated steel structures/metallic surfaces are prepared in accordance with set standards and procedures	1.5	2.5	-	-
<b>PC13.</b> check that no any flux, spatter and surface defects are present on welded pieces prior to painting	1.5	2.5	-	-
<b>PC14.</b> inspect evenness of the prepared surface prior to application of paint	1.5	2.5	-	-
<b>PC15.</b> mark areas of defect and report to concerned superiors	1.5	1.5	-	-
<i>Carry out checks for preparation of various paints and related painting materials, tools and equipments as per specifications and set standards</i>	<b>17.5</b>	<b>27.5</b>	-	-
<b>PC23.</b> check that spray paint equipment is set up as per set procedures and correct fluid tip, air cap, hoses, filters and tips are fixed appropriately	1.5	2.5	-	-
<b>PC24.</b> check that chemicals, coatings, or paints is weighed before loading to machines	1	2	-	-
<b>PC25.</b> check that parts such as rollers, guides, brushes, and blades are attached and aligned using hand tool , if required	1.5	2.5	-	-
<b>PC26.</b> check that spray paint machine is operated at appropriate temperature, air pressure and circulation	1.5	2.5	-	-
<b>PC27.</b> check that nozzles, containers and hoses of machines are cleaned after usage	1.5	2.5	-	-
<b>PC28.</b> mark areas of defect and report to concerned superiors	1.5	2.5	-	-
<b>PC16.</b> check for shelf life of primer, putty, paint and other painting ingredients before usage	1.5	1.5	-	-
<b>PC17.</b> check that all material is new and disallow containers having broken seal	1.5	1.5	-	-
<b>PC18.</b> checks the viscosity of paint as per specification using appropriate tools	1	2	-	-



## Qualification Pack



Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC19.</b> check that approved quantity of thinner is added to paint mix	1	2	-	-
<b>PC20.</b> check that approved colors and colorants are used for paint mix	1	2	-	-
<b>PC21.</b> inspect that paint is mixed as per approved colour shape and viscosity	1.5	2.5	-	-
<b>PC22.</b> check that tools and equipment are cleaned, maintained and stored in accordance with manufacturers specifications and worksite requirements	1.5	1.5	-	-
<b>NOS Total</b>	<b>40</b>	<b>60</b>	-	-



## Qualification Pack



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0414
<b>NOS Name</b>	Carry out checks prior to commencement of painting works
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Quality Assurance & Quality Control
<b>NSQF Level</b>	5
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	23/08/2015
<b>Next Review Date</b>	31/03/2022
<b>NSQC Clearance Date</b>	19/12/2018



### CON/N0415: Carry out checks during painting works

#### Description

This unit describes the skills and knowledge required to carry out checks during painting works

#### Scope

The scope covers the following:

- Inspect compliance of painting works as per approved specification during application of paint

#### Elements and Performance Criteria

*Inspect compliance of painting works as per approved specification during application of paint*

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

- PC1.** check the consistency of paint prior to application
- PC2.** check that specified amount of thinner or additive is used in the paint as per specification
- PC3.** inspect the application of primer on prepared surface
- PC4.** check elapsing of proper drying time prior to application of paint coat
- PC5.** check various paint coats are as per the shop drawings / sketches for the desired level of finishing / decoration
- PC6.** check coat of uniform thickness are applied while painting
- PC7.** check that specified time is elapsed prior to application of subsequent course in multi coat system
- PC8.** check proper positioning of stencil on required surface to produce desired patterns
- PC9.** check that various decorative paint finishes are applied as per specification
- PC10.** period of time elapsed since application of previous coat in multi coat systems
- PC11.** check application of paints and varnish on wooden surfaces as per specifications
- PC12.** check application of overlapping technique and maintenance of specified distance for spray painting operations
- PC13.** check for proper coverage of paint at corners and crevices
- PC14.** record the start time and finish time
- PC15.** measure the wet film thickness of paint film using specified gauges
- PC16.** mark areas of defect and report to concerned superiors

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices for quality assurance and quality control works
- KU2.** safety rules and regulations for handling and storing required tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipments
- KU4.** service request procedures for tools, materials and equipments



## Qualification Pack



- KU5.** statutory compliance requirement related to working at height
- KU6.** statutory compliance requirement related to workmen engagement
- KU7.** simple technical drawings & applicable principles
- KU8.** principle of measurement, geometry and arithmetic
- KU9.** how to read and interpret architectural drawing relevant to task
- KU10.** manuals and specifications relevant to task
- KU11.** basic principal of measurement, arithmetic and geometric calculations
- KU12.** technical specifications, standards relevant to work
- KU13.** terminology used in painting and decorating works
- KU14.** appropriate proportions for mixing painting materials
- KU15.** appropriate techniques for all aspects of painting works
- KU16.** power tools and hand tools for cleaning of surfaces
- KU17.** methods of surface preparation for painting works
- KU18.** tools to checks viscosity of paint
- KU19.** various type of paint finishes and the appropriateness / suitability for a specific structure
- KU20.** various tools used for testing of paint works such as surface temperature thermometer, conductivity meter, depth micro meter, hypodermic needle pressure gauge,
- KU21.** blast nozzle orifice gage
- KU22.** wet fil thickness gauge
- KU23.** dry film thickness gauge
- KU24.** paint thermometer

### Generic Skills (GS)

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

- GS1.** write in at least two language, preferably in the local language of the site and basic English
- GS2.** provide clear and simple instructions, details & sketches to sub-ordinate
- GS3.** record and document daily productivity report, daily labour attendance & details regarding work
- GS4.** prepare basic status updates for the superiors in the prescribed format
- GS5.** read one or more language, preferably in the local language of the site and basic English
- GS6.** read drawing, specification and standards related to relevant work
- GS7.** read key documents including quality standards, standards working methods & applicable tolerance limits
- GS8.** read various, sign boards, safety rules and safety tags , instructions related to exit routes during emergency at the workplace
- GS9.** speak in one or more language, preferably in one of the local language of the site and basic English
- GS10.** listen and follow instructions clearly given by the superior
- GS11.** provide clear instructions to subordinates for completion of task as per work plan, time schedule and quality



## Qualification Pack



- GS12.** estimate required material and resources for work
- GS13.** decide alternate course of action in case of hindrance to work
- GS14.** determine suitability of paint prior to application, including consistency, thinner / additive content, etc.
- GS15.** determine whether the paint coats comply with the shop drawings / sketches
- GS16.** determine suitability of decorative paint works, as per proper positioning of stencils
- GS17.** plan work & organize required resource in coordination with team members and superior
- GS18.** plan work targets, allocate time schedule to sub-ordinates and organize completion of task within allocated time
- GS19.** ensure completion of work as per agreed time schedule and quality
- GS20.** resolve and solve any conflict within the team
- GS21.** check for defects on the surface and report to superiors
- GS22.** check for complete coverage of the surface with paint as per requirements
- GS23.** assess quantity of materials for day work
- GS24.** optimize resources
- GS25.** minimize wastages
- GS26.** assess and evaluate whether paint applied is of the required thickness
- GS27.** assess complexity of the tasks and provide guidance for carrying out corrective action as per requirement
- GS28.** identify and assess how violation of any safety norms may lead to accidents



## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Inspect compliance of painting works as per approved specification during application of paint</i>	<b>40</b>	<b>60</b>	-	-
<b>PC1.</b> check the consistency of paint prior to application	2.5	3.5	-	-
<b>PC2.</b> check that specified amount of thinner or additive is used in the paint as per specification	2.5	3.5	-	-
<b>PC3.</b> inspect the application of primer on prepared surface	2.5	4.5	-	-
<b>PC4.</b> check elapsing of proper drying time prior to application of paint coat	2.5	3.5	-	-
<b>PC5.</b> check various paint coats are as per the shop drawings / sketches for the desired level of finishing / decoration	2.5	3.5	-	-
<b>PC6.</b> check coat of uniform thickness are applied while painting	2.5	3.5	-	-
<b>PC7.</b> check that specified time is elapsed prior to application of subsequent course in multi coat system	2.5	3.5	-	-
<b>PC8.</b> check proper positioning of stencil on required surface to produce desired patterns	2.5	4.5	-	-
<b>PC9.</b> check that various decorative paint finishes are applied as per specification	2.5	3.5	-	-
<b>PC10.</b> period of time elapsed since application of previous coat in multi coat systems	2.5	4.5	-	-
<b>PC11.</b> check application of paints and varnish on wooden surfaces as per specifications	2.5	3.5	-	-
<b>PC12.</b> check application of overlapping technique and maintenance of specified distance for spray painting operations	2.5	4.5	-	-
<b>PC13.</b> check for proper coverage of paint at corners and crevices	2.5	3.5	-	-
<b>PC14.</b> record the start time and finish time	2.5	3.5	-	-





## Qualification Pack



Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC15.</b> measure the wet film thickness of paint film using specified gauges	2.5	3.5	-	-
<b>PC16.</b> mark areas of defect and report to concerned superiors	2.5	3.5	-	-
<b>NOS Total</b>	<b>40</b>	<b>60</b>	-	-



## Qualification Pack



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0415
<b>NOS Name</b>	Carry out checks during painting works
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Quality Assurance & Quality Control
<b>NSQF Level</b>	5
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	23/08/2015
<b>Next Review Date</b>	31/03/2022
<b>NSQC Clearance Date</b>	19/12/2018



## CON/N0416: Carry out checks after completion of painting works

### Description

This unit describes the skills and knowledge required to carry out checks after completion of painting works

### Scope

The scope covers the following:

- Check for defects and compliance to paint specification after completion of painting works

### Elements and Performance Criteria

#### *Check for defects and compliance to paint specification after completion of painting works*

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

- PC1.** measure dry film thickness (DFT) for painting works
- PC2.** check for evenness of paint in well-lit condition
- PC3.** check the opacity of paint film
- PC4.** carry out NDT testing of painted surface using various gauges and
- PC5.** check the painted surface thoroughly for defects
- PC6.** diagnose the painting problem and point out defects such as orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds, runs, fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters & shrinkage
- PC7.** mark areas of defect and report to concerned superiors

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard practices for quality assurance and quality control works
- KU2.** safety rules and regulations for handling and storing required tools, equipment and materials
- KU3.** personal protection including the use of related safety gears & equipments
- KU4.** service request procedures for tools, materials and equipments
- KU5.** statutory compliance requirement related to working at height
- KU6.** statutory compliance requirement related to workmen engagement
- KU7.** how to select and use various tools used for testing of paint works such as surface temperature thermometer conductivity meter depth micro meter hypodermic needle pressure gauge blast nozzle orifice gage wet film thickness gauge dry film thickness gauge paint thermometer

### Generic Skills (GS)

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



## Qualification Pack



- GS1.** write in at least two language, preferably in the local language of the site and basic English
- GS2.** provide clear and simple instructions, details & sketches to sub-ordinate
- GS3.** record and document daily productivity report, daily labour attendance & details regarding work
- GS4.** prepare basic status updates for the superiors in the prescribed format
- GS5.** read one or more language, preferably in the local language of the site and basic English
- GS6.** read drawing, specification and standards related to relevant work
- GS7.** read key documents including quality standards, standards working methods & applicable tolerance limits
- GS8.** read various, sign boards, safety rules and safety tags , instructions related to exit routes during emergency at the workplace
- GS9.** speak in one or more language, preferably in one of the local language of the site and basic English
- GS10.** listen and follow instructions clearly given by the superior
- GS11.** provide clear instructions to subordinates for completion of task as per work plan, time schedule and quality
- GS12.** estimate required material and resources for work
- GS13.** decide alternate course of action in case of hindrance to work
- GS14.** determine suitability of painting works after carrying out the necessary NDT testing
- GS15.** plan work & organize required resource in coordination with team members and superior
- GS16.** plan work targets, allocate time schedule to sub-ordinates and organize completion of task within allocated time
- GS17.** ensure completion of work as per agreed time schedule and quality
- GS18.** resolve and solve any conflict within the team
- GS19.** evaluate and determine whether there are any defects on the paint surface and report on the same
- GS20.** diagnose the problem in painting works by identifying the specific problem
- GS21.** assess quantity of materials for day work
- GS22.** optimize resources
- GS23.** minimize wastages
- GS24.** analyze and evaluate the opacity of paint film
- GS25.** assess complexity of the tasks and provide guidance for carrying out corrective action as per requirement
- GS26.** identify and assess how violation of any safety norms may lead to accidents
- GS27.** assess and evaluate evenness of paint in well-lit conditions



## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Check for defects and compliance to paint specification after completion of painting works</i>	<b>40</b>	<b>60</b>	-	-
<b>PC1.</b> measure dry film thickness (DFT)for painting works	5.5	8.5	-	-
<b>PC2.</b> check for evenness of paint in well-lit condition	5.5	8.5	-	-
<b>PC3.</b> check the opacity of paint film	5.5	8.5	-	-
<b>PC4.</b> carry out NDT testing of painted surface using various gauges and	6.5	8.5	-	-
<b>PC5.</b> check the painted surface thoroughly for defects	5.5	8.5	-	-
<b>PC6.</b> diagnose the painting problem and point out defects such as orange peel, blushing, fade, spotting and water marks, discoloration, chalking, cracks, seeds ,runs, fish eyes (beads), blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters & shrinkage	5.5	8.5	-	-
<b>PC7.</b> mark areas of defect and report to concerned superiors	6	9	-	-
<b>NOS Total</b>	<b>40</b>	<b>60</b>	-	-



## Qualification Pack



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0416
<b>NOS Name</b>	Carry out checks after completion of painting works
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Quality Assurance & Quality Control
<b>NSQF Level</b>	5
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	23/08/2015
<b>Next Review Date</b>	31/03/2022
<b>NSQC Clearance Date</b>	19/12/2018



# CON/N9002: Manage workplace for safe and healthy work environment

## Description

This unit describes the skill and knowledge required to maintain a healthy & safe working environment for the group of people working under an individual

## Scope

This unit/task covers the following:

- Ensure healthy and safe working environment for subordinates.
- Ensure effective implementation of health, safety and environment policies and procedures
- Identify and respond to risks / fire and emergencies associated with the work practices, workplace and ensure related organizational & statutory requirement as followed

## Elements and Performance Criteria

### *Ensure healthy and safe working environment for subordinates*

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

- PC1.** ensure proper housekeeping at workplace
- PC2.** implement safe handling , stacking methods at workplace / store
- PC3.** ensure that health and safety plan is followed by all subordinates
- PC4.** Identify any hazard in workplace and notify them to appropriate authority
- PC5.** ensure that all safety and protection installation are correctly placed & adequate
- PC6.** ensure safe access is available at work place for movement of workers & materials
- PC7.** ensure safe use of tools and tackles by the workmen as per applicability
- PC8.** ensure appropriate use of following Personal Protective Equipment (PPE) as per applicability: Head Protection (Helmets Ear Protection Fall Protection Foot Protection Face and Eye Protection, Hand &Body Protection Respiratory Protection
- PC9.** maintain entrances & exit from confined spaces , excavated pits and other location in concurrence with safety parameters or instruction from safety personals

### *Identify and respond to risks / fire and emergencies associated with the work practices, workplace and ensure related organizational & statutory requirement as followed*

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

- PC10.** ensure organizational policies and procedures are followed for health , safety and welfare, in relation to: methods of receiving or sourcing information dealing with accidents and emergencies associated with the work and environment reporting stooping work evacuation fire risks and safe exit procedures
- PC11.** follow procedures for accident recording and reporting as per organizational and statutory requirements
- PC12.** ensure effective adherence to response to emergency procedures /protocols
- PC13.** report any case of emergency / risks to the concern people at the construction site
- PC14.** report any perceived risk hazards to the superiors / concerned EHS
- PC15.** demonstrate the use of fire protection equipments for different type of fire hazard



**PC16.** implement control measures to reduce risk & meet legal requirement as per organizational policies

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the policies, procedures and protocol set up by the EHS Department With respect to Health , Safety and Environment at the respective construction site
- KU2.** reporting procedures in cases of breaches or hazards in site safety, accidents or emergency situations
- KU3.** safe working practices for tools, tackles and equipment
- KU4.** workplace policies and health and safety requirements for dealing with potential risks as defined by the EHS department
- KU5.** how to respond to accidents & emergencies
- KU6.** the appropriate personal protective equipment to be used based on various working conditions
- KU7.** how to use necessary material ,tools, tackles and equipment in a safe and appropriate manner as specified by site EHS for each level and respective workman gang
- KU8.** monitoring working in workplace keeping safety & health in mind

### Generic Skills (GS)

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

- GS1.** write in one or more language
- GS2.** read in one or more language
- GS3.** read instructions, rules, guidelines, sign boards related to safety as per the requirements
- GS4.** speak in one or more language, preferably one of the local language at the site
- GS5.** listen and follow instructions shared by site EHS and superiors regarding site safety
- GS6.** communicate reporting of site conditions, hazards, accidents, etc.
- GS7.** decide upon the appropriate application & installation of safety equipments like barricades and nets
- GS8.** decide upon the tools box talks contents
- GS9.** identify any hazards in workplace organize safety equipments prior to commencing work
- GS10.** work to ensure safe and healthy environmental conditions at workplace
- GS11.** identify analysis & report hazards, accidents, health and safety risks, etc. or seek help from the appropriate authorities to address the same as per the guidelines laid down by site EHS
- GS12.** analyze areas of work which are potential safety hazards and could result in damage to life or property for the respective gang at the construction site
- GS13.** respond to critical health risks or accidents on an urgent basis through appropriate actions





## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Ensure healthy and safe working environment for subordinates</i>	<b>20</b>	<b>30</b>	-	-
<b>PC1.</b> ensure proper housekeeping at workplace	2	3	-	-
<b>PC2.</b> implement safe handling , stacking methods at workplace / store	2	3	-	-
<b>PC3.</b> ensure that health and safety plan is followed by all subordinates	2	3	-	-
<b>PC4.</b> Identify any hazard in workplace and notify them to appropriate authority	2	3	-	-
<b>PC5.</b> ensure that all safety and protection installation are correctly placed & adequate	2	3	-	-
<b>PC6.</b> ensure safe access is available at work place for movement of workers & materials	2	3	-	-
<b>PC7.</b> ensure safe use of tools and tackles by the workmen as per applicability	4	6	-	-
<b>PC8.</b> ensure appropriate use of following Personal Protective Equipment (PPE) as per applicability: Head Protection (Helmets Ear Protection Fall Protection Foot Protection Face and Eye Protection, Hand &Body Protection Respiratory Protection	2	3	-	-
<b>PC9.</b> maintain entrances & exit from confined spaces , excavated pits and other location in concurrence with safety parameters or instruction form safety personals	2	3	-	-
<i>Identify and respond to risks / fire and emergencies associated with the work practices, workplace and ensure related organizational &amp; statutory requirement as followed</i>	<b>20</b>	<b>30</b>	-	-



## Qualification Pack



Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> ensure organizational policies and procedures are followed for health , safety and welfare, in relation to: methods of receiving or sourcing information dealing with accidents and emergencies associated with the work and environment reporting stooping work evacuation fire risks and safe exit procedures	4	6	-	-
<b>PC11.</b> follow procedures for accident recording and reporting as per organizational and statutory requirements	2	3	-	-
<b>PC12.</b> ensure effective adherence to response to emergency procedures /protocols	3	4.5	-	-
<b>PC13.</b> report any case of emergency / risks to the concern people at the construction site	3	4.5	-	-
<b>PC14.</b> report any perceived risk hazards to the superiors / concerned EHS	3	4.5	-	-
<b>PC15.</b> demonstrate the use of fire protection equipments for different type of fire hazard	3	4.5	-	-
<b>PC16.</b> implement control measures to reduce risk & meet legal requirement as per organizational policies	2	3	-	-
<b>NOS Total</b>	<b>40</b>	<b>60</b>	-	-



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N9002
<b>NOS Name</b>	Manage workplace for safe and healthy work environment
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Generic
<b>Occupation</b>	Generic
<b>NSQF Level</b>	5
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	23/03/2015
<b>Next Review Date</b>	31/03/2022
<b>NSQC Clearance Date</b>	19/05/2015

### 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) (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 theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
5. In case of successfully passing only certain number of NOSs, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.
6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

#### Minimum Aggregate Passing % at QP Level : 70



## Qualification Pack



**(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/N0414.Carry out checks prior to commencement of painting works	40	60	-	-	100	25
CON/N0415.Carry out checks during painting works	40	60	-	-	100	25
CON/N0416.Carry out checks after completion of painting works	40	60	-	-	100	25
CON/N9002.Manage workplace for safe and healthy work environment	40	60	-	-	100	25
<b>Total</b>	<b>160</b>	<b>240</b>	<b>-</b>	<b>-</b>	<b>400</b>	<b>100</b>



## Qualification Pack



### Acronyms

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



## Qualification Pack



### Glossary

<b>Sector</b>	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.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	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.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	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.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	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.
<b>Scope</b>	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.
<b>Knowledge and Understanding (KU)</b>	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.



## Qualification Pack



<b>Organisational Context</b>	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.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	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.
<b>Electives</b>	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.
<b>Options</b>	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.