



Qualification Pack



Fabricator

QP Code: CON/Q1206

Version: 5.0

NSQF Level: 4

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CON/Q1206: Fabricator

Brief Job Description

The fabricator is responsible for conducting various activities such as surface cleaning, edge/ joint preparation, and connection of the components/ steel sections, etc., as well as carrying out the erection of these assemblies.

Personal Attributes

The fabricator is expected to be physically fit to work across various locations with varied environmental conditions. The individual should preferably not be suffering from any respiratory disorder, vision defects, and skin allergies. The person should be organized, diligent, methodical, safety-conscious, and a prompt decision-maker. In addition to being a team player, the individual should have good communication skills.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [CON/N1210: Inspect the fabrication materials and conduct their surface cleaning](#)
2. [CON/N1211: Conduct joint preparation, connection activities and repair work in fabricated assemblies](#)
3. [CON/N0717: Erect structural steel assemblies at construction sites](#)
4. [CON/N9001: Work according to personal health, safety and environment protocols at construction site](#)
5. [CON/N8001: Work effectively in a team to deliver desired results at the workplace](#)
6. [CON/N8002: Plan and organize work to meet expected outcomes](#)
7. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

Qualification Pack (QP) Parameters

Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Fabrication
Country	India



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NSQF Level	4
Credits	15
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7213.0200
Minimum Educational Qualification & Experience	<p>12th grade Pass OR Completed 2nd year of the 3-year diploma after 10 (in Civil / Mechanical Engineering) OR 11th grade pass with 1 Year of experience Relevant Experience OR 10th grade pass with 2 Years of experience Relevant Experience OR 8th grade pass with 4 Years of experience Relevant Experience OR Previous relevant Qualification of NSQF Level (Level 3- Assistant Construction Fitter) with 1.5 years of experience Relevant Experience OR Previous relevant Qualification of NSQF Level (Level 3 - Assistant Construction Fitter) with 3 Years of experience Relevant Experience</p>
Minimum Level of Education for Training in School	10th Class
Pre-Requisite License or Training	NIL
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	30/04/2028
NSQF Approval Date	08/05/2025
Version	5.0
Reference code on NQR	QG-04-CO-03956-2025-V2-CSDCI
NQR Version	5.0



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CON/N1210: Inspect the fabrication materials and conduct their surface cleaning

Description

This unit describes the skills and knowledge required to inspect the fabrication materials and conduct their surface cleaning.

Scope

The scope covers the following :

- Inspect the materials required for fabrication work
- Conduct surface cleaning of the sections for fabricating steel structures

Elements and Performance Criteria

Inspect the materials required for fabrication work

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

- PC1.** read and interpret blueprints/ working drawings/shop drawings/ specification details related to the fabrication activities
- PC2.** identify different components/ sections like columns, I-beams, girders, trusses, channels, angles, plates, hollow section and other mild steel (MS) components/ accessories required in the steel fabrication work with respect to the specifications/ drawings
- PC3.** locate the appropriate sections based on sizes, dimensions, and design in the warehouse/ storing yard for further processing which may involve grinding, welding, cutting, bending, drilling, punching, burning or melting
- PC4.** ensure that there are correct identity marks/heat number on the structural sections as per the organizational norms
- PC5.** confirm that quality inspection has been conducted by the quality department for the required materials
- PC6.** ensure the fabrication material has no physical damage like distortion, bending, cracks etc.
- PC7.** ensure that the materials are loaded, shifted and unloaded to the fabrication yard/ workshop safely, following standard practices

Conduct surface cleaning of the sections for fabricating steel structures

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

- PC8.** inspect the surface of the materials/ sections to determine the types of impurities on it
- PC9.** obtain approval for employing different methods of surface cleaning from the concerned authority
- PC10.** estimate the quantities of the materials required for the surface cleaning purpose
- PC11.** initiate indent procedures for the required cleaning materials as per the organizational norms
- PC12.** ensure appropriate surface cleaning procedures like heating, chemical cleaning, scrubbing, water jet, abrasion etc. are adopted as per the requirements/ instructions
- PC13.** confirm the compliance of prepared clean surface with technical details or instructions



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Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedures for fabrication work
- KU2.** safety rules and regulations for handling and storing relevant tools, equipment, and materials required for fabrication works
- KU3.** importance of personal protection including the use of related safety gears and equipment in accordance with organizational norms
- KU4.** precautions and measures required in the lifting and movement of heavy components and materials in the fabrication work
- KU5.** service request procedures for tools, materials, and equipment as per organizational norms
- KU6.** how to read and interpret technical details like drawings, specifications, charts, checklists, etc.
- KU7.** concept of heat number, its significance, and use
- KU8.** methods of storing and stacking of sections in stock yard
- KU9.** how to identify distortions and methods of measuring distortion
- KU10.** organizational procedures relating to inspection of incoming materials
- KU11.** different types of superficial damages occurring on the sections
- KU12.** standards practices for the safe loading, shifting, and unloading of materials in the fabrication yard/ workshop
- KU13.** application of different load lifting apparatus/equipment like slings, hooks, belts, chains, cranes, etc. used in fabrication work
- KU14.** different types of impurities attached to the surface of steel sections
- KU15.** different methods of cleaning the surface of the materials, their applications and effects (chemical and physical) on metal
- KU16.** different types of heating equipment, their accessories, range of operation and area of application
- KU17.** different chemicals that are used for cleaning, reactions involved in chemical cleaning, its procedures, and area of application
- KU18.** different instruments used for measuring and marking the dimensions of the components, their area of application, and method of use
- KU19.** safety parameters while working with the equipments employed for abrasion activities

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 and basic English
- GS2.** read drawing/sketches, work, and safety-related instructions/signboards, etc. in one or more languages, preferably in the local language of the site
- GS3.** speak in one or more languages, preferably in one of the local languages of the site
- GS4.** communicate orally and effectively with team members
- GS5.** analyze the safety aspect of the workplace



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- GS6.** plan work to achieve productivity as per the directions of superiors
- GS7.** ensure work is done within time and as per desired quality
- GS8.** resolve any conflict within the teammates
- GS9.** identify violation of any safety norms which may lead to accidents



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Inspect the materials required for fabrication work</i>	6	14	-	-
PC1. read and interpret blueprints/ working drawings/shop drawings/ specification details related to the fabrication activities	-	-	-	-
PC2. identify different components/ sections like columns, I-beams, girders, trusses, channels, angles, plates, hollow section and other mild steel (MS) components/ accessories required in the steel fabrication work with respect to the specifications/ drawings	-	-	-	-
PC3. locate the appropriate sections based on sizes, dimensions, and design in the warehouse/ storing yard for further processing which may involve grinding, welding, cutting, bending, drilling, punching, burning or melting	-	-	-	-
PC4. ensure that there are correct identity marks/heat number on the structural sections as per the organizational norms	-	-	-	-
PC5. confirm that quality inspection has been conducted by the quality department for the required materials	-	-	-	-
PC6. ensure the fabrication material has no physical damage like distortion, bending, cracks etc.	-	-	-	-
PC7. ensure that the materials are loaded, shifted and unloaded to the fabrication yard/ workshop safely, following standard practices	-	-	-	-
<i>Conduct surface cleaning of the sections for fabricating steel structures</i>	24	56	-	-
PC8. inspect the surface of the materials/ sections to determine the types of impurities on it	-	-	-	-
PC9. obtain approval for employing different methods of surface cleaning from the concerned authority	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. estimate the quantities of the materials required for the surface cleaning purpose	-	-	-	-
PC11. initiate indent procedures for the required cleaning materials as per the organizational norms	-	-	-	-
PC12. ensure appropriate surface cleaning procedures like heating, chemical cleaning, scrubbing, water jet, abrasion etc. are adopted as per the requirements/ instructions	-	-	-	-
PC13. confirm the compliance of prepared clean surface with technical details or instructions	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N1210
NOS Name	Inspect the fabrication materials and conduct their surface cleaning
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Fabrication
NSQF Level	4
Credits	2
Version	5.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



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CON/N1211: Conduct joint preparation, connection activities and repair work in fabricated assemblies

Description

This unit describes the skills and knowledge required to conduct fabrication activities like joint preparation, connection, and repair of fabricated assemblies.

Scope

The scope covers the following :

- Conduct edge/ joint preparation and connection activities using welding and bolting methods.
- Conduct repair of fabricated components/ assemblies.

Elements and Performance Criteria

Conduct edge/ joint preparation and connection activities using welding and bolting methods

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

- PC1.** identify the components/sections of the assemblies as per drawings or instructions
- PC2.** estimate the consumables, tools, equipment and manpower required for the edge/ joint preparation
- PC3.** inspect instruments, consumables, tools and equipment visually for their working conditions
- PC4.** customize suitable jigs and fixtures according to workpiece and clamp it to the bed of the platform for the smooth execution of work
- PC5.** perform calculations for computation of dimensions from drawings if required
- PC6.** measure and mark bending/cutting lines, drilling points etc. on the work piece/ sections within tolerance limits as per provided technical details/standard procedures
- PC7.** conduct necessary operations such as bending, cutting, drilling etc. in order to ensure precise orientation, alignments and fittings of the work piece/ section
- PC8.** conduct edge-preparation for the work piece/ section using Punch and Nibble method, Peeling and Shearing Method or Milling and Routing Method as per requirement
- PC9.** ensure that allowance for thickness, shrinkage and root gaps are maintained for the joints as per the standard practice and specifications
- PC10.** conduct connections of joints by weld/ bolt connection methods as per the specifications and drawings
- PC11.** ensure that joints/ connections of the different components of assemblies comply with the specifications and drawings
- PC12.** ensure joints are free of irregularities or impurities before further operations
- PC13.** arrange for inspection of the fabricated assemblies by superiors

Conduct repair of fabricated components/ assemblies

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

- PC14.** inspect the component/ assemblies for distortions/ errors in dimensions or other defects
- PC15.** identify the most suitable method for correcting the defects



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- PC16.** estimate roughly the quantity and type of manpower, materials, consumables, tools, equipment and time required for completing the repair work
- PC17.** obtain approval from superiors for carrying out repairs with estimated resources
- PC18.** conduct the operations like grinding, welding, heating, jacking etc. as per the repair work requirement
- PC19.** recheck the repaired work prior to submitting the same for quality inspections
- PC20.** ensure that the tools and equipment are correctly used, maintained and stored

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedures for fabrication work
- KU2.** safety rules and regulations for handling and storing relevant tools, equipment, and materials required for fabrication works
- KU3.** importance of personal protection including the use of related safety gears & equipment in accordance with organizational norms
- KU4.** service request procedures for tools, materials, and equipment as per organizational norms
- KU5.** specifications related to fabrication work from shop drawing/ cutting plans
- KU6.** different types of sections, plates, materials, etc. used in fabrication
- KU7.** importance of positions, alignments, fittings for joints and connections
- KU8.** basic maintenance of different tools, tackles, and equipment
- KU9.** the sequence of processes involved in joints and connections formation
- KU10.** concept of weld and bolt method of connection
- KU11.** welding terminologies like arc, flux, slag, etc. and their parameters
- KU12.** effects of welding fumes
- KU13.** correct handling and storage of gas cylinders for welding purposes
- KU14.** components of welding gun, and their functions
- KU15.** different types of shielding gases and their uses in different conditions
- KU16.** different positions and patterns of welding and their application
- KU17.** different defects arising in the fabricated section, their causes and effects
- KU18.** the basic concept of operations like grinding, heating, jacking, etc. used in repairing work
- KU19.** the sequence of different activities involved in repairing defects of fabricated components/assemblies

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 and basic English
- GS2.** read drawing/sketches, work, and safety-related instructions/signboards, etc. in one or more languages, preferably in the local language of the site
- GS3.** speak one or more language, preferably the local language at the site



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- GS4.** communicate orally and efficiently with team members
- GS5.** analyze the safety aspect of the workplace
- GS6.** plan work & organize required resource in coordination with team members and superior
- GS7.** perform work as per agreed time schedule and quality
- GS8.** resolve any conflict within the team
- GS9.** identify violation of any safety norms which may lead to accidents



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Conduct edge/ joint preparation and connection activities using welding and bolting methods</i>	18	42	-	-
PC1. identify the components/sections of the assemblies as per drawings or instructions	-	-	-	-
PC2. estimate the consumables, tools, equipment and manpower required for the edge/ joint preparation	-	-	-	-
PC3. inspect instruments, consumables, tools and equipment visually for their working conditions	-	-	-	-
PC4. customize suitable jigs and fixtures according to workpiece and clamp it to the bed of the platform for the smooth execution of work	-	-	-	-
PC5. perform calculations for computation of dimensions from drawings if required	-	-	-	-
PC6. measure and mark bending/cutting lines, drilling points etc. on the work piece/ sections within tolerance limits as per provided technical details/standard procedures	-	-	-	-
PC7. conduct necessary operations such as bending, cutting, drilling etc. in order to ensure precise orientation, alignments and fittings of the work piece/ section	-	-	-	-
PC8. conduct edge-preparation for the work piece/ section using Punch and Nibble method, Peeling and Shearing Method or Milling and Routing Method as per requirement	-	-	-	-
PC9. ensure that allowance for thickness, shrinkage and root gaps are maintained for the joints as per the standard practice and specifications	-	-	-	-
PC10. conduct connections of joints by weld/ bolt connection methods as per the specifications and drawings	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. ensure that joints/ connections of the different components of assemblies comply with the specifications and drawings	-	-	-	-
PC12. ensure joints are free of irregularities or impurities before further operations	-	-	-	-
PC13. arrange for inspection of the fabricated assemblies by superiors	-	-	-	-
<i>Conduct repair of fabricated components/ assemblies</i>	12	28	-	-
PC14. inspect the component/ assemblies for distortions/ errors in dimensions or other defects	-	-	-	-
PC15. identify the most suitable method for correcting the defects	-	-	-	-
PC16. estimate roughly the quantity and type of manpower, materials, consumables, tools, equipment and time required for completing the repair work	-	-	-	-
PC17. obtain approval from superiors for carrying out repairs with estimated resources	-	-	-	-
PC18. conduct the operations like grinding, welding, heating, jacking etc. as per the repair work requirement	-	-	-	-
PC19. recheck the repaired work prior to submitting the same for quality inspections	-	-	-	-
PC20. ensure that the tools and equipment are correctly used, maintained and stored	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N1211
NOS Name	Conduct joint preparation, connection activities and repair work in fabricated assemblies
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Fabrication
NSQF Level	4
Credits	4
Version	5.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



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CON/N0717: Erect structural steel assemblies at construction sites

Description

This unit describes the skills and knowledge required to erect structural steel assemblies at construction sites

Scope

The scope covers the following :

- Prepare for the erection of structural steel assemblies
- Erect structural steel assemblies as per drawing

Elements and Performance Criteria

Prepare for the erection of structural steel assemblies

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

- PC1.** ensure that proper access to the erection site is available to both erection team and load lifting equipment/ machine
- PC2.** ensure that survey marks and reference points are available for the erection work
- PC3.** carry out necessary measurement and marking to ascertain the exact location of erection
- PC4.** ensure the availability of base plates or other level correction provisions are provided at the base of erection as per requirement
- PC5.** check the availability of provisions for bolting, welding, post-tensioning connections as per the drawing
- PC6.** ensure designed bearing area in the platform or support is available for efficient erection of the components
- PC7.** check for hazardous situations at erection site, such as the presence of live electrical cables, absence of proper barricading, excessive wind speed and report it to the concerned authority promptly as per requirement
- PC8.** check availability of all materials and support equipment (identified by the seniors and required to proceed with the work) and report any shortages

Erect structural steel assemblies as per drawing

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

- PC9.** install shoring, bracing and guying materials as directed by the foreman/ supervisor or specified by erection drawings and details considering local conditions
- PC10.** pull, push and hold suspended structural steel assemblies/ components approximately to their exact location by hand or suitable means during lowering of load
- PC11.** communicate efficiently to the signalman or operator for precise movements required to place the object/ assemblies at accurate location
- PC12.** ensure units are guided to their appropriate locations
- PC13.** place the steel assemblies/ components to its accurate location efficiently and make required adjustments as per erection requirement



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- PC14.** ensure proper orientation and alignment of the erected steel assembly/ component by carrying out required measurement and checks using appropriate measuring tools and instruments
- PC15.** check installation of temporary connections using appropriate tools prior to final positioning of precast units/ steel assemblies for their stability
- PC16.** bolt connections to the specified tolerance and torque using appropriate torque wrench wherever required
- PC17.** check bolt tightness in case of units having slotted connections
- PC18.** install special steel washers to ensure that the specified tension has been developed in the bolt
- PC19.** check location of shims, bearing pads for their proper positioning
- PC20.** install expansion bolts using prescribed installation procedures and quality control specifications

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedure for rigging works
- KU2.** safety rules and regulations for handling and storing relevant tools, equipment, and materials for rigging works
- KU3.** importance of personal protection including the use of related safety gears & equipment in accordance with organizational norms
- KU4.** precautions and measures required in the lifting and movement of heavy components and materials
- KU5.** service request procedures for tools, materials and equipment as per organizational norms
- KU6.** statutory compliance requirements related to working at height
- KU7.** basic sketches / schematic working drawing relevant to rigging works
- KU8.** basic principles of measurement, geometry and arithmetic calculation
- KU9.** how to interpret lifting plans and schedules
- KU10.** applicable tolerance to respective erection job
- KU11.** sequence of erection works as per proposed work method statement
- KU12.** checks to be carried out to ensure the readiness of base for erections
- KU13.** how to check alignment of erected elements using measuring tools and instruments
- KU14.** the techniques of positioning of elements at their locations within tolerance limits

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 and basic English
- GS2.** read drawing/sketches, work, and safety-related instructions/signboards, etc. in one or more languages, preferably in the local language of the site
- GS3.** speak one or more language, preferably the local language of the site



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- GS4.** communicate orally and efficiently with team members
- GS5.** analyze the safety aspect of the workplace
- GS6.** plan work & organize required resource in coordination with team members and superior
- GS7.** perform work as per agreed time schedule and quality
- GS8.** resolve any conflict within the team
- GS9.** evaluate the complexity of the task and seek assistance and support wherever required
- GS10.** identify violation of any safety norms which may lead to accidents



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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare for the erection of structural steel assemblies</i>	6	14	-	-
PC1. ensure that proper access to the erection site is available to both erection team and load lifting equipment/ machine	-	-	-	-
PC2. ensure that survey marks and reference points are available for the erection work	-	-	-	-
PC3. carry out necessary measurement and marking to ascertain the exact location of erection	-	-	-	-
PC4. ensure the availability of base plates or other level correction provisions are provided at the base of erection as per requirement	-	-	-	-
PC5. check the availability of provisions for bolting, welding, post-tensioning connections as per the drawing	-	-	-	-
PC6. ensure designed bearing area in the platform or support is available for efficient erection of the components	-	-	-	-
PC7. check for hazardous situations at erection site, such as the presence of live electrical cables, absence of proper barricading, excessive wind speed and report it to the concerned authority promptly as per requirement	-	-	-	-
PC8. check availability of all materials and support equipment (identified by the seniors and required to proceed with the work) and report any shortages	-	-	-	-
<i>Erect structural steel assemblies as per drawing</i>	24	56	-	-
PC9. install shoring, bracing and guying materials as directed by the foreman/ supervisor or specified by erection drawings and details considering local conditions	-	-	-	-
PC10. pull, push and hold suspended structural steel assemblies/ components approximately to their exact location by hand or suitable means during lowering of load	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. communicate efficiently to the signalman or operator for precise movements required to place the object/ assemblies at accurate location	-	-	-	-
PC12. ensure units are guided to their appropriate locations	-	-	-	-
PC13. place the steel assemblies/ components to its accurate location efficiently and make required adjustments as per erection requirement	-	-	-	-
PC14. ensure proper orientation and alignment of the erected steel assembly/ component by carrying out required measurement and checks using appropriate measuring tools and instruments	-	-	-	-
PC15. check installation of temporary connections using appropriate tools prior to final positioning of precast units/ steel assemblies for their stability	-	-	-	-
PC16. bolt connections to the specified tolerance and torque using appropriate torque wrench wherever required	-	-	-	-
PC17. check bolt tightness in case of units having slotted connections	-	-	-	-
PC18. install special steel washers to ensure that the specified tension has been developed in the bolt	-	-	-	-
PC19. check location of shims, bearing pads for their proper positioning	-	-	-	-
PC20. install expansion bolts using prescribed installation procedures and quality control specifications	-	-	-	-
NOS Total	30	70	-	-



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National Occupational Standards (NOS) Parameters

NOS Code	CON/N0717
NOS Name	Erect structural steel assemblies at construction sites
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Rigging, Fabrication
NSQF Level	4
Credits	5
Version	5.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



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

Description

This NOS covers the skill and knowledge required for an individual to work according to personal health, safety and environmental protocols 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
- Follow infection control guidelines as per applicability

Elements and Performance Criteria

Follow safety norms as defined by the 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.** follow all the protocols and safety techniques conveyed during safety awareness programs like Tool Box Talks, safety demonstrations and mock drills conducted at the site
- PC5.** select and operate different types of fire extinguishers corresponding to various 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 for : Head Protection, Ear protection, Fall Protection, Foot Protection, Face and Eye Protection, Hand and Body Protection, and Respiratory Protection (if required)
- PC8.** handle all required tools, tackles, materials and equipment safely
- PC9.** follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines
- PC10.** check and install all safety equipment as per standard guidelines
- PC11.** follow safety protocols and practices as laid down by site EHS department
- PC12.** obtain "height pass" clearance for working at heights

Implement good housekeeping practices

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

- PC13.** collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature



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PC14. apply ergonomic principles wherever required

Follow infection control guidelines as per applicability

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

PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices

PC16. clean and disinfect all materials, tools and supplies before and after use

PC17. report immediately to concerned authorities regarding signs and symptoms of illness of self and others

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 based on various working conditions

KU6. importance of handling tools, equipment, and materials as per applicable norms

KU7. effect of construction material on health and environments as per applicability

KU8. various environmental protection methods as per applicability

KU9. storage of waste including 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 at the appropriate location

KU10. how to keep the workplace neat and tidy so as to be safe

KU11. how to use hazardous material in a safe and appropriate manner as per applicability

KU12. types of fire

KU13. procedure of operating different types of fire extinguishers

KU14. safety relevant to tools, tackles, and equipment as per applicability

KU15. housekeeping activities relevant to task

KU16. ways of transmission of infection

KU17. ways to manage infectious risks at the workplace

KU18. different methods of cleaning, disinfection, sterilization, and sanitization

KU19. symptoms of infection like fever, cough, redness, swelling, and inflammation

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



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- GS4.** speak in one or more language, preferably in one of the local language of the site
- GS5.** listen to instructions/communication shared by site EHS and superiors regarding site safety, and conducting the toolbox talk
- GS6.** identify potential safety risks and report to the appropriate authority
- GS7.** assess and analyze areas which may affect health, safety and environment protocol on the site



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Follow safety norms as defined by the organization</i>	5	15	-	-
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. follow all the protocols and safety techniques conveyed during safety awareness programs like Tool Box Talks, safety demonstrations and mock drills conducted at the site	-	-	-	-
PC5. select and operate different types of fire extinguishers corresponding to various 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 for : Head Protection, Ear protection, Fall Protection ,Foot Protection, Face and Eye Protection, Hand and Body Protection , and Respiratory Protection (if required)	-	-	-	-
PC8. handle all required tools, tackles, materials and equipment safely	-	-	-	-
PC9. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines	-	-	-	-
PC10. check and install all safety equipment as per standard guidelines	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. follow safety protocols and practices as laid down by site EHS department	-	-	-	-
PC12. obtain "height pass" clearance for working at heights	-	-	-	-
<i>Implement good housekeeping practices</i>	5	15	-	-
PC13. collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature	-	-	-	-
PC14. apply ergonomic principles wherever required	-	-	-	-
<i>Follow infection control guidelines as per applicability</i>	5	5	-	-
PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices	-	-	-	-
PC16. clean and disinfect all materials, tools and supplies before and after use	-	-	-	-
PC17. report immediately to concerned authorities regarding signs and symptoms of illness of self and others	-	-	-	-
NOS Total	30	70	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	CON/N9001
NOS Name	Work according to personal health, safety and environment protocols at construction site
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Generic Safety
NSQF Level	4
Credits	1
Version	3.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



Qualification Pack

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 in an effective manner
- Support co-workers to execute the project requirements
- Practice inclusion

Elements and Performance Criteria

Interact and communicate in an effective 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.** report any unresolved problem to the supervisor immediately
- PC4.** obtain instructions from superiors and respond on the same
- PC5.** communicate to team members/subordinates for appropriate work technique and method
- PC6.** seek clarification and advice as per the requirement

Support co-workers to execute the 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

Practice inclusion

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

- PC9.** maintain cultural inclusivity at work place
- PC10.** maintain disability friendly work practices
- PC11.** follow gender neutral practices at workplace
- PC12.** address discriminatory and offensive behaviour in a professional manner as per organizational policy

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** own roles and responsibilities



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- KU2.** importance of effective communication
- KU3.** the consequence of poor teamwork on project outcomes, timelines, safety at the construction site, etc.
- KU4.** different modes of communication used at workplace
- KU5.** importance of creating healthy and cooperative work environment among the gangs of workers
- KU6.** different activities within the work area where 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 effects in case of failure relating to quality, timeliness, safety, risks at the construction project site
- KU9.** importance and need of supporting co-workers facing problems for the smooth functioning of work
- KU10.** the fundamental concept of gender equality
- KU11.** how to recognise and be sensitive to issues of disability, culture and gender
- KU12.** legislation, policies, and procedures relating to gender sensitivity and cultural diversity including their impact on the area of operation

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



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interact and communicate in an effective manner</i>	20	40	-	-
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. report any unresolved problem to the supervisor immediately	-	-	-	-
PC4. obtain instructions from superiors and respond on the same	-	-	-	-
PC5. communicate to team members/subordinates for appropriate work technique and method	-	-	-	-
PC6. seek clarification and advice as per the requirement	-	-	-	-
<i>Support co-workers to execute the project requirements</i>	5	15	-	-
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	-	-	-	-
<i>Practice inclusion</i>	5	15	-	-
PC9. maintain cultural inclusivity at work place	-	-	-	-
PC10. maintain disability friendly work practices	-	-	-	-
PC11. follow gender neutral practices at workplace	-	-	-	-
PC12. address discriminatory and offensive behaviour in a professional manner as per organizational policy	-	-	-	-
NOS Total	30	70	-	-



Qualification Pack

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	Real Estate and Infrastructure construction
Occupation	Generic 2
NSQF Level	4
Credits	1
Version	3.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



Qualification Pack

CON/N8002: Plan and organize work to meet expected outcomes

Description

This unit describes the knowledge and the skills required for an individual to plan and organize own work in order to meet expected outcome

Scope

The scope covers the following :

- Plan and prepare for work
- Organise required resources as per work plan
- Complete work as per the plan

Elements and Performance Criteria

Plan and prepare for work

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

- PC1.** identify the targets and timelines set by superiors
- PC2.** determine the work requirements corresponding to task(drawings/schedules/instructions/methodology), safety, tools and equipment prior to commencement of task
- PC3.** plan the work by analyzing the required outcomes, work procedures, allotted time, resource availability and known priorities
- PC4.** prepare the work areas in coordination with team members
- PC5.** plan for waste collection and disposal prior to and after completion of work

Organise required resources as per work plan

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

- PC6.** arrange the required manpower prior to commencement of work
- PC7.** organize the required materials, tools and tackles required for the task

Complete work as per the plan

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

- PC8.** engage allocated manpower in an appropriate manner
- PC9.** employ correct tools, tackles and equipment for the desired work
- PC10.** provide guidance to the subordinates to obtain desired outcome
- PC11.** use resources in an optimum manner to avoid any unnecessary wastage
- PC12.** use tools, tackles and equipment carefully to avoid damage
- PC13.** ensure the work processes adopted are in line with the specified standards and instructions
- PC14.** complete the work with the allocated resources within specified time
- PC15.** clean and organise the workplace after completion of task

Knowledge and Understanding (KU)



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The individual on the job needs to know and understand:

- KU1.** importance of proper housekeeping including safe waste disposal
- KU2.** policies, procedures and work targets set by superiors
- KU3.** how to identify work activities that need to be planned and organized
- KU4.** how to determine the task requirements
- KU5.** how to determine the quality requirements related to the task
- KU6.** how to undertake all aspect of planning and organizing the task, including interpretation of task, reading drawing/schedules, arranging resources, reporting problems etc.
- KU7.** how to implement the planned activities
- KU8.** how to use available resources in a judicious and appropriate manner to minimize wastages or damage

Generic Skills (GS)

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

- GS1.** write in one or more language, preferably the local language at the site
- GS2.** read communication from co-workers, superiors and notices from other departments as per requirement of the level
- GS3.** speak in one or more language, preferably one of the local language at the site
- GS4.** follow communication shared by co-workers regarding standard work processes, resources available, timelines, etc.
- GS5.** communicate effectively with co-workers and subordinates
- GS6.** decide on what sequence is to be adopted for execution of work
- GS7.** plan and organize the materials, tools, tackles and equipment required to execute the work
- GS8.** complete all assigned task with proper planning and organizing
- GS9.** analyze areas of work which could result in a delay of work, wastage of material or damage to tools and tackles
- GS10.** evaluate potential solutions to minimize avoidable delays and wastages at the construction site



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Plan and prepare for work</i>	10	20	-	-
PC1. identify the targets and timelines set by superiors	-	-	-	-
PC2. determine the work requirements corresponding to task(drawings/schedules/instructions/methodology), safety, tools and equipment prior to commencement of task	-	-	-	-
PC3. plan the work by analyzing the required outcomes, work procedures, allotted time, resource availability and known priorities	-	-	-	-
PC4. prepare the work areas in coordination with team members	-	-	-	-
PC5. plan for waste collection and disposal prior to and after completion of work	-	-	-	-
<i>Organise required resources as per work plan</i>	5	15	-	-
PC6. arrange the required manpower prior to commencement of work	-	-	-	-
PC7. organize the required materials, tools and tackles required for the task	-	-	-	-
<i>Complete work as per the plan</i>	15	35	-	-
PC8. engage allocated manpower in an appropriate manner	-	-	-	-
PC9. employ correct tools, tackles and equipment for the desired work	-	-	-	-
PC10. provide guidance to the subordinates to obtain desired outcome	-	-	-	-
PC11. use resources in an optimum manner to avoid any unnecessary wastage	-	-	-	-
PC12. use tools, tackles and equipment carefully to avoid damage	-	-	-	-
PC13. ensure the work processes adopted are in line with the specified standards and instructions	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. complete the work with the allocated resources within specified time	-	-	-	-
PC15. clean and organise the workplace after completion of task	-	-	-	-
NOS Total	30	70	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	CON/N8002
NOS Name	Plan and organize work to meet expected outcomes
Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Generic 2
NSQF Level	4
Credits	1
Version	4.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025



Qualification Pack

DGT/VSQ/N0101: Employability Skills (30 Hours)

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

Elements and Performance Criteria

Introduction to Employability Skills

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

PC1. understand the significance of employability skills in meeting the job requirements

Constitutional values – Citizenship

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

PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

Becoming a Professional in the 21st Century

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

PC3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

Basic English Skills

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

PC4. speak with others using some basic English phrases or sentences

Communication Skills

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

PC5. follow good manners while communicating with others

PC6. work with others in a team



Qualification Pack

Diversity & Inclusion

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

PC7. communicate and behave appropriately with all genders and PwD

PC8. report any issues related to sexual harassment

Financial and Legal Literacy

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

PC9. use various financial products and services safely and securely

PC10. calculate income, expenses, savings etc.

PC11. approach the concerned authorities for any exploitation as per legal rights and laws

Essential Digital Skills

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

PC12. operate digital devices and use its features and applications securely and safely

PC13. use internet and social media platforms securely and safely

Entrepreneurship

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

PC14. identify and assess opportunities for potential business

PC15. identify sources for arranging money and associated financial and legal challenges

Customer Service

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

PC16. identify different types of customers

PC17. identify customer needs and address them appropriately

PC18. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

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

PC19. create a basic biodata

PC20. search for suitable jobs and apply

PC21. identify and register apprenticeship opportunities as per requirement

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. how to use basic spoken English language

KU6. Do and dont of effective communication

KU7. inclusivity and its importance

KU8. different types of disabilities and appropriate communication and behaviour towards PwD

KU9. different types of financial products and services



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- KU10.** how to compute income and expenses
- KU11.** importance of maintaining safety and security in financial transactions
- KU12.** different legal rights and laws
- KU13.** how to operate digital devices and applications safely and securely
- KU14.** ways to identify business opportunities
- KU15.** types of customers and their needs
- KU16.** how to apply for a job and prepare for an interview
- KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

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

- GS1.** communicate effectively using appropriate language
- GS2.** behave politely and appropriately with all
- GS3.** perform basic calculations
- GS4.** solve problems effectively
- GS5.** be careful and attentive at work
- GS6.** use time effectively
- GS7.** maintain hygiene and sanitisation to avoid infection



Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	3	4	-	-
PC9. use various financial products and services safely and securely	-	-	-	-



Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. calculate income, expenses, savings etc.	-	-	-	-
PC11. approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
<i>Essential Digital Skills</i>	4	6	-	-
PC12. operate digital devices and use its features and applications securely and safely	-	-	-	-
PC13. use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	3	5	-	-
PC14. identify and assess opportunities for potential business	-	-	-	-
PC15. identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	2	2	-	-
PC16. identify different types of customers	-	-	-	-
PC17. identify customer needs and address them appropriately	-	-	-	-
PC18. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	1	3	-	-
PC19. create a basic biodata	-	-	-	-
PC20. search for suitable jobs and apply	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	20	30	-	-



Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0101
NOS Name	Employability Skills (30 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	2
Credits	1
Version	1.0
Last Reviewed Date	30/04/2025
Next Review Date	30/04/2028
NSQF Clearance Date	30/04/2025

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by CSDCI. Each Performance Criteria (PC)/ Elements will be assigned marks proportional to its importance in NOS.
2. CSDCI will also lay down proportion of marks for Theory and Skills Practical for each PC/ Elements. The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by CSDCI.
3. Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below:
 - a) Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on assessment criteria.
 - b) The passing percentage for the QP will be 70%. To pass the Qualification Pack.
 - c) The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome
 - d) The trainee shall be provided with a chance to repeat the test to correct his procedures in case of



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improper performance, with a deduction of marks for each iteration.

e) 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.

f) 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 time frame set by CSDCI.

g) The candidates shall undergo On job training (OJT), and will learn at actual workplace for a fixed period of time and a certain weightage of assessment is allocated out of total skill weightage of Qualification Pack for undergoing OJT as stipulated by CSDCI. This OJT score and assessors' end point score are combined to arrive at final Marking/grading of trainees' skill test. The OJT score is determined by Supervisor of company under which candidates undergo on job training.

Minimum Aggregate Passing % at QP Level : 70

(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/N1210. Inspect the fabrication materials and conduct their surface cleaning	30	70	-	-	100	20
CON/N1211. Conduct joint preparation, connection activities and repair work in fabricated assemblies	30	70	-	-	100	25
CON/N0717. Erect structural steel assemblies at construction sites	30	70	-	-	100	30
CON/N9001. Work according to personal health, safety and environment protocols at construction site	30	70	-	-	100	10



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National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N8001.Work effectively in a team to deliver desired results at the workplace	30	70	-	-	100	5
CON/N8002.Plan and organize work to meet expected outcomes	30	70	-	-	100	5
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	5
Total	200	450	-	-	650	100



Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
MSDE	Ministry of Skill Development and Entrepreneurship
NCVET	National Council for Vocational Education and Training
NSDC	National Skill Development Corporation
CSDCI	Construction Skill Development Council of India
SIDH	Skill India Digital Hub
AB	Awarding Body
SSC	Sector Skill Council
PMKVY	Pradhan Mantri Kaushal Vikas Yojana
DDU-GKY	Deen Dayal Upadhyaya Grameen Kaushalya Yojana
SANKALP	Skill Acquisition and Knowledge Awareness for Livelihood Promotion
STRIVE	Skills Strengthening for Industrial Value Enhancement
JSS	Jan Shikshan Sansthan
STT	Short Term Training
RPL	Recognition of Prior Learning
NAPS	National Apprenticeship Promotion Scheme
AA	Assessment Agency
TP	Training Provider / Training Partner
TC	Training Centre
ITI	Industrial Training Institute
NSQC	National Skill Qualification Committee



Qualification Pack

NSQF	National Skills Qualification Framework
Q-File	Qualification File
QP	Qualification Pack
MC	Model Curriculum
NOS	National Occupational Standards
PC	Performance Criteria
KU	Knowledge and Understanding
GS	Generic Skills
MCQ	Multiple Choice Question
EHS	Environment Health and Safety
PPE	Personal Protective Equipment
QA/QC	Quality Assurance / Quality Control
IS Code	Indian Standards Code
PMI	Positive Material Identification
MCB	Miniature Circuit Breaker
WPS	Welding Procedure Specification
PQR	Procedure Qualification Record
MIG	Metal Inert Gas Welding
TIG	Tungsten Inert Gas Welding
SMAW	Shielded Metal Arc Welding (Manual Arc Welding)
GMAW	Gas Metal Arc Welding (MIG Welding)
GTAW	Gas Tungsten Arc Welding
FCAW	Flux Cored Arc Welding
SAW	Submerged Arc Welding
PAW	Plasma Arc Welding
LBW	Laser Beam Welding



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EBW	Electron Beam Welding
ESW	Electro Slag Welding
UT	Ultrasonic Testing (NDT Method)
RT	Radiographic Testing (X-ray Inspection)
PT	Penetrant Testing (Dye Penetrant Test)
MPT	Magnetic Particle Testing
VT	Visual Testing
FAB	Fabrication
HSS	Hollow Structural Section
CJP	Complete Joint Penetration
PJP	Partial Joint Penetration
HFW	High-Frequency Welding
ISMC	Indian Standard Medium Channel
ISMB	Indian Standard Medium Beam
ISWB	Indian Standard Wide Flange Beam



Qualification Pack

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.
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.



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