



# Plasma Cutter

QP Code: CON/Q1207

Version: 2.0

NSQF Level: 4

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### CON/Q1207: Plasma Cutter

#### Brief Job Description

Plasma Cutter is responsible for performing plasma cutting on structural steel elements using manual machines within specified time and tolerance, at construction site/yard.

#### Personal Attributes

The plasma cutter 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 due to exposure to light and heat. The person should be organized, diligent, methodical and safety-conscious. They should have good communication skills along with team spirit.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [CON/N1212: Carry out cutting operations on structural steel elements using manual plasma cutting machine at construction site/yard](#)
2. [CON/N8001: Work effectively in a team to deliver desired results at the workplace](#)
3. [CON/N9001: Work according to personal health, safety and environment protocols at construction site](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Fabrication
<b>Country</b>	India
<b>NSQF Level</b>	4
<b>Credits</b>	NA
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/7212.9900



## Qualification Pack



<b>Minimum Educational Qualification &amp; Experience</b>	10th Class/I.T.I with 3 Years of experience in fabrication occupation for a certified worker in Gas Cutter job role, NSQF level 2 OR 10th Class/I.T.I with 9 Years of experience in fabrication occupation for a non-trained worker
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	NIL
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	18/08/2021
<b>Next Review Date</b>	18/08/2025
<b>NSQC Approval Date</b>	
<b>Version</b>	2.0



## CON/N1212: Carry out cutting operations on structural steel elements using manual plasma cutting machine at construction site/yard

### Description

This unit describes the skills and knowledge required to carry out cutting operations on structural steel elements using manual plasma cutting machine at construction site/yard.

### Scope

The scope covers the following :

- Prepare for plasma cutting work
- Carry out plasma cutting of the elements having thickness 1mm and above at construction site/yard.

### Elements and Performance Criteria

#### *Prepare for plasma cutting work*

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

- PC1.** read and interpret the fabrication shop drawings to identify cut sections
- PC2.** estimate the quantity of consumables required for cutting
- PC3.** confirm the compliance of markings on the elements with dimensions as shown in drawings
- PC4.** ensure that the surface is clean and free from residues of any oxides, paints, oils dust etc.
- PC5.** check gas pressure gauges prior to beginning the process
- PC6.** ensure that the gas used is compatible with the process and test the gas flow before beginning cutting procedures
- PC7.** ensure that there is no leakage in gas pipelines
- PC8.** confirm that all auxiliary units are working as required
- PC9.** confirm that the plasma tip used is clean, and undamaged
- PC10.** ensure no moisture is present in the vicinity of the working area and work piece

#### *Carry out plasma cutting of the elements having thickness 1mm and above at construction site/yard*

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

- PC11.** set the machine at required current setting depending upon the thickness of section and type of element
- PC12.** ensure cutting of the base metal does not start at 90 degree angle
- PC13.** cut the metal at an angle (e.g. 60 degrees from horizontal, 30 degrees from vertical) and then rotate the torch to the vertical position
- PC14.** confirm the gas flow rate by referring to the pressure gauges in the equipment
- PC15.** confirm the current settings by consulting the display on the equipment and make the necessary changes
- PC16.** ensure tip of the nozzle is not touching the base metal, to increase the life of the tip
- PC17.** use appropriate drag cups as per requirement
- PC18.** adjust the travel speed of the torch in relation to the heat settings and thickness of the materials



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- PC19.** maintain appropriate distance of the torch from the base material to ensure cutting is done in correct profile and wastage is minimised
- PC20.** ensure that cut is terminated properly and cleanly by employing push angle particularly in the higher thickness sections
- PC21.** employ correct tools and tackles as required during the cutting operations
- PC22.** clean the cut and any dross formed on the top and bottom surface
- PC23.** ensure that ripples are not formed in the cut
- PC24.** handle and store the equipment as per manufacturer's guidelines

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedures for plasma cutting work
- KU2.** safety rules and regulations for handling and storing relevant tools, equipment, and materials for relevant works in accordance with organizational norms
- 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.** procedure for maintenance of tools and equipment
- KU7.** various drawing like shop drawings, cutting drawings etc.
- KU8.** concept of plasma, its properties and applications
- KU9.** different consumables used in the plasma cutting process
- KU10.** components of the plasma cutting equipment, their purpose and maintenance
- KU11.** different materials which can be cut by plasma
- KU12.** how to estimate the quantity of materials required in plasma cutting work
- KU13.** how to read and interpret various gauges and displays
- KU14.** various testing and pilot runs for plasma cutting, their purpose and importance
- KU15.** area of application, range of equipment ,manufacturer's guidelines for the use of equipment, optimum and ideal settings of the equipment etc
- KU16.** standard procedure for cutting the sections using plasma cutting
- KU17.** do's and don'ts while operating cutting equipment
- KU18.** how to optimise the use of consumables
- KU19.** relationship between heat transfer, gas flow rate, amperage settings and material properties
- KU20.** how to complete the clean cutting of heavy sections
- KU21.** effects of holding the torch too close to the metal
- KU22.** various tools and tackles used in cutting operations
- KU23.** process of cleaning of cut joints and its importance

### Generic Skills (GS)

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



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- GS1.** write in one or more language, preferably in the local language of the site and basic English
- GS2.** read sketches/routine work drawings, instructions provided for the work, and various signboards, safety rules, safety tags, exit route information in one or more languages, preferably in the local language of the site
- GS3.** speak in one or more language, preferably in the local language of the site
- GS4.** communicate orally and effectively with team members
- GS5.** analyze the safety aspect of the workplace
- GS6.** plan work and organize required resource effectively
- GS7.** complete work as per agreed time schedule and quality parameters
- GS8.** resolve any conflict within the teammates
- GS9.** evaluate the complexity of the tasks
- GS10.** identify any violation of safety norms during the work

## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare for plasma cutting work</i>	<b>12</b>	<b>28</b>	-	-
<b>PC1.</b> read and interpret the fabrication shop drawings to identify cut sections	-	-	-	-
<b>PC2.</b> estimate the quantity of consumables required for cutting	-	-	-	-
<b>PC3.</b> confirm the compliance of markings on the elements with dimensions as shown in drawings	-	-	-	-
<b>PC4.</b> ensure that the surface is clean and free from residues of any oxides, paints, oils dust etc.	-	-	-	-
<b>PC5.</b> check gas pressure gauges prior to beginning the process	-	-	-	-
<b>PC6.</b> ensure that the gas used is compatible with the process and test the gas flow before beginning cutting procedures	-	-	-	-
<b>PC7.</b> ensure that there is no leakage in gas pipelines	-	-	-	-
<b>PC8.</b> confirm that all auxiliary units are working as required	-	-	-	-
<b>PC9.</b> confirm that the plasma tip used is clean, and undamaged	-	-	-	-
<b>PC10.</b> ensure no moisture is present in the vicinity of the working area and work piece	-	-	-	-
<i>Carry out plasma cutting of the elements having thickness 1mm and above at construction site/yard</i>	<b>18</b>	<b>42</b>	-	-
<b>PC11.</b> set the machine at required current setting depending upon the thickness of section and type of element	-	-	-	-
<b>PC12.</b> ensure cutting of the base metal does not start at 90 degree angle	-	-	-	-
<b>PC13.</b> cut the metal at an angle (e.g. 60 degrees from horizontal, 30 degrees from vertical) and then rotate the torch to the vertical position	-	-	-	-





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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC14.</b> confirm the gas flow rate by referring to the pressure gauges in the equipment	-	-	-	-
<b>PC15.</b> confirm the current settings by consulting the display on the equipment and make the necessary changes	-	-	-	-
<b>PC16.</b> ensure tip of the nozzle is not touching the base metal, to increase the life of the tip	-	-	-	-
<b>PC17.</b> use appropriate drag cups as per requirement	-	-	-	-
<b>PC18.</b> adjust the travel speed of the torch in relation to the heat settings and thickness of the materials	-	-	-	-
<b>PC19.</b> maintain appropriate distance of the torch from the base material to ensure cutting is done in correct profile and wastage is minimised	-	-	-	-
<b>PC20.</b> ensure that cut is terminated properly and cleanly by employing push angle particularly in the higher thickness sections	-	-	-	-
<b>PC21.</b> employ correct tools and tackles as required during the cutting operations	-	-	-	-
<b>PC22.</b> clean the cut and any dross formed on the top and bottom surface	-	-	-	-
<b>PC23.</b> ensure that ripples are not formed in the cut	-	-	-	-
<b>PC24.</b> handle and store the equipment as per manufacturer's guidelines	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>70</b>	-	-



## Qualification Pack



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N1212
<b>NOS Name</b>	Carry out cutting operations on structural steel elements using manual plasma cutting machine at construction site/yard
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Fabrication
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	18/08/2021
<b>Next Review Date</b>	18/08/2025



# 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
- KU2.** importance of effective communication



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- 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

## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interact and communicate in an effective manner</i>	<b>18</b>	<b>42</b>	-	-
<b>PC1.</b> pass on work related information/ requirement clearly to the team members	-	-	-	-
<b>PC2.</b> inform co-workers and superiors about any kind of deviations from work	-	-	-	-
<b>PC3.</b> report any unresolved problem to the supervisor immediately	-	-	-	-
<b>PC4.</b> obtain instructions from superiors and respond on the same	-	-	-	-
<b>PC5.</b> communicate to team members/subordinates for appropriate work technique and method	-	-	-	-
<b>PC6.</b> seek clarification and advice as per the requirement	-	-	-	-
<i>Support co-workers to execute the project requirements</i>	<b>6</b>	<b>14</b>	-	-
<b>PC7.</b> hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams	-	-	-	-
<b>PC8.</b> work together with co-workers in a synchronized manner	-	-	-	-
<i>Practice inclusion</i>	<b>6</b>	<b>14</b>	-	-
<b>PC9.</b> maintain cultural inclusivity at work place	-	-	-	-
<b>PC10.</b> maintain disability friendly work practices	-	-	-	-
<b>PC11.</b> follow gender neutral practices at workplace	-	-	-	-
<b>PC12.</b> address discriminatory and offensive behaviour in a professional manner as per organizational policy	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>70</b>	-	-



## Qualification Pack



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N8001
<b>NOS Name</b>	Work effectively in a team to deliver desired results at the workplace
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Generic 2
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	6.0
<b>Last Reviewed Date</b>	31/03/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	31/03/2022



# 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
- 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

**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





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- 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



## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Follow safety norms as defined by the organization</i>	<b>6</b>	<b>14</b>	-	-
<b>PC1.</b> identify and report any hazards, risks or breaches in site safety to the appropriate authority	-	-	-	-
<b>PC2.</b> follow emergency and evacuation procedures in case of accidents, fires, natural calamities	-	-	-	-
<b>PC3.</b> follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable	-	-	-	-
<b>PC4.</b> 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	-	-	-	-
<b>PC5.</b> select and operate different types of fire extinguishers corresponding to various types of fires as per EHS guideline	-	-	-	-
<b>PC6.</b> identify near miss, unsafe condition and unsafe act	-	-	-	-
<i>Adopt healthy &amp; safe work practices</i>	<b>15</b>	<b>35</b>	-	-
<b>PC7.</b> 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)	-	-	-	-
<b>PC8.</b> handle all required tools, tackles, materials and equipment safely	-	-	-	-
<b>PC9.</b> follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines	-	-	-	-
<b>PC10.</b> check and install all safety equipment as per standard guidelines	-	-	-	-
<b>PC11.</b> follow safety protocols and practices as laid down by site EHS department	-	-	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> obtain "height pass" clearance for working at heights	-	-	-	-
<i>Implement good housekeeping practices</i>	<b>6</b>	<b>14</b>	-	-
<b>PC13.</b> collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature	-	-	-	-
<b>PC14.</b> apply ergonomic principles wherever required	-	-	-	-
<i>Follow infection control guidelines as per applicability</i>	<b>3</b>	<b>7</b>	-	-
<b>PC15.</b> follow recommended personal hygiene, workplace hygiene and sanitization practices	-	-	-	-
<b>PC16.</b> clean and disinfect all materials, tools and supplies before and after use	-	-	-	-
<b>PC17.</b> report immediately to concerned authorities regarding signs and symptoms of illness of self and others	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>70</b>	-	-



### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N9001
<b>NOS Name</b>	Work according to personal health, safety and environment protocols at construction site
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Generic Safety
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	6.0
<b>Last Reviewed Date</b>	31/03/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	31/03/2022

### Assessment Guidelines and Assessment Weightage

#### Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3. Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on assessment criteria.
5. The passing percentage for each QP will be 70%. To pass the Qualification Pack, every trainee should score a minimum of 70% individually in each NOS.
6. The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.



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

### 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.)

### Minimum Passing % at NOS Level: 70

**(Please note:** A Trainee must score the minimum percentage for each NOS separately as well as on the QP as a whole.)

## Assessment Weightage

### Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N1212.Carry out cutting operations on structural steel elements using manual plasma cutting machine at construction site/yard	30	70	-	-	100	65
CON/N8001.Work effectively in a team to deliver desired results at the workplace	30	70	-	-	100	5
CON/N9001.Work according to personal health, safety and environment protocols at construction site	30	70	-	-	100	30
<b>Total</b>	<b>90</b>	<b>210</b>	<b>-</b>	<b>-</b>	<b>300</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



### 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.