



## Qualification Pack



# Inspector (Advance Scaffold).

QP Code: SSD/VSQ/Q0202

Version: 1.0

NSQF Level: 5

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## Qualification Pack

### Contents

|  |    |
|--|----|
| SSD/VSQ/Q0202: Inspector (Advance Scaffold). .....                               | 3  |
| <i>Brief Job Description</i> .....   | 3  |
| Applicable National Occupational Standards (NOS) .....                           | 3  |
| <i>Compulsory NOS</i> .....  | 3  |
| <i>Qualification Pack (QP) Parameters</i> .....                                  | 3  |
| SSD/VSQ/N0211: Scaffoldings & Specifications .....                               | 5  |
| SSD/VSQ/N0212: Scaffold Drawings and Designs .....                               | 9  |
| SSD/VSQ/N0207: Advance Scaffold Design .....                                     | 13 |
| SSD/VSQ/N0208: Advance Scaffold Inspection and Documentation .....               | 17 |
| SSD/VSQ/N0209: Advance International Practices and Designs in Scaffoldings ..... | 21 |
| SSD/VSQ/N0210: Plan, Organize & Monitor .....                                    | 25 |
| SSD/VSQ/N0206: Work with Safety, Health and Environment .....                    | 29 |
| DGT/VSQ/N0102: Employability Skills (60 Hours) .....                             | 34 |
| Assessment Guidelines and Weightage .....  | 41 |
| <i>Assessment Guidelines</i> .....   | 41 |
| <i>Assessment Weightage</i> .....  | 42 |
| Acronyms .....   | 44 |
| Glossary .....   | 45 |



## Qualification Pack

### SSD/VSQ/Q0202: Inspector (Advance Scaffold).

#### Brief Job Description

Inspector (Advance Scaffold) is responsible for Inspection of Scaffolding and certify the compliances of scaffolding platform as per design, relevant specifications and ensure scaffolding safety for use for all scaffoldings including supported, mobile, cantilever, suspended scaffoldings. He/she is also responsible for advice on maintenance of documents, safe practices & compliances

#### Personal Attributes

He/she should be physically & mentally fit and should be able to provide advice on the suitability of scaffolds to meet the health and safety requirements with regard to design and technical advice on scaffolding works and participate in work requiring higher level skills.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

- [1. SSD/VSQ/N0211: Scaffoldings & Specifications](#)
- [2. SSD/VSQ/N0212: Scaffold Drawings and Designs](#)
- [3. SSD/VSQ/N0207: Advance Scaffold Design](#)
- [4. SSD/VSQ/N0208: Advance Scaffold Inspection and Documentation](#)
- [5. SSD/VSQ/N0209: Advance International Practices and Designs in Scaffoldings](#)
- [6. SSD/VSQ/N0210: Plan, Organize & Monitor](#)
- [7. SSD/VSQ/N0206: Work with Safety, Health and Environment](#)
- [8. DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

#### Qualification Pack (QP) Parameters

|                   |  |
|-------------------|--|
| <b>Sector</b>     | Cross Sectoral   |
| <b>Sub-Sector</b> | Construction, Infrastructure, Real Estate, Logistics, Mining, and Iron & Steel |
| <b>Occupation</b> | SCAFFOLDING ENGINEERING & MANAGEMENT   |



## Qualification Pack

|   |   |
|---|---|
| <b>Country</b>  | India   |
| <b>NSQF Level</b>   | 5   |
| <b>Credits</b>  | 22  |
| <b>Aligned to NCO/ISCO/ISIC Code</b>                      | NCO-2015/2141.0100 ; Works Inspector, Engineering/Inspection Engineer   |
| <b>Minimum Educational Qualification &amp; Experience</b> | Completed 4 year UG program (with science in relevant field) with 3 Years of experience<br>OR<br>Completed 3 year diploma after 10th with 3-5 Years of experience (4.5 Years)<br>OR<br>10th Class + I.T.I with 5-10 Years of experience (5.5 Years)<br>OR<br>Previous relevant Qualification of NSQF Level (4.5) with 1-2 Years of experience (1.5 Years) |
| <b>Minimum Level of Education for Training in School</b>  | 10th Class  |
| <b>Pre-Requisite License or Training</b>                  | Nil   |
| <b>Minimum Job Entry Age</b>                              | 18 Years  |
| <b>Last Reviewed On</b>                                   | NA  |
| <b>Next Review Date</b>                                   | 31/01/2027  |
| <b>NSQF Approval Date</b>                                 | 31/01/2024  |
| <b>Version</b>  | 1.0   |
| <b>Reference code on NQR</b>                              | QC-05-CO-02088-2024-V1-SSDF   |
| <b>NQR Version</b>  | 1.0   |

### Remarks:

NA



## Qualification Pack

# SSD/VSQ/N0211: Scaffoldings & Specifications

## Description

The NOS describes the knowledge & skills required by the professional to know & understand the types of scaffoldings, their components, specifications, uses under specific conditions and protections required for safe use.

## Scope

The scope covers the following :

- Identification of scaffold & components
- Design load calculation of the scaffold
- Fall protection requirements & provisions in the scaffold.

## Elements and Performance Criteria

### *Types of Scaffoldings*

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

- PC1.** Identification of several types of scaffoldings, their components.
- PC2.** Determination of type of scaffold required as per site & load requirements.
- PC3.** Identification of working & faulty components and defect in the components.

### *Design Load Calculation*

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

- PC4.** Calculation of load on scaffold & optimum load
- PC5.** Calculation of design load for the scaffold.
- PC6.** Working requirements of components, tie-offs, supports etc. of the scaffoldings as per design requirement

### *Fall Protection Requirements*

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

- PC7.** Identification of types of fall protection for the scaffoldings, tie-offs, supports, and ladders.
- PC8.** Working out of fall protections required in the scaffold for various activities and effectiveness.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Several types of scaffoldings used under various working conditions.
- KU2.** Components of scaffoldings and their uses.
- KU3.** Methods to find faulty scaffold components.
- KU4.** Load classes of scaffoldings, design loads and optimum loads for the scaffold.
- KU5.** Various kind of fall protection provided, tie-offs, supports, ladders of the scaffoldings.
- KU6.** Purpose of each of the components and fall protection in the scaffoldings.



## Qualification Pack

**KU7.** Good practices while erecting the scaffold and while using the scaffold.

### Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Types of Scaffoldings</i>  | <b>18</b>    | <b>17</b>       | -             | -          |
| <b>PC1.</b> Identification of several types of scaffolds, their components.   | 8            | 7               | -             | -          |
| <b>PC2.</b> Determination of type of scaffold required as per site & load requirements.                               | 5            | 5               | -             | -          |
| <b>PC3.</b> Identification of working & faulty components and defect in the components.                               | 5            | 5               | -             | -          |
| <i>Design Load Calculation</i>  | <b>17</b>    | <b>18</b>       | -             | -          |
| <b>PC4.</b> Calculation of load on scaffold & optimum load  | 5            | 5               | -             | -          |
| <b>PC5.</b> Calculation of design load for the scaffold.  | 5            | 5               | -             | -          |
| <b>PC6.</b> Working requirements of components, tie-offs, supports etc. of the scaffoldings as per design requirement | 7            | 8               | -             | -          |
| <i>Fall Protection Requirements</i>   | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC7.</b> Identification of types of fall protection for the scaffolds, tie-offs, supports, and ladders.            | 8            | 7               | -             | -          |
| <b>PC8.</b> Working out of fall protections required in the scaffold for various activities and effectiveness.        | 7            | 8               | -             | -          |
| <b>NOS Total</b>  | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>NOS Code</b>            | SSD/VSQ/N0211                        |
| <b>NOS Name</b>            | Scaffoldings & Specifications        |
| <b>Sector</b>              | Cross Sectoral                       |
| <b>Sub-Sector</b>          |                                      |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT |
| <b>NSQF Level</b>          | 5                                    |
| <b>Credits</b>             | 4                                    |
| <b>Version</b>             | 1.0                                  |
| <b>Last Reviewed Date</b>  | 31/01/2024                           |
| <b>Next Review Date</b>    | 31/01/2027                           |
| <b>NSQC Clearance Date</b> | 31/01/2024                           |



## Qualification Pack

# SSD/VSQ/N0212: Scaffold Drawings and Designs

## Description

The NOS describes the knowledge & skills required by the professional to know & understand the scaffolding drawings, codal provisions in designing, design factors, load calculations and design of supported scaffoldings up to a height of 20 meters.

## Scope

The scope covers the following :

- Reading & Understanding scaffold drawings
- Scaffold requirement & design of supported scaffold up to 20-meter height.
- Identification of fall protection & design.

## Elements and Performance Criteria

### *Scaffold Drawing & Details*

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

- PC1.** Reading and understanding of scaffold drawings.
- PC2.** Interpretations of scaffold drawings.
- PC3.** Provide assistance in preparations of Scaffold drawings.

### *Scaffold Design*

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

- PC4.** Working out of design details of scaffoldings as per Indian Standards for supported & mobile scaffoldings up to 20 meters height.
- PC5.** Working out of design details of scaffold as per International Standards of OSHA & BS standards for supported & mobile scaffoldings up to 20 meters height.
- PC6.** Checking of design details of scaffoldings provided to him.

### *Fall Protection Requirements*

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

- PC7.** Working out details of fall protections, design and fall protection measures.
- PC8.** Working out details of ladder/temporary ladder requirements & design.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Drawings of scaffoldings and its interpretation.
- KU2.** Details required of scaffold drawing preparation.
- KU3.** Load calculations, classification, and design of several types of scaffoldings & its components
- KU4.** Indian & International design parameters & standards of scaffoldings and design loads.
- KU5.** Making design checks of scaffoldings design details provided to him.



## Qualification Pack

- KU6.** Fall protection requirements and fall protection measures
- KU7.** Requirements of ladders/temporary ladders
- KU8.** Design & drawing software operation.
- KU9.** Safety rules, safety measures, precautions and safety violating actions.

### Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Scaffold Drawing &amp; Details</i>   | <b>18</b>    | <b>17</b>       | -             | -          |
| <b>PC1.</b> Reading and understanding of scaffold drawings.   | 8            | 7               | -             | -          |
| <b>PC2.</b> Interpretations of scaffold drawings.   | 5            | 5               | -             | -          |
| <b>PC3.</b> Provide assistance in preparations of Scaffold drawings.  | 5            | 5               | -             | -          |
| <i>Scaffold Design</i>  | <b>17</b>    | <b>18</b>       | -             | -          |
| <b>PC4.</b> Working out of design details of scaffolds as per Indian Standards for supported & mobile scaffoldings up to 20 meters height.                              | 7            | 8               | -             | -          |
| <b>PC5.</b> Working out of design details of scaffold as per International Standards of OSHA & BS standards for supported & mobile scaffoldings up to 20 meters height. | 5            | 5               | -             | -          |
| <b>PC6.</b> Checking of design details of scaffolds provided to him.  | 5            | 5               | -             | -          |
| <i>Fall Protection Requirements</i>   | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC7.</b> Working out details of fall protections, design and fall protection measures.   | 8            | 7               | -             | -          |
| <b>PC8.</b> Working out details of ladder/temporary ladder requirements & design.   | 7            | 8               | -             | -          |
| <b>NOS Total</b>  | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>NOS Code</b>            | SSD/VSQ/N0212                        |
| <b>NOS Name</b>            | Scaffold Drawings and Designs        |
| <b>Sector</b>              | Cross Sectoral                       |
| <b>Sub-Sector</b>          |                                      |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT |
| <b>NSQF Level</b>          | 5                                    |
| <b>Credits</b>             | 2                                    |
| <b>Version</b>             | 1.0                                  |
| <b>Last Reviewed Date</b>  | 31/01/2024                           |
| <b>Next Review Date</b>    | 31/01/2027                           |
| <b>NSQF Clearance Date</b> | 31/01/2024                           |



## Qualification Pack

### SSD/VSQ/N0207: Advance Scaffold Design

#### Description

The NOS describes the knowledge & skills required by the professional about the scaffolding drawings, codal provisions in designing and design of all kinds of scaffoldings including mobile, cantilever & suspended scaffoldings and supported scaffolding having height more than 20 meters.

#### Scope

The scope covers the following :

- Reading and Understanding scaffold drawings.
- Scaffold requirement and design of scaffoldings including cantilever & suspended.
- Identification of fall protection and design.

#### Elements and Performance Criteria

##### *Scaffold Drawing & Details*

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

- PC1.** Reading and understanding of scaffolds drawings including cantilever & suspended scaffolds.
- PC2.** Interpretations of scaffold drawings including cantilever & suspended scaffolds.
- PC3.** Provide assistance in preparations of scaffold drawings.

##### *Scaffold Design*

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

- PC4.** Working out of design details of scaffolds as per Indian Standards for supported & mobile scaffoldings up to 20 meters height.
- PC5.** Working out of design details of scaffold as per International Standards of OSHA & BS standards for supported & mobile scaffoldings up to 20 meters height.
- PC6.** Checking of design details of scaffolds including cantilever & suspended scaffolds.

##### *Fall Protection Requirements*

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

- PC7.** Working out details of fall protections, design and fall protection measures in cantilever & suspended scaffoldings.
- PC8.** Working out details of ladder/temporary ladder requirements & design in cantilever & suspended scaffoldings.

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Drawings of scaffolds and its interpretation for scaffoldings including cantilever & suspended scaffoldings.
- KU2.** Details required of scaffold drawing preparation for scaffoldings including cantilever & suspended scaffoldings.



## Qualification Pack

- KU3.** Load calculations, classification and design of various types of scaffoldings & its components including cantilever & suspended scaffolds.
- KU4.** Indian & International design parameters & standards of scaffolds and design loads for cantilever & suspended scaffolds.
- KU5.** Making design checks of scaffolds design details for cantilever & suspended scaffolds.
- KU6.** Fall protection requirements and fall protection measures for scaffolds including cantilever & suspended scaffolds.
- KU7.** Requirements of ladders/temporary ladders for cantilever & suspended scaffolds.
- KU8.** Design & drawing software operation.
- KU9.** Knowledge of safety rules, safety measures, precautions and safety violating actions.

## Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Scaffold Drawing &amp; Details</i>   | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC1.</b> Reading and understanding of scaffolds drawings including cantilever & suspended scaffolds.   | 5            | 5               | -             | -          |
| <b>PC2.</b> Interpretations of scaffold drawings including cantilever & suspended scaffolds.  | 5            | 5               | -             | -          |
| <b>PC3.</b> Provide assistance in preparations of scaffold drawings.  | 5            | 5               | -             | -          |
| <i>Scaffold Design</i>  | <b>20</b>    | <b>20</b>       | -             | -          |
| <b>PC4.</b> Working out of design details of scaffolds as per Indian Standards for supported & mobile scaffoldings up to 20 meters height.                              | 7            | 7               | -             | -          |
| <b>PC5.</b> Working out of design details of scaffold as per International Standards of OSHA & BS standards for supported & mobile scaffoldings up to 20 meters height. | 7            | 6               | -             | -          |
| <b>PC6.</b> Checking of design details of scaffolds including cantilever & suspended scaffolds.   | 6            | 7               | -             | -          |
| <i>Fall Protection Requirements</i>   | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC7.</b> Working out details of fall protections, design and fall protection measures in cantilever & suspended scaffolds.   | 7            | 7               | -             | -          |
| <b>PC8.</b> Working out details of ladder/temporary ladder requirements & design in cantilever & suspended scaffolds.   | 8            | 8               | -             | -          |
| <b>NOS Total</b>  | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>NOS Code</b>            | SSD/VSQ/N0207                        |
| <b>NOS Name</b>            | Advance Scaffold Design              |
| <b>Sector</b>              | Cross Sectoral                       |
| <b>Sub-Sector</b>          |                                      |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT |
| <b>NSQF Level</b>          | 5                                    |
| <b>Credits</b>             | 3                                    |
| <b>Version</b>             | 1.0                                  |
| <b>Last Reviewed Date</b>  | 31/01/2024                           |
| <b>Next Review Date</b>    | 31/01/2027                           |
| <b>NSQC Clearance Date</b> | 31/01/2024                           |



## Qualification Pack

# SSD/VSQ/N0208: Advance Scaffold Inspection and Documentation

## Description

The NOS describes the knowledge & skills required by the professional for ensuring compliance of design, safety of scaffolding platform, process to be followed & documentation to be maintained during & after the inspection process of the scaffolds.

## Scope

The scope covers the following :

- Safety & Design check during inspection to prevent any accident during its use.
- Inspection of scaffold after erection before opening for use.
- Documents to be prepared and maintained in scaffold inspection.

## Elements and Performance Criteria

### *Safety & Design check*

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

- PC1.** Checking whether the scaffold is as per design & drawings.
- PC2.** Checking Safety measures provided in scaffold preparation as per design & drawings.
- PC3.** Briefing & display for proper uses of scaffold to users.

### *Inspection Process*

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

- PC4.** Follow the step wise process of Inspection.
- PC5.** Checking each of the inspection points of the scaffold.
- PC6.** Compliances of all inspection points & prepare inspection report.

### *Documentation*

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

- PC7.** Preparation & maintenance of documents as per inspection process.
- PC8.** Providing the inspection report to concerned officials.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Drawings of scaffolds and its interpretation.
- KU2.** Details required of scaffold drawing preparation.
- KU3.** Load calculations, classification and design of various types of scaffoldings & its components including cantilever & suspended scaffolds.
- KU4.** Indian & International design parameters & standards of scaffolds and design loads for cantilever & suspended scaffolds.
- KU5.** Making design checks of scaffolds design details for cantilever & suspended scaffolds.



## Qualification Pack

- KU6.** Fall protection requirements and fall protection measures for scaffolds including cantilever & suspended scaffolds.
- KU7.** Requirements of ladders/temporary ladders for cantilever & suspended scaffolds.
- KU8.** Design & drawing software operation.
- KU9.** Knowledge of safety rules, safety measures, precautions and safety violating actions.

### Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Safety &amp; Design check</i>  | <b>20</b>    | <b>20</b>       | -             | -          |
| <b>PC1.</b> Checking whether the scaffold is as per design & drawings.                          | 7            | 8               | -             | -          |
| <b>PC2.</b> Checking Safety measures provided in scaffold preparation as per design & drawings. | 8            | 7               | -             | -          |
| <b>PC3.</b> Briefing & display for proper uses of scaffold to users.                            | 5            | 5               | -             | -          |
| <i>Inspection Process</i>   | <b>18</b>    | <b>17</b>       | -             | -          |
| <b>PC4.</b> Follow the step wise process of Inspection.   | 5            | 5               | -             | -          |
| <b>PC5.</b> Checking each of the inspection points of the scaffold.                             | 8            | 7               | -             | -          |
| <b>PC6.</b> Compliances of all inspection points & prepare inspection report.                   | 5            | 5               | -             | -          |
| <i>Documentation</i>  | <b>12</b>    | <b>13</b>       | -             | -          |
| <b>PC7.</b> Preparation & maintenance of documents as per inspection process.                   | 7            | 8               | -             | -          |
| <b>PC8.</b> Providing the inspection report to concerned officials.                             | 5            | 5               | -             | -          |
| <b>NOS Total</b>  | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |   |
|----------------------------|---|
| <b>NOS Code</b>            | SSD/VSQ/N0208                                 |
| <b>NOS Name</b>            | Advance Scaffold Inspection and Documentation |
| <b>Sector</b>              | Cross Sectoral                                |
| <b>Sub-Sector</b>          |   |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT          |
| <b>NSQF Level</b>          | 5   |
| <b>Credits</b>             | 4   |
| <b>Version</b>             | 1.0   |
| <b>Last Reviewed Date</b>  | 31/01/2024                                    |
| <b>Next Review Date</b>    | 31/01/2027                                    |
| <b>NSQF Clearance Date</b> | 31/01/2024                                    |



## Qualification Pack

# SSD/VSQ/N0209: Advance International Practices and Designs in Scaffoldings

## Description

The NOS describes the knowledge & skills required by the professionals about the international practices in drawings, designs of scaffolds and various codal provisions followed in designing of scaffolds, specifications given.

## Scope

The scope covers the following :

- International practices in design of scaffolds.
- International standard, codes & drawings in scaffolding .
- Inspection & documents preparation in inspection.

## Elements and Performance Criteria

### *Standards and Design of Scaffoldings*

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

- PC1.** • Basic working of design details of scaffold as per following international codes and practices.
- BS EN-12810, 11, 12, EN 74
  - NASC - TG20-13
  - SG4-10, SG6
  - OSHA, USA (29 CFR 1926.451)
- PC2.** • International best practices followed in following countries or regions and industry standards.
- UK or Europe
  - USA
  - Australia
  - Gulf Countries
- PC3.** Checking of design details of scaffold as per international design standards.

### *Drawings and International Practices*

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

- PC4.** Read, understand, and interpret the international scaffold drawings.
- PC5.** Helping in preparations of Scaffold drawings as per international convention and practices.

### *Inspection and Documents Preparation*

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

- PC6.** Preparation and carry out inspection as per concerned codes and practices
- PC7.** Preparation of documents as per practice in concerned region and reporting.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Types of scaffoldings & its components.



## Qualification Pack

- KU2.** Load calculation, safety provisions as per international practice.
- KU3.** Design practices as per international codes.
- KU4.** Design checks of scaffolds as per international practices & convention.
- KU5.** Scaffold drawings as per international concept & practices.
- KU6.** Protections to be provided in the scaffold.
- KU7.** Requirements of ladders/temporary ladders.
- KU8.** Design & drawing software operation.
- KU9.** Knowledge of safety rules, safety measures, precautions and safety violating actions.
- KU10.** Inspection process & documents preparation.
- KU11.** Reporting process of inspection report

### Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Standards and Design of Scaffolds</i>  | <b>25</b>    | <b>25</b>       | -             | -          |
| <b>PC1.</b> <ul style="list-style-type: none"> <li>Basic working of design details of scaffold as per following international codes and practices.</li> <li>BS EN-12810, 11, 12, EN 74</li> <li>NASC - TG20-13</li> <li>SG4-10, SG6</li> <li>OSHA, USA (29 CFR 1926.451)</li> </ul> | 10           | 10              | -             | -          |
| <b>PC2.</b> <ul style="list-style-type: none"> <li>International best practices followed in following countries or regions and industry standards.</li> <li>UK or Europe</li> <li>USA</li> <li>Australia</li> <li>Gulf Countries</li> </ul>   | 8            | 7               | -             | -          |
| <b>PC3.</b> Checking of design details of scaffold as per international design standards.   | 7            | 8               | -             | -          |
| <i>Drawings and International Practices</i>   | <b>13</b>    | <b>12</b>       | -             | -          |
| <b>PC4.</b> Read, understand, and interpret the international scaffold drawings.  | 8            | 7               | -             | -          |
| <b>PC5.</b> Helping in preparations of Scaffold drawings as per international convention and practices.   | 5            | 5               | -             | -          |
| <i>Inspection and Documents Preparation</i>   | <b>12</b>    | <b>13</b>       | -             | -          |
| <b>PC6.</b> Preparation and carry out inspection as per concerned codes and practices   | 7            | 8               | -             | -          |
| <b>PC7.</b> Preparation of documents as per practice in concerned region and reporting.   | 5            | 5               | -             | -          |
| <b>NOS Total</b>  | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |   |
|----------------------------|---|
| <b>NOS Code</b>            | SSD/VSQ/N0209   |
| <b>NOS Name</b>            | Advance International Practices and Designs in Scaffoldings |
| <b>Sector</b>              | Cross Sectoral  |
| <b>Sub-Sector</b>          |   |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT                        |
| <b>NSQF Level</b>          | 5   |
| <b>Credits</b>             | 3   |
| <b>Version</b>             | 1.0   |
| <b>Last Reviewed Date</b>  | 31/01/2024  |
| <b>Next Review Date</b>    | 31/01/2027  |
| <b>NSQC Clearance Date</b> | 31/01/2024  |



## Qualification Pack

# SSD/VSQ/N0210: Plan, Organize & Monitor

## Description

The NOS describes the knowledge & skills required by the professionals about planning, organizing, and monitoring of their work to provide the expected outcomes efficiently & ensuring quality of the work.

## Scope

The scope covers the following :

- Planning of resources for own work and communication to concerned subordinates, co-workers, and superiors.
- Provide necessary support to subordinates, co-ordinate with co-workers and consult with superiors and other teams .
- Monitor progress of work and adjust, manage, or project requirements on time.

## Elements and Performance Criteria

### *Planning of Work*

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

- PC1.** Planning of resources, schedules, and timelines as per work timelines given by superiors.
- PC2.** Communicating to concerned co-workers & superiors.
- PC3.** Tasking to subordinates as per task & timelines.

### *Organizing of Work*

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

- PC4.** Resource collection and provisioning.
- PC5.** Understanding hierarchy of the organization and communicating to concerned co-workers & superiors.
- PC6.** Briefing to subordinates about the schedule, sequence, timing & resources to subordinates.

### *Monitoring of Work*

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

- PC7.** Monitoring progress of work, management of resources, guidance to subordinates.
- PC8.** Reporting to superiors and keeping the other teams informed.
- PC9.** Documentations & compliances and report submission.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Task, roles & responsibility of own and subordinates.
- KU2.** Planning timelines of task, sequence, and resources deployment for the task.
- KU3.** Roles & tasks of co-workers & other teams working for the same task.
- KU4.** Instruction, advice, briefing and resource allocation to subordinates.



## Qualification Pack

- KU5.** Communication to co-workers, other teams & superiors for the work.
- KU6.** Organizing tools, equipment, materials & other resources on time as per timelines & tasks.
- KU7.** Providing technical support to his team & subordinates.
- KU8.** Planning & monitoring tools & software and its operation.
- KU9.** Complexities, priorities & severity of the task.
- KU10.** Report preparation & reporting methods as per organizational hierarchy & reports submission.

## Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes   | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Planning of Work</i>  | <b>18</b>    | <b>17</b>       | -             | -          |
| <b>PC1.</b> Planning of resources, schedules, and timelines as per work timelines given by superiors.          | 8            | 7               | -             | -          |
| <b>PC2.</b> Communicating to concerned co-workers & superiors.   | 5            | 5               | -             | -          |
| <b>PC3.</b> Tasking to subordinates as per task & timelines.   | 5            | 5               | -             | -          |
| <i>Organizing of Work</i>  | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC4.</b> Resource collection and provisioning.  | 5            | 5               | -             | -          |
| <b>PC5.</b> Understanding hierarchy of the organization and communicating to concerned co-workers & superiors. | 5            | 5               | -             | -          |
| <b>PC6.</b> Briefing to subordinates about the schedule, sequence, timing & resources to subordinates.         | 5            | 5               | -             | -          |
| <i>Monitoring of Work</i>  | <b>17</b>    | <b>18</b>       | -             | -          |
| <b>PC7.</b> Monitoring progress of work, management of resources, guidance to subordinates.                    | 7            | 8               | -             | -          |
| <b>PC8.</b> Reporting to superiors and keeping the other teams informed.                                       | 5            | 5               | -             | -          |
| <b>PC9.</b> Documentations & compliances and report submission.  | 5            | 5               | -             | -          |
| <b>NOS Total</b>   | <b>50</b>    | <b>50</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>NOS Code</b>            | SSD/VSQ/N0210                        |
| <b>NOS Name</b>            | Plan, Organize & Monitor             |
| <b>Sector</b>              | Cross Sectoral                       |
| <b>Sub-Sector</b>          |                                      |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT |
| <b>NSQF Level</b>          | 4.5                                  |
| <b>Credits</b>             | 2                                    |
| <b>Version</b>             | 1.0                                  |
| <b>Last Reviewed Date</b>  | 31/01/2024                           |
| <b>Next Review Date</b>    | 31/01/2027                           |
| <b>NSQC Clearance Date</b> | 31/01/2024                           |



## Qualification Pack

# SSD/VSQ/N0206: Work with Safety, Health and Environment

## Description

The NOS describes the knowledge and skills required by the professionals to ensure personal and co-worker safety, health & environmental protocols and measures while carrying out work or inspection.

## Scope

The scope covers the following :

- Safety measures to minimize any incident or accidents, use of personal safety equipment and emergency drills.
- Healthy habits, maintenance of clean and healthy area and healthy working relation among co workers and subordinate.
- Safe disposal of waste materials to minimize adverse effect on environment and reuse.

## Elements and Performance Criteria

### *Safety measures to minimize incidents or accidents at workplace*

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

- PC1.** Identification of risks & hazards and emergency protocols at work site.
- PC2.** Emergency evacuations processes in case of accidents, fires, or emergencies.
- PC3.** Use of personal protective Equipments by self & subordinates/co-workers.
- PC4.** Storing & handling of tools, equipment & materials as per safety guidelines

### *Health of personnel & Work environment*

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

- PC5.** Identification of health hazards issues and area at work site.
- PC6.** Ensuring of healthy and working area free from health hazards.
- PC7.** Use of earmarked sanitation area & facilities.
- PC8.** Ensuring good personal hygiene, sanitation habits, cleanliness, and safe disposal of wastes.
- PC9.** Briefing subordinates on health, sanitation & cleanliness.
- PC10.** Maintain healthy, easy, helping, and stress-free working environment among co-workers & subordinates.

### *Environment & disposal of waste*

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

- PC11.** Taking measures & methods to minimize waste of materials.
- PC12.** Carrying waste & left-over materials as per protocol & in earmarked area for re-use & disposal.
- PC13.** Minimum use of non-disposable plastic material and proper disposal.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:



## Qualification Pack

- KU1.** Risks involved while working, health hazards and working environment.
- KU2.** Safety, Health & Environmental protocols.
- KU3.** Proper use personal protective Equipments.
- KU4.** Emergency protocols, warning drill of emergencies & evacuation area & drills.
- KU5.** Practice & mock drills for emergencies and frequencies.
- KU6.** Warning methodology in case of accidents & emergencies.
- KU7.** Measures to be ensured to maintain healthy work environment.
- KU8.** Clean & good personal sanitation habits and cleanliness
- KU9.** Measures to ensure healthy work site, premises.
- KU10.** Safe disposal method & area for wastes.
- KU11.** Display methods of warnings & information for safety.
- KU12.** Location of evacuation during accidents or incidents.

### Generic Skills (GS)

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

- GS1.** Effectively read, write and comprehend diverse languages.
- GS2.** Effectively communicate in the local language.
- GS3.** Apply Basic mathematics operations and ,methods of operating mathematical tools.
- GS4.** Plan and organize resource optimization.
- GS5.** Efficiently manage administrative tasks, make decisions, and resolve conflicts.
- GS6.** Understand & adhere to instructions related to safety protocols.
- GS7.** Use of personal protective equipment



## Qualification Pack

### Assessment Criteria

| Assessment Criteria for Outcomes   | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Safety measures to minimize incidents or accidents at workplace</i>   | <b>18</b>    | <b>17</b>       | -             | -          |
| <b>PC1.</b> Identification of risks & hazards and emergency protocols at work site.                                | 5            | 5               | -             | -          |
| <b>PC2.</b> Emergency evacuations processes in case of accidents, fires, or emergencies.                           | 5            | 5               | -             | -          |
| <b>PC3.</b> Use of personal protective Equipments by self & subordinates/co-workers.                               | 5            | 5               | -             | -          |
| <b>PC4.</b> Storing & handling of tools, equipment & materials as per safety guidelines                            | 3            | 2               | -             | -          |
| <i>Health of personnel &amp; Work environment</i>  | <b>17</b>    | <b>18</b>       | -             | -          |
| <b>PC5.</b> Identification of health hazards issues and area at work site.   | 3            | 3               | -             | -          |
| <b>PC6.</b> Ensuring of healthy and working area free from health hazards.   | 3            | 3               | -             | -          |
| <b>PC7.</b> Use of earmarked sanitation area & facilities.   | 3            | 3               | -             | -          |
| <b>PC8.</b> Ensuring good personal hygiene, sanitation habits, cleanliness, and safe disposal of wastes.           | 3            | 3               | -             | -          |
| <b>PC9.</b> Briefing subordinates on health, sanitation & cleanliness.   | 3            | 3               | -             | -          |
| <b>PC10.</b> Maintain healthy, easy, helping, and stress-free working environment among co-workers & subordinates. | 2            | 3               | -             | -          |
| <i>Environment &amp; disposal of waste</i>   | <b>15</b>    | <b>15</b>       | -             | -          |
| <b>PC11.</b> Taking measures & methods to minimize waste of materials.   | 5            | 5               | -             | -          |
| <b>PC12.</b> Carrying waste & left-over materials as per protocol & in earmarked area for re-use & disposal.       | 5            | 5               | -             | -          |
| <b>PC13.</b> Minimum use of non-disposable plastic material and proper disposal.                                   | 5            | 5               | -             | -          |



## Qualification Pack

| Assessment Criteria for Outcomes | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|----------------------------------|--------------|-----------------|---------------|------------|
| <b>NOS Total</b>                 | <b>50</b>    | <b>50</b>       | <b>-</b>      | <b>-</b>   |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |  |
|----------------------------|--|
| <b>NOS Code</b>            | SSD/VSQ/N0206                            |
| <b>NOS Name</b>            | Work with Safety, Health and Environment |
| <b>Sector</b>              | Cross Sectoral                           |
| <b>Sub-Sector</b>          |  |
| <b>Occupation</b>          | SCAFFOLDING ENGINEERING & MANAGEMENT     |
| <b>NSQF Level</b>          | 4.5                                      |
| <b>Credits</b>             | 2  |
| <b>Version</b>             | 1.0                                      |
| <b>Last Reviewed Date</b>  | 31/01/2024                               |
| <b>Next Review Date</b>    | 31/01/2027                               |
| <b>NSQC Clearance Date</b> | 31/01/2024                               |



## Qualification Pack

### DGT/VSQ/N0102: Employability Skills (60 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
- Career Development & Goal Setting
- 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.** identify employability skills required for jobs in various industries
- PC2.** identify and explore learning and employability portals

##### *Constitutional values - Citizenship*

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

- PC3.** recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.
- PC4.** follow environmentally sustainable practices

##### *Becoming a Professional in the 21st Century*

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

- PC5.** recognize the significance of 21st Century Skills for employment
- PC6.** practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

##### *Basic English Skills*

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



## Qualification Pack

- PC7.** use basic English for everyday conversation in different contexts, in person and over the telephone
- PC8.** read and understand routine information, notes, instructions, mails, letters etc. written in English
- PC9.** write short messages, notes, letters, e-mails etc. in English

### *Career Development & Goal Setting*

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

- PC10.** understand the difference between job and career
- PC11.** prepare a career development plan with short- and long-term goals, based on aptitude

### *Communication Skills*

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

- PC12.** follow verbal and non-verbal communication etiquette and active listening techniques in various settings
- PC13.** work collaboratively with others in a team

### *Diversity & Inclusion*

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

- PC14.** communicate and behave appropriately with all genders and PwD
- PC15.** escalate any issues related to sexual harassment at workplace according to POSH Act

### *Financial and Legal Literacy*

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

- PC16.** select financial institutions, products and services as per requirement
- PC17.** carry out offline and online financial transactions, safely and securely
- PC18.** identify common components of salary and compute income, expenses, taxes, investments etc
- PC19.** identify relevant rights and laws and use legal aids to fight against legal exploitation

### *Essential Digital Skills*

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

- PC20.** operate digital devices and carry out basic internet operations securely and safely
- PC21.** use e- mail and social media platforms and virtual collaboration tools to work effectively
- PC22.** use basic features of word processor, spreadsheets, and presentations

### *Entrepreneurship*

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

- PC23.** identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research
- PC24.** develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion
- PC25.** identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

### *Customer Service*

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

- PC26.** identify different types of customers
- PC27.** identify and respond to customer requests and needs in a professional manner.



## Qualification Pack

**PC28.** follow appropriate hygiene and grooming standards

*Getting ready for apprenticeship & Jobs*

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

**PC29.** create a professional Curriculum vitae (Résumé)

**PC30.** search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively

**PC31.** apply to identified job openings using offline /online methods as per requirement

**PC32.** answer questions politely, with clarity and confidence, during recruitment and selection

**PC33.** identify apprenticeship opportunities and register for it as per guidelines and requirements

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills and different learning and employability related portals

**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 English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

**KU6.** importance of career development and setting long- and short-term goals

**KU7.** about effective communication

**KU8.** POSH Act

**KU9.** Gender sensitivity and inclusivity

**KU10.** different types of financial institutes, products, and services

**KU11.** how to compute income and expenditure

**KU12.** importance of maintaining safety and security in offline and online financial transactions

**KU13.** different legal rights and laws

**KU14.** different types of digital devices and the procedure to operate them safely and securely

**KU15.** how to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

**KU16.** how to identify business opportunities

**KU17.** types and needs of customers

**KU18.** how to apply for a job and prepare for an interview

**KU19.** apprenticeship scheme and the process of registering on apprenticeship portal

## Generic Skills (GS)

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

**GS1.** read and write different types of documents/instructions/correspondence

**GS2.** communicate effectively using appropriate language in formal and informal settings



## Qualification Pack

- GS3.** behave politely and appropriately with all
- GS4.** how to work in a virtual mode
- GS5.** perform calculations efficiently
- GS6.** solve problems effectively
- GS7.** pay attention to details
- GS8.** manage time efficiently
- GS9.** maintain hygiene and sanitization 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>  | <b>1</b>     | <b>1</b>        | -             | -          |
| <b>PC1.</b> identify employability skills required for jobs in various industries  | -            | -               | -             | -          |
| <b>PC2.</b> identify and explore learning and employability portals  | -            | -               | -             | -          |
| <i>Constitutional values - Citizenship</i>   | <b>1</b>     | <b>1</b>        | -             | -          |
| <b>PC3.</b> recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.   | -            | -               | -             | -          |
| <b>PC4.</b> follow environmentally sustainable practices   | -            | -               | -             | -          |
| <i>Becoming a Professional in the 21st Century</i>   | <b>2</b>     | <b>4</b>        | -             | -          |
| <b>PC5.</b> recognize the significance of 21st Century Skills for employment   | -            | -               | -             | -          |
| <b>PC6.</b> practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life | -            | -               | -             | -          |
| <i>Basic English Skills</i>  | <b>2</b>     | <b>3</b>        | -             | -          |
| <b>PC7.</b> use basic English for everyday conversation in different contexts, in person and over the telephone  | -            | -               | -             | -          |
| <b>PC8.</b> read and understand routine information, notes, instructions, mails, letters etc. written in English   | -            | -               | -             | -          |
| <b>PC9.</b> write short messages, notes, letters, e-mails etc. in English  | -            | -               | -             | -          |
| <i>Career Development &amp; Goal Setting</i>   | <b>1</b>     | <b>2</b>        | -             | -          |



## Qualification Pack

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <b>PC10.</b> understand the difference between job and career   | -            | -               | -             | -          |
| <b>PC11.</b> prepare a career development plan with short- and long-term goals, based on aptitude                     | -            | -               | -             | -          |
| <i>Communication Skills</i>   | <b>2</b>     | <b>2</b>        | -             | -          |
| <b>PC12.</b> follow verbal and non-verbal communication etiquette and active listening techniques in various settings | -            | -               | -             | -          |
| <b>PC13.</b> work collaboratively with others in a team   | -            | -               | -             | -          |
| <i>Diversity &amp; Inclusion</i>  | <b>1</b>     | <b>2</b>        | -             | -          |
| <b>PC14.</b> communicate and behave appropriately with all genders and PwD  | -            | -               | -             | -          |
| <b>PC15.</b> escalate any issues related to sexual harassment at workplace according to POSH Act                      | -            | -               | -             | -          |
| <i>Financial and Legal Literacy</i>   | <b>2</b>     | <b>3</b>        | -             | -          |
| <b>PC16.</b> select financial institutions, products and services as per requirement                                  | -            | -               | -             | -          |
| <b>PC17.</b> carry out offline and online financial transactions, safely and securely                                 | -            | -               | -             | -          |
| <b>PC18.</b> identify common components of salary and compute income, expenses, taxes, investments etc                | -            | -               | -             | -          |
| <b>PC19.</b> identify relevant rights and laws and use legal aids to fight against legal exploitation                 | -            | -               | -             | -          |
| <i>Essential Digital Skills</i>   | <b>3</b>     | <b>4</b>        | -             | -          |
| <b>PC20.</b> operate digital devices and carry out basic internet operations securely and safely                      | -            | -               | -             | -          |
| <b>PC21.</b> use e- mail and social media platforms and virtual collaboration tools to work effectively               | -            | -               | -             | -          |
| <b>PC22.</b> use basic features of word processor, spreadsheets, and presentations                                    | -            | -               | -             | -          |



## Qualification Pack

| Assessment Criteria for Outcomes   | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Entrepreneurship</i>  | <b>2</b>     | <b>3</b>        | -             | -          |
| <b>PC23.</b> identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research                                       | -            | -               | -             | -          |
| <b>PC24.</b> develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion  | -            | -               | -             | -          |
| <b>PC25.</b> identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity   | -            | -               | -             | -          |
| <i>Customer Service</i>  | <b>1</b>     | <b>2</b>        | -             | -          |
| <b>PC26.</b> identify different types of customers   | -            | -               | -             | -          |
| <b>PC27.</b> identify and respond to customer requests and needs in a professional manner.   | -            | -               | -             | -          |
| <b>PC28.</b> follow appropriate hygiene and grooming standards   | -            | -               | -             | -          |
| <i>Getting ready for apprenticeship &amp; Jobs</i>   | <b>2</b>     | <b>3</b>        | -             | -          |
| <b>PC29.</b> create a professional Curriculum vitae (Résumé)   | -            | -               | -             | -          |
| <b>PC30.</b> search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively | -            | -               | -             | -          |
| <b>PC31.</b> apply to identified job openings using offline /online methods as per requirement   | -            | -               | -             | -          |
| <b>PC32.</b> answer questions politely, with clarity and confidence, during recruitment and selection  | -            | -               | -             | -          |
| <b>PC33.</b> identify apprenticeship opportunities and register for it as per guidelines and requirements  | -            | -               | -             | -          |
| <b>NOS Total</b>   | <b>20</b>    | <b>30</b>       | -             | -          |



## Qualification Pack

### National Occupational Standards (NOS) Parameters

|                            |                                 |
|----------------------------|---------------------------------|
| <b>NOS Code</b>            | DGT/VSQ/N0102                   |
| <b>NOS Name</b>            | Employability Skills (60 Hours) |
| <b>Sector</b>              | Cross Sectoral                  |
| <b>Sub-Sector</b>          | Professional Skills             |
| <b>Occupation</b>          | Employability                   |
| <b>NSQF Level</b>          | 4                               |
| <b>Credits</b>             | 2                               |
| <b>Version</b>             | 1.0                             |
| <b>Last Reviewed Date</b>  | 24/02/2022                      |
| <b>Next Review Date</b>    | 24/02/2025                      |
| <b>NSQC Clearance Date</b> | 24/02/2022                      |

## Assessment Guidelines and Assessment Weightage

### Assessment Guidelines

1. The assessment criteria given in the Qualification Pack Inspector (Advance Scaffold) by the SSDF.
2. Assessments can be carried out with pen-paper as well as online.
3. Assessment will be carried by certified assessor and affiliated Assessment Agency only.
4. Each NOS for its Performance Criteria (PC) has been assigned marks proportional to its importance. Proportion of marks for Theory and Practical has been marked NOS wise.
5. Questions on practical & theory will be formed in such a way as to provide outcome on maximum Performance Criteria and in proportional way within the NOS.
6. The assessment for the theory part will be based on written questions (short question, multiple choice & viva, or a combination of them) created/approved by the SSDF.
7. The assessment for the practical part will be based on practical conducted for trainees. In case of remote/on-line assessments, the practical's can be carried through proctors or practical questions formulated based on pictorially represented logical questions (based on pictures of practical & logical steps) created/approved by the SSDF.



## Qualification Pack

8. The passing and grading criteria of each NOS & cumulative for QP will be as follows:-

a. 70% or more than 70% - Grade A

b. 60% or more than 60% but less than 70% - Grade B

c. 50% or more than 50% but less than 60% - Grade C

d. Less than 50% - Grade Fail

e. If an individual gets less than 50% and 35% or more in one NOS and; overall, 50% or more; individual will be considered pass with grade "C" irrespective of overall marks.

f. Individuals getting less than 50% in more than one NOS and getting overall marks 50% or more in QP will be put in grade Fail.

9. Assessment will be for complete QP and the trainees can be given additional chance to appear in re-assessment for improvements, based on decision by SSDF.

10. In case a trainee fails in one or two NOSs, re-assessments in the failing NOSs can be allowed in the next 3 months from the date of publication of results. Otherwise, the failed candidate will have to re-appear in all NOSs.

11. Minimum overall duration of assessment will be six hours.

### Minimum Aggregate Passing % at QP Level : 50

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

### Minimum Passing % at NOS Level: 50

**(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 |
|---|--------------|-----------------|---------------|------------|-------------|-----------|
| SSD/VSQ/N0211.Scaffoldings & Specifications | 50           | 50              | 0             | 0          | 100         | 17        |
| SSD/VSQ/N0212.Scaffold Drawings and Designs | 50           | 50              | 0             | 0          | 100         | 9         |



## Qualification Pack

| National Occupational Standards   | Theory Marks | Practical Marks | Project Marks | Viva Marks | Total Marks | Weightage  |
|---|--------------|-----------------|---------------|------------|-------------|------------|
| SSD/VSQ/N0207.Advance Scaffold Design                                     | 50           | 50              | 0             | 0          | 100         | 13         |
| SSD/VSQ/N0208.Advance Scaffold Inspection and Documentation               | 50           | 50              | 0             | 0          | 100         | 16         |
| SSD/VSQ/N0209.Advance International Practices and Designs in Scaffoldings | 50           | 50              | 0             | 0          | 100         | 18         |
| SSD/VSQ/N0210.Plan, Organize & Monitor                                    | 50           | 50              | 0             | 0          | 100         | 9          |
| SSD/VSQ/N0206.Work with Safety, Health and Environment                    | 50           | 50              | 0             | 0          | 100         | 9          |
| DGT/VSQ/N0102.Employability Skills (60 Hours)                             | 20           | 30              | -             | -          | 50          | 9          |
| <b>Total</b>  | <b>370</b>   | <b>380</b>      | <b>-</b>      | <b>-</b>   | <b>750</b>  | <b>100</b> |



## Qualification Pack

### Acronyms

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



## Qualification Pack

### Glossary

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



## Qualification Pack

|   |  |
|---|--|
| <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.   |
| <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.  |