



## Qualification Pack



# Khalasi (Assistant Rigger)

QP Code: CON/Q0701

Version: 3.0

NSQF Level: 3

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## Qualification Pack

### CON/Q0701: Khalasi (Assistant Rigger)

#### Brief Job Description

A Khalasi (Assistant Rigger) is responsible for shifting and preparing the surface of heavy structural steel/ Reinforced Cement Concrete (RCC) precast units, laying concrete pump lines, assisting in the erection of staging for heavy RCC structures, and pile foundation by using appropriate rigging gear, hand tools at construction site. The individual works under supervision.

#### Personal Attributes

The individual should be physically fit to work for long durations in varying environments. The person should be able to work coordinately within a team and as per the given instructions. The individual should have appropriate verbal and written communication skills.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

- [1. CON/N0701: Shift RCC precast/ structural steel units at construction sites](#)
- [2. CON/N0702: Prepare the surface of RCC precast units or structural steel units](#)
- [3. CON/N0703: Lay and dismantle concrete pump-line](#)
- [4. CON/N0704: Assist in carrying out staging for heavy RCC work](#)
- [5. CON/N0705: Assist in in-situ RCC piling work](#)
- [6. CON/N8001: Work effectively in a team to deliver desired results at the workplace](#)
- [7. CON/N9001: Work according to personal health, safety and environment protocols at construction site](#)
- [8. DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging



## Qualification Pack

<b>Country</b>	India
<b>NSQF Level</b>	3
<b>Credits</b>	12
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/7215.0100
<b>Minimum Educational Qualification &amp; Experience</b>	10th Class OR 8th grade pass (with 2-year of (NTC/ NAC) after 8th) OR 9th grade pass with 1 Year of experience in the relevant field OR 8th grade pass with 2 Years of experience in the relevant field OR 5th grade pass with 5 Years of experience in the relevant field OR Previous relevant Qualification of NSQF Level (2) with 3 Years of experience in the relevant field OR Previous relevant Qualification of NSQF Level (2.5 with 1.5 Years of experience in the relevant field)
<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>	31/08/2026
<b>NSQC Approval Date</b>	31/08/2023
<b>Version</b>	3.0
<b>Reference code on NQR</b>	QG-03-CO-00810-2023-V2-CSDCI
<b>NQR Version</b>	1



## Qualification Pack

# CON/N0701: Shift RCC precast/ structural steel units at construction sites

## Description

This unit is about shifting RCC Precast / Structural Steel units at construction sites

## Scope

The scope covers the following :

- Select the appropriate rigging gear, hand tools and PPEs
- Prepare for lifting operations
- Shift RCC precast units or steel components

## Elements and Performance Criteria

### *Select the appropriate rigging gear, hand tools and PPEs*

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

- PC1.** select the appropriate hand tools, rigging gear and Personal Protection Equipment (PPE) for lifting and shifting heavy material at construction sites
- PC2.** check the hand tools, rigging gear and PPE for their usability and perform basic repair and maintenance, as appropriate
- PC3.** identify the faults requiring expert assistance and coordinate with the supervisor to resolve them
- PC4.** identify and store the faulty rigging gear separately as per the given instructions

### *Prepare for lifting operations*

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

- PC5.** identify and remove obstructions from the lifting equipment operation area, and report conditions that are unsafe for material lifting and shifting
- PC6.** check the suitability of loading and unloading area to ensure safe loading and unloading of heavy loads
- PC7.** prepare the loads for lifting as per the supervisor's instructions
- PC8.** assist in the use of earth moving equipment or compactors to prepare the base for heavy lifting equipment

### *Shift RCC precast units or steel components*

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

- PC9.** assist in checking and ensuring the presence of safety signage, illumination, barricading at the route of material shifting as per the agreed work plan
- PC10.** place the prescribed supports, frames, blocking and cushioning on the deck of transporting vehicle as per instructions to prevent damage to the units during transit
- PC11.** anchor units to the appropriate locations and hook up with the prescribed lifting equipment by using slings, shackles, ropes or lifting hooks, and secure to prevent slipping or deflection
- PC12.** assist in loading precast or structural steel units in the transporting vehicle as per the supervisor's instructions



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- PC13.** assist in controlling the position of suspended loads during shifting by using tag lines and relevant equipment
- PC14.** assist in offloading units from vehicle to ground at the point of heavy lifting
- PC15.** place suitable materials, such as wooden sleepers and stools on the base as per the given instruction to create ground clearance for the materials and provision for further lifting
- PC16.** assist in placing and de-slinging material on the sleepers safely as per the given instructions

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard procedure for construction rigging work
- KU2.** the applicable safety regulations concerning construction rigging
- KU3.** the importance of personal protection and the use of relevant safety gear and equipment
- KU4.** the safe working methods and movements while performing rigging activities
- KU5.** the process of shifting and stacking heavy structural members
- KU6.** different units of linear measurement
- KU7.** the selection and use of rigging gears and tools, such as pulley, chain block, slings, heavy lifting chains, shackles, hooks, ropes, etc
- KU8.** how to interpret signage during erection procedures
- KU9.** the procedures for attaching slings to load directly or using lifting gears
- KU10.** the hand signals used for load lifting operations
- KU11.** the dos and don'ts for carrying out rigging operations at construction sites
- KU12.** the importance of barricading the lifting area and maintaining appropriate distance from the load
- KU13.** the safe posture of load lifting equipment while lifting load

## Generic Skills (GS)

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

- GS1.** maintain the appropriate data and records
- GS2.** read the appropriate reports and literature concerning the field of work
- GS3.** communicate professionally with all the stakeholders
- GS4.** listen attentively to understand the information/ instructions being shared and take appropriate action
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and execute tasks based on priority
- GS7.** identify possible disruptions to work and take appropriate mitigation measures
- GS8.** take prompt action to deal with workplace emergencies and accidents
- GS9.** evaluate all possible solutions to work-related problems and select the best one
- GS10.** follow the recommended practices for the timely completion of work and achievement of organizational objectives



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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Select the appropriate rigging gear, hand tools and PPEs</i>	<b>9</b>	<b>25</b>	-	<b>4</b>
<b>PC1.</b> select the appropriate hand tools, rigging gear and Personal Protection Equipment (PPE) for lifting and shifting heavy material at construction sites	-	-	-	-
<b>PC2.</b> check the hand tools, rigging gear and PPE for their usability and perform basic repair and maintenance, as appropriate	-	-	-	-
<b>PC3.</b> identify the faults requiring expert assistance and coordinate with the supervisor to resolve them	-	-	-	-
<b>PC4.</b> identify and store the faulty rigging gear separately as per the given instructions	-	-	-	-
<i>Prepare for lifting operations</i>	<b>10</b>	<b>20</b>	-	<b>3</b>
<b>PC5.</b> identify and remove obstructions from the lifting equipment operation area, and report conditions that are unsafe for material lifting and shifting	-	-	-	-
<b>PC6.</b> check the suitability of loading and unloading area to ensure safe loading and unloading of heavy loads	-	-	-	-
<b>PC7.</b> prepare the loads for lifting as per the supervisor's instructions	-	-	-	-
<b>PC8.</b> assist in the use of earth moving equipment or compactors to prepare the base for heavy lifting equipment	-	-	-	-
<i>Shift RCC precast units or steel components</i>	<b>11</b>	<b>15</b>	-	<b>3</b>
<b>PC9.</b> assist in checking and ensuring the presence of safety signage, illumination, barricading at the route of material shifting as per the agreed work plan	-	-	-	-



## Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> place the prescribed supports, frames, blocking and cushioning on the deck of transporting vehicle as per instructions to prevent damage to the units during transit	-	-	-	-
<b>PC11.</b> anchor units to the appropriate locations and hook up with the prescribed lifting equipment by using slings, shackles, ropes or lifting hooks, and secure to prevent slipping or deflection	-	-	-	-
<b>PC12.</b> assist in loading precast or structural steel units in the transporting vehicle as per the supervisor's instructions	-	-	-	-
<b>PC13.</b> assist in controlling the position of suspended loads during shifting by using tag lines and relevant equipment	-	-	-	-
<b>PC14.</b> assist in offloading units from vehicle to ground at the point of heavy lifting	-	-	-	-
<b>PC15.</b> place suitable materials, such as wooden sleepers and stools on the base as per the given instruction to create ground clearance for the materials and provision for further lifting	-	-	-	-
<b>PC16.</b> assist in placing and de-slinging material on the sleepers safely as per the given instructions	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>60</b>	<b>-</b>	<b>10</b>





## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0701
<b>NOS Name</b>	Shift RCC precast/ structural steel units at construction sites
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging
<b>NSQF Level</b>	3.0
<b>Credits</b>	2
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

# CON/N0702: Prepare the surface of RCC precast units or structural steel units

## Description

This unit is about preparing the surface of RCC precast units or structural steel units before erection

## Scope

The scope covers the following :

- Carry out abrasive blasting to structural steel and precast RCC sections
- Carry out epoxy gluing in segmental RCC precast construction work

## Elements and Performance Criteria

### *Carry out abrasive blasting to structural steel and precast RCC sections*

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

- PC1.** check the surroundings as per the given instructions to ensure safe conditions for sandblasting and assist in erecting appropriate protection, as required
- PC2.** adjust the air compressor and sandblaster gauges to the correct or desired pressure, as instructed
- PC3.** connect the compressor and blasting equipment safely before undertaking the blasting activity
- PC4.** carry out sandblasting as per the given instructions and clean the unwanted substances from the RCC or metal surface

### *Carry out epoxy gluing in segmental RCC precast construction work*

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

- PC5.** clean dust, laitance, unwanted articles from the joints between RCC precast components where gluing is to be done
- PC6.** prepare glue-mix following the given instructions
- PC7.** apply glue to the concrete surface as per the specification or instructions using the suitable means of application

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the procedure of handling sand blasting gun
- KU2.** different abrasives used in sandblasting and their physical properties
- KU3.** the use of relevant PPE, such as protective jacket, ear plugs, goggles, gloves during sandblasting work
- KU4.** the procedure for carrying out sandblasting and wire brushing
- KU5.** the properties of epoxy bonding agent
- KU6.** the appropriate temperature for the application of epoxy bonding agent



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**KU7.** the process of applying epoxy bonding agent

### Generic Skills (GS)

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

- GS1.** maintain the appropriate data and records
- GS2.** read the appropriate reports and literature concerning the field of work
- GS3.** communicate professionally with all the stakeholders
- GS4.** listen attentively to understand the information/ instructions being shared and take appropriate action
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and execute tasks based on priority
- GS7.** identify possible disruptions to work and take appropriate mitigation measures
- GS8.** take prompt action to deal with workplace emergencies and accidents
- GS9.** evaluate all possible solutions to work-related problems and select the best one
- GS10.** follow the recommended practices for the timely completion of work and achievement of organizational objectives



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out abrasive blasting to structural steel and precast RCC sections</i>	<b>15</b>	<b>30</b>	-	<b>6</b>
<b>PC1.</b> check the surroundings as per the given instructions to ensure safe conditions for sandblasting and assist in erecting appropriate protection, as required	-	-	-	-
<b>PC2.</b> adjust the air compressor and sandblaster gauges to the correct or desired pressure, as instructed	-	-	-	-
<b>PC3.</b> connect the compressor and blasting equipment safely before undertaking the blasting activity	-	-	-	-
<b>PC4.</b> carry out sandblasting as per the given instructions and clean the unwanted substances from the RCC or metal surface	-	-	-	-
<i>Carry out epoxy gluing in segmental RCC precast construction work</i>	<b>15</b>	<b>30</b>	-	<b>4</b>
<b>PC5.</b> clean dust, laitance, unwanted articles from the joints between RCC precast components where gluing is to be done	-	-	-	-
<b>PC6.</b> prepare glue-mix following the given instructions	-	-	-	-
<b>PC7.</b> apply glue to the concrete surface as per the specification or instructions using the suitable means of application	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>60</b>	-	<b>10</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0702
<b>NOS Name</b>	Prepare the surface of RCC precast units or structural steel units
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging
<b>NSQF Level</b>	3.0
<b>Credits</b>	2
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

### CON/N0703: Lay and dismantle concrete pump-line

#### Description

This unit describes the skills and knowledge required to lay and dismantle pump-line for concreting

#### Scope

The scope covers the following :

- Shift, stack and clean pipe segments
- Lay, join and dismantle concrete pump-line

#### Elements and Performance Criteria

##### *Shift, stack and clean pipe segments*

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

- PC1.** conduct appropriate checks on pipe segments for their usability
- PC2.** shift and stack pipe segments at the appropriate location as per the given instructions
- PC3.** select and shift clamps and required hand tools to the work location as per instructions
- PC4.** clean the pipe segments before and during the concreting work as per the requirement

##### *Lay, join and dismantle concrete pump-line*

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

- PC5.** join pipe segments using appropriate clamps, turnbuckles, hand tools and supporting tools under supervision
- PC6.** construct working platforms at appropriate intervals for the maintenance of pump line
- PC7.** assist in lifting pipe segments at the required heights using rigging tools as per the work requirement
- PC8.** carry out ramming of external pipes to check continuity of flow of concrete during concreting work as per instructions
- PC9.** align pipelines providing required support at the identified locations to provide stability and water tightness
- PC10.** use standard bent pipes as per the instruction to ensure desired flow of concrete in the pipeline
- PC11.** join, cut, clean and realign pump lines according to the concreting work needs and the given instructions
- PC12.** dismantle and lower pump line safely, using the appropriate tool

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the selection and use of common lifting tools and tackles, e.g. pulley, chain block, slings, shackles, hooks, ropes, hammers etc
- KU2.** the standard procedure of laying and aligning concrete pump line



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- KU3.** how to clean concrete from pipe segments without damaging the same
- KU4.** the use of standard bent pipes
- KU5.** how to use clamps, safety chains, wire strops, anchor brackets, etc. to secure the concrete pipeline

## Generic Skills (GS)

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

- GS1.** maintain the appropriate data and records
- GS2.** read the appropriate reports and literature concerning the field of work
- GS3.** communicate professionally with all the stakeholders
- GS4.** listen attentively to understand the information/ instructions being shared and take appropriate action
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and execute tasks based on priority
- GS7.** identify possible disruptions to work and take appropriate mitigation measures
- GS8.** take prompt action to deal with workplace emergencies and accidents
- GS9.** evaluate all possible solutions to work-related problems and select the best one
- GS10.** follow the recommended practices for the timely completion of work and achievement of organizational objectives



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Shift, stack and clean pipe segments</i>	<b>16</b>	<b>29</b>	-	<b>4</b>
<b>PC1.</b> conduct appropriate checks on pipe segments for their usability	-	-	-	-
<b>PC2.</b> shift and stack pipe segments at the appropriate location as per the given instructions	-	-	-	-
<b>PC3.</b> select and shift clamps and required hand tools to the work location as per instructions	-	-	-	-
<b>PC4.</b> clean the pipe segments before and during the concreting work as per the requirement	-	-	-	-
<i>Lay, join and dismantle concrete pump-line</i>	<b>14</b>	<b>31</b>	-	<b>6</b>
<b>PC5.</b> join pipe segments using appropriate clamps, turnbuckles, hand tools and supporting tools under supervision	-	-	-	-
<b>PC6.</b> construct working platforms at appropriate intervals for the maintenance of pump line	-	-	-	-
<b>PC7.</b> assist in lifting pipe segments at the required heights using rigging tools as per the work requirement	-	-	-	-
<b>PC8.</b> carry out ramming of external pipes to check continuity of flow of concrete during concreting work as per instructions	-	-	-	-
<b>PC9.</b> align pipelines providing required support at the identified locations to provide stability and water tightness	-	-	-	-
<b>PC10.</b> use standard bent pipes as per the instruction to ensure desired flow of concrete in the pipeline	-	-	-	-
<b>PC11.</b> join, cut, clean and realign pump lines according to the concreting work needs and the given instructions	-	-	-	-
<b>PC12.</b> dismantle and lower pump line safely, using the appropriate tool	-	-	-	-





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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>NOS Total</b>	<b>30</b>	<b>60</b>	<b>-</b>	<b>10</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0703
<b>NOS Name</b>	Lay and dismantle concrete pump-line
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging
<b>NSQF Level</b>	3.0
<b>Credits</b>	2
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

### CON/N0704: Assist in carrying out staging for heavy RCC work

#### Description

This unit is about assisting in carrying out staging for heavy RCC work

#### Scope

The scope covers the following :

- Handle staging components
- Assist in erection and dismantling of staging

#### Elements and Performance Criteria

##### *Handle staging components*

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

- PC1.** select appropriate staging components, such as trestles, heavy duty H- frames, acrowspans, base jacks, clamps etc., as instructed
- PC2.** check the staging components visually to ensure their physical condition is safe for working
- PC3.** shift and stack required staging materials, chain pulleys, ropes, hooks, shackles required for erecting staging to the work location as directed

##### *Assist in erection and dismantling of staging*

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

- PC4.** check for the compaction/ rigidity and level of scaffolding's base
- PC5.** assist in erecting vertical and bracing components at the specified intervals as per instructions
- PC6.** assist in lifting staging components at the required locations using appropriate tools and tackles, such as chain hoist, pulley, hooks, etc
- PC7.** install supports at the appropriate locations using suitable formwork component as per direction
- PC8.** follow appropriate housekeeping practices to ensure health and safety the work site

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the use and name of hand tools and rigging gear commonly used for staging work, such as hammer, pulley, rope, spanner etc
- KU2.** the components required for staging work for heavy RCC structure, trestles, H-frames, acrowspans, base jacks, timber, clamps, MS channels, etc
- KU3.** the standard procedure of lifting heavy components using rigging tools and tackles
- KU4.** the standard procedure of shifting, storing and stacking staging materials at the worksite

#### Generic Skills (GS)



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

- GS1.** maintain the appropriate data and records
- GS2.** read the appropriate reports and literature concerning the field of work
- GS3.** communicate professionally with all the stakeholders
- GS4.** listen attentively to understand the information/ instructions being shared and take appropriate action
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and execute tasks based on priority
- GS7.** identify possible disruptions to work and take appropriate mitigation measures
- GS8.** take prompt action to deal with workplace emergencies and accidents
- GS9.** evaluate all possible solutions to work-related problems and select the best one
- GS10.** follow the recommended practices for the timely completion of work and achievement of organizational objectives



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Handle staging components</i>	<b>17</b>	<b>28</b>	-	<b>4</b>
<b>PC1.</b> select appropriate staging components, such as trestles, heavy duty H- frames, acrowspans, base jacks, clamps etc., as instructed	-	-	-	-
<b>PC2.</b> check the staging components visually to ensure their physical condition is safe for working	-	-	-	-
<b>PC3.</b> shift and stack required staging materials, chain pulleys, ropes, hooks, shackles required for erecting staging to the work location as directed	-	-	-	-
<i>Assist in erection and dismantling of staging</i>	<b>13</b>	<b>32</b>	-	<b>6</b>
<b>PC4.</b> check for the compaction/ rigidity and level of scaffolding's base	-	-	-	-
<b>PC5.</b> assist in erecting vertical and bracing components at the specified intervals as per instructions	-	-	-	-
<b>PC6.</b> assist in lifting staging components at the required locations using appropriate tools and tackles, such as chain hoist, pulley, hooks, etc	-	-	-	-
<b>PC7.</b> install supports at the appropriate locations using suitable formwork component as per direction	-	-	-	-
<b>PC8.</b> follow appropriate housekeeping practices to ensure health and safety the work site	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>60</b>	-	<b>10</b>



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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0704
<b>NOS Name</b>	Assist in carrying out staging for heavy RCC work
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging
<b>NSQF Level</b>	3.0
<b>Credits</b>	1
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

### CON/N0705: Assist in in-situ RCC piling work

#### Description

This unit describes the skills and knowledge required to assist in in-situ RCC piling work

#### Scope

The scope covers the following :

- Carry out preparatory activities
- Assist in piling work

#### Elements and Performance Criteria

##### *Carry out preparatory activities*

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

- PC1.** shift and stack tools and accessories required for piling work at the specified work location as per the given instructions
- PC2.** assist in erecting piling tripod at the appropriate positions
- PC3.** assist in establishing winch, pumps and pipelines required for piling operation at the specified locations
- PC4.** erect barricading and safety signage at the work location as per instruction
- PC5.** clean the piling tools and accessories before and after the concreting work

##### *Assist in piling work*

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

- PC6.** apply bentonite to the earth-pit as per the requirement and instructions
- PC7.** clean sludge and muck generated from the boreholes and dispose them of the designated location
- PC8.** carry out cleaning and greasing of concreting tremie pipe, funnel and other accessories as required
- PC9.** assist in shifting and lowering reinforcement cage into the bored hole of the pile before concreting
- PC10.** carry out manual earthwork according to the work requirement/ instructions

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the tools used for piling work, such as tripod, funnel, auger chisel, tremie, etc
- KU2.** the use of lifting tools and equipment in bore hole piling work, such as pulley, chain block, winch machine, wire rope, etc
- KU3.** how to operate tremie pipes during manual boring and concreting work
- KU4.** how to erect tripod and its accessories



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- KU5.** the use of bentonite in piling work and its physical properties
- KU6.** the process of cleaning muck and debris from earth pit
- KU7.** the signage requirements at a piling site

### Generic Skills (GS)

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

- GS1.** maintain the appropriate data and records
- GS2.** read the appropriate reports and literature concerning the field of work
- GS3.** communicate professionally with all the stakeholders
- GS4.** listen attentively to understand the information/ instructions being shared and take appropriate action
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and execute tasks based on priority
- GS7.** identify possible disruptions to work and take appropriate mitigation measures
- GS8.** take prompt action to deal with workplace emergencies and accidents
- GS9.** evaluate all possible solutions to work-related problems and select the best one
- GS10.** follow the recommended practices for the timely completion of work and achievement of organizational objectives





## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out preparatory activities</i>	<b>12</b>	<b>26</b>	-	<b>4</b>
<b>PC1.</b> shift and stack tools and accessories required for piling work at the specified work location as per the given instructions	-	-	-	-
<b>PC2.</b> assist in erecting piling tripod at the appropriate positions	-	-	-	-
<b>PC3.</b> assist in establishing winch, pumps and pipelines required for piling operation at the specified locations	-	-	-	-
<b>PC4.</b> erect barricading and safety signage at the work location as per instruction	-	-	-	-
<b>PC5.</b> clean the piling tools and accessories before and after the concreting work	-	-	-	-
<i>Assist in piling work</i>	<b>18</b>	<b>34</b>	-	<b>6</b>
<b>PC6.</b> apply bentonite to the earth-pit as per the requirement and instructions	-	-	-	-
<b>PC7.</b> clean sludge and muck generated from the boreholes and dispose them of the designated location	-	-	-	-
<b>PC8.</b> carry out cleaning and greasing of concreting tremie pipe, funnel and other accessories as required	-	-	-	-
<b>PC9.</b> assist in shifting and lowering reinforcement cage into the bored hole of the pile before concreting	-	-	-	-
<b>PC10.</b> carry out manual earthwork according to the work requirement/ instructions	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>60</b>	-	<b>10</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	CON/N0705
<b>NOS Name</b>	Assist in in-situ RCC piling work
<b>Sector</b>	Construction
<b>Sub-Sector</b>	Real Estate and Infrastructure construction
<b>Occupation</b>	Rigging
<b>NSQF Level</b>	3.0
<b>Credits</b>	2
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

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

## Description

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

## Scope

The scope covers the following :

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

## Elements and Performance Criteria

### *Interact and communicate in an effective manner*

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

- PC1.** pass on work related information/ requirement clearly to the team members
- PC2.** inform co-workers and superiors about any kind of deviations from work
- PC3.** report any unresolved problem to the supervisor immediately
- PC4.** obtain instructions from superiors and respond on the same
- PC5.** communicate to team members/subordinates for appropriate work technique and method
- PC6.** seek clarification and advice as per the requirement

### *Support co-workers to execute the project requirements*

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

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

### *Practice inclusion*

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

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

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** own roles and responsibilities



## Qualification Pack

- KU2.** importance of effective communication
- KU3.** the consequence of poor teamwork on project outcomes, timelines, safety at the construction site, etc.
- KU4.** different modes of communication used at workplace
- KU5.** importance of creating healthy and cooperative work environment among the gangs of workers
- KU6.** different activities within the work area where interaction with other workers is required
- KU7.** applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement
- KU8.** importance of proper and effective communication and the expected adverse effects in case of failure relating to quality, timeliness, safety, risks at the construction project site
- KU9.** importance and need of supporting co-workers facing problems for the smooth functioning of work
- KU10.** the fundamental concept of gender equality
- KU11.** how to recognise and be sensitive to issues of disability, culture and gender
- KU12.** legislation, policies, and procedures relating to gender sensitivity and cultural diversity including their impact on the area of operation

## Generic Skills (GS)

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

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



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interact and communicate in an effective manner</i>	<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>	1
<b>Version</b>	12.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

# 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



## Qualification Pack

**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





## Qualification Pack

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



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Follow safety norms as defined by the organization</i>	<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	-	-	-	-



## Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC11.</b> follow safety protocols and practices as laid down by site EHS department	-	-	-	-
<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>	-	-



## Qualification Pack

### 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>	1
<b>Version</b>	10.0
<b>Last Reviewed Date</b>	31/08/2023
<b>Next Review Date</b>	31/08/2026
<b>NSQC Clearance Date</b>	31/08/2023



## Qualification Pack

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

#### Description

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

#### Scope

The scope covers the following :

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

#### Elements and Performance Criteria

##### *Introduction to Employability Skills*

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

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

##### *Constitutional values - Citizenship*

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

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

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

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

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

##### *Basic English Skills*

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

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

##### *Communication Skills*

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

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team



## Qualification Pack

### *Diversity & Inclusion*

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

**PC7.** communicate and behave appropriately with all genders and PwD

**PC8.** report any issues related to sexual harassment

### *Financial and Legal Literacy*

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

**PC9.** use various financial products and services safely and securely

**PC10.** calculate income, expenses, savings etc.

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

### *Essential Digital Skills*

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

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

**PC13.** use internet and social media platforms securely and safely

### *Entrepreneurship*

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

**PC14.** identify and assess opportunities for potential business

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

### *Customer Service*

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

**PC16.** identify different types of customers

**PC17.** identify customer needs and address them appropriately

**PC18.** follow appropriate hygiene and grooming standards

### *Getting ready for apprenticeship & Jobs*

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

**PC19.** create a basic biodata

**PC20.** search for suitable jobs and apply

**PC21.** identify and register apprenticeship opportunities as per requirement

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

**KU3.** different environmentally sustainable practices and their importance

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

**KU5.** how to use basic spoken English language

**KU6.** Do and dont of effective communication

**KU7.** inclusivity and its importance

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

**KU9.** different types of financial products and services



## Qualification Pack

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

## Generic Skills (GS)

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

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



## Qualification Pack

### Assessment Criteria

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





## Qualification Pack

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



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0101
<b>NOS Name</b>	Employability Skills (30 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	26/01/2025
<b>NSQC Clearance Date</b>	27/01/2022

## 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 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6. The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.



## Qualification Pack

- 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.
- After the certain number of iterations as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
- 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.
- Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

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

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

## Assessment Weightage

### Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N0701.Shift RCC precast/ structural steel units at construction sites	30	60	0	10	100	20
CON/N0702.Prepare the surface of RCC precast units or structural steel units	30	60	0	10	100	20
CON/N0703.Lay and dismantle concrete pump-line	30	60	0	10	100	15
CON/N0704.Assist in carrying out staging for heavy RCC work	30	60	0	10	100	15
CON/N0705.Assist in in-situ RCC piling work	30	60	0	10	100	15
CON/N8001.Work effectively in a team to deliver desired results at the workplace	30	70	0	0	100	5



### Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
CON/N9001.Work according to personal health, safety and environment protocols at construction site	30	70	0	0	100	5
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	5
<b>Total</b>	<b>230</b>	<b>470</b>	<b>0</b>	<b>50</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>	<p>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.</p>
<b>Organisational Context</b>	<p>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.</p>
<b>Technical Knowledge</b>	<p>Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.</p>
<b>Core Skills/ Generic Skills (GS)</b>	<p>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.</p>
<b>Electives</b>	<p>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.</p>
<b>Options</b>	<p>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.</p>