



Junior Tower Crane Operator/Signalman

QP Code: IES/Q0123

NSQF Level: 3

Infrastructure Equipment Skill Council || Infrastructure Equipment Skill Council, Avik Royale-First Floor
(Next of Vijaya Bank), No.6, 50 feet Main Road, Avalahalli Extension, Girinagar
Bengaluru 560026

Qualification Pack

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IES/Q0123: Junior Tower Crane Operator/Signalman

Brief Job Description

A junior tower crane operator/signalman in the work site is responsible for assisting the tower crane operators in loading and unloading of the materials. He provides directions for maneuvering the crane to the load lifting and releasing area. He is also responsible for safety during the crane operations.

Personal Attributes

The job requires an individual to be physically agile, strong and should have good eye sight. He should constantly be in contact with the operator and should maintain safety activities during the operations. He should possess basic numeracal skills and is required to be mentally alert at all times.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [IES/N0167: Assist in pre-lifting operations](#)
2. [IES/N0168: Assist in tower crane operations](#)
3. [IES/N0169: Assist in regular maintenance of the tower crane](#)
4. [IES/N7601: Comply with worksite health and safety guidelines](#)

Qualification Pack (QP) Parameters

Sector	Infrastructure Equipment
Sub-Sector	Equipment Operations
Occupation	Operator
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/8343.0700
Minimum Educational Qualification & Experience	8th Class with 1-2 Years of experience as assistant in equipment operations
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA



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Minimum Job Entry Age	18 Years
Last Reviewed On	20/12/2017
Next Review Date	26/12/2020
NSQC Approval Date	19/12/2018
Version	1.0

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IES/N0167: Assist in pre-lifting operations

Description

This unit provides insight into activities required to be performed before lifting the load using crane

Scope

This unit/task covers the following: Pre-lifting operations

Elements and Performance Criteria

Pre-lifting operations

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

- PC1.** check for availability of lifting gears, tools and tackles prior to starting lifting works
- PC2.** select and use appropriate rigging gears required for heavy material shifting for structural components at construction site
- PC3.** check and verify for appropriate rigging of the load to the sling as per the requirement of the load
- PC4.** inspect wire rope slings, webbing slings and chain slings that may obstruct the lifting during crane operations
- PC5.** check structural components of the equipment and assembly are placed away from any overhead power lines or service lines
- PC6.** check work location for barricading, presence of signage and availability of required PPEs, provided as per standard practice
- PC7.** ascertain weight of load and determine centre of gravity as per the weight of the load
- PC8.** check for blind spots and estimate clearance of swing path on the site
- PC9.** set up communications for safe lifting operation and test it with the crane operator
- PC10.** prepare base for lifting equipment and load to be lifted as per requirement and instruction from the supervisor

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the organization operations, maintenance and safety related guidelines
- KU2.** the operational standards & procedures followed in the company in timeframe in which the complaint/problem should be resolved
- KU3.** reporting structure of the company
- KU4.** location of specialized tools and the equipment
- KU5.** location and process for storage and disposal of waste material
- KU6.** basic principles of measurement, geometry and arithmetic calculation
- KU7.** conversion of units of linear measurements
- KU8.** hand tools required to carry out material lifting activity and their use

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- KU9.** rigging tools required to lift structural steel sections or assemblies and their use
- KU10.** required nature of base level and compaction required for equipment during lifting
- KU11.** technique of guiding suspended object through tag lines to location of erection
- KU12.** basic concept of working mechanism of load lifting equipment like cranes winches, etc.
- KU13.** specification of lifting tools and tackles as per load lifting requirement

Generic Skills (GS)

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

- GS1.** record information/observations on activities/incidents as per the prescribed norms
- GS2.** read and comprehend basic signs, symbols, diagrams, charts and decals on the equipment & at work site
- GS3.** read and understand the applicable relevant aspects of the equipment operation & maintenance manuals
- GS4.** use correct technical terms/phrases while interacting with other coworkers & supervisor
- GS5.** explain/instruct other team members effectively in a clear and concise manner
- GS6.** listen attentively and understand the queries /comments raised by other team members
- GS7.** decide when to escalate and seek assistance if the problem is beyond scope
- GS8.** prioritize and schedule maintenance activity on equipment to support operational needs
- GS9.** plan and organise the work schedule in coordination with other team members & supervisor
- GS10.** execute the tasks efficiently within the time frame allotted and prescribed quality norms; with minimal supervision
- GS11.** ensure quality service is delivered as committed to achieve high levels of customer satisfaction
- GS12.** evaluate the possible solutions and initiate appropriate remedial measures and actions
- GS13.** apply common sense and reasoning skills to identify the cause of delays and difficulties in execution
- GS14.** apply knowledge and judgement acquired through experience and awareness to execute tasks efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Pre-lifting operations</i>	10	25	-	-
PC1. check for availability of lifting gears, tools and tackles prior to starting lifting works	1	2	-	-
PC2. select and use appropriate rigging gears required for heavy material shifting for structural components at construction site	1	3	-	-
PC3. check and verify for appropriate rigging of the load to the sling as per the requirement of the load	1	2	-	-
PC4. inspect wire rope slings, webbing slings and chain slings that may obstruct the lifting during crane operations	1	3	-	-
PC5. check structural components of the equipment and assembly are placed away from any overhead power lines or service lines	1	3	-	-
PC6. check work location for barricading, presence of signage and availability of required PPEs, provided as per standard practice	1	3	-	-
PC7. ascertain weight of load and determine centre of gravity as per the weight of the load	1	2	-	-
PC8. check for blind spots and estimate clearance of swing path on the site	1	3	-	-
PC9. set up communications for safe lifting operation and test it with the crane operator	1	2	-	-
PC10. prepare base for lifting equipment and load to be lifted as per requirement and instruction from the supervisor	1	2	-	-
NOS Total	10	25	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	IES/N0167
NOS Name	Assist in pre-lifting operations
Sector	Infrastructure Equipment
Sub-Sector	Equipment Operations
Occupation	Operator
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	20/12/2017
Next Review Date	26/12/2020
NSQC Clearance Date	19/12/2018

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IES/N0168: Assist in tower crane operations

Description

This unit gives an insight into the activities that need to be performed by the signalman during the crane operations

Scope

This unit/task covers the following:

- Tower crane operations

Elements and Performance Criteria

Tower Crane Operations

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

- PC1.** analyse the load characteristics including centre of gravity and lifting points to determine the method of slinging
- PC2.** communicate with the crane operator through lifting and maneuvering the load using the communication device or by hand signalling
- PC3.** determine and check the route of the load before and during the lift including distances, clearances and landing position
- PC4.** ensure balance and stability of loads through constant observation of the load during the process
- PC5.** coordinate with the crane operator and others on the worksite while the load is landing
- PC6.** prepare base for unloading of materials along with the supervisor and other workmen at the worksite
- PC7.** assist the site supervisor to cordon off lifting and lowering area using barricades, where applicable, according to lifting plan requirements

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the organization operations, maintenance and safety related guidelines
- KU2.** the operational standards & procedures followed in the company in timeframe in which the complaint/problem should be resolved
- KU3.** reporting structure of the company
- KU4.** location of specialized tools and the equipment
- KU5.** location and process for storage and disposal of waste material
- KU6.** contact person/area in case of emergency
- KU7.** technical specifications, features and performance of different types of cranes
- KU8.** tower Crane equipment, its limitations and all the dynamics involved in crane and boom movement and lifting

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- KU9.** factors that affect equipment stability, such as ground and supporting conditions
- KU10.** factors that affect equipment stability, such as ground and supporting conditions
- KU11.** actual and potential hazards, such as overhead utilities and guide wires, other equipment, personnel and vehicular traffic
- KU12.** safety measures to be followed at the time of emergencies to avoid damage
- KU13.** roles of personnel on site, such as supervisor, operator and others

Generic Skills (GS)

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

- GS1.** record information/observations on activities/incidents as per the prescribed norms
- GS2.** read and comprehend basic signs, symbols, diagrams, charts and decals on the equipment & at work site
- GS3.** read and understand the applicable relevant aspects of the equipment operation & maintenance manuals
- GS4.** use correct technical terms/phrases while interacting with other coworkers & supervisor
- GS5.** explain/instruct other team members effectively in a clear and concise manner
- GS6.** listen attentively and understand the queries /comments raised by other team members
- GS7.** decide when to escalate and seek assistance if the problem is beyond scope
- GS8.** prioritize and schedule maintenance activity on equipment to support operational needs
- GS9.** plan and organise the work schedule in coordination with other team members & supervisor
- GS10.** execute the tasks efficiently within the time frame allotted and prescribed quality norms; with minimal supervision
- GS11.** ensure quality service is delivered as committed to achieve high levels of customer satisfaction
- GS12.** evaluate the possible solutions and initiate appropriate remedial measures and actions
- GS13.** apply common sense and reasoning skills to identify the cause of delays and difficulties in execution
- GS14.** apply knowledge and judgement acquired through experience and awareness to execute tasks efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Tower Crane Operations</i>	10	20	-	-
PC1. analyse the load characteristics including centre of gravity and lifting points to determine the method of slinging	2	3	-	-
PC2. communicate with the crane operator through lifting and maneuvering the load using the communication device or by hand signalling	2	3	-	-
PC3. determine and check the route of the load before and during the lift including distances, clearances and landing position	2	3	-	-
PC4. ensure balance and stability of loads through constant observation of the load during the process	1	3	-	-
PC5. coordinate with the crane operator and others on the worksite while the load is landing	1	3	-	-
PC6. prepare base for unloading of materials along with the supervisor and other workmen at the worksite	1	3	-	-
PC7. assist the site supervisor to cordon off lifting and lowering area using barricades, where applicable, according to lifting plan requirements	1	2	-	-
NOS Total	10	20	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	IES/N0168
NOS Name	Assist in tower crane operations
Sector	Infrastructure Equipment
Sub-Sector	Equipment Operations
Occupation	Operator
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	20/12/2017
Next Review Date	26/12/2020
NSQC Clearance Date	19/12/2018

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IES/N0169: Assist in regular maintenance of the tower crane

Description

This unit provides insight into activities that are required for performing routine maintenance and troubleshooting of a tower crane.

Scope

This unit/task covers the following:

- Routine maintenance
- Repair and troubleshooting
- Documentation and reporting

Elements and Performance Criteria

Routine maintenance

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

- PC1.** assist in replenishing coolants, lubricants and fluids as per the functioning of the machine or as per the operational manual
- PC2.** assist in greasing all greasing pins, trolley pins, hoist and rope and slewing bolts regularly as per the usage of the machine
- PC3.** service lubrications system, electrical service system, hoisting system and stabilizing system as per instructions of the operator/supervisor
- PC4.** service Jib/boom and mast as per the instructions of the operator/supervisor
- PC5.** check battery levels and condition of the terminals and carry out minor adjustments
- PC6.** keep the tools in the designated place after usage as per the organizational guidelines

Repair and troubleshooting

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

- PC7.** ensure the main power is turned off from panel completely before carrying out maintenance work
- PC8.** use appropriate tools while troubleshooting
- PC9.** report defects precisely to the operator/supervisor if beyond scope of role
- PC10.** dispose waste as per the guidelines of the site/ organization

Reporting and documentation

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

- PC11.** follow reporting procedures as laid down by the employer
- PC12.** complete all documentation in the prescribed standards in a timely manner

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

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- KU1.** the organization operations, maintenance and safety related guidelines
- KU2.** the operational standards & procedures followed in the company in timeframe in which the complaint/problem should be resolved
- KU3.** reporting structure of the company
- KU4.** location of specialized tools and the equipment
- KU5.** location and process for storage and disposal of waste material
- KU6.** maintenance schedule of the equipment
- KU7.** basics of engine and sub systems; fuel, lubrication and cooling systems
- KU8.** basics of transmission, auto-electrical functioning and repairs
- KU9.** different types of hydraulic mechanisms, and principles of friction
- KU10.** basics of electrical systems including control panel
- KU11.** control and switches needed to operate the tower crane appropriately
- KU12.** common defects and general causes of breakdown
- KU13.** spill kit procedures

Generic Skills (GS)

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

- GS1.** record information/observations on activities/incidents as per the prescribed norms
- GS2.** read and comprehend basic signs, symbols, diagrams, charts and decals on the equipment & at work site
- GS3.** read and understand the applicable relevant aspects of the equipment operation & maintenance manuals
- GS4.** use correct technical terms/phrases while interacting with other coworkers & supervisor
- GS5.** explain/instruct other team members effectively in a clear and concise manner
- GS6.** listen attentively and understand the queries /comments raised by other team members
- GS7.** decide when to escalate and seek assistance if the problem is beyond scope
- GS8.** prioritize and schedule maintenance activity on equipment to support operational needs
- GS9.** plan and organise the work schedule in coordination with other team members & supervisor
- GS10.** execute the tasks efficiently within the time frame allotted and prescribed quality norms; with minimal supervision
- GS11.** ensure quality service is delivered as committed to achieve high levels of customer satisfaction
- GS12.** evaluate the possible solutions and initiate appropriate remedial measures and actions
- GS13.** apply common sense and reasoning skills to identify the cause of delays and difficulties in execution
- GS14.** apply knowledge and judgement acquired through experience and awareness to execute tasks efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Routine maintenance</i>	5	6	-	-
PC1. assist in replenishing coolants, lubricants and fluids as per the functioning of the machine or as per the operational manual	0.5	1	-	-
PC2. assist in greasing all greasing pins, trolley pins, hoist and rope and slewing bolts regularly as per the usage of the machine	1	1	-	-
PC3. service lubrications system, electrical service system, hoisting system and stabilizing system as per instructions of the operator/supervisor	1	1	-	-
PC4. service Jib/boom and mast as per the instructions of the operator/supervisor	1	1	-	-
PC5. check battery levels and condition of the terminals and carry out minor adjustments	1	1	-	-
PC6. keep the tools in the designated place after usage as per the organizational guidelines	0.5	1	-	-
<i>Repair and troubleshooting</i>	2	4	-	-
PC7. ensure the main power is turned off from panel completely before carrying out maintenance work	0.5	1	-	-
PC8. use appropriate tools while troubleshooting	0.5	1	-	-
PC9. report defects precisely to the operator/supervisor if beyond scope of role	0.5	1	-	-
PC10. dispose waste as per the guidelines of the site/ organization	0.5	1	-	-
<i>Reporting and documentation</i>	1	2	-	-
PC11. follow reporting procedures as laid down by the employer	0.5	1	-	-
PC12. complete all documentation in the prescribed standards in a timely manner	0.5	1	-	-



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	8	12	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	IES/N0169
NOS Name	Assist in regular maintenance of the tower crane
Sector	Infrastructure Equipment
Sub-Sector	Equipment Operations
Occupation	Operator
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	20/12/2017
Next Review Date	26/12/2020
NSQC Clearance Date	19/12/2018

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IES/N7601: Comply with worksite health and safety guidelines

Description

This unit is about adhering to health and safety requirements at the worksite during equipment operations.

Scope

This unit/task covers the following: Worksite health and safety

Elements and Performance Criteria

Worksite health and safety

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

- PC1.** comply with safety, health, security and environment related regulations/ guidelines at the work site
- PC2.** use personal protective equipment (ppe) and other safety gear such as seat belt, body protection, respiratory protection, eye protection, ear protection and hand protection
- PC3.** follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk
- PC4.** carry out operations as per the manufacturers and worksite related health and safety guidelines
- PC5.** handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite health, safety and environmental guidelines
- PC6.** follow safety regulations and procedures with regard to worksite hazards and risks
- PC7.** operate various grades of fire extinguishers, as applicable
- PC8.** support in administering basic first aid and report to concerned team members, as required, in case of an accident
- PC9.** respond promptly and appropriately to an accident/ incident or emergency situation, within limits of your role and responsibility

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** health, safety, environmental (hse) and security related policies/ guidelines of the organization and the worksite
- KU2.** the importance of complying with health, safety, environmental and security guidelines at the worksite and during operations
- KU3.** contact details of personnel responsible for health, safety and environment (hse) related matters
- KU4.** location of worksite storage, site team and safe assembly points
- KU5.** concerned personnel to reach out in case of emergencies and accidents/ incidents
- KU6.** reporting and documentation procedures for hse and security matters
- KU7.** manufacturers guidelines related to health and safety requirements

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- KU8.** common types of health, safety, environment and security risks related to the worksite and operations
- KU9.** types, use and importance of personal protective equipment (ppe) and other safety gear
- KU10.** safe working practices to avoid common hazards and risks
- KU11.** guidelines for transport, storage and disposal of hazardous materials and waste
- KU12.** types of common hazards and risks at the worksite including fire, electrical, gas emergencies, accidents, incidents, structure collapse, machine breakdown
- KU13.** knowledge of safe lockdown/ stop of machinery use in case of emergencies and incidents/ accidents
- KU14.** types of fire extinguishers and their use
- KU15.** common injuries and appropriate basic first aid treatment eg. electrical shock, bleeding, wounds, fractures, minor burns, eye injuries

Generic Skills (GS)

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

- GS1.** document and report any health and safety related incidents/ accidents
- GS2.** read and comprehend basic english to read manuals of operations
- GS3.** read all organizational and equipment related health and safety manuals and documents
- GS4.** read instructions, guidelines/procedures/rules related to the worksite and equipment operations
- GS5.** give clear instructions to co-workers, subordinates and other personnel
- GS6.** use correct technical terms while interacting with supervisor
- GS7.** make an appropriate timely decision in responding to emergencies/accidents in line with organizational/ worksite guidelines
- GS8.** use correct ppe and other safety gear while at the worksite
- GS9.** work with supervisors/ team mates to carry out work related tasks
- GS10.** plan work according to the required schedule and location
- GS11.** build and maintain positive and effective relationships with colleagues and customers
- GS12.** seek appropriate assistance from other sources to resolve problems
- GS13.** assess the intensity of the fire accident and operate fire extinguishers
- GS14.** analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently
- GS15.** document and report any health and safety related incidents/ accidents
- GS16.** read and comprehend basic english to read manuals of operations
- GS17.** read all organizational and equipment related health and safety manuals and documents
- GS18.** read instructions, guidelines/procedures/rules related to the worksite and equipment operations
- GS19.** give clear instructions to co-workers, subordinates and other personnel
- GS20.** use correct technical terms while interacting with supervisor
- GS21.** make an appropriate timely decision in responding to emergencies/accidents in line with organizational/ worksite guidelines

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- GS22.** use correct ppe and other safety gear while at the worksite
- GS23.** work with supervisors/ team mates to carry out work related tasks
- GS24.** plan work according to the required schedule and location
- GS25.** build and maintain positive and effective relationships with colleagues and customers
- GS26.** seek appropriate assistance from other sources to resolve problems
- GS27.** assess the intensity of the fire accident and operate fire extinguishers
- GS28.** analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Worksite health and safety</i>	6	24	-	-
PC1. comply with safety, health, security and environment related regulations/ guidelines at the work site	-	2	-	-
PC2. use personal protective equipment (ppe) and other safety gear such as seat belt, body protection, respiratory protection, eye protection, ear protection and hand protection	1	3	-	-
PC3. follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk	1	3	-	-
PC4. carry out operations as per the manufacturers and worksite related health and safety guidelines	1	2	-	-
PC5. handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite health, safety and environmental guidelines	1	3	-	-
PC6. follow safety regulations and procedures with regard to worksite hazards and risks	1	2	-	-
PC7. operate various grades of fire extinguishers, as applicable	-	3	-	-
PC8. support in administering basic first aid and report to concerned team members, as required, in case of an accident	1	3	-	-
PC9. respond promptly and appropriately to an accident/ incident or emergency situation, within limits of your role and responsibility	-	3	-	-
NOS Total	6	24	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	IES/N7601
NOS Name	Comply with worksite health and safety guidelines
Sector	Infrastructure Equipment
Sub-Sector	Equipment Operations
Occupation	Operator
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	31/03/2015
Next Review Date	31/03/2017
NSQC Clearance Date	18/06/2015

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Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
5. In case of successfully passing only certain number of NOSs, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.
6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

Recommended Pass % : 70

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
IES/N0167.Assist in pre-lifting operations	10	25	-	-	35	30
IES/N0168.Assist in tower crane operations	10	20	-	-	30	26
IES/N0169.Assist in regular maintenance of the tower crane	8	12	-	-	20	18
IES/N7601.Comply with worksite health and safety guidelines	6	24	-	-	30	26
Total	34	81	-	-	115	100

Acronyms

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

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Glossary

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

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Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.