



# Assistant Operator - Stacker/Reclaimer

QP Code:ISC/Q0104

Version: 2.0

NSQF Level: 3

Indian Iron and Steel Sector Skill Council || Karigari Bhawan 5th Floor, Room No-509  
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# Contents

|  |    |
|--|----|
| ISC/Q0104: Assistant Operator - Stacker/Reclaimer .....                  | 3  |
| <i>Brief Job Description</i> .....                                       | 3  |
| Applicable National Occupational Standards (NOS) .....                   | 3  |
| <i>Compulsory NOS</i> .....  | 3  |
| <i>Qualification Pack (QP) Parameters</i> .....                          | 3  |
| ISC/N0008: Use basic health and safety practices at the work place ..... | 5  |
| ISC/N0009: Work effectively with others .....                            | 11 |
| ISC/N0108: Prepare for the stacker / re-claimer operation .....          | 15 |
| ISC/N0109: Carry out stacker / re-claimer operation .....                | 19 |
| Assessment Guidelines and Weightage.....                                 | 23 |
| Assessment Guidelines .....  | 23 |
| Assessment Weightage .....   | 23 |
| Acronyms .....   | 24 |
| Glossary .....   | 25 |

## ISC/Q0104: Assistant Operator - Stacker/Reclaimer

### Brief Job Description

The individual in this role operates Stacker Conveyor or Re-Claimer for material handling and agglomeration function.

### Personal Attributes

The person should be patient, organized, team-oriented and have the ability to work for long hours in adverse conditions. They must be able to plan and prioritise tasks effectively and have an eye for detail and quality.

### Applicable National Occupational Standards (NOS)

#### Compulsory NOS:

1. [ISC/N0008: Use basic health and safety practices at the workplace](#)
2. [ISC/N0009: Work effectively with others](#)
3. [ISC/N0108: Prepare for the stacker / re-claimer operation](#)
4. [ISC/N0109: Carry out stacker / re-claimer operation](#)

### Qualification Pack (QP) Parameters

|   |  |
|---|--|
| <b>Sector</b>   | Iron & Steel   |
| <b>Sub-Sector</b>   | Steel, Sponge Iron, Ferro Alloys, Re-Rollers, Refractory                   |
| <b>Occupation</b>   | Raw Material Handling  |
| <b>Country</b>  | India  |
| <b>NSQF Level</b>   | 3  |
| <b>Aligned to NCO/ISCO/ISIC Code</b>                      | NCO-2015/NIL   |
| <b>Minimum Educational Qualification &amp; Experience</b> | 8th Class Pass with 1 year of relevant experience<br>OR<br>10th Class Pass |
| <b>Minimum Level of Education for Training in School</b>  |  |
| <b>Pre-Requisite License or Training</b>                  | NA   |
| <b>Minimum Job Entry Age</b>                              | 18 Years   |

|                    |     |
|--------------------|-----|
| Last Reviewed On   | NA  |
| Next Review Date   | NA  |
| NSQC Approval Date |     |
| Version            | 2.0 |

## ISC/N0008: Use basic health and safety practices at the workplace

### Description

This OS unit is about following safety and adopting sustainable practices for optimizing use of resources.

### Scope

The scope covers the following:

- Maintain safe and secure working environment
- Emergencies, rescue and first aid procedures
- Health and hygiene
- Housekeeping and waste management
- Material and energy conservation

### Elements and Performance Criteria

#### *Maintain safe and secure working environment*

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

- PC1. identify hazardous activities and the possible causes of risks or accidents in the workplace
- PC2. follow safe working practices while dealing with hazards to ensure safety of self and others
- PC3. use appropriate protective clothing/equipment for specific tasks and work
- PC4. follow appropriate safety practices while working in and around trenches, elevated places and confined areas
- PC5. lift heavy objects safely using correct procedures
- PC6. carry out routine check of the machine for identifying potential hazards
- PC7. report any identified breaches in health, safety and security policies and procedures to the designated person

#### *Emergencies, rescue and first aid procedures*

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

- PC8. use appropriate type of fire extinguisher
- PC9. apply appropriate rescue techniques during fire hazard
- PC10. provide appropriate first aid procedure to victims wherever required eg.in case of bleeding, burns, choking, electric shock etc.
- PC11. follow emergency procedures such as raising alarm, safe evacuation etc.
- PC12. attend safety training and fire drills to respond promptly during an emergency

#### *Health and hygiene*

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

- PC13. follow regular cleaning and disinfection practices at work place using appropriate techniques and materials



PC14. follow hand hygiene practices at work place using appropriate techniques and materials

PC15. report regarding the contagious illness of self or people in close contact

PC16. avoid contact with ill people and self-isolate in a similar situation

#### *Housekeeping and waste management*

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

PC17. follow the fundamentals of 5S for housekeeping

PC18. ensure good housekeeping in order to prevent hazards and accidents

PC19. store the material, tools and equipment in the correct location and in good condition

PC20. segregate waste into different categories

PC21. identify recyclable, non-recyclable and hazardous waste

PC22. dispose non-recyclable, recyclable and reusable waste appropriately at identified location

#### *Material and energy conservation*

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

PC23. identify ways to optimize usage of material in various tasks/activities/processes

PC24. check for spills/leakages in various tasks/activities/processes

PC25. plug spills/leakages and escalate to appropriate authority if unable to rectify

PC26. check if the equipment/machine is functioning normally before commencing work and rectify wherever required

PC27. ensure electrical equipment and appliances are properly connected and turned off when not in use

### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

KU1. organisation procedures for health, safety and security, individual role and responsibilities in this context

KU2. the organisation's emergency procedures for different emergency situations and the importance of following the same

KU3. evacuation procedures for workers and visitors

KU4. how and when to report hazards

KU5. potential hazards, risks and threats based on the nature of work

KU6. preventative and remedial actions to be taken in case of exposure to toxic material

KU7. various types of fire extinguisher

KU8. various types of safety signs and their meaning

KU9. appropriate first aid treatment relevant to different condition e.g. bleeding, minor burns, eye injuries etc.

KU10. relevant standards, procedures and policies related to 5S followed in the company

KU11. the various materials used and their storage norms

KU12. efficient utilisation of material and water



- KU13. basics of electricity and prevalent energy efficient devices
- KU14. common practices of conserving electricity
- KU15. categorisation of waste into dry, wet, recyclable, non-recyclable and items of single-use plastics
- KU16. usage of different colors of dustbins
- KU17. waste management techniques

### **Generic Skills (GS)**

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

- GS1. read safety instructions/guidelines
- GS2. modify work practices to improve them
- GS3. ask for clarifications from superior about the job requirement
- GS4. work with supervisors/team members to carry out work related tasks
- GS5. complete tasks efficiently and accurately within stipulated time
- GS6. inform/report to concerned person in case of any problem
- GS7. make timely decisions for efficient utilization of resources
- GS8. write reports such as accident report, in at least English/regional language
- GS9. be punctual and utilize time efficiently

**Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Maintain safe and secure working environment</i>   | <b>10</b>    | <b>14</b>       | -             | <b>6</b>   |
| PC1. identify hazardous activities and the possible causes of risks or accidents in the workplace                                       | 2            | 2               | -             | 1          |
| PC2. follow safe working practices while dealing with hazards to ensure safety of self and others                                       | 2            | 3               | -             | 1          |
| PC3. use appropriate protective clothing/ equipment for specific tasks and work   | 1            | 2               | -             | 1          |
| PC4. follow appropriate safety practices while working in and around trenches, elevated places and confined areas                       | 2            | 1               | -             | -          |
| PC5. lift heavy objects safely using correct procedures   | 1            | 2               | -             | 1          |
| PC6. carry out routine check of the machine for identifying potential hazards   | 1            | 2               | -             | 1          |
| PC7. report any identified breaches in health, safety and security policies and procedures to the designated person                     | 1            | 2               | -             | 1          |
| <i>Emergencies, rescue and first aid procedures</i>   | <b>6</b>     | <b>9</b>        | -             | <b>5</b>   |
| PC8. use appropriate type of fire extinguisher  | 1            | 1               | -             | 1          |
| PC9. apply appropriate rescue techniques during fire hazard   | 1            | 2               | -             | 1          |
| PC10. provide appropriate first aid procedure to victims wherever required eg. in case of bleeding, burns, choking, electric shock etc. | 2            | 2               | -             | 1          |
| PC11. follow emergency procedures such as raising alarm, safe evacuation etc.   | 1            | 2               | -             | 1          |
| PC12. attend safety training and fire drills to respond promptly during an emergency  | 1            | 2               | -             | 1          |
| <i>Health and hygiene</i>   | <b>2</b>     | <b>6</b>        | -             | <b>2</b>   |
| PC13. follow regular cleaning and disinfection practices at work place using appropriate techniques and materials                       | 1            | 2               | -             | 1          |



|  |           |           |   |           |
|--|-----------|-----------|---|-----------|
| PC14.follow hand hygiene practices at workplace using appropriate techniques and materials                       | 1         | 2         | - | 1         |
| PC15.report regarding the contagious illness of self or people in close contact                                  | -         | 1         | - | -         |
| PC16.avoid contact with ill people and self-isolate in a similar situation                                       | -         | 1         | - | -         |
| <i>Housekeeping and waste management</i>   | <b>7</b>  | <b>12</b> | - | <b>5</b>  |
| PC17.follow the fundamentals of 5S for housekeeping  | 2         | 3         | - | 2         |
| PC18.ensure good housekeeping to prevent hazards and accidents   | 1         | 2         | - | -         |
| PC19.store the material, tools and equipment in the correct location and in good condition                       | 1         | 2         | - | -         |
| PC20.segregate waste into different categories   | 1         | 2         | - | 1         |
| PC21.identify recyclable, non-recyclable and hazardous waste   | 1         | 1         | - | 1         |
| PC22.dispose non-recyclable, recyclable and reusable waste appropriately at identified location                  | 1         | 2         | - | 1         |
| <i>Material and energy conservation</i>  | <b>5</b>  | <b>9</b>  | - | <b>2</b>  |
| PC23.identify ways to optimize usage of material in various tasks/activities/processes                           | 1         | 2         | - | -         |
| PC24.check for spills/leakages in various tasks/activities/processes   | 1         | 2         | - | 1         |
| PC25.plugin spills/leakages and escalate to appropriate authority if unable to rectify                           | 1         | 2         | - | 1         |
| PC26.check if the equipment/machine is functioning normally before commencing work and rectify wherever required | 1         | 2         | - | -         |
| PC27.ensure electrical equipment and appliances are properly connected and turned off when not in use            | 1         | 1         | - | -         |
| <b>NOS Total</b>   | <b>30</b> | <b>50</b> | - | <b>20</b> |

**National Occupational Standards (NOS) Parameters**

|                            |   |
|----------------------------|---|
| <b>NOS Code</b>            | ISC/N0008   |
| <b>NOS Name</b>            | Use basic health and safety practices at the work place |
| <b>Sector</b>              | Iron & Steel  |
| <b>Sub-Sector</b>          | Generic   |
| <b>Occupation</b>          | Generic   |
| <b>NSQF Level</b>          | 3   |
| <b>Credits</b>             | TBD   |
| <b>Version</b>             | 2.0   |
| <b>Last Reviewed Date</b>  | NA  |
| <b>Next Review Date</b>    | NA  |
| <b>NSQC Clearance Date</b> |   |

## ISC/N0009: Work effectively with others

### Description

This OS unit is about communicating with colleagues/superiors and others, either in own work group or in other work groups within organisation.

### Scope

The scope covers the following :

- Communicate effectively with colleagues and others
- Interact with supervisor
- Follow appropriate behaviour at workplace

### Elements and Performance Criteria

#### *Communicate effectively with colleagues and others*

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

- PC1. coordinate with colleagues to share work, as per the workload in order to achieve team goals
- PC2. maintain clear communication with colleagues and others, wherever needed, through all means i.e. face-to-face, telephonic or written
- PC3. adjust communication styles to reflect gender and persons with disability (PwD) sensitivity
- PC4. respect all colleagues and co-workers
- PC5. resolve conflicts by communicating with colleagues and other departments

#### *Interact with supervisor*

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

- PC6. identify work requirements by receiving instructions from reporting supervisor
- PC7. escalate problems to supervisors that cannot be handled
- PC8. report the completed work
- PC9. interact with the reporting supervisor about any possible hazards and safety concerns

#### *Follow appropriate behaviour at work place*

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

- PC10. extend help to people with Disability (PwD) at workplace, if required
- PC11. empathize with people with disability
- PC12. adopt a gender neutral behavior
- PC13. adopt responsible and disciplined behaviour at the workplace

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:



- KU1. the importance of effective communication and establishing good working relationships with colleagues and supervisor
- KU2. different methods of communication as per the circumstances
- KU3. importance of teamwork in organization and individual success
- KU4. various components of effective communication
- KU5. barriers to effective communication
- KU6. common reasons for interpersonal conflict
- KU7. what constitutes disciplined behaviour for a working professional
- KU8. gender concepts, issues & legislation
- KU9. organisational policies and procedures related to gender equality
- KU10. challenges faced by PWD and the ways to help them overcome the same

### **Generic Skills (GS)**

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

- GS1. read instructions/guidelines/procedures
- GS2. listen effectively and orally communicate information
- GS3. ask for clarification and advice from the concerned person
- GS4. maintain positive and effective relationships with colleagues
- GS5. evaluate the possible solution(s) to the problem
- GS6. spot and communicate potential areas of disruptions in the work process and report the same
- GS7. complete written work with attention to detail
- GS8. check that the work meets customer requirements

**Assessment Criteria**

| Assessment Criteria for Outcomes  | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|---|--------------|-----------------|---------------|------------|
| <i>Communicate effectively with colleagues and others</i>   | <b>13</b>    | <b>20</b>       | -             | <b>9</b>   |
| PC1. coordinate with colleagues to share work, as per the workload in order to achieve team goals   | 3            | 5               | -             | 2          |
| PC2. maintain clear communication with colleagues and others, wherever needed, through all means i.e. face-to-face, telephonic or written | 5            | 7               | -             | 3          |
| PC3. adjust communication styles to reflect gender and persons with disability (PwD) sensitivity  | 3            | 4               | -             | 2          |
| PC4. respect all colleagues and co-workers  | 1            | 2               | -             | 1          |
| PC5. resolve conflicts by communicating with colleagues and other departments   | 1            | 2               | -             | 1          |
| <i>Interact with supervisor</i>   | <b>8</b>     | <b>14</b>       | -             | <b>6</b>   |
| PC6. identify work requirements by receiving instructions from reporting supervisor   | 2            | 3               | -             | 1          |
| PC7. escalate problems to supervisors that cannot be handled  | 2            | 3               | -             | 2          |
| PC8. report the completed work  | 2            | 3               | -             | 1          |
| PC9. interact with the reporting supervisor about any possible hazards and safety concerns  | 2            | 5               | -             | 2          |
| <i>Follow appropriate behaviour at work place</i>   | <b>9</b>     | <b>16</b>       | -             | <b>5</b>   |
| PC10. extend help to people with Disability (PwD) at workplace, if required   | 2            | 4               | -             | 2          |
| PC11. empathize with people with disability   | 2            | 4               | -             | 1          |
| PC12. adopt a gender neutral behavior   | 2            | 4               | -             | 1          |
| PC13. adopt responsible and disciplined behaviours at the workplace   | 3            | 4               | -             | 1          |
| <b>NOS Total</b>  | <b>30</b>    | <b>50</b>       | -             | <b>20</b>  |

## National Occupational Standards (NOS) Parameters

|                            |                              |
|----------------------------|------------------------------|
| <b>NOS Code</b>            | ISC/N0009                    |
| <b>NOS Name</b>            | Work effectively with others |
| <b>Sector</b>              | Iron & Steel                 |
| <b>Sub-Sector</b>          | Generic                      |
| <b>Occupation</b>          | Generic                      |
| <b>NSQF Level</b>          | 3                            |
| <b>Credits</b>             | TBD                          |
| <b>Version</b>             | 2.0                          |
| <b>Last Reviewed Date</b>  | NA                           |
| <b>Next Review Date</b>    | NA                           |
| <b>NSQC Clearance Date</b> |                              |



## **ISC/N0108: Prepare for the stacker / re-claimer operation**

### **Description**

This OS unit is about inspecting & preparing the stacker / re-claimer for activities that need to be carried out.

### **Scope**

The scope covers the following:

- Identify work requirements
- Inspect and prepare the stacker / re-claimer for operation

### **Elements and Performance Criteria**

#### *Identify work requirements*

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

- PC1. identify the work requirements from the instructions received from supervisor and interpreting information from previous day/shift logbook
- PC2. prepare a work plan to carry out the job
- PC3. identify and arrange tools, tackles & equipment required to perform the operation

#### *Inspect and prepare the stacker / re-claimer for operation*

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

- PC4. inspect the parts of the stacker / Re-Claimer i.e. conveyor idlers, guide pulleys, belt joints, drums etc. are in proper working condition and functioning properly before starting
- PC5. inspect the material that is likely to be conveyed for moisture content, quality, boulders, etc.
- PC6. obtain clearances from service departments before the start of the conveyor
- PC7. ensure that the site is free from obstructions for the movement of stacker / Re- Claimer
- PC8. report damaged / defective components of equipment as per the escalation matrix

### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- KU1. relevant standards and procedures followed in the company
- KU2. quality and damage checks to be done and importance of the same
- KU3. risk and impact of not following defined procedures/work instructions
- KU4. basic technology used in and functioning of various systems and components of the stacker / Re-Claimer
- KU5. working principle of stacker / Re-Claimer
- KU6. associated equipment, accessories and components of stacker / Re-Claimer
- KU7. normal running characteristics of stacker / Re-Claimer
- KU8. how to inspect stacker / Re-Claimer and its components before operation

## Generic Skills (GS)

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

- GS1. read work instructions, equipment manuals and process documents
- GS2. communicate the process requirements to the supervisor and co-workers
- GS3. attentively listen and comprehend the information given by the supervisor/team members
- GS4. write work related information in English/regional language
- GS5. recognise a workplace problem and take suitable action
- GS6. plan and organise work according to the work requirements
- GS7. complete the assigned tasks with minimum supervision
- GS8. report to the supervisor or deal with a colleague individually, depending on the type of concern



## Assessment Criteria

| Assessment Criteria for Outcomes   | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Identify work requirements</i>  | 11           | 15              | -             | 5          |
| PC1. identify the work requirements from the instructions received from supervisor and interpreting information from previous day/shift logbook  | 2            | 4               | -             | 1          |
| PC2. prepare a work plan to carry out the job  | 3            | 5               | -             | 1          |
| PC3. identify and arrange tools, tackles & equipment required to perform the operation   | 6            | 6               | -             | 3          |
| <i>Inspect and prepare the stacker / re-claimer for operation</i>  | 19           | 35              | -             | 15         |
| PC4. inspect the parts of the stacker / Re-Claimer i.e. conveyor idlers, guide pulleys, belt joints, drums etc. are in proper working condition and functioning properly before starting | 6            | 14              | -             | 5          |
| PC5. inspect the material that is likely to be conveyed for moisture content, quality, boulders, etc.  | 5            | 11              | -             | 4          |
| PC6. obtain clearances from service departments before the start of the conveyor   | 3            | 4               | -             | 3          |
| PC7. ensure that the site is free from obstructions for the movement of stacker / Re- Claimer  | 3            | 3               | -             | 1          |
| PC8. report damaged / defective components of equipment as per the escalation matrix   | 2            | 3               | -             | 2          |
| <b>NOS Total</b>   | <b>30</b>    | <b>50</b>       | <b>-</b>      | <b>20</b>  |

## National Occupational Standards (NOS) Parameters

|                     |  |
|---------------------|--|
| NOS Code            | ISC/N0108  |
| NOS Name            | Prepare for the stacker / re-claimer operation           |
| Sector              | Iron & Steel   |
| Sub-Sector          | Steel, Sponge Iron, Ferro Alloys, Re-Rollers, Refractory |
| Occupation          | Raw Material Handling                                    |
| NSQF Level          | 3  |
| Credits             | TBD  |
| Version             | 2.0  |
| Last Reviewed Date  | NA   |
| Next Review Date    | NA   |
| NSQC Clearance Date |  |



## **ISC/N0109: Carry out stacker / re-claimer operation**

### **Description**

This OS unit is about carrying out operation of Stacker / Re-Claimer.

### **Scope**

The scope covers the following:

- Operate the Stacker / Re-Claimer

### **Elements and Performance Criteria**

#### *Operate the Stacker / Re-Claimer*

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

- PC1. interpret the previous shift/day log book to check readiness of the Stacker / Re-Claimer
- PC2. obtain clearances from service departments about the fitness of the equipment
- PC3. start the stacker / Re-Claimer
- PC4. stack the material as prescribed by the superior
- PC5. follow safety practices such as wear safety belt & helmet, do not use phones etc. while operating
- PC6. ensure complete starting of the raw material handling system
- PC7. ensure all activities are complete according to checklist
- PC8. carry out periodical inspection of running units of Stacker / Re-Claimer
- PC9. record the deviations/faults as detected through visual inspection and inform the supervisor
- PC10. coordinate with the concerned team/department for rectification/replacement as necessary to ensure uninterrupted operation
- PC11. record the activity logs in the log book for record

### **Knowledge and Understanding (KU)**

The individual on the job needs to know and understand:

- KU1. relevant standards and procedures followed in the company
  - KU2. quality and damage checks to be done and importance of the same
  - KU3. risk and impact of not following defined procedures/work instructions
  - KU4. basic technology used in and functioning of various systems and components of the Stacker / Re-Claimer
  - KU5. associated equipment, accessories and components of Stacker / Re-Claimer
  - KU6. normal running characteristics of Stacker / Re-Claimer
  - KU7. SOP recommended by the manufacturer for using Stacker / Re-Claimer
  - KU8. operation and safety aspects of the Stacker / Re-Claimer
  - KU9. possible causes of common problems during operation of Stacker / Re-Claimer and remedies
- Indian Iron and Steel Sector Skill Council

## Generic Skills (GS)

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

- GS1. read work instructions, equipment manuals and process documents
- GS2. communicate the process requirements to the supervisor and co-workers
- GS3. attentively listen and comprehend the information given by the supervisor/team members
- GS4. write work related information in English/regional language
- GS5. recognise a workplace problem and take suitable action
- GS6. plan and organise work according to the work requirements
- GS7. complete the assigned tasks with minimum supervision
- GS8. report to the supervisor or deal with a colleague individually, depending on the type of concern

## Assessment Criteria

| Assessment Criteria for Outcomes   | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Operate the Stacker / Re-Claimer</i>  | <b>30</b>    | <b>50</b>       | -             | <b>20</b>  |
| PC1. interpret the previous shift/day log book to check readiness of the Stacker / Re-Claimer                                    | 2            | 3               | -             | 1          |
| PC2. obtain clearances from service departments about the fitness of the equipment   | 2            | 3               | -             | 1          |
| PC3. start the stacker / Re-Claimer  | 3            | 5               | -             | 1          |
| PC4. stack the material as prescribed by the superior  | 6            | 12              | -             | 4          |
| PC5. follow safety practices such as wear safety belt & helmet, do not use phones etc. while operating                           | 1            | 2               | -             | 1          |
| PC6. ensure complete starting of the raw material handling system  | 3            | 5               | -             | 2          |
| PC7. ensure all activities are complete according to checklist   | 3            | 5               | -             | 2          |
| PC8. carry out periodical inspection of running units of Stacker / Re-Claimer  | 3            | 5               | -             | 3          |
| PC9. record the deviations/faults as detected through visual inspection and inform the supervisor                                | 3            | 4               | -             | 2          |
| PC10.coordinate with the concerned team/ department for rectification/replacement as necessary to ensure uninterrupted operation | 2            | 3               | -             | 2          |
| PC11.record the activity logs in the log book for record   | 2            | 3               | -             | 1          |
| <b>NOS Total</b>   | <b>30</b>    | <b>50</b>       | -             | <b>20</b>  |

## National Occupational Standards (NOS) Parameters

|                            |  |
|----------------------------|--|
| <b>NOS Code</b>            | ISC/N0109  |
| <b>NOS Name</b>            | Carry out stacker / re-claimer operation                 |
| <b>Sector</b>              | Iron & Steel   |
| <b>Sub-Sector</b>          | Steel, Sponge Iron, Ferro Alloys, Re-Rollers, Refractory |
| <b>Occupation</b>          | Raw Material Handling                                    |
| <b>NSQF Level</b>          | 3  |
| <b>Credits</b>             | TBD  |
| <b>Version</b>             | 2.0  |
| <b>Last Reviewed Date</b>  | NA   |
| <b>Next Review Date</b>    | NA   |
| <b>NSQC Clearance Date</b> |  |

## 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

**Minimum Aggregate Passing % at QP Level: 70**

### Assessment Weightage

#### Compulsory NOS

| National Occupational Standards                                    | Theory Marks | Practical Marks | Project Marks | Viva Marks | Total Marks | Weightage  |
|--|--------------|-----------------|---------------|------------|-------------|------------|
| ISC/N0008. Use basic health and safety practices at the work place | 30           | 50              | 0             | 20         | 100         | 15         |
| ISC/N0009. Work effectively with others                            | 30           | 50              | 0             | 20         | 100         | 15         |
| ISC/N0108. Prepare for the stacker / re-claimer operation          | 30           | 50              | 0             | 20         | 100         | 35         |
| ISC/N0109. Carry out stacker / re-claimer operation                | 30           | 50              | 0             | 20         | 100         | 35         |
| <b>Total</b>   | <b>120</b>   | <b>200</b>      | <b>0</b>      | <b>80</b>  | <b>400</b>  | <b>100</b> |

## Acronyms

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



## Glossary

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

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