



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR LOGISTICS SECTOR

What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- Sare performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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Introduction

Qualifications Pack: Cold Chain Manager

SECTOR: LOGISTICS

SUB-SECTOR: Cold Chain

OCCUPATION: Operations

REFERENCE ID: LSC/Q8702

ALIGNED TO: NCO-2015/ NIL

The Cold Chain Manager is responsible for overseeing end to end cold chain operations including refrigerated storage, transportation and data entry operations

Brief Job Description: The individual at work is responsible for managing temperature sensitive logistics planning, strategic human resource management, supervise product handling and effective performance in cold storage plant.

Personal Attributes: The job requires the individual to have: attention to details, flexibility to move from one location to another, ability to work in low temperature conditions, good eye sight, arm-hand steadiness and ability to withstand changing temperature conditions from one facility to another.





Qualifications Pack Code		LSC/Q8702	
Job Role	Cold Chain Manager		
Credits(NSQF)	TBD	Version number	1.0
Sector	Logistics	Drafted on	26/08/16
Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20
NSQC Clearance on		NA	

Job Role	Cold Chain Manager	
Role Description	Overseeing end to end cold chain operations including refrigerated storage, transportation and data entry operations	
NSQF	7	
Minimum Educational Qualifications	Graduate	
Maximum Educational Qualifications	Post Graduate	
Training (Suggested but not mandatory)	Not Applicable	
Minimum Job Entry Age	18 years	
Experience	Minimum preferable 15 years experience in cold room operations	
Applicable National Occupational Standards (NOS)	 LSC/N8708 Administer manpower planning and labor management across cold chain operations LSC/N8709 Ensure smooth and effective execution of cold chain operation LSC/N8710 Monitor and improvise perishable product handling activities LSC/N8711 Oversee route planning and reefer/non-reefer vehicle coordination LSC/N8712 Supervise Data entry/MIS reports management LSC/N9901 Maintain food and personnel safety, health and hygiene in cold storage plant LSC/N9902 Communicate effectively with colleagues and clients Optional: NA 	
Performance Criteria	As described in the relevant OS units	

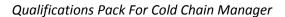


Qualifications Pack For Cold Chain Manager



Keywords /Terms	Description
Core Skills/Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the NOS, these include communication related skills that are applicable to most job roles.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of NOS.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
National Occupational Standards (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Organisational Context	Organisational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
Qualifications Pack(QP)	Qualifications Pack comprises the set of NOS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Scope	Scope is the 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 the quality of performance required.
Sector	Sector is a conglomeration of different business operations having similar businesses 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.
Sub-functions	Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.







Acronyms

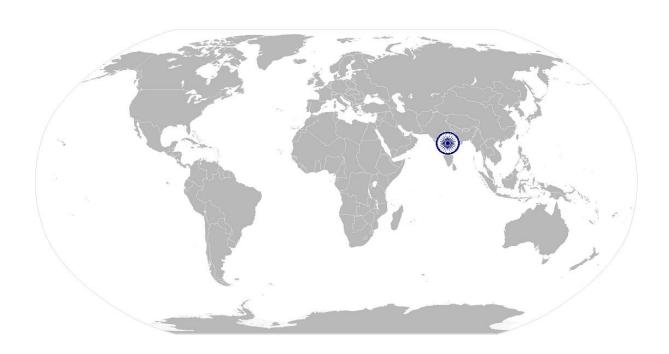
Keywords /Terms	Description
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
os	Occupational Standards
OH&S	Occupational Health and Safety
PPE	Personal Protective Equipment
HR	Human Resources







National Occupational Standard



Overview

This unit is about labor requirement planning, review of worker training in the cold chain facility and assisting head HR with operational level worker details in taking appropriate recruitment, attrition and labor welfare decisions.



Unit Code





LSC/N8708 Administer manpower planning and labor management across cold chain operations

LSC/N8708

Unit Title (Task)	Administer manpower planning and labor management across cold chain operations		
Description	This OS unit is about labor requirement planning, review of worker training in the cold chain facility and assisting head HR with operational level worker details in taking appropriate recruitment, attrition and labor welfare decisions.		
Scope	This unit/task covers the following:		
	Identify and review training requirements for cold chain operations		
	Assist head HR in recruitment and attrition decisions		
	 Make decisions on health and fitness of employees for carrying out cold chain operations 		
	operations —		
	Range: Manual platform trolleys, self-propelled platform trolleys, manual or self-propelled pallet trucks, belt, chain or roller conveyors, either gravity or self-propelled		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
Identifying and	To be competent, the user/ individual must be able to:		
reviewing training	PC1. identify HACCP (Hazard Analysis and Critical Control Points), HAZMAT		
requirements for cold chain	(Hazardous Material) and other training certifications required to be taken by		
operations	workers PC2. ensure timely revision of training requirements based on technological		
	developments and new equipments introduced in the facility		
	PC3. attend conferences and seminars conducted by national cold chain		
	associations for updates in cold chain segment		
	PC4. update maintenance and quality assurance department about technological		
	developments incorporated in company's cold chain; operations		
	PC5. ensure updated training requirements are appropriately communicated to		
	workers		
Assisting head HR in	To be competent, the user/ individual must be able to:		
recruitment and attrition decisions	PC6. keep track of workers employed across departments PC7. identify location from where workers should be hired, based on urgency of		
attrition decisions	requirement		
	PC8. identify skill sets required in workers for product specific operations, for eg:		
	ability to handle stress during urgent delivery requirement etc.		
	PC9. provide prior information on expected labor force requirement to head hr		
	PC10. supervise transfer of employees from one department to the other based on		
	requirement		
	PC11. initiate discussion with workers to analyze the cause of worker attrition		
	PC12. assist head hr in designing corrective mechanism to reduce attrition		







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Making decisions on	To be competent, the user/ individual must be able to:
health and fitness of	PC13. take charge of illness or injury incurred to workers during cold chain
employees for	operations and update the same to head hr
carrying out cold	PC14. ensure timely fitness reports are prepared for every employee
chain operations	PC15. take non conformance decision in case employee fitness levels do not match
	the requirements
	· · · · · · · · · · · · · · · · · · ·
	PC16. analyze the cause of illness or injury of employees
	PC17. update the instructions on fitness requirements and safety measures in the
	cold storage facility
Knowledge and Unders	standing (K)
A. Organizational	The individual on the job needs to know and understand:
Context	KA1. company's reporting structure
	KA2. individual's role in cold chain process flow
(Knowledge of the	KA3. occupational health and safety standards
company /	KA4. existing quality control standards followed by various industry players
organization and	KA5. quality control standards that are applicable to the company and the
its processes)	1 ' '
ιιο μι συσσού,	products on which they are applicable
	KA6. company's policies, standard operating procedures and governance structure
	KA7. action taken in case of breach of defined procedures/work instructions
	KA8. company's personnel management and incentive rules
	KA9. clients and suppliers of the company
B. Technical	The individual on the job needs to know and understand:
Knowledge	KB1. HACCP (Hazard analysis and critical control points), HAZMAT (Hazardous
	material) and other training certifications required to be taken by workers
	KB2. appropriate PPE (Personal Protective Equipment) including gloves, jacket,
	shoes, goggles to be worn by operators
	KB3. types of goods in which the company deals
	KB4. characteristics of the products being handled. for eg: odor, texture, size,
	weight, stickiness, effect of exposure to water etc.
	KB5. existing labor laws and labor welfare schemes
	KB6. product specific quality control and assurance standards
	KB7. operational understanding of the safety precautions to be taken for product
	handling
	KB8. geographical distribution of labor force possessing the required skill sets . for
	e.g.: workers may be hired from Chittoor belt which has many cold storage
	facilities. thus, the local labor force will already possess the required skill sets
	and need not be trained after recruitment
	KB9. appropriate Material Handling Equipment (MHE) to be used according to the
	size and quantity of goods
	KB10. types of workplace hazards that one can encounter in product handling
	KB11. steps and remedial measures to be taken in case of injury or hazard caused
	due to improper product handling
	KB12. recruitment procedure for labor force used by the company
Skills (S)	







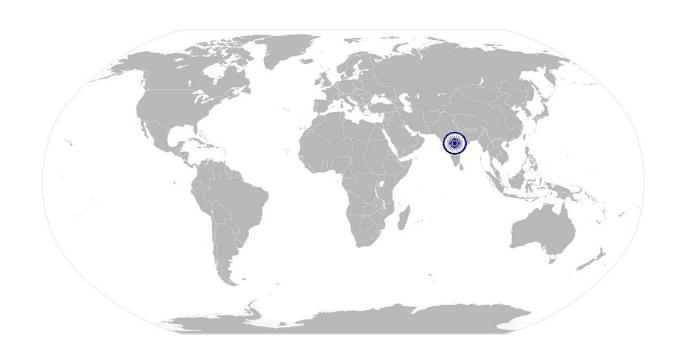
operations			
A. Core Skills/	Reading Skills		
Generic Skills	The user/individual on the job needs to know and understand how to: SA1. read instructions on workplace hazards and handling requirements for goods SA2. read recruitment procedure and labor policies Writing Skills		
	The user/individual on the job needs to know and understand how to: SA3. maintain records of workers who got injured, were replaced or substituted in place of another worker etc. SA4. update safety instructions based on technological changes Oral Communication (Listening and Speaking skills)		
	The user/individual on the job needs to know and understand how to: SA5. initiate discussion with workers to understand their grievance SA6. communicate decisions to workers relating to non-conformance of safety standards or corrective actions to be taken in case of injury SA7. communicate types of workplace hazards, safety precautions and remedial measures to be taken SA8. communicate with HR regarding worker performance, recruitment procedure, reason for attrition etc.		
B. Professional Skills	Decision Making		
	The user/individual on the job needs to know and understand how to: SB1. take non conformance decision on health and safety SB2. identify whether worker training requirement should be updated Plan and Organize The user/individual on the job needs to know and understand how: SB3. prioritize and execute tasks such as transferring labor from one department to the other, providing prior information about labor force requirement to head hr etc. in an efficient manner SB4. plan and organize distribution of workers along different stages of cold chain		
	Customer Centricity		
	The user/individual on the job needs to know and understand how to: SB5. identify customer requirements with respect to quality expectations SB6. identify goods that are in high demand in market and those for which demand is expected to increase in future		
	Problem Solving		
	The user/individual on the job needs to know and understand how to: SB7. execute remedial measures in case of injury or hazard in handling technique SB8. make decision for short term recruitment in case of urgent requirement		
	Analytical Thinking		
	The user/individual on the job needs to know and understand how to: SB9. understand labor requirement based on schedule of activities across the cold chain SB10. analyze technological developments taking place in industry and identify if		
	training and safety instructions need to be updated		







Critical Thinking
The user/individual on the job needs to know and understand how to:
SB11. identify appropriate location from where workers should be chosen
SB12. execute appropriate remedial measures in case of injury or hazard in handling
technique









NOS Version Control

NOS Code		LSC/N8708	
Credits(NSQF)	TBD	Version number	1.0
Industry	Logistics	Drafted on	26/08/16
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20



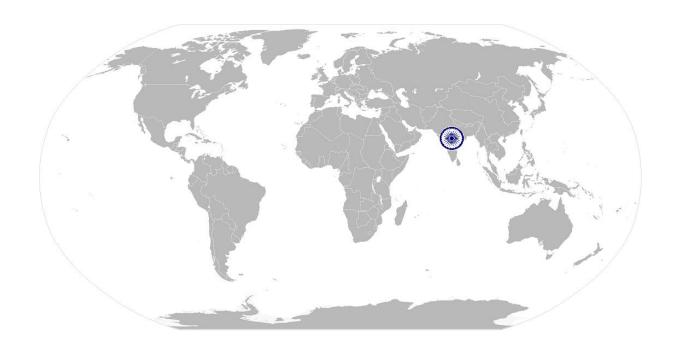






LSC/N8709 Ensure smooth and effective execution of cold chain operation

National Occupational Standard



Overview

This unit is about taking corrective and preventive action across the cold chain from the time goods enter the cold storage facility till they reach consumption centres and ensure smooth and timely flow of cold chain operations







LSC/N8709	Ensure smooth and effective execution of cold chain operation
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Unit Code	LSC/N8709
Unit Title (Task)	Oversee Ensure smooth and effective execution of cold chain operation
Description	This OS unit is about taking corrective and preventive action across the cold chain from the time goods enter the cold storage facility till they reach consumption centres and ensure smooth and timely flow of cold chain operations
Scope	 This unit/task covers the following: Take preventive and corrective action and non conformance decision in case of interruption in cold storage facility Assist in budget development and exercise budgetary control over warehouse operations Liaison with maintenance head in case of interruptions in cold storage operations Range: Manual platform trolleys, self-propelled platform trolleys, manual or self-propelled pallet trucks, belt, chain or roller conveyors, either gravity or self-propelled

Performance Criteria(PC) w.r.t. the Scope

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Element	Performance Criteria		
Taking preventive	To be competent, the user/ individual must be able to:		
and corrective	PC1. initiate action to prevent occurrence of any microbiological non-conformities		
action and non	at any stage of cold chain operations		
conformance	PC2. analyze and find root cause in case of delays at different stages of the cold		
decision in case of	chain operations. for e.g.: a delay in grading of goods may be due to excessive		
interruption in cold	drying of goods in the previous stage of grading line operations or due to		
storage facility	extra time taken in unloading because of improper space management		
	PC3. stop operations whenever there is likelihood of occurrence that could affect		
	product safety and personnel safety or any other emergence		
	PC4. ensure effective implementation of cleaning schedule for all equipments and		
	machines is followed		
Assisting in budget	To be competent, the user/ individual must be able to:		
development and	PC5. understand requirements of cold storage equipments from perishable		
exercising budgetary	product handling specialist		
control over	PC6. identify expenditure required on refrigeration equipments and associated		
warehouse	tools		
operations	PC7. estimate maintenance and upgradation expenditure expected to be incurred on machines and equipments		
	PC8. identify worker expenses incurred for day-to-day activities such as food,		
	travel etc.		
	PC9. ensure correct details of number of workers is provided to budget control		
	team		
	PC10. estimate maximum expenditure that might be required to be incurred in		
	situations of crisis, for e.g.: accident, leakage, injury etc.		
Liaisoning with	To be competent, the user/ individual must be able to:		
maintenance head in	PC11. ensure timely compliance of calibration schedule for equipments is followed		
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LSC/N8709 Ensure smooth and effective execution of cold chain operation

LSC/N8/09 Ensu	re smooth and effective execution of cold chain operation		
case of interruptions	PC12. update maintenance head and follow up in case equipments and instruments		
in cold storage	are not functioning properly		
operations	PC13. follow up with maintenance head in case of uninterrupted supply of		
	electricity and water		
	PC14. ensure equipments are replaced in appropriate time period based on their		
	working efficiency and inputs from workers, for eg: timely replacement of		
	refrigeration valves		
	PC15. supervise upgradation of evaporators, compressors etc.		
A. Organizational	The individual on the job needs to know and understand:		
Context	KA1. company's reporting structure		
(Knowledge of the	KA2. individual's role in cold chain process flow		
	KA3. occupational health and safety standards		
company /	KA4. existing quality control standards followed by various industry players		
organization and	KA5. quality control standards that are applicable to the company and the		
its processes)	products on which they are applicable		
,			
	KA6. company's policies, standard operating procedures and governance structure		
	KA7. action taken in case of breach of defined procedures/work instructions		
	KA8. company's personnel management and incentives rules		
	KA9. clients and suppliers of the company		
B. Technical	The individual on the job needs to know and understand:		
Knowledge	KB1. ideal time required for each cold chain activity		
	KB2. process flow of cold chain operation		
	KB3. types of goods in which the company deals		
	KB4. characteristics of the products being handled, for eg: texture, odour,		
	stickiness etc.		
	KB6. measurement units and scales used in cold storage equipments		
	KB7. calibration schedule and correct measurements according to which		
	calibration is done		
	KB8. maximum permissible cost norms for equipments, if any		
	KB9. product market of cold chain equipments (demand, supply, price etc.) and		
	costing of machines and support tools		
	KB10. appropriate Material Handling Equipment (MHE) to be used according to the		
	size and quantity of goods for efficient loading		
	KB11. types of workplace hazards that one can encounter in product handling		
	KB12. steps and remedial measures to be taken in case of injury or hazard caused		
	due to improper product handling and corresponding expenditure expected		
	to be incurred		
Cl :II. (C)	to be incurred		
Skills (S)			
A. Core Skills/	Reading Skills		
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. read budget statements		
	SA2. read scales and units of cold storage equipments like compressors, evaporators		
	etc.		
	Writing Skills		
	The user/individual on the job needs to know and understand how to:		







LSC/N8709 Ensur	re smooth and effective execution of cold chain operation			
	SA3. maintain records of expenditure incurred			
	SA4. write details of equipments and tools requirement as communicated by			
	product handling specialist			
	SA5. maintain records of time periods in which equipments are replaced and			
	calibrated			
	Oral Communication (Listening and Speaking skills)			
	The user/individual on the job needs to know and understand how to:			
	SA6. understand requirements of cold storage equipments from perishable product			
	handling specialist			
	SA7. coordinate with other supervisors and peers in english or accepted workplace			
	language			
B. Professional Skills	Decision Making			
	The user/individual on the job needs to know and understand how to:			
	SB1. estimate budget to be allocated for day-to-day worker expenses			
	SB2. identify correct number of workers required across every activity of cold			
	storage			
	Plan and Organize			
	The user/individual on the job needs to know and understand how to:			
	SB3. prioritize and execute tasks in an efficient manner			
	SB4. coordinate time with maintenance head for exchange of details			
	Customer Centricity			
	The user/individual on the job needs to know and understand how to:			
	SB5. identify customer requirements with respect to quality expectations			
	SB6. identify goods that are in high demand in market and those for which demand			
	is expected to increase in future			
	Problem Solving			
	The user/individual on the job needs to know and understand how to:			
	SB7. execute remedial measures in case of injury or hazard in handling technique			
	SB8. take appropriate action in case of microbiological non conformities at any stage			
	of cold chain			
	Analytical Thinking			
	The user/individual on the job needs to know and understand how to:			
	SB9. analyze and find root cause of delay and disruption of activities			
	Critical Thinking			
	The user/individual on the job needs to know and understand how to:			
	SB10. estimate maintenance and upgradation expenditure on equipments			
	SB11. identify if there is likelihood of occurrence that could affect product safety and			
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personnel safety or any other emergence



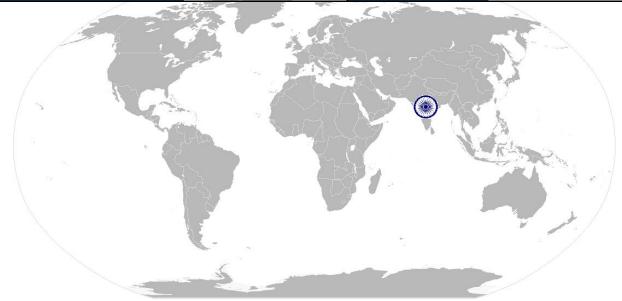




LSC/N8709 Ensure smooth and effective execution of cold chain operation

NOS Version Control

NOS Code	LSC/N8709		
Credits(NSQF)	TBD	Version number	1.0
Industry	Logistics	Drafted on	26/08/16
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20





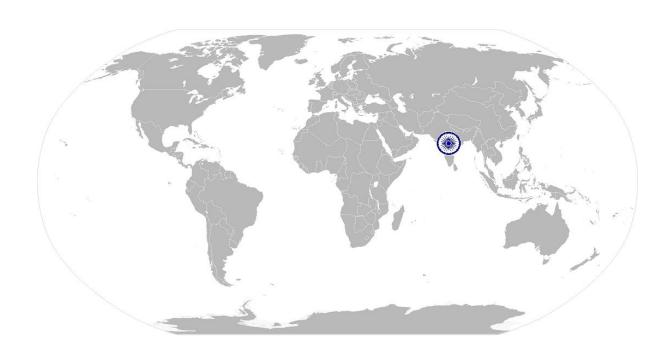




LSC/N8710

Monitor and improvise perishable product handling activities

National Occupational Standard



Overview

This unit is about keeping the product handling activities of cold chain in line with legal, technological changes and environmental laws in industry, supervising energy consumption and quality control and acting as a link between cold storage and pack house facilities located across multiple locations.







LSC/N8710 Monitor and improvise perishable product handling activities

Unit Code	LSC/N8710
Unit Title	Monitor and improvise perishable product handling activities
(Task)	ivionitor and improvise pensilable product handing activities
Description	This OS unit is about keeping the product handling activities of cold chain in line with legal, technological changes and environmental laws in industry, supervising energy consumption and quality control and acting as a link between cold storage and pack house facilities located across multiple locations.
Scope	 This unit/task covers the following: Update internal systems and machines based on changes taking place in legal, technological and environmental norms Administer product handling in cold storage operations Manage back end integrated pack houses and establish link with cold storage facility at multiple locations Supervise cold chain quality control Range: Manual platform trolleys, self-propelled platform trolleys, manual or self-propelled pallet trucks, belt, chain or roller conveyors, either gravity or self-propelled
Performance Criter	ria(PC) w.r.t. the Scope
Element	Performance Criteria

Element	Performance Criteria		
Updating internal	To be competent, the user/ individual must be able to:		
systems and	PC1. utilize alternate technologies and energy sources in the cold chain with the aim		
machines based on	to have a positive impact on the environment, for eg: solar powered		
changes taking place	refrigeration equipments		
in legal, technological	PC2. ensure standardisation of handling units of perishable products across all stages		
<u> </u>	of cold chain		
and environmental	PC3. explore multi modal transport options that can be used in the perishables		
norms	logistics chain, especially as speed and good handling is critical to maintaining		
	quality control		
	PC4. supervise modernisation or up gradation of refrigeration systems in existing		
	cold storages so as to result in substantial and measurable reduction in carbon		
	footprint of the facility and reduction in recurring cost of the power consumed		
	PC5. attend seminars and conferences organized by cold chain associations to get		
	information about latest updates in the sector		
Administering	To be competent, the user/ individual must be able to:		
product handling in	PC6. identify the appropriate product flow capacity – volume of commodities that		
cold storage	must be handled per unit of time		
operations	PC7. determine the appropriate cooling method and system based on volume of		
operations.	commodity handled per unit of time		
	PC8. conduct regular check up of the ripening chamber and ensure proper		
	documentation is done at every stage		
	PC9. supervise pre-cooling temperature and storage conditions		
	PC10. identify scope for resource integration or cross-functional utilization of		







LSC/N8710 Monitor and improvise perishable product handling activities

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	equipments across the cold chain
	PC11. participate in decision making for no. of fans, water pump capacity,
	refrigeration of condensing unit etc.
Managing back end	To be competent, the user/ individual must be able to:
integrated pack	PC12. supervise grading, sorting, washing and drying activities on the goods received
houses and	in pack house
	PC13. identify multiple market routing or value realization options of the graded
establishing link with	units, for eg: sending fresh produce directly to market for refrigeration,
cold storage facility	sending to pre-cooling units located at cold storage facility etc.
at multiple locations	PC14. supervise packaging for safe transport if the routing requires long travel to
	reach the pre-cooling unit or refrigerated consumption centres
	PC15. identify rural areas to be supported in the form of back end village level pack
	houses
	PC16. ensure goods are properly transported from back end pack house to the
	appropriate cold chain facility
	PC17. ensure uniform practices are followed at all cold storage facilities
Supervising cold	To be competent, the user/ individual must be able to:
chain quality control	PC18. maintain high levels of hygiene at all stages of the product's life
chain quanty control	PC19. together with the haccp (hazard analysis critical control point) team (including
	microbiologists and process engineers) construct a flow diagram for all
	product/process operations - list all hazards associated with each process step
	and the measures to eliminate or reduce hazards
	PC20. determine the step at which ccp (critical control point) can be applied in order
	to eliminate the hazard
	PC21. establish the target levels/tolerances for controlling the ccps
	PC22. establish/implement monitoring systems for controlling ccps
	PC23. identify corrective actions when a deviation occurs at a ccp
	PC24. establish a documentation system for procedures and records
Knowledge and Unders	standing (K)
	The user/individual on the job needs to know and understand:
A. Organizational	KA1. company's reporting structure
Context	KA2. individual's role in cold chain process flow
(Knowledge of the	KA3. occupational health and safety standards
company /	KA4. existing quality control standards followed by various industry players
organization and	KA5. quality control standards that are applicable to the company and the
	products on which they are applicable
its processes)	KA6. company's policies, standard operating procedures and governance
	structure
	KA7. action taken in case of breach of defined procedures/work instructions
	KA8. company's personnel management and incentives rules
	KA9. clients and suppliers of the company
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. type and characteristics of the products being handled – odour, texture, size,
	weight, stickiness etc.
	KB2. appropriate material handling equipment (MHE) to be used according to the







LSC/N8710 Mo	onitor and improv	ise perishable pro	duct handling activities
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	size and quantity of goods for officient leading		
	size and quantity of goods for efficient loading		
	KB3. changes in spoiled goods with respect to colour, dehydration and protein		
	content		
	KB4. appropriate grading criteria for goods		
	KB5. extent of chlorination required for washing of fruits		
	KB6. technique for measurement of hydration levels		
	KB7. identification of goods based on grading categories		
	KB8. appropriate oxygen and carbon dioxide levels to be maintained in the		
	grading line facility		
	KB9. appropriate water temperature used for washing		
	KB10. waste water recycling, reuse and disposal procedure		
	KB11. appropriate time required for each stage of pack house activity		
	, , ,		
	KB12. changes in spoiled goods with respect to colour, dehydration and protein content		
	KB13. time for which washed goods should be dried, in order to avoid shrinking and water loss		
	KB14. different types of trolleys used within the cold storage facility. for eg: trolleys		
	can be of following types two-wheeled trolleys - manual platform trolleys,		
	self-propelled platform trolleys, manual or self-propelled pallet trucks, belt,		
	chain or roller conveyors, either gravity or self-propelled.		
	, , ,		
	gantries, hand-stacking equipment, fork lift trucks, various types of		
	mechanised stacking equipment etc.		
	KB16. understand what handling requirements are appropriate for what types of		
	goods. for eg: some marine products are richer in aroma and thus should be		
	handled properly to ensure that aroma doesn't spread to other products		
	through hands or other tools used while handling.		
Skills (S)			
A. Core Skills/	Reading Skills		
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. read product codes, quantity and specifications provided		
	SA2. read instructions for safety precautions and material handling		
	Writing Skills		
	The user/ individual on the job needs to know and understand how to:		
	SA3. maintain records of goods passing through each stage of grading line		
	SA4. mention details of rejected goods, along with reason for rejection		
	Oral Communication (Listening and Speaking skills)		
	The user/ individual on the job needs to know and understand how to:		
	SA5. communicate clear instructions to workers about handling techniques		
	SA6. give instructions about the identification of goods for different categories		
B. Professional Skills	Decision Making		
	The user/ individual on the job needs to know and understand how to:		
	SB1. decide criteria for grading of goods, for eg: market value, weight etc.		
	SB2. dispose waste water from washing of goods		







LSC/N8710 Monitor and improvise perishable product handling activities

Plan and Organize

The user/individual on the job needs to know and understand how to:

- SB3. schedule time for activities in each stage of grading line
- SB4. re-schedule and re-allocate workers across activities in case of requirement

Customer Centricity

The user/individual on the job needs to know and understand how to:

- SB5. enforce hygienic conditions as per product handling requirements
- SB6. segregate goods as per customer requirements

Problem Solving

The user/individual on the job needs to know and understand how to:

- SB7. handle delays in one stage of grading line operations so that it doesn't affect the other stage
- SB8. handle the situation if units of one grade get mixed with units of other grade

Analytical Thinking

The user/individual on the job needs to know and understand how to:

- SB9. plan the appropriate number of workers to be deployed in grading line operations
- SB10. make changes in grading line temperature conditions based on climatic changes

Critical Thinking

The user/individual on the job needs to know and understand how to:

- SB11. decided extent of chlorination required in water used for washing
- SB12. treat the waste water after washing, whether water should be disposed or recycled or reused
- SB13. decide appropriate time for which goods should be dried to avoid excessive water loss







LSC/N8710

Monitor and improvise perishable product handling activities

NOS Version Control

NOS Code	LSC/N8710		
Credits(NSQF)	TBD	Version number	1.0
Industry	Logistics	Drafted on	26/08/16
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20



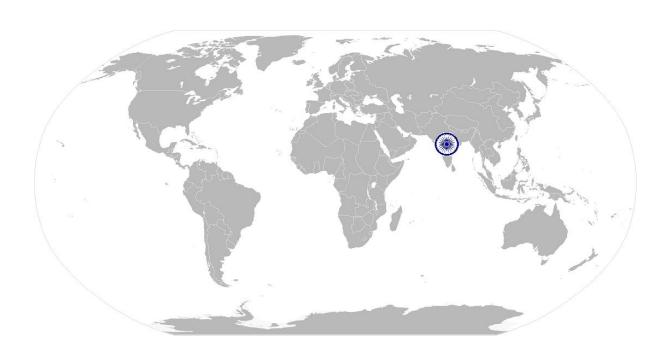




LSC/N8711

Oversee Route Planning and reefer/non-reefer vehicle coordination

National Occupational Standard



Overview

This unit is about overseeing refrigerated transportation and supervising route planning and coordination







Unit Code	LSC/N8711
Unit Title (Task)	Oversee Route Planning and reefer/non-reefer vehicle coordination
Description	This unit is about overseeing refrigerated transportation and supervising route planning and coordination
Scope	This unit/task covers the following:
	 Attend to client enquiries and orders Understand the client requirements Check the order requirements Assign duty to the reefer/non reefer vehicle operator Plan the routes Handle customer complaints and staff problems Monitor and follow up the travel Range: Manual platform trolleys, self-propelled platform trolleys, manual or self-
	propelled pallet trucks, belt, chain or roller conveyors, either gravity or self-propelled
Performance Criteria(F	PC) w.r.t. the Scope
Element	Performance Criteria
Attending to client	To be competent, the user/ individual must be able to:
enquiries and orders	 PC1. answer phone calls and emails of the clients regularly and promptly PC2. follow proper behavioural etiquettes with the clients whether face to face or on phone or e-mail PC3. be updated on availability of the products with the order received PC4. ensure the availability of vehicle and the vehicle operator for the delivery PC5. be aware of the other delivery schedules for the day PC6. review and revise transportation and delivery schedule based on priority PC7. take confirmations from the client and schedule the delivery PC8. update the order details and the time of booking to the MIS person for record
Understanding the	To be competent, the user/ individual must be able to:
client requirements	 PC9. understand from the clients on the type of products, the delivery date, quantity, delivery address, etc. PC10. confirm the delivery details with the clients PC11. update the clients on non availability of any products or reefer/non reefer vehicle as per their order and requirement PC12. send confirmation message or email to the clients along with the delivery summary and invoice PC13. maintain good rapport and relationships with the client
Checking the order	To be competent, the user/ individual must be able to:
requirements	PC14. ensure the order details and the products match PC15. check the reefer vehicle maintenance and cleanliness on daily basis PC16. ensure reefer vehicle is in proper working condition and meets the required
	PC16. ensure reefer vehicle is in proper working condition and meets the required







	cafoty standards
	safety standards
	PC17. check the temperature and pre cool of the reefer unit as set by the reefer
	vehicle operator
	PC18. verify the reefer/non reefer vehicle papers are in order
	PC19. ensure the safety precautions to be taken with respect to the product quality in
	terms of temperature maintenance and other storage conditions based on the
	type of product
Assigning duty to the	To be competent, the user/ individual must be able to:
reefer/non reefer	PC20. assign the reefer/ non reefer vehicle operator to be sent for the delivery
vehicle operator	PC21. brief the operator about the client and delivery details
- Синос орогия	PC22. coordinate the transportation routes and time schedule based on customer requirement
	PC23. advice the reefer/non reefer vehicle operators on their duty and responsibility
	to be carried out during the trip
	PC24. ensure the reefer/non reefer vehicle operators carry the necessary materials
	such as maps, GPS, client details, etc.
	PC25. monitor the various actions of the reefer/ non reefer vehicle operator such as
	maintenance of the vehicle, defrosting the reefer unit etc.
	PC26. ensure the reefer/non reefer vehicles leave for delivery at the designated time
8 1 1 11 1	To be competent, the user/ individual must be able to:
Planning the routes	PC27. plan the driving routes to ensure on time delivery
	PC28. provide the reefer/non reefer vehicle operator with GPS services for routes
	PC29. supervise the maps and driving directions of the reefer/non reefer vehicle
	operator to ensure efficient route service is provided
	PC30. incorporate changes to the schedule if required PC31. ensure safety and maintenance at the reefer vehicle
	PC32. verify the trip sheets submitted by the reefer/non reefer vehicle operator for
	mileage and fuel usage
Handling customer	To be competent, the user/ individual must be able to:
complaints and staff	PC33. listen to the customer complaints and problems
problems	PC34. ensure to take proper steps to rectify those problems with immediate action
	PC35. monitor the issues of reefer/non reefer vehicle operator such as licensing,
	safety, accidents, etc.
	PC36. investigate on various staff problems and provide with proper solution
Monitoring and	To be competent, the user/ individual must be able to:
following up the	PC37. ensure the quality of products on delivery
travel	PC38. communicate with the reefer/non reefer vehicle operators during trip in case of
	any emergency
	PC39. monitor the safe delivery of products at the appropriate temperature, pressure,
	humidity and other required parameters maintained
	PC40. verify the documentations provided by the reefer/non reefer vehicle operator
	PC41. coordinate with the client for payment details
	PC42. report and document the details of the travel
	PC43. monitor the control and discipline of the reefer/non reefer vehicle operator
	with the work







	DC44 track the vehicles before and during the inverse.		
	PC44. track the vehicles before and during the journey		
	PC45. achieve client satisfaction ensuring high level service with timely and quality		
	delivery as per requirement		
Knowledge and Unders	standing (K)		
A Overvientional	The user/individual on the job needs to know and understand:		
A. Organizational	KA1. company's reporting structure		
Context	KA2. individual's role in cold chain process flow		
(Knowledge of the	KA3. occupational health and safety standards		
company /	KA4. existing quality control standards followed by various industry players		
organization and	KA5. quality control standards that are applicable to the company and the		
	products on which they are applicable		
its processes)	KA6. company's policies, standard operating procedures and governance		
	structure		
	KA7. action taken in case of breach of defined procedures/work instructions		
	KA8. company's personnel management and incentives rules		
	KA9. clients and suppliers of the company		
B. Technical	The user/individual on the job needs to know and understand:		
Knowledge	KA10. inspection checks to be conducted at the pre-dispatch stage		
	KA11. how to operate metal detector and other inspection equipments		
	KA12. product names and codes used for labelling		
	KA13. vehicle maintenance and repair procedures		
	KA14. precautions to be taken to avoid damages to the product while in transit		
	KA15. site details and traffic management plan		
	KA16. temperature requirements for the various products and at the reefer		
	transport, for example,		
	marine products: -18 to -21 degrees		
	fruits and vegetables: -1 to 15 degrees; 95% to 98% rh; 65% to 75% rh for		
	onion and garlic; 40% to 50% rh for beans, dry fruits and vegetables		
	dairy: -20 to +4 degrees		
	dry fruits: 4 to 10 degrees		
	pharma - chemicals and vaccines: – 4 to 10 degree		
	KA17. check and usage of brakes, stepni, lights, petrol, accelerator, steering		
	control, gear, etc.		
	KA18. spacing and air flow specifications for loading into the reefer unit for		
	respective products		
	KA19. appropriate packaging material to be used based on product characteristics,		
	for eg: the materials used for the package must be new, clean and of such a		
	quality as to avoid causing any external or internal damage to the produce KA20. procedure for weighing, sealing and labelling		
	KA21. appropriate temperature for refrigerated transportation		
	KA21. appropriate temperature for refingerated transportation KA22. characteristics of goods being handled, for eg: tolerance to exposure to		
	water, stickiness, odour etc.		
	KA23. appropriate medium for client communications		
Skills (S)	TWES. appropriate medium for elicitic communications		
JKIIIS (3)			







A. Core Skills/	Reading Skills		
Generic Skills	The user/ individual on the job needs to know and understand how to:		
	SA1. read manufacturer specifications related to the vehicle		
	SA2. read standard operating procedures for service and maintenance		
	Writing Skills		
	The user/ individual on the job needs to know and understand how to:		
	SA3. write document details of maintenance and service activities		
	SA4. record details of faults and repair operations		
	SA5. write mail or message to be communicated to the client		
	SA6. maintain documentation of the product quality and conditions in transit		
	SA7. maintain documentation of trip details		
	Oral Communication (Listening and Speaking skills)		
	The user/ individual on the job needs to know and understand how to:		
	SA8. understand from the clients on the type of products, the delivery date,		
	quantity, delivery address, etc.		
	SA9. confirm the delivery details with the clients		
	SA10. coordinate with the concerned authority to report on any malfunctions or		
	repair		
B. Professional Skills	Decision Making		
	The user/ individual on the job needs to know and understand how to:		
	SB1. take decision on correct materials and tools to be used for vehicle		
	maintenance		
	SB2. evaluate the complaint raised by the customer and identify the right person		
	in the organization to address it		
	SB3. take a non conformance decision on the quality of goods before delivery		
	Plan and Organize		
	The user/ individual on the job needs to know and understand:		
	SB4. plan the vehicle maintenance and service at regular intervals		
	SB5. plan the driving routes to ensure on time delivery		
	SB6. supervise the maps and driving directions of the reefer/ non reefer vehicle		
	operator to ensure efficient route service is provided		
	Customer Centricity		
	The user/ individual on the job needs to know and understand:		
	SB7. customer demand and quality requirements		
	SB8. update the clients on non availability of any products or reefer/non reefer		
	vehicle as per their order and requirement		
	SB9. achieve client satisfaction ensuring high level service with timely and quality		
	delivery as per requirement		
	SB10. maintain quality and hygienic vehicle conditions to the extent expected by		
	customers		
	Problem Solving		
	The user/ individual on the job needs to know and understand how to:		
	SB11. solve customer complaints and reply promptly		







- SB12. resolve issues if vehicle routing and transit is delayed
- SB13. resolve the faults and malfunctions of the vehicle
- SB14. perform the emergency repairs such as changing tyres in case of puncture, checking on light bulbs, etc

Analytical Thinking

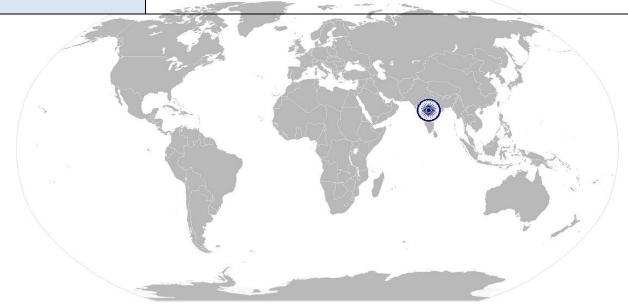
The user/individual on the job needs to know and understand how to:

- SB15. analyze the route and incorporate changes to the schedule if needed
- SB16. investigate on various staff problems and provide with proper solution
- SB17. assess whether the vehicle meets the required condition after the maintenance and service

Critical Thinking

The user/ individual on the job needs to know and understand how to:

- SB18. analyze process disruptions and delays
- SB19. monitor the temperature with appropriate device









LSC/N8711

Oversee Route Planning and reefer/non-reefer vehicle coordination

NOS Version Control

NOS Code	LSC/N8711		
Credits(NSQF)	TBD	Version number	1.0
Industry	Logistics	Drafted on	26/08/16
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20



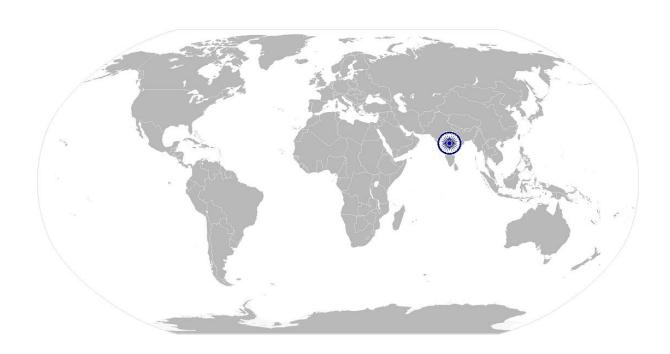






LSC/N8712

National Occupational Standard



Overview

This unit is about supervision and management of staff related problems and overseeing data entry operations







LSC/N8712 Supervise Data entry/MIS reports management

Unit Code	LSC/N8712	
Unit Title (Task)	Supervise Data entry/MIS reports management	
Description	This OS unit is about supervision and management of staff related problems and overseeing data entry operations	
Scope	This unit/task covers the following:	
	Supervise the work requirement	
	Monitor MIS and data entry operations	
	Attend staff related problems and issues	
	, the starr course processing and issued	
	Range: Manual platform trolleys, self-propelled platform trolleys, manual or self-	
	propelled pallet trucks, belt, chain or roller conveyors, either gravity or self-propelled	
Performance Criteria(F		
Element	Performance Criteria	
Supervising the work	To be competent, the user/ individual must be able to:	
requirement	PC1. coordinate with the different departments such as storage, transportation,	
	etc.	
	PC2. brief the data entry executive on the join ious documentations to be done PC3. check the obtained information and documents to be updated	
	PC4. study the documents in detail and understand the requirements	
Monitoring MIS and	To be competent, the user/ individual must be able to:	
data entry operations	PC5. check the best software tool identified to update the data	
data citti y operations	PC6. identify the latest technology updates that would support the data entry	
	requirements	
	PC7. examine the required software to perform the MIS and data entry operation	
	PC8. monitor the working of the software and the procedure to update	
	PC9. coordinate with the respective departments in case if any additional inputs or	
	documents are required	
	PC10. review the entered information and compare with the original source document	
	PC11. verify the output for errors and brief the data entry operators	
	PC12. ensure the update happens on a regular basis	
	PC13. ensure to maintain the documentation and quality standards to be used in	
	the data entry operation	
	PC14. conduct consistent check on the software and database stored	
	PC15. ensure to maintain the files updated in software as well as the source	
	documents securely	
Attending staff	To be competent, the user/ individual must be able to:	
related problems and	PC16. listen to the complaints or problems of the staff	
issues	PC17. monitor the issues such as software problem, malfunctions, inadequate or	
	unclear information or any other technical problems	
	PC18. ensure access to relevant files, documents and information to the data entry	







LSC/N8712 Supervise Data entry/MIS reports management

	an austau aa waa u iya d
	operator as required PC19. ensure to take proper steps to resolve the issues
	PC13. ensure to take proper steps to resolve the issues
Knowledge and Under	standing (K)
A Organizational	The user/individual on the job needs to know and understand:
A. Organizational	KA1. company's reporting structure
Context	KA2. individual's role in cold chain process flow
(Knowledge of the	KA3. occupational health and safety standards
company /	KA4. existing quality control standards followed by various industry players
organization and	KA5. quality control standards that are applicable to the company and the
its processes)	products on which they are applicable
μ. σοσσος,	KA6. company's policies, standard operating procedures and governance structure
	KA7. action taken in case of breach of defined procedures/work instructions
	KA8. company's personnel management and incentives rules
	KA9. clients and suppliers of the company
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. how to operate MIS
	KB2. computer and its terminologies
	KB3. softwares available to maintain MIS
	KB4. how to work on different software goded for report writing including MS
	office suit or open source office
	KB5. basic data analysis techniques used to make inferences
	KB6. latest technology updates that would support the data entry requirements KB7. quality control and assurance standards
	KB7. quality control and assurance standards KB8. characteristics of goods being handled, for eg: tolerance to exposure to
	water, stickiness, odour etc.
	KB9. appropriate medium for client communications
	KB10. product names and codes used for labelling
Skills (S)	ND10. —product numes and codes used for labelling
A. Core Skills/	Reading Skills
Generic Skills	The user/ individual on the job needs to know and understand:
Generic Skiiis	SA1. read and understand manuals, SOPs, instructions, memos, reports, job cards
	etc
	SA2. review the entered information and compare with the original source
	document
	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA3. fill all data processing forms accurately
	SA4. maintain the files in software as well as the source documents securely
	Oral Communication (Listening and Speaking skills)
	The user/ individual on the job needs to know and understand how to:
	SA5. coordinate with the different departments such as storage, transportation,
	etc.







LSC/N8712 Supervise Data entry/MIS reports management

SA6. verify the output for errors and brief the data entry operators Tofessional Skills Decision Making The user/individual on the job needs to know and understand how to:			
• • • • • • • • • • • • • • • • • • • •			
The user/individual on the job needs to know and understand how to:	B. Professional Skills		
SB1. identify the right person from organization to address the problem			
SB2. identify appropriate software to be used to maintain MIS			
Plan and Organize			
The user/individual on the job needs to know and understand:			
SB3. plan random check on the software and database stored			
SB4. coordinate with the respective departments in case any additional inputs or			
documents are required			
Customer Centricity			
The user/individual on the job needs to know and understand:			
SB5. identify customer demand and quality requirements			
SB6. achieve client satisfaction ensuring high level service with timely and quality			
delivery as per requirement			
Problem Solving			
The user/individual on the job needs to know and understand how to:			
SB7. monitor the issues such as software problem, malfunctions, inadequate or			
unclear information or any other technical problems			
	SB8. ensure to take proper steps to resolve the issues		
Analytical Thinking	Analytical Thinking		
The user/individual on the job needs to know and understand how to:	T		
SB9. apply basic logic to identify data errors			
SB10. analyze the database and identify which software will be appropriate to store			
the database			
SB11. evaluate if the data is stored correctly in the MIS	_		
Critical Thinking			
The user/individual on the job needs to know and understand how to:			
SB12. analyze process disruptions and delays			
SB13. investigate on various staff problems and provide proper solution			
SB14. understand if any new information is required to be captured from customers			





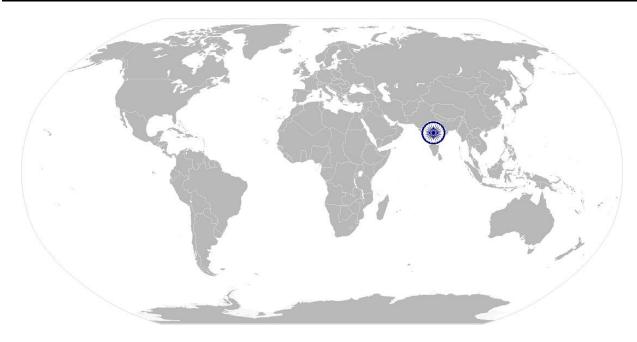


LSC/N8712

Supervise Data entry/MIS reports management

NOS Version Control

NOS Code	LSC/N8712		
Credits(NSQF)	TBD	Version number	1.0
Industry	Logistics	Drafted on	26/08/16
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17
Occupation	Operations – Cold Storage	Next review date	11/01/20









LSC/N9901 Maintain food and personnel safety, health and hygiene in cold storage plant

National Occupational Standard



Overview

This unit is about complying with safety, health and hygiene at the workplace to have a hazard-free environment and avoid downtime







LSC/N9901 Maintain food and personnel safety, health and hygiene in cold storage plant

Unit Code	LSC/N9901	
Unit Title (Task)	Maintain food and personnel safety, health and hygiene in cold storage plant	
Description	This OS unit is about complying with safety, health and hygiene at the workplace to have a hazard-free environment and avoid downtime	
Scope	This unit/task covers the following:	
	Talle managetic management and the social consists and	
	 Take precautionary measures to avoid work hazards Follow standard health, safety and hygiene procedures 	
Performance Criteria(P	PC) w.r.t. the Scope	
Element	Performance Criteria	
Taking precautionary measures to avoid work hazards	To be competent, the user/ individual must be able to: PC1. assess the various health, safety and environmental hazards in the cold storage PC2. take necessary steps to eliminate or minimize the hazards PC3. analyze the causes of accidents at the workplace PC4. take preventive measures to avoid risk of cold burns and other injury due to contact with hot surfaces, gas, fire, hot fluids/ liquids, etc. PC5. ensure the employees have access to first aid kit when needed PC6. ensure to use personal protective equipment and safety gear such as gloves, jacket, footwear etc. for loading and unloading material in cold rooms to protect themselves from hypothermia, frostbite etc PC7. ensure to display safety signs at places where necessary for people to be cautious PC8. use rubber mats in the places where floors are constantly wet PC9. ensure electrical precautions such as insulated clothing, adequate equipment insulation, dry work area, switch off the power supply when not required, etc PC10. display emergency exit plan at prominent places and have emergency assembly area earmarked as a grid for easy counting of on duty associates and workers. PC11. unplug the control panel, compressor, condensor etc before performing maintenance PC12. report to the superior on any problems and hazards identified PC13. install fire alarms (electrical/manual) in cold store/deep freeze and keep other safety devices like hammer/mallet in the storage area	
Following standard health, safety and hygiene procedures	To be competent, the user/individual must be able to: PC14. maintain appropriate ventilation in the cold rooms to avoid unacceptable accumulation of heat, condensation or odours PC15. check and review the cold storage areas frequently PC16. stack items in an organized way and use safe lifting techniques to reduce risk of injuries from handling procedures at the storage areas PC17. ensure no sign of pest infestation and install rodent traps, fly glues and insectocutors wherever needed PC18. follow hygiene & sanitation standards of Government bodies like FSSAI, APEDA and /or EIA or importing countries like FAO, EU standards after PC 20 PC19. use effective loading and unloading systems	







LSC/N9901 M	aintain food and personnel safety, health and hygiene in cold storage
piant	 PC20. proper stock rotation (First in First out) to be practised PC21. segregate damaged/ non-conforming products from other products to designate area for appropriate disposition PC22. fumigate containers depending upon product and contamination or as per customers' requirement PC23. avoid smoking, spitting, eating etc near food storage area PC24. ensure reefers are covered, clean, free from pest infestation & other contaminants PC25. dispose cold storage plant waste in the designated areas safely as per company's policies and rules PC26. ensure to be safe while handling machines(generator, compressor, condensor etc), gas (ammonia) and chemicals(ethylene, refrigerants etc) PC27. keep the floors free from oil, water and grease to avoid slippery surface PC28. cut nails regularly and avoid applying nail paint. Avoid wearing bangles, rings, and chains in cold storage PC29. wash hands with soap solution and dry under a dryer as they enter for duty or after using wash room PC30. periodic examination of protective devices, pressure vessels and pipelines, and parts of pipework by a competent person to prevent defect that may give rise to danger PC31. ensure workers suffering from abscess, boils etc should be relieved from food handling PC32. develop personal hygiene habits like brushing teeth, taking shower everybody, wearing clean and tidy clothes after ironing etc
Knowledge and Unders	standing (K)
A. Organizational Context (Knowledge of the company / organization and its processes)	The individual on the job needs to know and understand: KA1. company's HR policies on personnel management KA2. company's reporting structure KA3. occupational health and safety standards KA4. cold storageplant inspection checklist KA5. company's sanitary standard operating procedures KA6. procedures to follow during emergency maintenance issues KA7. technical standards for design and construction of cold storages: Bureau of Indian standards(BIS), International standard(ISO) etc
B. Technical Knowledge	The individual on the job needs to know and understand: KB1. the purpose and usage of protective gears such as gloves , jackets etc. while working KB2. use of first aid at workplace KB3. cold storage order 1980 KB4. food safety and standards act 2006 KB5. reporting procedure or heirarchy for signs of damage and potential hazards KB6. methods to minimize accidental risks







LSC/N9901 Maplant	aintain food and personnel safety, health and hygiene in cold storage			
	 KB7. safe storage and handling of chemicals like refrigerants, ammonia, ethylene etc KB8. loading and unloading systems KB9. standard operating procedure for safety drills and equipment maintenance KB10. operation of machines: compressor, condensor, evaporator etc KB11. emergency procedures to be followed in case of an mishap such as fire, accidents, etc. and communication of safety instructions to subordinate staff 			
	 KB12. emergency responses in case of malfunctioning of refrigeration equipment as a whole or its components like evaporator, condenser or compressor KB13. solid, liquid and gaseous waste disposal, treatment norms and equipment KB14. necessary action to be taken for the hazards identified KB15. knowledge of Quality systems like BRC, FSSAI, ISO, FSSC, HACCP etc 			
Skills (S)				
A. Core Skills/	Reading Skills			
Generic Skills	The user/individual on the job needs to know and understand how to: SA1. read and interpret the relevant organisation policies, procedures and diagrams that identify health, safety and safe environmental practices. SA2. read job sheets, company policy documents and information displayed at the workplace for health, safety and environment. SA3. read notes/comments from the senior Writing Skills			
	The user/individual on the job needs to know and understand how to: SA4. fill up documentation related to health, safety and environmental standards, if required			
	Oral Communication (Listening and Speaking skills)			
	 The user/individual on the job needs to know and understand how to: SA5. verbally report health, safety and environmental hazards and poor organisation practice. SA6. communicate to the supervisor about the work health, safety and environmental issues SA7. receive instructions from supervisor on minimizing the risks SA8. communicate with co-workers about the precautions to be taken for hazards 			
	free work			
B. Professional Skills	Decision Making			
	The user/individual on the job needs to know and understand how to: SB1. take preventive measures for the identified hazards SB2. select appropriate hand tools and personal protection equipment SB3. identify first aid needs in case of an injury			
	Plan and Organize			
	The user/individual on the job needs to know and understand how to: SB4. formalize and display evacuation plan at strategic locations			







LSC/N9901 Maintain food and personnel safety, health and hygiene in cold storage plant

Customer Centricity

The user/individual on the job needs to know and understand how to:

SB5. ensure targeted product delivery by practicing stipulated standards of occupational health safety and environmental measures

Problem Solving

The user/individual on the job needs to know and understand how to:

SB6. take care of personal and equipment protection

SB7. identify the hazards and suggest possible solutions

Analytical

The user/individual on the job needs to know and understand how to:

SB8. use safety equipment such as fire extinguisher during fire accidents

SB9. store tools in a safe way

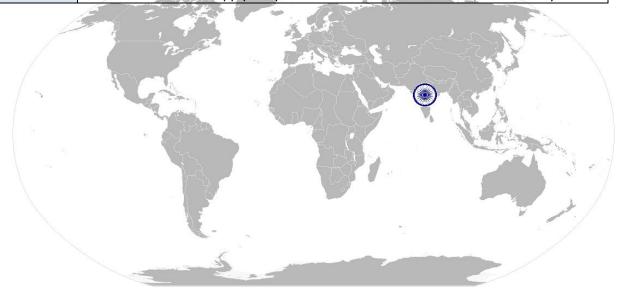
SB10. analyse the seriousness of the hazards

Critical

The user/individual on the job needs to know and understand how to:

SB11. evolve smooth workflow by avoiding hazards at workplace

SB12. evaluate and apply the possible solutions for the hazards, as necessary







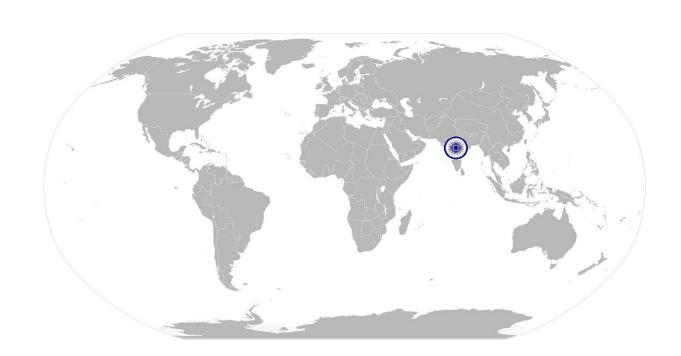


LSC/N9901 plant

Maintain food and personnel safety, health and hygiene in cold storage

NOS Version Control

NOS Code	LSC/N9901			
Credits(NSQF)	TBD	Version number	1.0	
Industry	Logistics	Drafted on	26/08/16	
Industry Sub-sector	Cold chain	Last reviewed on	11/01/17	
Occupation	Operations – Cold Storage	Next review date	11/01/20	







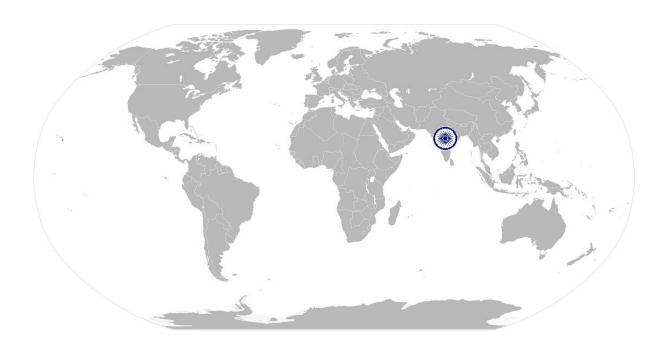
LSC/N9902





Communicate effectively with colleagues and clients

National Occupational Standard



Overview

This unit is about coordinating and communicating effectively with seniors, colleagues and clients to achieve a smooth workflow.







LSC/N9902	Communicate	effectively with	colleagues and clients
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Unit Code	LSC/N9902		
Unit Title	· ·		
(Task)	Communicate effectively with colleagues and clients		
Description	This OS unit is about coordinating and communicating effectively with seniors, colleagues and clients to achieve a smooth workflow		
Scope	This unit/task covers the following:		
	Interact with seniors		
	Communicate with colleagues		
	Communicate effectively with clients		
Performance Criteria(PC) w.r.t. the Scope		
Element	Performance Criteria		
Interacting with	To be competent, the user/ individual must be able to:		
seniors	PC1. understand the work output requirements, targets, performance indicators and		
	incentives PC2. deliver quality work on time and report any anticipated reasons for delays		
	PC3. escalate unresolved problems or complaints to the relevant superior		
	PC4. communicate project progress proactively to the superior		
	PC5. receive feedback on work standards		
	PC6. document the completed work schedule and handover to the superior		
Communicating with	To be competent, the user/ individual must be able to:		
colleagues PC7. exhibit trust, support and respect to all the colleagues in the workpla			
	PC8. aim to achieve hassle free cold chain operation		
	PC9. help and assist colleagues with information and knowledge		
	PC10. seek assistance from the colleagues when required		
	PC11. identify the potential and existing conflicts with the colleagues and resolve		
	PC12. pass on essential information to other colleagues on timely basis PC13. maintain the etiquette, use polite language, demonstrate responsible and		
	disciplined behaviors to the colleagues		
	PC14. interact with colleagues from different departments: ripening chamber, cold		
	storage, transport, packhouse etc to effectively carry out the work among the		
	team and understand the nature of their work		
	PC15. put team over individual goals and multi task or share work where necessary		
	supporting the colleagues		
	PC16. highlight any errors of colleagues, help to rectify and ensure quality output		
	PC17. work with cooperation, coordination, communication and collaboration, with		
	shared goals and supporting each others performance		
Communicating	To be competent, the user/ individual must be able to:		
effectively with	PC18. ask relevant questions to the client and identify their needs PC19. possess strong knowledge on market and cold chain operation		
clients	PC20. brief the client clearly on potential costs and challenges involved in the cold		
	chain industry		
	PC21. communicate with the client in a polite, professional and friendly manner		
	PC22. build effective but impersonal relationship with the client		
	PC23. ensure the appropriate language and tone are used with clients		







SC/N9902	Communicate offeetively with collegenes and clients
3C/119902	Communicate effectively with colleagues and clients PC24. listen actively and have a two way communication
	PC25. be sensitive to the gender, cultural and social differences such as modes of
	greeting, formality, etc.
	PC26. understand the client expectations correctly and provide the appropriate
	products and services
	PC27. understand the client dissatisfaction and address or escalate their complaints
	effectively
	PC28. maintain a positive, sensible and cooperative manner all time
	PC29. ensure to maintain a proper body language, dress code, gestures and etiquett
	towards the client
	PC30. avoid interrupting the client while they talk
	PC31. ensure to avoid negative questions and statements to the client
	PC32. inform the client on any issues or problems before hand and also on the
	developments involving them
	PC33. ensure to respond back to the client immediately for their voice messages, e-
	mails, apps, etc.
	PC34. develop good rapport with the client and promote other products and service
	PC35. seek feedback from the client on their understanding to what was discussed
	PC36. explain the terms and conditions clearly
Knowledge and Under	standing (K)
A. Organizational	The individual on the job needs to know and inderstand:
Context	KA1. vision, mission and values of the company
(Knowledge of the	KA2. business and performance of the company
company /	KA3. company's policies on personnel management, effective team work at
organization and	workplace
its processes)	KA4. company's HR policies
its processes;	KA5. company's reporting structure
	KA6. company's documentation policy
	KA7. company's customer profile
	KA8. occupational health and safety standards
	KA9. company's policy on business ethics and code of conduct
B. Technical Knowledge	The individual on the job needs to know and understand:
Miowicage	KB1. methods for effective communication with various categories of people and
	the different departments in the organization
	KB2. significance of team coordination and productivity targets of the organisation
	KB3. how to record the job activity as required on various types of documents
	KB4. how to use computer or smartphone to communicate effectively and
	productively
	KB5. significance of helping colleagues with specific issues and problems
	KB6. importance of meeting quality and time standards as a team
	KB7. how to practice effective listening and talking
	KB8. effective use of voice tone and pitch for communication
	KB9. how to demonstrate ethics and convey discipline to the clients
	KB10. how to build effective working relationship with mutual trust and respect







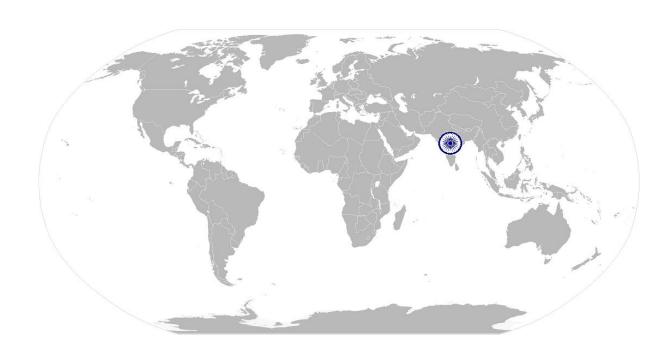
SC/N9902 (Communicate effectively with colleagues and clients
	within the team
	KB11. importance of dealing with grievances effectively and in time
Skills (S)	
A. Core Skills/	Reading Skills
Generic Skills	The user/ individual on the job needs to know and understand how to: SA1. read job sheets, company policy documents and information displayed at the workplace SA2. read notes/comments from the senior
	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA3. fill up documentation pertaining to job requirement
	Oral Communication (Listening and Speaking skills)
	The user/ individual on the job needs to know and understand how to: SA4. interact with team members to work efficiently SA5. communicate effectively with senior to achieve smooth workflow SA6. communicate effectively with the clients to build a good rapport with them SA7. use language that the client or colleague understands SA8. use the communication systems of the company, e.g., telephone, fax, public announcement systems SA9. E-mail and use Internet for communicating SA10. use of audio-visual aids to communicate complex issues
B. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. spot and communicate potential areas of disruptions to work process and report the same SB2. report to supervisor and deal with a colleague individually, depending on the type of concern
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. plan communication strategy in order to avoid conflicts and work disruptio
	Customer Centricity
	The user/ individual on the job needs to know and understand how to: SB4. practice patient listening, careful talking and paraphrasing in order to avoid misunderstanding
	Problem Solving
	The user/ individual on the job needs to know and understand how to: SB5. coordinate with different departments and multi-task as necessary SB6. contribute to quality of team work and achieve smooth workflow SB7. share work load as required
	SB8. delegate work in consultation with senior or as necessary instead of allowin work to pile up







00111770=	Communicate different of with contagues and entities
	The user/ individual on the job needs to know and understand how to:
	SB9. resolve recurring inter-personal conflicts by clear and two-way dialogue
	Critical
	The user/ individual on the job needs to know and understand how to:
	SB10. improve work processes by interacting with others and adopting best
	practices









LSC/N9902

Communicate effectively with colleagues and clients

NOS Version Control

NOS Code	LSC/N9902			
Credits(NSQF)	TBD	Version number	1.0	
Industry	Logistics	Drafted on	26/08/16	
Industry Sub-sector	Cold Chain	Last reviewed on	11/01/17	
Occupation	Operations – Cold Storage	Next review date	11/01/20	



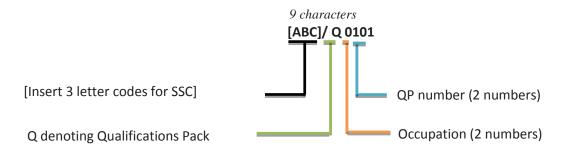




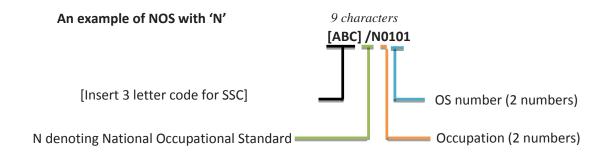
Annexure

Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard



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The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers
Land Transportation	11,14
Shipping Transportation	12,14
Air Transportation	13
Warehousing Storage	21,23
Warehouse Packaging	22,23
Courier and Mail Services	30
Shipping / Port Operation	46 – 60
Air cargo operation	61 – 75
EXIM logistics	76 – 85
Cold Chain Logistics	86 - 95
Generic Occupations	96 – 99

Sequence	Description	Example
Three letters	Industry name	LSC
Slash	/	/
Next letter	Whether Q P or N OS	Q/N
Next two numbers	Occupation code	01
Next two numbers	OS number	01





CRITERIA FOR ASSESSMENT OF TRAINEES

<u>Job Role</u> Cold Chain Manager <u>Qualification Pack</u> LSC/Q8702

Sector Skill Council Logistics

Guidelines for Assessment

- 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 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 this criteria
- 5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
- 6. 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

	Performance Criteria	Total Marks (350)	Out of	Theory	Skills Practical
	PC1. identify HACCP (Hazard Analysis and Critical Control Points), HAZMAT (Hazardous Material) and other training certifications required to be taken by workers		3	1	2
	PC2. ensure timely revision of training requirements based on technological developments and new equipments introduced in the facility		4	1	3
LSC/N8708 Administer	PC3. attend conferences and seminars conducted by national cold chain associations for updates in cold chain segment	50	3	1	2
manpower planning and labour management across cold chain operations	PC4. update maintenance and quality assurance department about technological developments incorporated in company's cold chain operations		4	1	3
	PC5. ensure updated training requirements are appropriately communicated to workers and keep track of workers employed across departments		4	1	3
	PC6. identify location from where workers should be hired, based on urgency of requirement		3	1	2
	PC7. identify skill sets required in workers for product specific operations, for eg: ability to handle stress during urgent delivery requirement etc.		4	1	3
	PC8. provide prior information on expected labor force requirement to head hr		3	1	2



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TOTAL POINTS		5	0
POINTS	50	15	35
PC15. update the instructions on fitness requirements and safety measures in the cold storage facility	4	1	3
PC14. take non conformance decision in case employee fitness levels do not match the requirements and analyze the cause of illness or injury of employees	3	1	2
PC13. ensure timely fitness reports are prepared for every employee	3	1	2
PC12. take charge of illness or injury incurred to workers during cold chain operations and update the same to head hr	3	1	2
PC11. assist head hr in designing corrective mechanism to reduce attrition	3	1	2
PC10. initiate discussion with workers to analyze the cause of worker attrition	3	1	2
PC9. supervise transfer of employees from one department to the other based on requirement	3	1	Corpora 2

	Performance Criteria	Total Marks (350)	Out of	Theory	Skills Practical
	PC1. initiate action to prevent occurrence of any microbiological non-conformities at any stage of cold chain operations	50	3	1	2
LSC/N8709 Oversee	PC2. analyze and find root cause in case of delays at different stages of the cold chain operations. for e.g.: a delay in grading of goods may be due to excessive drying of goods in the previous stage of grading line operations or due to extra time taken in unloading because of improper space management		3	1	2
Ensure smooth and	PC3. stop operations whenever there is likelihood of occurrence that could affect product safety and personnel safety or any other emergence		3	1	2
effective execution of cold	PC4. ensure effective implementation of cleaning schedule for all equipments and machines is followed		4	1	3
chain operation	PC5. understand requirements of cold storage equipments from perishable product handling specialist		4	1	3
	PC6. identify expenditure required on refrigeration equipments and associated tools		4	1	3
	PC7. estimate maintenance and upgradation expenditure expected to be incurred on machines and equipments		4	1	3
	PC8. identify worker expenses incurred for day-to-day activities such as food, travel etc.		3	1	2



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	Skill Development
	Corporation

TOTAL POINTS		5	0
POINTS	50	15	35
PC15. supervise upgradation of evaporators, compressors etc.	3	1	2
PC14. ensure equipments are replaced in appropriate time period based on their working efficiency and inputs from workers, for eg: timely replacement of refrigeration valves	3	1	2
PC13. follow up with maintenance head in case of uninterrupted supply of electricity and water	3	1	2
PC12. update maintenance head and follow up in case equipments and instruments are not functioning properly	4	1	3
PC11. ensure timely compliance of calibration schedule for equipments is followed	3	1	2
PC10. estimate maximum expenditure that might be required to be incurred in situations of crisis, for e.g.: accident, leakage, injury etc.	3	1	2
PC9. ensure correct details of number of workers is provided to budget control team	3	1	Corpora 2

	Performance Criteria	Total Marks (350)	Out of	Theory	Skills Practical
	PC1. utilize alternate technologies and energy sources in the cold chain with the aim to have a positive impact on the environment, for eg: solar powered refrigeration equipments		3	1	2
	PC2. ensure standardisation of handling units of perishable products across all stages of cold chain		3	1	2
LSC/N8710	PC3. explore multi modal transport options that can be used in the perishables logistics chain, especially as speed and good handling is critical to maintaining quality control	50	3	1	2
Monitor and improvise perishable product handling	PC4. supervise modernisation or up gradation of refrigeration systems in existing cold storages so as to result in substantial and measurable reduction in carbon footprint of the facility and reduction in recurring cost of the power consumed		3	1	2
activities	PC5. attend seminars and conferences organized by cold chain associations to get information about latest updates in the sector		3	1	2
	PC6. identify the appropriate product flow capacity – volume of commodities that must be handled per unit of time and determine the appropriate cooling method and system based on volume of commodity handled per unit of time		3	1	2
	PC7. conduct regular check up of the ripening chamber and ensure proper documentation is		3	1	2





TOTAL POINTS			5	0
POINTS		50	15	35
procedures and records		3	1	2
PC15. establish a documentation system for		2	1	2
when a deviation occurs at a CCP				
controlling the CCPs and identify corrective actions				
and establish/implement monitoring systems for		4	1	3
the hazard, establish the target levels/tolerances		c.	4	2
control point) can be applied in order to eliminate				
PC14. determine the step at which CCP (critical				
and the measures to eliminate or reduce hazards				
list all hazards associated with each process step				
flow diagram for all product/process operations -		4	1	3
microbiologists and process engineers) construct a				
critical control point) team (including				
PC13. together with the HACCP (hazard analysis				
hygiene at all stages of the product's life				
cold storage facilities and maintain high levels of		7	Δ.	3
facility and uniform practices are followed at all		4	1	3
back end pack house to the appropriate cold chain				
PC12. ensure goods are properly transported from				
form of back end village level pack houses		3	1	2
PC11. identify rural areas to be supported in the				
at cold storage facility etc.				
refrigeration, sending to pre-cooling units located		·	-	_
sending fresh produce directly to market for		4	1	3
realization options of the graded units, for eg:				
PC10. identify multiple market routing or value				
cooling unit or refrigerated consumption centres				
the routing requires long travel to reach the pre-		*	=	_
house and supervise packaging for safe transport if		4	1	3
drying activities on the goods received in pack				
PC9. supervise grading, sorting, washing and				
of condensing unit etc.				
for no. of fans, water pump capacity, refrigeration		3	_	_
the cold chain and participate in decision making		3	1	2
cross-functional utilization of equipments across				
PC8. identify scope for resource integration or				
temperature and storage conditions				
done at every stage and supervise pre-cooling				Corpo
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	Performance Criteria	Total Marks (350)	Out of	Theory	Skills Practical
LSC/N8711 Oversee	PC1. answer phone calls and emails of the clients regularly and promptly, follow proper behavioural				
Route	etiquettes with the clients whether face to face or		3	1	2
Planning	on phone or e-mail				
and	PC2. be updated on availability of the products	50			
reefer/non-	with the order received, ensure the availability of				
reefer	vehicle in proper working condition meeting the		4	1	3
vehicle	safety standards, availability of the vehicle				
coordination	operator for the delivery, verify reefer vehicle				





Qualification Pack for Cold Cha	ın Manager	/ \	Corpora
papers are in order and check the reefer vehicle			Согрога
maintenance and cleanliness on daily basis			
PC3 be aware of the other delivery schedules for			
the day, review and revise transportation and			
delivery schedule based on priority, take	4	1	3
confirmations from the client and schedule the	4	1	3
delivery and update the order details and the time			
of booking to the MIS person for record			
PC4. understand from the clients on the type of			
products, the delivery date, quantity, delivery			
address, etc. and confirm the delivery details with	3	1	2
the clients also updating them on non availability		_	
of any products or reefer/non reefer vehicle as			
per their order and requirement			
PC5. assign the reefer/ non reefer vehicle			
operator to be sent for the delivery, ensure the			
reefer/non reefer vehicle operators carry the			
necessary materials such as maps, GPS, client	4	1	3
details, etc.; monitor the various actions of the		_	
reefer/ non reefer vehicle operator such as safety			
and maintenance of the vehicle, defrosting the			
reefer unit etc.			
PC6. plan the driving routes to ensure on time			
delivery, brief the operator about the client and			
delivery details, coordinate the transportation			
routes and time schedule based on customer	5	2	3
requirement advice the reefer/non reefer vehicle			
operators on their duty and responsibility to be			
carried out during the trip			
PC7. ensure the order details and the products			
match, check the temperature and pre cool of the			
reefer unit as set by the reefer vehicle operator		_	
and ensure the safety precautions to be taken	4	1	3
with respect to the product quality in terms of			
temperature maintenance and other storage			
conditions based on the type of product			
PC8. supervise the maps and driving directions of			
the reefer/non reefer vehicle operator to ensure	4	1	3
efficient route service is provided, incorporate			
changes to the schedule if required			
PC9. verify the trip sheets submitted by the reefer/non reefer vehicle operator for mileage	3	1	2
and fuel usage	3	1	
PC10. listen to the customer complaints and			
problems, investigate on various staff problems			
and provide with proper solution and ensure to	2	1	,
take proper steps to rectify those problems with	3	1	2
immediate action			
PC11. communicate with the reefer/non reefer			
vehicle operators during trip in case of any		1	,
emergency and monitor the issues of reefer/non	3	1	2
reefer vehicle operator such as licensing, safety,			
accidents, etc.	<u> </u>	<u> </u>	<u> </u>





TOTAL POINTS		5	0
POINTS	50	15	35
PC14. monitor the safe and quality delivery of products at the appropriate temperature, pressure, humidity and other required parameters maintained and achieve client satisfaction ensuring high level service with timely and quality delivery as per requirement	4	1	3
PC13. monitor the control and discipline of the reefer/non reefer vehicle operator with the work, track the vehicles before and during the journey, verify the documentations provided by the reefer/non reefer vehicle operator and report and document the details of the travel	3	1	2
PC12. send confirmation message or email to the clients along with the delivery summary and invoice, coordinate with the client for payment details and maintain good rapport and relationships with the client	3	1	Corpora 2

	Performance Criteria	Total Marks (350)	Out of	Theory	Skills Practical
	PC1. coordinate with the different departments such as storage, transportation, etc. and brief the data entry executive on the various documentations to be done		3	1	2
	PC2. check the obtained information and documents to be updated and the best software tool identified to update the data		3	1	2
	PC3. study the documents in detail and understand the requirements		3	1	2
	PC4. identify the latest technology updates that would support the data entry requirements		4	1	3
LSC/N8712 Supervise Data entry/MIS	PC5. examine the required software to perform the MIS and data entry operation and monitor the working of the software and the procedure to update	50	5	2	3
reports PC6. management case	PC6. coordinate with the respective departments in case if any additional inputs or documents are required		3	1	2
	PC7. review the entered information and compare with the original source document and verify the output for errors and brief the data entry operators		4	1	3
	PC8. ensure the update happens on a regular basis and to maintain the documentation and quality standards to be used in the data entry operation		4	1	3
	PC9. conduct consistent check on the software and database stored		3	1	2
	PC10. ensure to maintain the files updated in software as well as the source documents securely		4	1	3



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TOTAL POINTS		5	0
POINTS	50	15	35
PC14. ensure access to relevant files, documents and information to the data entry operator as required	4	1	3
PC13. monitor the issues such as software probler malfunctions, inadequate or unclear information of any other technical problems	4	1	3
PC12. ensure to take proper steps to resolve the issues of staff and software	3	1	2
PC11. listen to the complaints or problems of the staff	3	1	Corpor 2

	Performance Criteria	Total Marks (350)	out of	Theory	Practical
	PC1. assess the various health, safety and environmental hazards in the cold storage; take necessary steps to eliminate or minimize the hazards; analyze the causes of accidents at the workplace; take preventive measures to avoid risk of burns and other injury due to contact with hot surfaces, gas, fire, hot fluids/ liquids, etc		5	2	3
	PC2. ensure the employees have access to first aid kit when needed; ensure to use personal protective equipment and safety gear such as gloves, jacket, footwear etc. for loading and unloading material in cold rooms to protect themselves from hypothermia, frostbite etc;		2	1	1
LSC/N9901 Maintain food and personnel safety, health and hygiene in cold storage plant	PC3. ensure to display safety signs at places where necessary for people to be cautious; use rubber mats in the places where floors are constantly wet; ensure electrical precautions such as insulated clothing, adequate equipment insulation, dry work area, switch off the power supply when not required, etc; practice correct emergency procedures: operating fire extinguishers, emergency exits, etc; unplug the control panel, compressor, condenser etc before performing maintenance; report to the superior on any problems and hazards identified	50	5	2	3
1	PC4. install fire alarms (electrical/manual) in cold store/deep freeze and keep other safety devices like hammer/mallet in the storage area		3	1	2
	PC5. maintain appropriate ventilation in the cold rooms to avoid unacceptable accumulation of heat, condensation or odors; check and review the cold storage areas frequently		5	2	3
	PC6. stack items in an organized way and use safe lifting techniques to reduce risk of injuries from handling procedures at the storage areas; use effective loading and unloading systems; proper stock rotation (First in First out) to be practiced;		5	2	3





TOTAL POINTS		50	ס
POINTS	50	20	30
boils etc should be relieved from food handling		1	1
PC13. ensure workers suffering from abscess,	2	1	1
that may give rise to danger			
pipework by a competent person to prevent defect	5		3
devices, pressure vessels and pipelines, and parts of	5	2	3
PC12. periodic examination of protective			
to avoid slippery surface			
etc); keep the floors free from oil, water and grease			
gas (ammonia) and chemicals(ethylene, refrigerants	3	1	2
machines(generator, compressor, condenser etc),			
PC11. ensure to be safe while handling			
and rules		-	-
designated areas safely as per company's policies	5	2	3
PC10. dispose cold storage plant waste in the			
pest infestation & other contaminants	3	1	2
PC9. ensure reefers are covered, clean, free from			
room			
dryer as they enter for duty or after using wash			
wash hands with soap solution and dry under a			
like brushing teeth, taking shower everybody, wearing clean and tidy clothes after ironing etc;	2	1	1
in cold storage; develop personal hygiene habits	2	1	1
nail paint. Avoid wearing bangles, rings, and chains			
storage area; cut nails regularly and avoid applying			
PC8. avoid smoking, spitting, eating etc near food			
contamination or as per customers' requirement			
fumigate containers depending upon product and			
importing countries like FAO, EU standards;			
Government bodies like FSSAI, APEDA and /or EIA or	5	2	3
needed; follow hygiene & sanitation standards of	_		•
rodent traps, fly glues and insectocutors wherever			
PC7. ensure no sign of pest infestation and install			
appropriate disposition			
from other products to designate area for			
segregate damaged/ non-conforming products			ос.ро
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	Performance Criteria	Total Marks (350)	out of	Theory	Practical
	PC1. understand the work output requirements, targets, performance indicators and incentives		4	2	2
LSC/N9902 Communic ate effectively	PC2. deliver quality work on time and report any anticipated reasons for delays; escalate unresolved problems or complaints to the relevant superior; receive feedback on work standards; document the completed work schedule and handover to the superior	50 3	4	2	2
with colleagues	PC3. exhibit trust, support and respect to all the colleagues in the workplace		3	1	2
and clients	PC4. aim to achieve hassle free cold chain operation		4	2	2
	PC5. help and assist colleagues with information and knowledge; seek assistance from the colleagues when		3	1	2





required; pass on essential information to other			/ \	Corpo
colleagues on timely basis; highlight any errors of				
colleagues, help to rectify and ensure quality output				
PC6. identify the potential and existing conflicts with		4	1	3
the colleagues and resolve		4	1	3
PC7. maintain the etiquette, use polite language,				
demonstrate responsible and disciplined behaviors to		3	1	2
the colleagues				
PC8. interact with colleagues from different				
departments: ripening chamber, cold storage,				
transport, packhouse etc to effectively carry out the				
work among the team and understand the nature of				
their work; put team over individual goals and multi		3	1	2
task or share work where necessary supporting the				
colleagues; work with cooperation, coordination,				
communication and collaboration, with shared goals				
and supporting each others performance				
PC9. ask relevant questions to the client and identify				
their needs; brief the client clearly on potential costs		4	2	2
and challenges involved in the cold chain industry				
PC10. possess strong knowledge on market and cold		4	2	2
chain operation		4		۷
PC11. communicate with the client in a polite,				
professional and friendly manner; build effective but				
impersonal relationship with the client; ensure the				
appropriate language and tone are used with clients;				
listen actively and have a two way communication; be				
sensitive to the gender, cultural and social differences		6	2	4
such as modes of greeting, formality, etc.; maintain a				
positive, sensible and cooperative manner all time ;				
ensure to maintain a proper body language, dress code,				
gestures and etiquettes towards the client; avoid				
interrupting the client while they talk				
PC12. understand the client expectations correctly and				
provide the appropriate products and services;				
understand the client dissatisfaction and address or				
escalate their complaints effectively; ensure to avoid				
negative questions and statements to the client; ensure				
to respond back to the client immediately for their			2	4
·		h		4
voice messages, e-mails, apps, etc.; develop good		6		
voice messages, e-mails, apps, etc.; develop good rapport with the client and promote other products and		6		
voice messages, e-mails, apps, etc.; develop good rapport with the client and promote other products and services; inform the client on any issues or problems		6		
voice messages, e-mails, apps, etc.; develop good rapport with the client and promote other products and services; inform the client on any issues or problems before hand and also on the developments involving		6		
voice messages, e-mails, apps, etc.; develop good rapport with the client and promote other products and services; inform the client on any issues or problems before hand and also on the developments involving them; seek feedback from the client on their		6		
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