

NSQF QUALIFICATION FILE

approved in the 28th NSQC Meeting – NCVET – 29th March 2023

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Agriculture Skill Council of India (ASCI)

6th floor, GNG Building, Plot No – 10, Sector- 44, Gurugram,
Haryana – 122004

Qualification Code

QG-06-AG-00347-2023-V1-ASCI

Name and contact details of individual dealing with the submission

Name: Ms Priyanka Prakash

Position in the organisation: Senior Manager – Standards & QA

Address, if different from above

Tel number(s): 0124 – 4670029/ 4814673/ 4814659

E-mail address: priyanka@asci-india.com

List of documents submitted in support of the Qualifications File

1. Qualifications Pack – Annexure 1
2. Model Curriculum – Annexure 2
3. Industry Validations- Annexure 3

Model Curriculum to be added which will include the following:

- Indicative list of tools/equipment to conduct the training
- Trainers qualification
- Lesson Plan
- Distribution of training duration into theory/practical/OJT component

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SUMMARY

1	Qualification Title	Cold Storage Manager
2	Qualification Code, if any	AGR/Q7506, v2.0
3	NCO code and occupation	NCO-2015/7127, Post-Harvest Supply Chain Management
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	<p>Nature of the qualification- a Qualification Pack (QP)</p> <p>The individual will be responsible for managing the cold storage operations, including financial planning and management, cold storage personnel and operations management, and inventory and marketer management.</p>
5	Body/bodies which will award the qualification	Agriculture Skill Council of India (ASCI)
6	Body which will accredit providers to offer courses leading to the qualification	Agriculture Skill Council of India (ASCI)
7	Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy)	Yes (Annexure 3)
8	Occupation(s) to which the qualification gives access	Post-Harvest Supply Chain Management
9	Job description of the occupation	A Cold Storage Manager is responsible for managing the cold storage operations, including financial planning and management, cold storage personnel and operations management, and inventory and marketer management.
10	Licensing requirements	NA
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NA
12	Level of the qualification in the NSQF	Level 6
13	Anticipated volume of training/learning required to complete the qualification	<p>Total Duration: 600 Hours</p> <p>Compulsory Modules: 480 Hours (Theory: 180 Hours, Practical: 210 Hours, ES: 90 Hours)</p> <p>OJT: 120 Hours</p>
14	Indicative list of training tools required to deliver this	Attached herewith

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qualification			
15	Entry requirements and/or recommendations and minimum age	Pursuing first year of 2-year PG program after completing 3-year UG degree OR Pursuing PG diploma after 3-year UG degree OR Completed 4-year B.Tech/B.E/UG (in case of 4-year UG with honours/ honours with research) OR Pursuing completed 4-year B.Tech/B.E/UG (in case of 4-year UG with honours/ honours with research) OR Previous relevant qualification of NSQF Level 5.5 with 1.5 years of relevant experience OR Previous relevant qualification of NSQF Level 5 with 3 years of relevant experience 25 years	
16	Progression from the qualification (Please show Professional and academic progression)	Cold Storage Head	
17	Arrangements for the Recognition of Prior learning (RPL)	RPL assessment will be as per normal ASCI assessment process. (ASCI recognizes that there may be candidates who have prior learning experience in the Agriculture Sector and are desirous of being certified. Such candidates can apply to ASCI for testing and certification of their skills. Training Partners will be responsible for identifying and counselling candidates for RPL through mobilization camps and advertisements. The details of the RPL process have been defined by ASCI under the document- Guidelines for Recognition of Prior Learning under PMKVY).	
18	International comparability where known (research evidence to be provided)	Not done as yet	
19	Date of planned review of the qualification.	3 years post NSQC Approval	
20	Formal structure of the qualification Mandatory components		
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)	Level

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		Theory	Practical	
(i)	Introduction (Bridge Module)	05	00	
(ii)	AGR/N7523: Perform financial planning and management for the cold storage	40	45	6
(iii)	AGR/N7525: Manage the cold storage personnel and operations	30	60	6
(iv)	AGR/N7524: Perform inventory and marketer management	55	35	6
(v)	AGR/N1136: Manage the record maintenance, review and audit process	45	45	6
(vi)	AGR/N9911: Ensure adherence to health and safety guidelines at work	05	25	6
(vii)	DGT/VSQ/N0103: Employability Skills (90 Hours)	90	00	5
	Total	270	210	
OJT: 120 Hours				

**SECTION 1
ASSESSMENT**

21	Body/Bodies which will carry out assessment: ASCI affiliated assessment bodies. <ol style="list-style-type: none">1. SHL India (Pvt.) Ltd2. Trendsetters Skill Assessors Pvt Ltd3. Mercer-Mettl4. SP Institute of Workforce Development (SPIWD)5. MSAG SI LLP More Assessment Agencies are being empanelled to cover wider geographical area
22	How will RPL assessment be managed and who will carry it out? RPL will be based on the same approved Qualification Pack and Assessment Criteria mentioned in the Qualification Pack and will be carried out as per normal ASCI assessment process. The Training Partner or any other authority as prescribed by the Steering Committee will identify and counsel candidates eligible for RPL through mobilization camps and advertisements. The mobilized candidates can be counselled, oriented about the standardized NSQF framework and basis their existing competency will be mapped against the suitable level of the concerned Job role for assessments. The candidates enrolled will be assessed by the Assessment Agency affiliated with the Sector Skill Council on the basis of assessment criteria decided by Sector Skill Council (SSC). The candidate will need to pass in the minimum assessment criteria of a particular QP decided by the SSC. Successfully assessed candidates with a valid Aadhaar or alternate ID (as per process) will be eligible for QP-NOS based Certification.
23	Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF. A robust technology enabled assessment methodology has been designed keeping in mind the geographical/Physical constraints and target segment which assess a trainee's knowledge and skill set through three methods: <ol style="list-style-type: none">a. An offline Tablet based test through the use of Multiple Choice Text and Picture based questions in vernacular languagesb. Actual demonstration on the fieldc. Viva ASCI's assessment strategy: <ul style="list-style-type: none">• Question sets are developed as per the weightage of each NOS of

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	<p>the Qualification Pack.</p> <ul style="list-style-type: none">● Assessment criteria for each Qualification Pack developed, in which each Performance criteria (PC) assigned marks based on NOS● Question Bank is developed to assess the theoretical and practical knowledge. To ensure the quality, each trainees get different set of question● Empanelment of subject matter expert as assessor primarily from the Industry to assess trainee specifically on practical skills as per Industry demands <p>Assessments are preferably conducted on tablets or pen or papers in regional languages according to the requirement.</p>
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Please attach most relevant and recent documents giving further information about assessment and/or RPL.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

ASSESSMENT EVIDENCE

Complete a grid for each component as listed in “Formal structure of the qualification” in the Summary.

NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – i.e. Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. Assessment evidences

Title of Component:

Outcomes to be assessed/ NOSs to be assessed	Assessment criteria for the outcome

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Means of assessment 1
Pass/Fail

NSQC Approved

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Job Role: Cold Storage Manager

Qualification Pack: AGR/ Q7506, v2.0

Sector Skill Council: Agriculture Skill Council of India

Assessment Guidelines:

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
 3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
 4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
 5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.
 6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.
- In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment Criteria for Outcomes	Theor y Marks	Practica l Marks	Projec t Marks	Viva Marks
AGR/N7523: Perform financial planning and management for the cold storage				
<i>Perform financial planning for the cold storage</i>	8	10	-	8
PC1. identify the applicable fixed and fluctuating costs concerning the cold storage operations	-	-	-	-
PC2. determine various cold storage operational costs, e.g. resource procurement, labour, tools and equipment, etc.	-	-	-	-
PC3. determine the income and financial liabilities of the cold storage	-	-	-	-

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PC4. carry out financial planning and budgeting for the cold storage				
<i>Perform financial management for the cold storage</i>	22	30	-	22
PC5. monitor various expenditures to ensure they are within the budget	-	-	-	-
PC6. analyze the monthly expenditures to identify the instances of cost exceeding and take appropriate remedial measures	-	-	-	-
PC7. monitor the cash flow and reserves and ensure efficient utilization of cash reserves	-	-	-	-
PC8. ensure the accounts payable and receivable are settled on time	-	-	-	-
PC9. follow the organizational procedure to follow up with the concerned individuals/organizations to recover the payments owed to the organization on time	-	-	-	-
PC10. determine the financial position of the organization through analysis of relevant documents or coordination with the relevant personnel	-	-	-	-
PC11. follow the appropriate measures to improve the financial position of the organization, e.g. reducing the unnecessary expenditure	-	-	-	-
PC12. identify the relevant institutions and schemes with the provision of credit for cold storage and follow the relevant procedure to avail of credit/ loan	-	-	-	-
PC13. ensure timely repayment of any credit/loans availed for the organization	-	-	-	-
PC14. identify the need to make capital expenditures for various purposes that could lead to increased revenue, e.g. purchase of new tools, equipment and machinery	-	-	-	-
NOS Total	30	40	-	30
AGR/N7525: Manage the cold storage personnel and operations				
<i>Recruit and train the personnel</i>	8	12	-	8
PC1. identify the need to recruit personnel in different job roles in the cold storage	-	-	-	-
PC2. recruit the required personnel from appropriate sources, ensuring their skills align with their respective job roles	-	-	-	-
PC3. ensure appropriate remuneration is offered to personnel according to their skills, educational qualification and job roles	-	-	-	-

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PC4. organize and conduct appropriate training sessions for the personnel as required	-	-	-	-
PC5. ensure effective monitoring of the cold storage personnel for efficient operations and achievement of organizational goals	-	-	-	-
<i>Manage the cold storage operations</i>	14	16	-	14
PC6. ensure regular inspections of the cold storage tools, equipment, machinery and infrastructure	-	-	-	-
PC7. instruct the relevant personnel to ensure regular maintenance of the cold storage tools, equipment, machinery and infrastructure	-	-	-	-
PC8. identify the need to procure new tools, equipment, machinery and other assets or replace the existing ones	-	-	-	-
PC9. procure the tools, equipment and machinery and other assets following the organizational procedure	-	-	-	-
PC10. adopt new and innovative technologies and practices to improve the efficiency of cold storage operations	-	-	-	-
PC11. identify the relevant risks to cold storage operations and take appropriate measures to mitigate	-	-	-	-
PC12. ensure compliance with the organizational quality standards and applicable regulations	-	-	-	-
PC13. check the relevant reports, e.g. concerning the logistics, receipt, handling, sorting and storage of produce to ensure the correct functioning of different units in the cold storage	-	-	-	-
PC14. monitor the trends in agricultural and horticultural produce markets and implement appropriate changes to adapt to them or develop new strategies as required	-	-	-	-
<i>Incorporate the non-ODS and low-GWP technologies</i>	8	12	-	8
PC15. identify and incorporate the appropriate energy-efficient cooling technologies in cold storage operations	-	-	-	-
PC16. incorporate the use of appropriate non-ODS and low-GWP technologies	-	-	-	-
PC17. ensure safe handling of flammable and toxic refrigerants as per the applicable safety protocols	-	-	-	-

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PC18. ensure compliance with the applicable environmental protection regulations	-	-	-	-
NOS Total	30	40	-	30
AGR/N7524: Perform inventory and marketer management				
<i>Perform inventory management</i>	15	20	-	15
PC1. determine the existing stock levels in the cold storage through coordination with the relevant personnel	-	-	-	-
PC2. identify the need to order stock and order it from the relevant growers/ vendors	-	-	-	-
PC3. ensure inventory fulfilment as per the requirement in the cold storage	-	-	-	-
PC4. use the appropriate inventory management system for efficient inventory management	-	-	-	-
PC5. follow the recommended practices for effective third-party vendor/ supplier management and conflict resolution	-	-	-	-
PC6. follow the appropriate inventory management practices to minimize any losses during its handling	-	-	-	-
PC7. ensure consistent supply of produce according to the market demands	-	-	-	-
PC8. ensure adherence to applicable quality standards and organizational guidelines during inventory management	-	-	-	-
<i>Perform marketer management</i>	15	20	-	15
PC9. identify the relevant market partners for cold storage	-	-	-	-
PC10. conduct discussions with the market partners to make them aware of the cold storage services and applicable costs	-	-	-	-
PC11. carry out appropriate documentation concerning the service agreement with the market partners	-	-	-	-
PC12. identify and adopt new and innovative technologies to make cold storage functions more efficient	-	-	-	-
PC13. ensure different types of agricultural and horticultural produce is stored as per the specifications shared by marketers	-	-	-	-
PC14. coordinate with the marketers to resolve any issues, maintaining effective working relationships with them	-	-	-	-

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PC15. follow the recommended practices to ensure efficient cold storage operations	-	-	-	-
NOS Total	30	40	-	30
AGR/N1136: Manage the record maintenance, review and audit process				
<i>Oversee the maintenance of records and review them</i>	12	15	-	10
PC1. arrange an appropriate computer software for effective management of organizational documents and records	-	-	-	-
PC2. arrange for training of the relevant personnel on the use of the computer software	-	-	-	-
PC3. ensure data with respect to all the workshop assets, expenditure and operations is maintained	-	-	-	-
PC4. evaluate all the relevant records and documents to ensure they are complete, accurate and up-to-date	-	-	-	-
PC5. evaluate the business performance through the analysis of relevant records	-	-	-	-
PC6. prepare an action plan based on the review	-	-	-	-
PC7. implement the action plan as per the organizational policy	-	-	-	-
PC8. schedule periodic review of documents to ensure compliance with the necessary regulations	-	-	-	-
<i>Arrange for the safe storage of records</i>	10	15	-	10
PC9. identify ways to safely store all the organizational documents and records	-	-	-	-
PC10. arrange the necessary infrastructure for the storage of documents	-	-	-	-
PC11. instruct the relevant personnel to create backup of all the documents and records to prevent accidental loss	-	-	-	-
PC12. ensure that only authorized personnel have access to the organizational documents and records	-	-	-	-
<i>Arrange for audit of records</i>	8	10	-	10
PC13. arrange for the audit of organizational records to comply with the regulatory requirements	-	-	-	-
PC14. coordinate with the auditor for audit of all the relevant records	-	-	-	-
PC15. implement the corrective actions recommended by the auditor	-	-	-	-

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NOS Total	30	40	-	30
AGR/N9911: Ensure adherence to health and safety guidelines at work				
<i>Ensure health and safety</i>	16	18	-	16
PC1. follow the organizational policy to ensure personal health and safety at the work	-	-	-	-
PC2. ensure that all the co-workers use the appropriate PPE such as gloves, hairnet, mask, earplug, goggles and shoes in all the operations	-	-	-	-
PC3. conduct regular checks to ensure that PPE, emergency equipment and first-aid kit are updated and useable	-	-	-	-
PC4. arrange for the PPE, emergency equipment and first-aid kit to be updated/replaced as required	-	-	-	-
PC5. ensure the machinery, tools, equipment and the work area are sanitized before and after the use	-	-	-	-
PC6. check that machineries, tools and equipment are used and stored safely as per the manufacturer's instructions	-	-	-	-
PC7. ensure safe handling of any hazardous materials such as chemicals and flammable objects	-	-	-	-
PC8. identify health and safety hazards at the work and take appropriate preventive measures	-	-	-	-
PC9. ensure that only authorized personnel have access to hazardous work areas	-	-	-	-
PC10. arrange for regular workplace audit to ensure safe working conditions	-	-	-	-
PC11. report any out of authority issues to the relevant authority for a timely resolution	-	-	-	-
<i>Deal with emergencies at work</i>	14	22	-	14
PC12. follow the organizational policy to deal with emergencies such as fire, accidents, disease outbreak or natural calamities	-	-	-	-
PC13. arrange for immediate medical attention for any injured personnel	-	-	-	-
PC14. ensure the safe use of emergency equipment according to the manufacturer's instructions	-	-	-	-
PC15. arrange for the emergency equipment to be repaired or replaced as required	-	-	-	-
PC16. report workplace emergencies/accidents to the relevant authority in compliance	-	-	-	-

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with the organizational and regulatory requirements				
NOS Total	30	40	-	30
DGT/VSQ/N0103: Employability Skills – NOS (90 hours)				
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. understand the significance of employability skills in meeting the current job market requirement and future of work.	-	-	-	-
PC2. identify and explore learning and employability relevant portals	-	-	-	-
PC3. research about the different industries, job market trends, latest skills required and the available opportunities.	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC4. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC5. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC6. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC7. practice the 21st Century Skills such as Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal and professional life	-	-	-	-
PC8. adopt a continuous learning mindset for personal and professional development	-	-	-	-
<i>Basic English Skills</i>	3	4	-	-
PC9. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC10. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC11. write short messages, notes, letters, e-mails etc. in English	-	-	-	-

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<i>Career Development & Goal Setting</i>	1	2	-	-
PC12. identify career goals based on the skills, interests, knowledge, and personal attributes	-	-	-	-
PC13. prepare a career development plan with short- and long-term goals.	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC14. follow verbal and non-verbal communication etiquette while communicating in professional and public settings	-	-	-	-
PC15. use active listening techniques for effective communication	-	-	-	-
PC16. communicate in writing using appropriate style and format based on formal or informal requirements	-	-	-	-
PC17. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC18. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC19. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC20. identify and select reliable institutions for various financial products and services such as bank account, debit and credit cards, loans, insurance etc.	-	-	-	-
PC21. carry out offline and online financial transactions, safely and securely, using various methods and check the entries in the passbook	-	-	-	-
PC22. identify common components of salary and compute income, expenses, taxes, investments etc.	-	-	-	-
PC23. identify relevant rights and laws and use legal aids to fight against legal exploitation				
<i>Essential Digital Skills</i>	3	5	-	-
PC24. operate digital devices and use their features and applications securely and safely	-	-	-	-
PC25. carry out basic internet operations by connecting to the internet safely and securely, using the mobile data or other available networks through Bluetooth, Wi-Fi, etc.	-	-	-	-
PC26. display responsible online behavior while using various social media platforms	-	-	-	-

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PC27. create a personal email account, send and process received messages as per requirement	-	-	-	-
PC28. carry out basic procedures in documents, spreadsheets and presentations using respective and appropriate applications	-	-	-	-
PC29. utilize virtual collaboration tools to work effectively	-	-	-	-
<i>Entrepreneurship</i>	2	3	-	-
PC30. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC31. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC32. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC33. identify different types of customers and ways to communicate with them	-	-	-	-
PC34. identify and respond to customer requests and needs in a professional manner	-	-	-	-
PC35. use appropriate tools to collect customer feedback	-	-	-	-
PC36. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC37. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC38. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC39. apply to identified job opening using offline /online methods as per requirement	-	-	-	-
PC40. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC41. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	20	30	-	-

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SECTION 2

EVIDENCE OF LEVEL

OPTION B

Title/ Name of qualification/ component: Cold Storage Manager			Level: 6
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none">• Process of performing financial planning and management for the cold storage• Process of managing the cold storage personnel and operations• Process of performing inventory and marketer management• Process of managing the record maintenance, review and audit process	A Cold Storage Manager is responsible for managing the cold storage operations, including financial planning and management, cold storage personnel and operations management, and inventory and marketer management.	6
Professional knowledge	<ul style="list-style-type: none">• Understand different fixed and fluctuating costs concerning the cold storage operations• Know how to carry out financial planning and budgeting for the cold storage• Know how to recruit personnel from appropriate sources• Know how to carry out regular inspections and maintenance of the cold storage tools, equipment, machinery and infrastructure• Know how to identify the relevant risks to cold storage operations• Understand the benefits and process of using non-ODS, low-GWP refrigerants and energy-	The job holder is expected to have knowledge of fixed and fluctuating costs concerning the cold storage operations, financial planning and budgeting for the cold storage, recruiting personnel from appropriate sources, carrying out regular inspections and maintenance of the cold storage tools, equipment, machinery and infrastructure, identifying the relevant risks to cold storage operations, using thermal insulation, humidity-controlled, advanced cooling systems, and energy-efficient automation technologies etc.	6

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	<ul style="list-style-type: none">efficient cooling technologies• Understand the importance of modernizing the cold storage refrigeration systems• Understand the importance of using insulation• Know the benefits of using thermal insulation, humidity-controlled, advanced cooling systems, and energy-efficient automation technologies• Understand the importance of determining the existing stock levels in the cold storage• Know how to use the relevant inventory management system• Know the appropriate inventory management practices• Understand the importance of maintaining effective working relationships with marketers		
Professional skill	<ul style="list-style-type: none">• Carry out financial planning and budgeting for the cold storage• Monitor various expenditures to ensure they are within the budget• Monitor the cash flow and reserves and ensure efficient utilization of cash reserves• Follow the appropriate measures to improve the financial position of the organization• Ensure timely repayment of any credit/loans availed for the organization• Recruit the required personnel from appropriate sources• Organize and conduct appropriate training	The job holder is expected to carry out financial planning and budgeting for the cold storage, monitor various expenditures to ensure they are within the budget, monitor the cash flow and reserves and ensure efficient utilization of cash reserves, follow the appropriate measures to improve the financial position of the organization, ensure timely repayment of any credit/loans availed for the organization, recruit the required personnel from appropriate sources, organize and conduct appropriate training sessions for the personnel	6

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	<p>sessions for the personnel</p> <ul style="list-style-type: none"> • Adopt new and innovative technologies and practices to improve the efficiency of cold storage operations • Ensure compliance with the organizational quality standards and applicable regulations • Incorporate the use of appropriate non-ODS and low-GWP technologies • Use the appropriate inventory management system • Carry out appropriate documentation concerning the service agreement 		
Core Skills	<ul style="list-style-type: none"> • Performing financial planning and management for the cold storage • Managing the cold storage personnel and operations, including recruiting, training and managing the personnel • Incorporation of non-Ozone Depleting Substances (ODS) and low-Global Warming Potential (GWP) technologies in the cold storage operations • Performing inventory and marketer management concerning cold storage operations • Managing the record maintenance, review and audit process as per the applicable regulatory requirements • Ensuring health and safety at the work and dealing with any emergencies or accidents 	<p>The job holder is expected to perform financial planning and management for the cold storage, managing the cold storage personnel and operations, including recruiting, training and managing the personnel, incorporation of non-Ozone Depleting Substances (ODS) and low-Global Warming Potential (GWP) technologies in the cold storage operations, performing inventory and marketer management concerning cold storage operations, managing the record maintenance, review and audit process as per the applicable regulatory requirements, ensuring health and safety at the work and dealing with any emergencies or accidents</p>	6

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Responsibility	<ul style="list-style-type: none">• Responsible for performing financial planning for the cold storage• Responsible for performing financial management for the cold storage• Responsible to recruit and train the personnel• Responsible for managing the cold storage operations• Responsible to Incorporate the non-ODS and low-GWP technologies• Responsible to perform inventory management• Responsible to perform marketer management• Responsible to oversee the maintenance of records and review them• Responsible for arranging for the safe storage of records• Responsible for arranging for audit of records• Responsible to Ensure health and safety• Responsible to deal with emergencies at work	A Cold Storage Manager is responsible for managing the cold storage operations, including financial planning and management, cold storage personnel and operations management, and inventory and marketer management.	6
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SECTION 3**EVIDENCE OF NEED**

26	What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?
Basis	
Need of the qualification	<p>While collecting data from the companies for the occupational map, we also took feedback from industry, training institutions which was collected with respect to roles for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the industry feels they face. Governing council of ASCI and Occupational Standards Committee which comprises of experts & senior leaders gave final approval and endorsement for the same.</p> <p>Supply chain loss in the post-harvest management of agri produce is one of the major determinants of the food problem in India. However, food wastage is not good for two main reasons: firstly, there may be a material loss in terms of energy protein and other nutrients; and secondly, there may be an economic loss in terms of the value of food. The major concern for fresh Agro Supply Chain Management is the post-harvest wastage. India, the world's second-largest fresh agro producer and one of the centers of origin of fresh agro produce, is also one of the biggest food wasters in the world—wasting lots of fresh agro produce (fruits and vegetables) every year. The challenge of feeding India's billion plus people is not really about agriculture and food production but getting the good quality food to the people at the right time. According to various studies and literature available, the most susceptible food category to a lack of cold storage is fruits and vegetables where annual wastage is very high. Controlling the levels of waste is beyond the capability of individual farmers or consumers. The problem is wider and involves various issues in the supply chain of fresh agro produce. The supply chain losses and wastage problems encountered in the agricultural products with special reference to perishable agro produce, i.e., fruits and vegetables.</p>
Industry Relevance	Validations have been received from Asirbadh Hospitality Private Limited, Shriram Bioseed Genetics, Empower Pragati, Sumitomo Chemical India Limited, ANS Tempcontrol Engineers Private Limited
Usage of the qualification	<p>An NSQF-aligned training to the persons involved in grooming of Cold Storage Manager shall provide opportunities to the incumbents for horizontal and vertical career progression. Competency-based training shall imbibe professionalism in the job-role. Being an important and ever-expanding job, the job-role of Cold</p>

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	<p>Storage Manager may well be included in the vocational education stream of school education.</p> <p>An industry-determined specification of performance, sets out the skills, knowledge and attitudes required to operate effectively in employment.</p> <p>For employers, the Cold Storage Manager Qualification standards offer:</p> <ul style="list-style-type: none">• a means of assessing occupational competence objectively, including knowledge and understanding of the subject• a guide for job descriptions and recruitment requirements• a basis for staff appraisals• a systematic approach to analyzing training needs• an opportunity to improve overall company performance by developing a better-trained, better-equipped and more effective workforce. <p>To employees and freelancers, the Cold Storage Manager Qualification standards provide:</p> <ul style="list-style-type: none">• a means for recognizing ability• a means for determining gaps in knowledge, experience and skills• an objective process for identifying training needs• performance indicators and a guide to effectiveness and efficiency. <p>One of the most valuable uses of the occupational standards is in the assessment of a person's performance within a particular job. Because the standards are based on the industry's requirements for ability, skills and knowledge, they provide an objective and directly relevant measure for employers and employees a like.</p>								
	<p>The Qualification Pack shall also be helpful in conducting Recognition of Prior Learning of the Cold Storage Manager</p>								
Estimated uptake	<table><tr><th>QP/Job Role Name</th><th>"States where Demand exist</th><th>"District where Demand exist</th><th>Projections for the next 3 years</th></tr><tr><td>Cold Storage Manager</td><td>PAN INDIA</td><td>Various Districts</td><td>3000</td></tr></table>	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years	Cold Storage Manager	PAN INDIA	Various Districts	3000
QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years						
Cold Storage Manager	PAN INDIA	Various Districts	3000						
27	<p>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences</p> <p>In-process</p>								

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28	<p>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</p> <p>This is the revised version of the already NSQC-approved QP of Cold Storage Manager (NQR- 2019/AGR/ASCI/3588). The revision has been undertaken as the QP is going to expire soon.</p>
29	<p>What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated? Specify the review process here</p> <p>Any institution or individual is welcome to send the feedback, which is recorded and considered during next review cycle.</p> <p>Communication will be sent for any feedback to all the main stakeholders/users one month prior to the review of the qualifications pack.</p> <p>A formal review is scheduled in three years.</p>

Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information

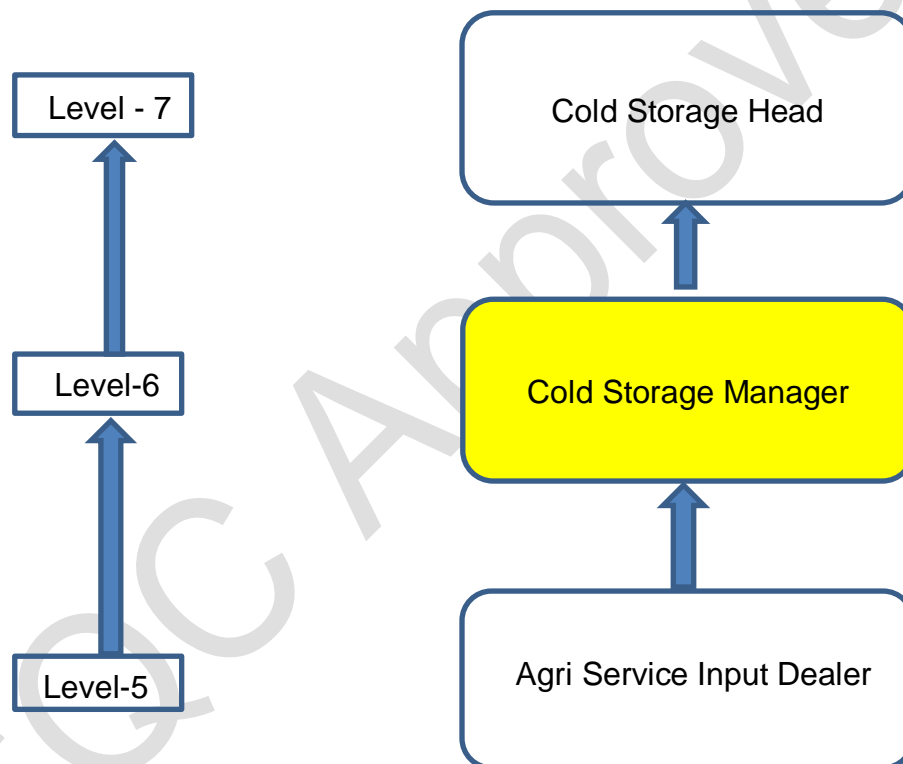
SECTION 4**EVIDENCE OF PROGRESSION****30**

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

Show the career map here to reflect the clear progression

Career path in the agriculture sector is generally in terms of activities done & ownership of responsibility because they are primarily self-wage employment/ entrepreneurship roles.

Annexure 1: Career Map of Cold Storage Manager



Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.