

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-04-AG-00371-2023-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

NSQF QUALIFICATION FILE

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

SUMMARY

1	Qualification Title	Agri Commodity Fumigation Operator
2	Qualification Code, if any	AGR/Q7908, v2.0
3	NCO code and occupation	NCO-2015/1324, Commodity 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 assessing and preparing the worksite and relevant equipment for the fumigation of agricultural commodities, carrying out and monitoring fumigation, and ensuring health and safety at the fumigation worksite.</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	Commodity Management
9	Job description of the occupation	An Agri Commodity Fumigation Operator is responsible for assessing and preparing the worksite and relevant equipment for the fumigation of agricultural commodities, carrying out and monitoring fumigation, and ensuring health and safety at the fumigation worksite.
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 4
13	Anticipated volume of training/learning required to complete the qualification	<p>Total Duration: 390 Hours</p> <p>Compulsory Modules: 330 Hours (Theory: 120 Hours, Practical: 150 Hours, ES: 60 Hours)</p> <p>OJT: 60 Hours</p>
14	Indicative list of training tools required to deliver this	Attached herewith

NSQF QUALIFICATION FILE

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

qualification				
15	Entry requirements and/or recommendations and minimum age	12th grade pass OR 10th grade pass with 2 years of relevant experience OR Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of relevant experience OR Previous relevant qualification of NSQF Level 3.5 with 1.5 years of relevant experience 18 Years		
16	Progression from the qualification (Please show Professional and academic progression)	Agri Commodity Quality Assayer (NSQF Level - 5)		
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
		Theory	Practical	
(i)	Introduction (Bridge Module)	05	00	
(ii)	AGR/N7924: Prepare the worksite for agricultural commodity fumigation	20	35	4
(iii)	AGR/N7925: Prepare the fumigation equipment and fumigants and carry out fumigation	45	45	4
(iv)	AGR/N7926: Ventilate and restore the worksite after fumigation	45	45	4

NSQF QUALIFICATION FILE

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

(v)	AGR/N9903: Maintain health and safety at the workplace	05	25	4
(vi)	DGT/VSQ/N0102: Employability Skills (60 Hours)	60	00	4
	Total	180	150	
OJT: 60 Hours				

NSQC Approved

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 the Qualification Pack.• Assessment criteria for each Qualification Pack developed, in which

NSQF QUALIFICATION FILE

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

	<p>each Performance criteria (PC) assigned marks based on NOS</p> <ul style="list-style-type: none">• 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>
--	--

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

NSQF QUALIFICATION FILE

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

Means of assessment 1
Pass/Fail

NSQC Approved

NSQF QUALIFICATION FILE

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

Job Role: Agri Commodity Fumigation Operator

Qualification Pack: AGR/Q7908, 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.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
AGR/N7924: Prepare the worksite for agricultural commodity fumigation				
<i>Assess the worksite health and safety arrangements</i>	15	18	-	16
PC1. identify the relevant health hazards at the worksite	-	-	-	-
PC2. assess the worksite for appropriate access and security arrangements	-	-	-	-
PC3. assess the general layout of the worksite, connecting structures, adjacent structures and exits	-	-	-	-
PC4. determine the size of the worksite to ensure the safety of personnel and efficient use of equipment and fumigants	-	-	-	-
<i>Prepare the worksite for fumigation</i>	15	22	-	14

NSQF QUALIFICATION FILE

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

PC5. implement appropriate preventive measures for the identified hazards at the worksite	-	-	-	-
PC6. carry out sealing appropriately in the agricultural commodity fumigation area	-	-	-	-
PC7. install barriers and appropriate signage at the worksite to alert individuals and ensure health and safety during the fumigation operations				
PC8. ensure appropriate security measures to prevent unauthorized access to the worksite	-	-	-	-
PC9. check and ensure the availability of appropriate communication facility and equipment at the worksite	-	-	-	-
PC10. ensure all hazardous items with special handling and storage requirements are handled and stored appropriately	-	-	-	-
PC11. ensure compliance with the applicable regulations in ensuring appropriate health and safety arrangements at the worksite				
NOS Total	30	40	-	30
AGR/N7925: Prepare the fumigation equipment and fumigants and carry out fumigation				
<i>Prepare the fumigation equipment and fumigants for use</i>	16	18	-	16
PC1. select the appropriate type of fumigant and fumigation method	-	-	-	-
PC2. determine the appropriate dose of fumigant and the application rate according to the quantity of commodities to be fumigated	-	-	-	-
PC3. prepare the fumigant for use according to the manufacturer's instructions	-	-	-	-
PC4. select the appropriate fumigation equipment for fumigating agricultural commodities	-	-	-	-
PC5. check the calibration and operational effectiveness of the equipment	-	-	-	-
PC6. set up the fumigation equipment for use, adjusting it as required	-	-	-	-
PC7. select the appropriate Personal Protective Equipment (PPE) for fumigation, e.g. protective clothing, face shield, respirator, gloves, etc.				
<i>Carry out fumigation of agricultural commodities</i>	14	22	-	14

NSQF QUALIFICATION FILE

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

PC8. apply liquid fumigant in the form of aerosol or solid space fumigants in the form of pellets/ tablets to the worksite	-	-	-	-
PC9. maintain the recommended fumigant concentration during fumigation	-	-	-	-
PC10. carry out fumigation of different types of commodities separately	-	-	-	-
PC11. follow the recommended measures to prevent the leakage of the fumigant, e.g. maintaining the integrity of seals during the fumigation period and preventing unauthorized access	-	-	-	-
PC12. inspect the worksite to detect fumigant leakage and take appropriate corrective measures to ensure no negative impact on public health	-	-	-	-
PC13. follow the recommended measures to minimize the risk of contamination of non-target commodities	-	-	-	-
PC14. maintain appropriate manual and electronic records concerning the fumigation activities	-	-	-	-
NOS Total	30	40	-	30
AGR/N7926: Ventilate and restore the worksite after fumigation				
<i>Ventilate the worksite</i>	10	13	-	9
PC1. establish appropriate conditions for ventilation to control health risks at the worksite	-	-	-	-
PC2. follow the appropriate method for the safe release of fumigants, ventilating the worksite in a safe and controlled manner	-	-	-	-
<i>Check the fumigant level in the commodities</i>	8	12	-	12
PC3. check the level of fumigants in the fumigated commodities	-	-	-	-
PC4. follow the appropriate control measures when the fumigant levels are found to be higher than the accepted limit	-	-	-	-
<i>Restore the worksite</i>	12	15	-	9
PC5. collect and remove equipment, fumigants and waste safely from the worksite	-	-	-	-
PC6. remove signage and barriers from the worksite	-	-	-	-
PC7. restore the worksite for reuse according to the organizational standards	-	-	-	-
NOS Total	30	40	-	30

NSQF QUALIFICATION FILE

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

AGR/N9903: Maintain health and safety at the workplace				
<i>Maintain personal hygiene</i>	10	5	-	10
PC1. wash hands, legs and face with soap/alcohol-based sanitiser at reasonable intervals	-	-	-	-
PC2. wash the worn clothes with soap and sun-dry before use next time	-	-	-	-
PC3. ensure the face is covered with a mask or three layers of cloth-piece	-	-	-	-
PC4. follow the workplace sanitization norms including distancing from sick people	-	-	-	-
<i>Maintain a clean and safe workplace</i>	15	15	-	15
PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. wear appropriate personal protective equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc. to avoid hazards	-	-	-	-
PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. dispose waste safely and correctly in the designated area	-	-	-	-
PC12. recognize risks to bystanders and take the required action to reduce the risks	-	-	-	-
PC13. work in a manner that minimises environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. report any accidents, incidents or problems without delay to an appropriate person and take	-	-	-	-
PC15. follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	15	5	-	10

NSQF QUALIFICATION FILE

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

PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of the emergency, as per the workplace requirements	-	-	-	-
PC17. use emergency equipment in accordance with the manufacturer's specifications and workplace requirements	-	-	-	-
PC18. report provided treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
PC20. report details of first aid administered in accordance with workplace procedures	-	-	-	-
NOS Total	40	25	-	35
Employability Skills – NOS (60 hours)				
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. Identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals.	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC3. 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.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	2	4	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. 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 for continuous learning etc. in personal and professional life	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-

NSQF QUALIFICATION FILE

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

PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely.	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc.	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-
<i>Entrepreneurship</i>	2	3	-	-
PC23. identify different types of Entrepreneurship and Enterprises and assess	-	-	-	-

NSQF QUALIFICATION FILE

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

opportunities for potential business through research				
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion.	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
NOS Total	20	30	-	-

NSQF QUALIFICATION FILE

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

SECTION 2

EVIDENCE OF LEVEL

OPTION B

Title/ Name of qualification/ component: Agri Commodity Fumigation Operator			Level: 4
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none">• Process of preparing the worksite for agricultural commodity fumigation• Process of preparing the fumigation equipment and fumigants and carry out fumigation• Process of ventilate and restore the worksite after fumigation• Process of maintaining health and safety at the workplace	An Agri Commodity Fumigation Operator is responsible for assessing and preparing the worksite and relevant equipment for the fumigation of agricultural commodities, carrying out and monitoring fumigation, and ensuring health and safety at the fumigation worksite.	4
Professional knowledge	<ul style="list-style-type: none">• Understand the procedure for the assessment and preparation of worksite for fumigation• Know how to deal with the relevant health and safety hazards• Know the relevant signage to be installed at the fumigation worksite• Understand the importance of preventing unauthorized access at the fumigation worksite• Know how to handle and store the hazardous items• Understand the fumigation method	The job holder is expected to have knowledge of assessment and preparation of worksite for fumigation, dealing with the relevant health and safety hazards, relevant signage to be installed at the fumigation worksite, preventing unauthorized access at the fumigation worksite, handling and storing the hazardous items, preparing the fumigation equipment for use, maintaining the fumigation equipment and worksite after fumigation.	4

NSQF QUALIFICATION FILE

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

	<ul style="list-style-type: none"> • Know how to determine the appropriate dose and application rate of fumigant • Know how to prepare the fumigation equipment for use • Know how to maintain manual and electronic records • Know how to check the level of fumigants in the fumigated commodities • Know how to maintain the fumigation equipment and worksite after fumigation 		
Professional skill	<ul style="list-style-type: none"> • Identify the relevant health hazards at the worksite • Carry out sealing appropriately in the agricultural commodity fumigation area • Install barriers and appropriate signage at the worksite • Ensure appropriate security measures • Ensure all hazardous items with special handling and storage • Prepare the fumigant for use • Set up the fumigation equipment for use • Maintain the recommended fumigant concentration during fumigation • Check the level of fumigants in the fumigated commodities • Collect and remove equipment, fumigants and waste safely from the worksite 	The job holder is expected to coordinate in identifying the relevant health hazards at the worksite, carrying out sealing appropriately, installing barriers and appropriate signage, ensuring appropriate security measures, preparing the fumigant for use, setting up the fumigation equipment for use, maintaining the recommended fumigant concentration during fumigation, checking the level of fumigants	4
Core Skills	<ul style="list-style-type: none"> • Assessing the worksite health and safety arrangement • Preparing the worksite for the fumigation of 	The job holder is expected to assess the worksite health and safety arrangement, prepare the worksite for the fumigation of agricultural	4

NSQF QUALIFICATION FILE

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

	<p>agricultural commodities</p> <ul style="list-style-type: none">• Preparing the appropriate equipment and fumigants for the fumigation of agricultural commodities and carrying out fumigation• Ventilating and restoring the worksite after fumigation• Checking the fumigant levels in the commodities and taking appropriate corrective measures as required	<p>commodities, prepare the appropriate equipment and fumigants for the fumigation of agricultural commodities and carry out fumigation, ventilate and restore the worksite after fumigation, check the fumigant levels in the commodities and taking appropriate corrective measures as required</p>	
Responsibility	<ul style="list-style-type: none">• Responsible for assessing the worksite health and safety arrangements• Responsible for preparing the worksite for fumigation• Responsible for preparing the fumigation equipment and fumigants for use• Responsible for carrying out fumigation of agricultural commodities• Responsible to ventilate the worksite• Responsible for checking the fumigant level in the commodities• Responsible to restore the worksite	<p>An Agri Commodity Fumigation Operator is responsible for assessing and preparing the worksite and relevant equipment for the fumigation of agricultural commodities, carrying out and monitoring fumigation, and ensuring health and safety at the fumigation worksite.</p>	4

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>Agriculture is the primary source of livelihood for about 58% of India's population. Gross Value Added by agriculture, forestry, and fishing was estimated at Rs. 19.48 lakh crore (US\$ 276.37 billion) in FY20. Share of agriculture and allied sectors in gross value added (GVA) of India at current prices stood at 17.8 % in FY20. Consumer spending in India will return to growth in 2021 post the pandemic-led contraction, expanding by as much as 6.6%.</p> <p>India's agricultural production has improved significantly. India is now a major producer of many agricultural commodities, fruits, and vegetables. According to the Ministry of Agriculture annual India ranks within top two global producers of rice, wheat, sugarcane, cashew-nut, pepper, cotton, jute, spices, potato, tomato, and tea. As per the Department of Animal Husbandry, Dairying & Fisheries, India is also the world leader in milk production and ranks third in egg production.</p> <p>India is among the world's leaders in terms of production volume for commodities such as rice, wheat, cotton, sugar, horticulture, and dairy. Agriculture and related sectors such as forestry and fisheries account for 20.2 percent of the country's GDP.</p> <p>Agriculture is the largest sector for employment in India</p>
Industry Relevance	<p>Validations have been received from Mr. Jagdeep Grewal, An Agricultural Value chain professional, Shriram Bioseed Genetics, Integrated Facilitation Services, College of Agriculture UAHS-Shivamogga, Sumitomo Chemical India Limited</p>
Usage of the qualification	<p>An NSQF aligned training to the persons involved in grooming of Agri Commodity Fumigation Operator 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 Agri Commodity Fumigation Operator may well be included in the vocational education stream of school education.</p>

NSQF QUALIFICATION FILE

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

	<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 Agri Commodity Fumigation Operator Qualification standardsoffer:</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 Agri Commodity Fumigation Operator 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 Agri Commodity Fumigation Operator</p>			
Estimated uptake	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years
	Agri Commodity Fumigation Operator	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>			

NSQF QUALIFICATION FILE

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

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 Agri Commodity Fumigation Operator (NQR- 2019/AGR/ASCI/3261). 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 feedback, which is recorded and considered during the 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

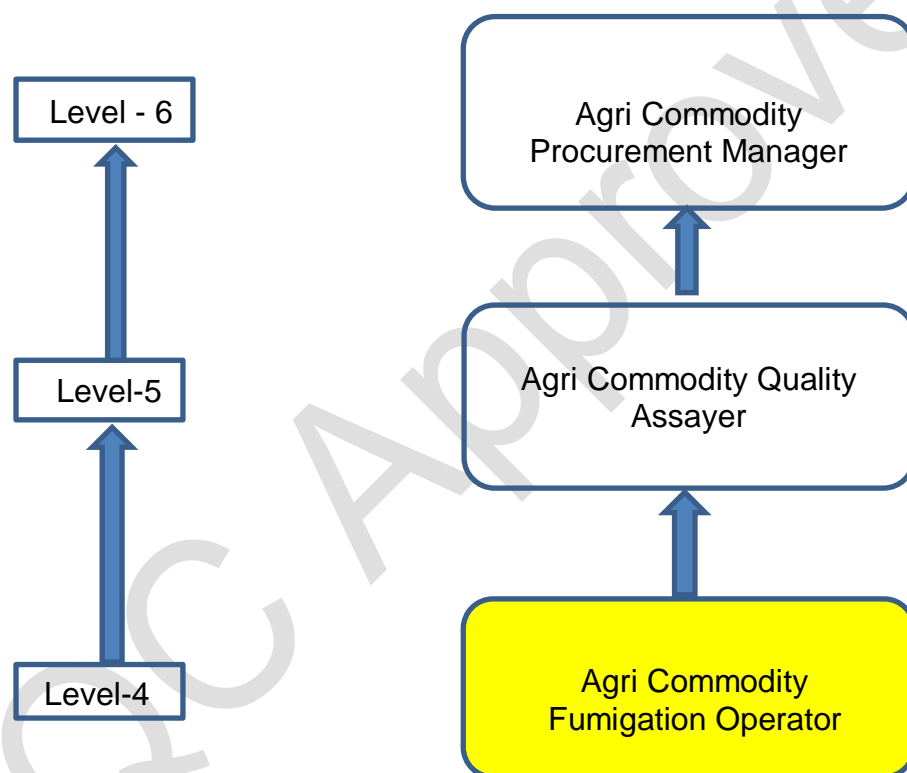
SECTION 4**EVIDENCE OF PROGRESSION****30**

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 Agri Commodity Fumigation Operator



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.