

NSQF QUALIFICATION FILE

Approved in 14th NSQC Meeting – NCVET – 30th December 2021

Approved on file Dated 07.02.2023

Qualification Code
QG-03-AG-00286-2023-V1.1-ASCI

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

Name and contact details of individual dealing with the submission

Name: Ms. Priyanka Prakash

Position in the organization: Senior Manager – Standards & QA

Address, if different from above

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

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List of documents submitted in support of the Qualifications File

1. Qualifications Pack – Annexure 1
2. Model Curriculum – Annexure 2
3. Affiliation Protocol- Annexure 3
4. Industry Validations- Annexure 4

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	Seed Processing Worker
2	Qualification Code, if any	AGR/Q7102, v3.0
3	NCO code and occupation	NCO-2015/6130.0202
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	<p>Nature of the qualification</p> <ul style="list-style-type: none">- a Qualification Pack (QP) <p>The main purpose of the qualification is -</p> <ul style="list-style-type: none">- to train the incumbent for various activities under supervision in the process of processing seeds such as drying, pre-cleaning, cleaning, grading and seed treatment. The person also packs and labels seeds for the purpose of distribution.
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	Seed Processing Worker
9	Job description of the occupation	A Seed Processing Worker performs various activities under supervision in the process of processing seeds such as drying, pre-cleaning, cleaning, grading and seed treatment. The person also packs and labels seeds for the purpose of distribution.
10	Licensing requirements	NA
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NA

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12	Level of the qualification in the NSQF	Level 3
13	Anticipated volume of training/learning required to complete the qualification	300 hours (Theory: 90, Practical: 150, ES: 30, OJT(Recommended): 30)
14	Indicative list of training tools required to deliver this qualification	Attached herewith
15	Entry requirements and/or recommendations and minimum age	Minimum Educational Qualification: Grade 10 OR Grade 8 with two years of (NTC/ NAC) after 8th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2-year relevant experience OR 5th grade pass with 5-year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1-year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months' relevant experience Min Age: 16 years
16	Progression from the qualification (Please show Professional and academic progression)	Quality Seed Grower (L4)

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17	Arrangements for the Recognition of Prior learning (RPL)	<p>RPL assessment will be as per normal ASCI assessment process.</p> <p>(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).</p>		
18	International comparability where known (research evidence to be provided)	Not done as yet		
19	Date of planned review of the qualification.	30/12/2024		
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)	5	0	
(ii)	AGR/N7106 Carry out drying and cleaning of seeds	25	30	3
(iii)	AGR/N7107 Carry out seed Treatment	20	40	
(iv)	AGR/N7108 Weigh, pack, label and store the seeds	30	60	
(v)	AGR/N9903 Maintain health and safety at the workplace	10	20	
(vi)	DGT/VSQ/N0101 Skills (30 Hours) Employability v1.0	30		
	TOTAL	120	150	

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	OJT (Recommended)	30 Hours	
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SECTION 1

ASSESSMENT

21	<p>Body/Bodies which will carry out assessment:</p> <p>ASCI affiliated assessment bodies.</p> <ol style="list-style-type: none">1. SHL India (Pvt.) Ltd2. Trendsetters Skill Assessors Pvt Ltd.3. Mercer-Mettl4. SP Institute of Workforce Development(SPIWD)5. MSAG SI LLP <p>More Assessment Agencies are being empanelled to cover wider geographical area</p>
22	<p>How will RPL assessment be managed and who will carry it out?</p> <p>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.</p>

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23	<p>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.</p> <p>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:</p> <ul 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
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	<p>ASCI's assessment strategy:</p> <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 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
Means of assessment 1	

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Pass/Fail

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Job Role: Quality Seed Grower

Qualification Pack: AGR/Q7102, 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

AGR/N7106: Carry out drying and cleaning of seeds					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Examine the seeds received for processing</i>		12	6		10
PC1.	examine the seeds for impurities and admixture from other seed lots as per the supervisor's instructions	-	-	-	-
PC2.	assist in sorting out the seed lots with broken, diseased, moisture-damaged seeds above the permissible limits	-	-	-	-
PC3.	check the moisture level using a moisture meter	-	-	-	-

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PC4.	select specific seed lot for processing according to the nearest planting season and supervisor's instructions	-	-	-	-
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	<i>Dry the seeds</i>	6	8		6
PC5.	select an appropriate method for drying seeds according to the weather, quantity of seeds and the supervisor's instructions	-	-	-	-
PC6.	sun-dry/ air-dry seeds under favourable weather conditions	-	-	-	-
PC7.	co-ordinate with the supervisor for testing the moisture level of seeds and determine if it is appropriate for further processing	-	-	-	-
PC8.	dry the seeds mechanically as directed by the supervisor using static grain dryer/ recirculating grain dryer/ continuous flow dryer when the weather conditions are not conducive for natural drying	-	-	-	-
PC9.	check the drying air temperature to avoid heat stress	-	-	-	-
PC10.	halt the drying process when the seeds achieve the required level of moisture to avoid over-drying	-	-	-	-
	<i>Carry out pre-cleaning</i>	4	8		4
PC11.	select an appropriate method for pre-cleaning such as winnowing, scalping, de-awning according to the quantity of impurities in the seeds and supervisor's instructions	-	-	-	-
PC12.	co-ordinate with supervisor for selecting the appropriate pre-cleaning machinery such as an aspirator or separator	-	-	-	-
PC13.	set up the pre-cleaning machinery as per the manufacturer's instructions	-	-	-	-
PC14.	operate the pre-cleaning machinery as directed by the supervisor to remove material larger or smaller than the seeds such as leaves, stones, sticks, sand, fine dust etc.	-	-	-	-
PC15.	use the relevant Personal Protective Equipment (PPE) while operating the machinery	-	-	-	-
	<i>Carry out cleaning</i>	4	12		6

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PC16.	select manual or mechanical method for basic cleaning according to the quantity of seeds to be processed and as per the supervisor's instructions	-	-	-	-
PC17.	use a sorting table or sieve to remove damaged grains or other unwanted particles during manual cleaning	-	-	-	-
PC18.	use an air-screen cleaner to clean the seeds mechanically				
PC19.	carry out fine cleaning and grading as per the supervisor's instructions to further improve the quality of seeds	-	-	-	-
PC20.	segregate the seed lots that have little impurities	-	-	-	-
	<i>Perform waste management</i>	4	6		4
PC21.	segregate waste into different categories as per the supervisor's instructions				
PC22.	dispose non-recyclable waste appropriately as instructed				
PC23.	deposit recyclable and reusable material at the identified location	-	-	-	-
NOS Total		30	40		30
AGR/N7107: Carry out seed treatment					
	<i>Prepare for seed treatment</i>	8	8		8
PC1.	assist in examining the cleaned and dried seeds to identify the appropriate seed treatment needs	-	-	-	-
PC2.	select an appropriate seed treatment method such as seed dressing/ seed coating/ seed pelleting as per the supervisor's instructions	-	-	-	-
PC3.	assist in selecting the appropriate pesticides/ insecticides/ fungicides as per the variety of seed and treatment needs	-	-	-	-
PC4.	co-ordinate with the supervisor in arranging the necessary required pesticides/ insecticides/ fungicides and adhesive/ binder, tools, equipment and PPE	-	-	-	-

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PC5.	handle the pesticides/ insecticides/ fungicides as per the manufacturer's instructions	-	-	-	-
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	<i>Carry out seed dressing</i>	6	6		6
PC6.	install the manual seed dressing drum or relevant seed dressing machinery as per the manufacturer's instructions	-	-	-	-
PC7.	prepare a dry formulation as per the supervisor's instructions by mixing pesticides/ insecticides/ fungicides with a slurry or a liquid formulation suitable to the seeds to be dressed	-	-	-	-
PC8.	add the relevant fertilizer and growth promoters as directed	-	-	-	-
PC9.	fill in the seed dressing drum with the recommended quantity of dressing formulation and seeds	-	-	-	-
PC10.	operate the seed dressing drum or relevant seed dressing machinery as per the supervisor's instructions to carry out seed dressing	-	-	-	-
	<i>Carry out seed coating</i>	6	8		6
PC11.	prepare the seed coating machine for operations as per the manufacturer's instructions	-	-	-	-
PC12.	assist in selecting the appropriate fungicide and binder/ adhesive for coating seeds	-	-	-	-
PC13.	dissolve the recommended quantity of pesticide/ insecticide/ fungicide into water	-	-	-	-
PC14.	prepare the pesticide/ insecticide/ fungicide slurry by adding binder/ adhesive in the recommended ratio, using the relevant PPE	-	-	-	-
PC15.	apply the slurry uniformly inside the seed coating container	-	-	-	-
PC16.	fill in the container with the appropriate quantity of seeds as directed by the supervisor	-	-	-	-
PC17.	apply the container seal firmly and shake the container as per the SOP to coat seeds uniformly with the slurry	-	-	-	-
	<i>Carry out seed pelleting</i>	4	8		4

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PC18.	install the tumbling drum/ rotary pan/ coating pan as per manufacturer's instructions	-	-	-	-
PC19.	co-ordinate with the supervisor for arranging the recommended seed covering material such as talcum powder/ clay, adhesive and an active ingredient to prepare the coating formulation	-	-	-	-
PC20.	prepare the coating formulation by mixing the covering material, adhesive and appropriate fungicide/ pesticide/ insecticide in the ratio recommended by the supervisor	-	-	-	-
PC21.	fill in the tumbling drum with the recommended quantity of seeds and coating formulation for pelleting	-	-	-	-
PC22.	operate tumbling drum/ rotary pan/ coating pan as per the manufacturer's instructions	-	-	-	-
PC23.	examine the flower seeds during the operation regularly to ensure seeds achieve the required level of coating and weight	-	-	-	-
PC24.	collect the pelleted flower seeds in an appropriate container	-	-	-	-
PC25.	dry the seeds under the sun or using a dryer as directed by the supervisor	-	-	-	-
	<i>Optimise resource utilisation</i>	4	8		4
PC26.	use water, electricity and relevant materials optimally in different tasks and processes as per the supervisor's instructions	-	-	-	-
PC27.	connect electrical tools and equipment safely and turn them off when not in use	-	-	-	-
	<i>Practice inclusion at work</i>	2	2		2
PC28.	empathise with Persons with Disabilities (PwD) at work	-	-	-	-
PC29.	adopt gender-neutral behaviour at work	-	-	-	-
	NOS TOTAL	30	40		30
AGR/N7108: Weigh, pack, label and store the seeds					

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	<i>Weigh and pack the seeds</i>	10	12		10
PC1.	assist the supervisor in selecting the appropriate packing material according to the type of seeds	-	-	-	-
PC2.	assist the supervisor in arranging the packing material and checking that it conforms to the applicable regulatory requirements	-	-	-	-
PC3.	check the packing material for any damage and request replacement as required	-	-	-	-
PC4.	collect the treated seeds for packing	-	-	-	-
PC5.	fill in the seed bags with the treated seeds ensuring no damage to seeds	-	-	-	-
PC6.	weigh the seed bags to ensure correct weight as printed on the bags	-	-	-	-
PC7.	seal the seed bags firmly	-	-	-	-
	<i>Check and apply seed bag labels</i>	6	4		6
PC8.	assist the supervisor in checking the seed bag labels to ensure they have the required information such as the name of the seed processor with company code, seed category, species, variety and quantity, seed treatment, etc.	-	-	-	-
PC9.	apply labels on the seed bags as per the supervisor's instructions	-	-	-	-
PC10.	maintain the record of seed bags packed and labelled	-	-	-	-
	<i>Prepare the storage area</i>	6	12	-	6
PC11.	clean the storage area to remove all dust, waste, water and hazardous materials	-	-	-	-
PC12.	apply the necessary treatment in the storage area as per the supervisor's instructions to remove any pests, insects and rodents	-	-	-	-
PC13.	assist the supervisor in checking the storage area has the required good air circulation, temperature and humidity levels for storing seeds	-	-	-	-

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PC14.	co-ordinate with the supervisor for organising the appropriate materials for the safe storage of seeds such as wooden platforms, racks and pallets	-	-	-	-
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	<i>Store the seed bags</i>	8	12		8
PC15.	check the seed bags for correct sealing, and seal the bags that are not sealed	-	-	-	-
PC16.	stack the seed bags in the correct position, ensure that weight pressure does not cause damage to seeds	-	-	-	-
PC17.	maintain appropriate spacing between the seed bags	-	-	-	-
PC18.	handle and store seeds bags of different seed types separately as per the supervisor's instructions	-	-	-	-
PC19.	maintain the record of seed bags stored in the storage area	-	-	-	-
	NOS TOTAL	30	40		30
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 sanitizer at reasonable intervals	-	-	-	-
PC2.	wash the worn clothes with soap and sun-dry before use next time	-	-	-	-
PC3.	ensure the face is covered with mask or three layers of cloth-piece	-	-	-	-
PC4.	follow the workplace sanitisation norms including distancing from sick people	-	-	-	-
	<i>Maintain 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	-	-	-	-

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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 required action to reduce the risks	-	-	-	-
PC13.	work in a manner which minimizes 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 necessary immediate action to reduce further danger	-	-	-	-
PC15.	follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
Administer appropriate emergency procedures		15	5		10
PC16.	follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements	-	-	-	-
PC17.	use emergency equipment in accordance with manufacturer's specifications and workplace requirements	-	-	-	-
PC18.	provide 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	-	-	-	-

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PC20.	report details of first aid administered in accordance with workplace procedures	-	-	-	-
NOS Total		40	25		35

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DGT/VSQ/N0101: Employability Skills (30 Hours)					
	<i>Introduction to Employability Skills</i>	1	1	-	-
PC1.	understand the significance of employability skills in meeting the job requirements	-	-	-	-
	<i>Constitutional values – Citizenship</i>	1	1	-	-
PC2.	identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
	<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC3.	explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
	<i>Basic English Skills</i>	2	3	-	-
PC4.	speak with others using some basic English phrases or sentences	-	-	-	-
	<i>Communication Skills</i>	1	1	-	-
PC5.	follow good manners while communicating with others	-	-	-	-
PC6.	work with others in a team	-	-	-	-
	<i>Diversity & Inclusion</i>	1	1	-	-
PC7.	communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8.	report any issues related to sexual harassment	-	-	-	-
	<i>Financial and Legal Literacy</i>	3	4	-	-
PC9.	use various financial products and services safely and securely	-	-	-	-
PC10.	calculate income, expenses, savings etc.	-	-	-	-

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PC11.	approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
	<i>Essential Digital Skills</i>	4	6	-	-
PC12.	operate digital devices and use its features and applications securely and safely	-	-	-	-
PC13.	use internet and social media platforms securely and safely	-	-	-	-
	<i>Entrepreneurship</i>	3	5	-	-
PC14.	identify and assess opportunities for potential business	-	-	-	-
PC15.	identify sources for arranging money and associated financial and legal challenges	-	-	-	-
	<i>Customer Service</i>	2	2	-	-
PC16.	identify different types of customers	-	-	-	-
PC17.	identify customer needs and address them appropriately	-	-	-	-
PC18.	follow appropriate hygiene and grooming standards	-	-	-	-
	<i>Getting ready for apprenticeship & Jobs</i>	1	3	-	-
PC19.	create a basic biodata NSQC Approved	-	-	-	-
PC20.	search for suitable jobs and apply	-	-	-	-
PC21.	identify and register apprenticeship opportunities as per requirement	-	-	-	-
	NOS Total	20	30	-	-

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Title/ Name of qualification/ component: Seed Processing Worker			Level: 3
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none">Examine the seeds received for processingDry the seedsCarry out pre-cleaningPrepare for seed treatmentWeigh and pack the seedsCheck and apply seed bag labels	A Seed Processing Worker performs various activities under supervision in the process of processing seeds such as drying, pre-cleaning, cleaning, grading and seed treatment. The person also packs and labels seeds for the purpose of distribution.	3
Professional knowledge	<ul style="list-style-type: none">Mentor apprenticeAdminister appropriate emergency proceduresMaintain personal hygieneMaintain clean and safe workplace	The job holder is expected to have knowledge of types of raw seeds and their purity level, types of machineries used for processing seeds, methods to record and maintain records on observations related to raw materials, process and finished products, supplier, manufacturer's instructions related to machineries.	3
Professional skill	<ul style="list-style-type: none">Practice inclusion at workOptimize resource utilization	The job holder is expected to possess skills required to review production of ascertain product	3

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	<ul style="list-style-type: none">• Perform waste management	details such as type of seeds, quantities, specifications of seeds in order to plan production operation, observe control points and equipment at regular intervals to ensure operational performance and optimum utilization, evaluate, ensure timely production with minimum or no wastage, and ensure that the quality of seeds produced meet organisation and regulatory.	
Core Skills	<ul style="list-style-type: none">• Carry out seed dressing• Carry out seed coating• Carry out seed pelleting• Prepare the storage area• Store the seed bags	The job holder is expected to possess desired skills, to process details such as carrying out drying, pre-cleaning and cleaning of seeds under supervision. It also covers relevant waste management practices. Also, type of seeds used, and other process parameters, co-ordinate with supervisor or team and ensure machine breakdowns are attended to immediately in order to prevent operational delays, perform various seed production related steps.	3
Responsibility	<ul style="list-style-type: none">• The user/individual must know and understand how to identify the different type of seeds• the process of processing seeds such as drying, pre-cleaning, cleaning, grading and seed treatment.• Responsible for packs and labels seeds for the purpose of distribution	A Seed Processing Worker is responsible for performing various activities under supervision in the process of processing seeds such as drying, pre-cleaning, cleaning, grading and seed treatment. The person also packs and labels seeds for the purpose of distribution.	3

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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>The agriculture and allied sector continue to be significant for the inclusive and sustainable growth of the Indian economy, according to industry interactions and a report published by ICAR, The Indian Seed Industry is the sixth largest in the world in value terms accounting for about 4.5% of global industry. The domestic seeds industry, currently valued at USD 3.2 billion, has grown at a CAGR of 8.4% in volumes terms over FY09 to FY15(P) to reach 3.5 million tonnes (consumption). Due to the increasing growth rate of this industry, more manpower is required within this sector to increase production and meet the growing demand. Indian population and contribute to roughly 17% of the GDP. Growth in GVA in agriculture and allied sectors stood at 4% in FY20.</p> <p>India is among the 15 leading exporters of agricultural products in the world. Agricultural export from India reached US\$ 38.54 billion in FY19 and US\$ 28.93 billion in FY20 (till January 2020).</p>			
Industry Relevance	Validations have been received from Zuari Agro Chemicals Ltd, Seedworks International Pvt. Ltd, Ananya Seeds Pvt Ltd, Shakti Vardhak Hybrid Seeds Private Limited, DCM Shriram Ltd, Shriram Bio seeds Genetics.			
Usage of the qualification	<p>An NSQF aligned training to the persons involved in grooming of Seed Processing Worker 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,</p> <p>The Qualification Pack shall also be helpful in conducting Recognition of Prior Learning of the Quality Seed Grower.</p>			
Estimated uptake	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years

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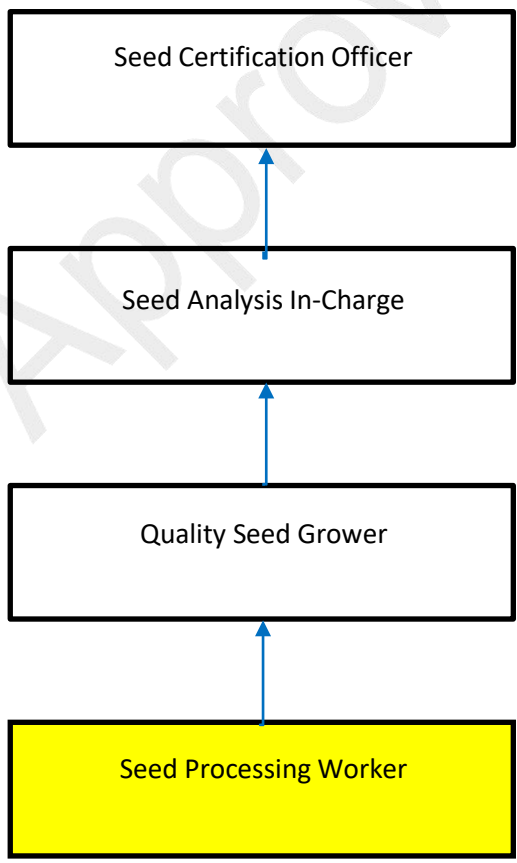
	Seed Processing Worker	MADHYA PRADESH, ANDHRA PRADESH, PUNJAB, HARYANA, UTTAR PRADESH, MAHARASHTRA AND ASSAM	Various district of mentioned States	3000
27	Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences Have received concurrence from the M&T Division, MoA & FW			
28	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 This is the revised version of the already NSQC approved QP. The revision has been undertaken as the QP is going to expire soon.			
29	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 Any institution or individual is welcome to send the feedback, which is recorded and considered during next review cycle. Communication will be sent for any feedback to all the main stakeholders/users one month prior to the review of the qualifications pack. A formal review is scheduled in three year.			

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	<p>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? <i>Show the career map here to reflect the clear progression</i></p> <p>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.</p> <p>Annexure 1: Career Map of Seed Processing Worker</p>  <pre> graph BT A[Seed Processing Worker] --> B[Quality Seed Grower] B --> C[Seed Analysis In-Charge] C --> D[Seed Certification Officer] </pre> <p>The career map illustrates a four-level progression. At the base is the 'Seed Processing Worker' (highlighted in yellow), corresponding to NSQF Level 3. An upward arrow leads to 'Quality Seed Grower' at NSQF Level 4. Another upward arrow leads to 'Seed Analysis In-Charge' at NSQF Level 5. A final upward arrow leads to 'Seed Certification Officer' at NSQF Level 6. The levels are listed on the left side of the map.</p>
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