

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-03-AG-00369-2023-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	Jute and Mesta Cultivator
2	Qualification Code, if any	AGR/Q0204, v2.0
3	NCO code and occupation	NCO-2015/6111.0200, Field Crops Cultivation (Cash crops)
4	Nature and purpose of the qualification (Please specify whether qualification is shortterm or long term)	<p>Nature of the qualification-a Qualification Pack(QP)</p> <p>The individual will be responsible for cultivating jute and mesta plants and extracting their fibre. In the process, the individual selects an appropriate site, prepares the field, procures the planting material and sows the jute and mesta seeds.</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	Field Crops Cultivation (Cash crops)
9	Job description of the occupation	<p>A Jute and Mesta Cultivator is responsible for cultivating jute and mesta plants and extracting their fibre. In the process, the individual selects an appropriate site, prepares the field, procures the planting material and sows the jute and mesta seeds. The person maintains the jute and mesta plants, including nutrient, irrigation, weed, and pest and disease management. The person also harvests jute and mesta crops, extracts their fibre and markets it.</p>
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 3
13	Anticipated volume of training/learning required to complete the qualification	<p>Total Duration: 270 Hours</p> <p>Compulsory Modules: 240 Hours (Theory: 90 Hours, Practical: 120 Hours, ES: 30 Hours)</p>

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		OJT: 30 Hours)
14	Indicative list of training tools required to deliver this qualification	Attached herewith
15	Entry requirements and/or recommendations and minimum age	8th grade pass with 2 years of relevant experience OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 5th grade pass with 5 years of relevant experience OR Previous relevant qualification of NSQF Level 2 with 1 year of relevant experience OR Previous relevant qualification of NSQF Level 2.5 with 6 months of relevant experience 18 Years
16	Progression from the qualification (Please show Professional and academic progression)	Group Farming Practitioner (NSQF Level-4)
17	Arrangements for the Recognition of Prior learning(RPL)	RPL assessment will be as per normal ASClassessment 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	

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	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)		Level
		Theory	Practical	
(i)	Introduction (Bridge Module)	05	00	
(ii)	AGR/N0211: Select the site, prepare the land and sow Jute and Mesta seeds	20	35	3
(iii)	AGR/N0212: Maintain the Jute and Mesta plants	30	30	3
(iv)	AGR/N0213: Perform harvesting and post-harvest management of Jute and Mesta crops	15	15	3
(v)	AGR/N0220: Market jute and mesta and maintain records	15	15	3
(vi)	AGR/N9903: Maintain health and safety at the workplace	05	25	4
(vii)	DGT/VSQ/N0101: Employability Skills (30 Hours)	30	00	2
	Total	120	120	
	OJT:	30 Hours		

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 Ltd3. 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>
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> <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 <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

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	<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>
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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

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Job Role: Jute and Mesta Cultivator

Qualification Pack: AGR/Q0204, 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	Theory Marks	Practical Marks	Project Marks	Viva Marks
AGR/N0211: Select the site, prepare the land and sow jute and mesta seeds				
<i>Select the site for jute and mesta cultivation</i>	4	6	-	4
PC1. select a site with the recommended agro-climatic conditions and land with the recommended topography, i.e. elevation and slope for jute and mesta cultivation	-	-	-	-
PC2. ensure the site does not experience waterlogging	-	-	-	-
PC3. check the soil type to ensure it is suitable for jute and mesta cultivation	-	-	-	-
<i>Prepare the land for jute and mesta cultivation</i>	12	16	-	12
PC4. arrange the necessary tools, equipment and machineries required for jute and mesta cultivation	-	-	-	-

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PC5. collect and label soil samples with the relevant information and coordinate with a government-approved for soil-testing	-	-	-	-
PC6. remove any weeds, debris and waste material from the field	-	-	-	-
PC7. carry out ploughing, harrowing and planking in the field for the recommended number of times to break soil clods and achieve a fine tilth	-	-	-	-
PC8. apply the necessary treatment to the soil as per the recommendations of the soil-testing laboratory, e.g. compost to increase the percentage of organic matter	-	-	-	-
PC9. apply the basal dose of manure to improve the physical properties of the soil	-	-	-	-
PC10. create drainage channels in the field to ensure effective water drainage	-	-	-	-
PC11. install an appropriate irrigation system in the field	-	-	-	-
<i>Sow the jute and mesta seeds</i>	14	18	-	14
PC12. select an appropriate season for planting jute and mesta	-	-	-	-
PC13. select the appropriate jute and mesta varieties to grow according to the climatic conditions and soil type available at the site	-	-	-	-
PC14. procure the seeds for the selected varieties from reliable sources, such as government nurseries, research institutes, agricultural universities and approved vendors	-	-	-	-
PC15. treat the seeds following an appropriate seed treatment method before sowing	-	-	-	-
PC16. sow seeds in the field manually or using an appropriate seed sowing equipment at the recommended seed rate	-	-	-	-
PC17. follow an appropriate seed sowing method	-	-	-	-
PC18. maintain required sowing depth and plant and row spacing to allow optimum conditions for seed germination and growth of seedlings	-	-	-	-
PC19. apply the recommended organic and inorganic fertilizers in appropriate quantities in the field and carry out irrigation after sowing	-	-	-	-

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PC20. carry out thinning after the recommended number of days following sowing	-	-	-	-
NOS Total	30	40	-	30
AGR/N0212: Maintain the jute and mesta plants				
<i>Perform nutrient management of jute and mesta</i>	7	9	-	7
PC1. select the appropriate organic and inorganic fertilizers for application in the field	-	-	-	-
PC2. prepare organic fertilizers such as farmyard manure and vermicompost, and prepare the mixture of liquid fertilizers for application in the field	-	-	-	-
PC3. apply organic and inorganic fertilizers in the field, using them in the recommended quantity according to the stages of growth of the jute and mesta crops	-	-	-	-
PC4. use the appropriate tools and equipment for fertilization application	-	-	-	-
PC5. carry out intercropping with the recommended crops for the best utilization of soil nutrients	-	-	-	-
PC6. follow the recommended practices for soil conservation, e.g. mulching to conserve soil moisture and application of organic fertilizers	-	-	-	-
<i>Perform irrigation management of jute and mesta</i>	4	6	-	4
PC7. follow the recommended irrigation schedule for the grown jute and mesta varieties	-	-	-	-
PC8. carry out irrigation in the field according to the rainfall and stages of the growth of jute and mesta crops	-	-	-	-
PC9. follow the recommended measures to ensure there is no under or over-irrigation	-	-	-	-
PC10. ensure no waterlogging in the field by draining out the excess water	-	-	-	-
<i>Perform integrated pest and disease management of jute and mesta</i>	11	13	-	11
PC11. follow the relevant preventive measures to protect the jute and mesta crops from pest and disease infestation, such as light traps, sticky traps, etc.	-	-	-	-

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PC12. adopt the natural enemies of jute and mesta pests to control and prevent pest infestation	-	-	-	-
PC13. check the jute and mesta plants regularly to identify the symptoms of pest and disease infestation	-	-	-	-
PC14. determine the economic threshold level of pest infestation to initiate the appropriate remedial action to prevent the pest population from reaching the Economic Injury Level (EIL)	-	-	-	-
PC15. follow the appropriate Integrated Pest and Disease Management (IPDM) techniques for removing identified pests and diseases	-	-	-	-
PC16. identify and remove the pest-infested parts of jute and mesta to prevent the spread of pests and disease to the healthy ones	-	-	-	-
PC17. apply the recommended treatment in the appropriate dose to jute and mesta to remove pests and diseases	-	-	-	-
PC18. follow the recommended safety practices while applying any treatment, such as using the relevant PPE	-	-	-	-
PC19. maintain the record of the use of pesticides	-	-	-	-
PC20. use the recommended combination of biological, mechanical and chemical control methods for effective pest and disease prevention	-	-	-	-
<i>Carry out pruning and trimming</i>	3	5	-	3
PC21. identify the need for trimming and pruning the jute and mesta plants	-	-	-	-
PC22. carry out trimming and pruning using the appropriate tools and implements, ensuring not to cause damage to the stem	-	-	-	-
PC23. use the plant residue from trimming and pruning to prepare compost, manure, etc.	-	-	-	-
<i>Perform weed management of jute and mesta</i>	5	7	-	5
PC24. check the jute and mesta fields regularly to identify weed growth	-	-	-	-

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PC25. remove weeds manually using the appropriate tools and implements, retaining the weeds of importance during the weeding process	-	-	-	-
PC26. select and prepare the recommended herbicide/ bio-herbicide solution suitable to the crop	-	-	-	-
PC27. apply the recommended herbicide/ bio-herbicide safely in the recommended dose using the appropriate equipment	-	-	-	-
PC28. follow an appropriate combination of different types of intercultural and mechanical methods for effective weed control	-	-	-	-
NOS Total	30	40	-	30
AGR/N0213: Perform harvesting and post-harvest management of jute and mesta crops				
<i>Harvest the jute and mesta crops</i>	15	20	-	15
PC1. check the jute and mesta crops to determine their maturity for harvesting	-	-	-	-
PC2. identify the maturity indices and select an appropriate time for harvesting the crops	-	-	-	-
PC3. arrange the appropriate tools and implements for harvesting, such as the sickle	-	-	-	-
PC4. harvest the jute plants by uprooting them in the flooded lands	-	-	-	-
PC5. ensure to harvest the mesta crop in the recommended months according to the mesta varieties	-	-	-	-
PC6. maintain the harvested jute plants in the field for the recommended duration to allow the leaves to shed	-	-	-	-
PC7. collect the harvested jute plants in bundles after trimming the branching tops and tying them into bundles	-	-	-	-
<i>Perform post-harvest management of jute and mesta crops</i>	15	20	-	15
PC8. carry out retting to facilitate the separation of the fibre from the stem, following the recommended retting method, e.g. stem, ribbon or dry retting	-	-	-	-
PC9. ensure to perform steep retting in clean water at the recommended temperature	-	-	-	-

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PC10. extract the jute and mesta fibre following an appropriate method, e.g. Single plant extraction method or Beat-break-jerk method	-	-	-	-
PC11. clean the extracted fibre using clean water and dry it under the sun for the recommended duration	-	-	-	-
PC12. follow the recommended measures to ensure minimum wastage during harvesting	-	-	-	-
PC13. grade the fibre on the applicable parameters, e.g. strength, root content, fineness, density, etc.	-	-	-	-
PC14. create bales of the extracted fibre using the bale press machine	-	-	-	-
PC15. pack the fibre using the appropriate packing material	-	-	-	-
NOS Total	30	40	-	30
AGR/N0220: Market jute and mesta and maintain records				
<i>Market jute and mesta</i>	21	28	-	21
PC1. identify the buyers of jute and mesta, such as jute mills, and traders	-	-	-	-
PC2. negotiate with the buyers to secure a profitable price	-	-	-	-
PC3. arrange safe transportation to deliver jute and mesta to the buyer	-	-	-	-
PC4. ensure safe loading and unloading of jute and mesta	-	-	-	-
PC5. follow the recommended measures to protect jute and mesta products from damage while handling and transporting them	-	-	-	-
PC6. process the payments using the buyer-preferred e-payment method	-	-	-	-
PC7. calculate the benefit-cost (B:C) ratio	-	-	-	-
<i>Maintain records</i>	9	12	-	9
PC8. maintain the manual and/or electronic record of sales and payments using the physical registers and/or the relevant computer application	-	-	-	-
PC9. maintain the electronic backup of records to protect against their accidental loss	-	-	-	-

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PC10. review the records regularly to ensure they are accurate and up-to-date	-	-	-	-
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 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	-	-	-	-

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PC15. follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	15	5	-	10
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
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	-	-

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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.	-	-	-	-
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	-	-	-	-
PC20. search for suitable jobs and apply.	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	20	30	-	-

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SECTION 2

EVIDENCE OF LEVEL

OPTION B

Title/ Name of qualification/ component: Jute and Mesta Cultivator			Level: 3
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none">• Process of selecting the site, prepare the land and sow jute and mesta seeds• Process of maintaining the jute and mesta plants• Process of performing harvesting and post-harvest management of jute and mesta crops• Process of maintaining health and safety at the workplace• Process of undertaking basic entrepreneurial activities for small enterprise	A Jute and Mesta Cultivator is responsible for cultivating jute and mesta plants and extracting their fibre. In the process, the individual selects an appropriate site, prepares the field, procures the planting material and sows the jute and mesta seeds. The person maintains the jute and mesta plants, including nutrient, irrigation, weed, and pest and disease management. The person also harvests jute and mesta crops, extracts their fibre and markets it.	3
Professional knowledge	<ul style="list-style-type: none">• Know the appropriate agro-climatic conditions suitable for jute and mesta cultivation• Know the appropriate types of soil suitable for jute and mesta cultivation• Know how to use necessary tools, equipment and machineries required for jute and mesta cultivation• Understand the process of preparing the	The job holder is expected to have knowledge of appropriate agro-climatic conditions suitable for jute and mesta cultivation, preparing the field for jute and mesta cultivation, appropriate seed treatment methods, prepare the mixture of liquid fertilizers for application in the field, benefits and process of carrying out intercropping, harvesting jute and mesta crops and collecting them from the field for post-harvest management	3

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	<p>field for jute and mesta cultivation</p> <ul style="list-style-type: none">• Know the appropriate seed treatment methods• Understand the importance and process of carrying out thinning in jute and mesta fields• Know the nutrient requirements of jute and mesta crops• Know how to prepare the mixture of liquid fertilizers for application in the field• Know the benefits and process of carrying out intercropping• Know the symptoms of pest and disease infestation in jute and mesta plants• Know how to identify the need for trimming and pruning the jute and mesta plants• Understand the maturity indices of jute and mesta crops• Know the appropriate time and season for harvesting jute and mesta crops• Understand the process of harvesting jute and mesta crops and collecting them from the field for post-harvest management• Know how to calculate the benefit-cost (B:C) ratio• Know how to maintain manual and electronic records using the physical registers and the relevant computer		
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	application		
Professional skill	<ul style="list-style-type: none">• Select a site with the recommended agro-climatic conditions and land with the recommended topography• Check the soil type to ensure it is suitable for jute and mesta cultivation• Carry out ploughing, harrowing and planking in the field for the recommended number of times to break soil clods and achieve a fine tilth• Create drainage channels in the field to ensure effective water drainage• Install an appropriate irrigation system in the field• Carry out thinning after the recommended number of days following sowing• Select the appropriate organic and inorganic fertilizers for application in the field• Prepare organic fertilizers• Follow the recommended irrigation schedule for the grown jute and mesta varieties• Maintain the record of the use of	The job holder is expected to coordinate in selecting a site with the recommended agro-climatic conditions and land with the recommended topography, checking the soil type to ensure it is suitable for jute and mesta cultivation, carrying out thinning after the recommended number of days following sowing, selecting the appropriate organic and inorganic fertilizers for application in the field, preparing organic fertilizers	3

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	<p>pesticides</p> <ul style="list-style-type: none"> Carry out retting to facilitate the separation of the fibre from the stem, following the recommended retting method Follow the recommended measures to ensure minimum wastage during harvesting 		
Core Skills	<ul style="list-style-type: none"> Selecting an appropriate site, preparing the land and sowing jute and mesta seeds Maintaining the jute and mesta plants to ensure their optimum growth Trimming and pruning, irrigation, nutrient, pest and disease, and weed management Harvesting and performing post-harvest management of jute and mesta crops Maintaining the health and safety of self and co-workers at the workplace Undertaking basic entrepreneurial or business activities in the agriculture sector 	The job holder is expected to selecting an appropriate site, preparing the land and sowing jute and mesta seeds, maintaining the jute and mesta plants to ensure their optimum growth, trimming and pruning, irrigation, nutrient, pest and disease, and weed management, harvesting and performing post-harvest management of jute and mesta crops	3
Responsibility	<ul style="list-style-type: none"> The job holder is responsible to perform below mention activities: Select the site for jute and mesta cultivation Prepare the land for jute and mesta cultivation 	A Jute and Mesta Cultivator is responsible for cultivating jute and mesta plants and extracting their fibre. In the process, the individual selects an appropriate site, prepares the field, procures the planting material and sows the jute and mesta seeds. The person maintains the jute and mesta plants, including nutrient, irrigation, weed, and pest and disease management. The person also	3

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	<ul style="list-style-type: none">• Sow the jute and mesta seeds• Perform nutrient management of jute and mesta• Perform irrigation management of jute and mesta• Perform integrated pest and disease management of jute and mesta• Carry out pruning and trimming• Perform weed management of jute and mesta• Harvest the jute and mesta crops• Perform post-harvest management of jute and mesta crops• Market jute and mesta• Maintain personal hygiene• Maintain a clean and safe workplace• Administer appropriate emergency procedures• Plan the agricultural enterprise/ business• Manage the agricultural production process• Manage the post-production and marketing processes	harvests jute and mesta crops, extracts their fibre and markets it	
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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>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 is the world's largest producer of milk, pulses and jute, and ranks as the second largest producer of rice, wheat, sugarcane, groundnut, vegetables, fruit and cotton. It is also one of the leading producers of spices, fish, poultry, livestock and plantation crops. Worth \$ 2.1 trillion, India is the world's third largest economy after the US and China.</p> <p>The social aspects around agriculture have also been witnessing changing trends. The increased feminisation of agriculture is mainly due to increasing rural-urban migration by men, rise of women-headed households and growth in the production of cash crops which are labour intensive in nature.</p> <p>Agriculture is the largest sector for employment in India</p>
Industry Relevance	<p>Validations have been received from Asirbadh Hospitality Pvt. Ltd., Indian Agriculture Research Institute, Empower Pragati, Maharana Pratap Horticulture University, KVK Saharsa</p>
Usage of the qualification	<p>An NSQF aligned training to the persons involved in grooming of Jute and Mesta Cultivator 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 Jute and Mesta Cultivator 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>

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	<p>For employers, the Jute and Mesta Cultivator 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 Jute and Mesta Cultivator 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 alike.</p>			
	The Qualification Pack shall also be helpful in conducting Recognition of Prior Learning of the Jute and Mesta Cultivator			
Estimated uptake	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years
	Jute and Mesta Cultivator	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>			
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 Jute and Mesta Cultivator (NQR - 2019/AGR/ASCI/3242). The revision has been undertaken as the QP is going to expire soon.</p>			

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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>
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Please attach the 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

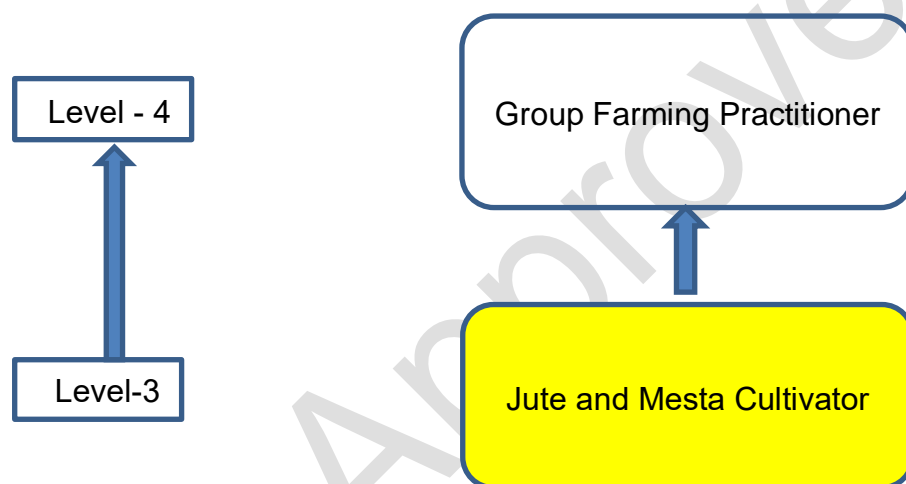
SECTION 4**EVIDENCE OF PROGRESSION****30**

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 Jute and Mesta Cultivator



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.