

NSQF QUALIFICATION FILE

Approved in the 25th NSQC Meeting – NCVET – 5th January 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-00092-2023-V1-ASCI

Name and contact details of individual dealing with the submission

Name: Ms. Priyanka Prakash

Position in the organisation: DGM – 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	Vriksh Sanrakshak
2	Qualification Code, if any	AGR/Q6107, v1.0
3	NCO code and occupation	NCO-2015/6210.9900
4	Nature and purpose of the qualification (Please specify whether qualification is shortterm or long term)	Nature of the qualification-a Qualification Pack(QP) The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones STT
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	Agro-Forestry Management
9	Job description of the occupation	A Vriksh Sanrakshak is responsible for planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones. This involves climbing trees and maneuvering in and around them. The person also maintains the health of trees, woody plants and shrubs, which involves pest and disease management and the application of fertilizers, soil health management and irrigation. The individual also uses and maintains various hand and power tools for carrying out relevant tasks.
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	390 Hours

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	the qualification	Theory: 180 Practical: 150 OJT (Mandatory): 60
14	Indicative list of training tools required to deliver this qualification	Chainsaw, Safety Boots, Rope, Helmet, Gloves, Loppers, Pulleys, Chipper, Ladder, Safety Glasses etc.
15	Entry requirements and/or recommendations and minimum age	12th grade pass OR Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma OR 10th grade pass plus 2-year NTC OR 10th grade pass plus 1-year NTC plus 1 year NAC OR 8th pass plus 2-year NTC plus 1-Year NAC plus CITS OR 10th grade pass and pursuing continuous schooling 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 experience OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 year of experience 18 Years
16	Progression from the qualification (Please show Professional and academic progression)	Arboriculture Supervisor (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

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			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.		05/01/2026		
20	Formal structure of the qualification Mandatory components				
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)			Level
		Theory	Practical	OJT	
	Introduction (Bridge Module)	5	0	60	4
(i)	AGR/N6135: Plan and plant trees, woody plants and shrubs	25	30		
(ii)	AGR/N6136: Perform pest, disease and nutrient management of trees, woody plants and shrubs	30	30		
(iii)	AGR/N6137: Carry out pruning, felling and other maintenance activities	30	30		
(iv)	AGR/N6138: Perform general maintenance of trees	25	35		
(v)	AGR/N9903: Maintain health And safety at the workplace	05	25		
	DGT/VSQ/N0102: Employability Skills (60 Hours)	60	-		
	Sub Total	180	150		
	Total	390			

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SECTION 1 **ASSESSMENT**

21	<p>Body/Bodies which will carry out assessment: 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? 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: Vriksh Sanrakshak

Qualification Pack: AGR/Q6107, v1.0

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/N6135: Plan and plant trees, woody plants and shrubs				
<i>Select the site and tree/woody plant/shrub species</i>	4	6	-	4
PC1. determine the soil and space requirements for planting new trees, plants and shrubs	-	-	-	-
PC2. select the appropriate tree, plant and shrub species that can grow in the selected climate zone and the soil conditions at the site	-	-	-	-
PC3. select the appropriate site to plant the selected tree, plant and shrub species	-	-	-	-
<i>Prepare the layout and arrange the resources</i>	6	8	-	6

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PC4. prepare a layout planning the placement of varieties of trees, plants and shrubs to ensure aesthetics and no obstructions and disruptions to utilities	-	-	-	-
PC5. identify appropriate spots at the recommended planting density for planting trees, plants and shrubs to ensure their optimum growth	-	-	-	-
PC6. arrange the selected species of trees, plants and shrubs in the required number for planting, ensuring they are free from pests and diseases	-	-	-	-
PC7. store the procured trees, plants and shrubs at the recommended temperature and humidity, ensuring hygienic conditions in the storage area	-	-	-	-
<i>Prepare the site for planting</i>	4	6	-	4
PC8. prepare the identified spots for planting by removing any debris and digging holes of the recommended dimensions	-	-	-	-
PC9. apply the recommended organic and inorganic fertilizers in the holes before planting	-	-	-	-
PC10. arrange for efficient drainage of water to prevent waterlogging at the planting spots	-	-	-	-
<i>Plant trees, woody plants and shrubs</i>	6	8	-	6
PC11. prepare seed balls for the relevant seed varieties to aid their handling and germination	-	-	-	-
PC12. propagate tree seedlings/ saplings following the appropriate propagation methods	-	-	-	-
PC13. plant the selected trees, woody plants and shrubs appropriately, maintaining the planned planting density	-	-	-	-
PC14. transplant the tree seedlings/ saplings taking the appropriate precautions to ensure their survival	-	-	-	-
PC15. follow the recommended safety measures while planting advanced-sized trees	-	-	-	-
PC16. assist in establishing tree	-	-	-	-

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plantations				
PC17. follow the appropriate measures to facilitate smooth planting and establishment of trees	-	-	-	-
PC18. apply the recommended organic or inorganic fertilizers to the trees, plants and shrubs immediately after planting and water them with the recommended quantity	-	-	-	-
PC19. arrange to protect the planted trees, plants and shrubs from extreme heat/ cold and stray animals	-	-	-	-
<i>Set up stakes, support and windbreaks</i>	10	12	-	10
PC20. install stakes to train the growth of trees, plants and shrubs, as required	-	-	-	-
PC21. set up appropriate support/aids to train plants into decorative shapes	-	-	-	-
PC22. plant appropriate types of trees as windbreaks to protect young and tender plants from strong winds	-	-	-	-
PC23. create pergolas around plants for improved support	-	-	-	-
PC24. install decorative tree guards	-	-	-	-
PC25. set up lacy ironwork trellis or wooden lattice for climbers	-	-	-	-
PC26. install appropriate support to provide support to heavy and large trees	-	-	-	-
NOS Total	30	40	-	30
AGR/N6136: Perform pest, disease and nutrient management of trees, woody plants and shrubs				
<i>Perform pest and disease management</i>	15	20	-	15
PC1. follow the recommended preventive and control measures and plant and tree pests and diseases and disorders	-	-	-	-
PC2. conduct a pre-work inspection to identify biotic hazards, such as bees and poisonous plants and take appropriate preventive measures	-	-	-	-
PC3. check the trees, plants and shrubs regularly to identify pest, insect and disease infestation	-	-	-	-
PC4. diagnose different types of tree diseases and disorders by studying the symptoms	-	-	-	-

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PC5. identify the signs of heat stress and frost damage in trees and take appropriate remedial measures	-	-	-	-
PC6. identify and adopt the latest and innovative plant protection technologies				
PC7. identify bark wounds and carry out appropriate treatment	-	-	-	-
PC8. identify and remove termite infestation from trees				
PC9. apply the recommended pesticides and insecticides to trees, plants and shrubs as per the prescription, using the relevant tools, equipment and Personal Protective Equipment (PPE)	-	-	-	-
PC10. follow the recommended practices to prevent adverse effects of pesticides in the surroundings	-	-	-	-
PC11. maintain the manual and/or electronic record concerning the use of pesticides in the physical registers and the relevant computer application	-	-	-	-
<i>Perform soil, nutrient and irrigation management</i>	15	20	-	15
PC12. check the pH levels in the soil using a pH meter and apply the recommended treatment in the prescribed quantity to adjust the pH level, if required	-	-	-	-
PC13. identify the signs of nutrient deficiency in plants and trees				
PC14. coordinate with an approved lab for the testing of soil	-	-	-	-
PC15. apply the suggested organic and inorganic fertilizers to the soil in the recommended quantity at appropriate intervals to maintain the required macro and micronutrient levels and ensure the healthy growth of trees, plants and shrubs	-	-	-	-
PC16. irrigate the trees, plants, and shrubs with the recommended quantity of water as per the irrigation schedule recommended for planted species				
NOS Total	30	40	-	30
AGR/N6137: Carry out pruning, felling and other maintenance activities				
<i>Carry out pruning and felling activities</i>	13	18	-	13

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PC1. identify the requirement of pruning trees, plants and shrubs through examination, and discussion with the client, as applicable	-	-	-	-
PC2. assist engineers, solicitors, and mortgage and insurance companies in carrying out relevant assessments regarding the trees and their root systems threatening the surroundings and buildings	-	-	-	-
PC3. identify the need to remove trees threatening the structural integrity of buildings, public access routes, and utilities such as power lines	-	-	-	-
PC4. calculate the cost of removing the identified trees				
PC5. carry out appropriate documentation regarding the assessment of possible dangers presented by trees	-	-	-	-
PC6. ensure the worksite is safe for carrying out work with no passers-by and distractions	-	-	-	-
PC7. set up necessary safety signs around the worksite and ensure the presence of a team member on the ground while carrying out arboriculture operations at heights	-	-	-	-
PC8. arrange the appropriate manual/power tools and equipment, such as secateurs, handsaw/chainsaw and hedge trimmers for tree pruning or surgery operations and prepare them for use	-	-	-	-
PC9. prune trees, plants and shrubs and remove the dead/ diseased/ declining ones using the relevant hand and power tools and equipment, such as pruning shears or chainsaw	-	-	-	-
PC10. identify the need to remove treetops or large branches from treetops and carry out tree topping using the appropriate tools and equipment	-	-	-	-
PC11. follow the rigging technique to slowly lower down branches that are too large and may cause property damage or harm to other trees or plants	-	-	-	-
PC12. follow the recommended safety practices while removing fallen, storm-damaged or unwanted trees	-	-	-	-

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PC13. remove stumps of the removed/ felled trees	-	-	-	-
PC14. carry out backfilling after uprooting any trees, plants, and shrubs	-	-	-	-
PC15. ensure to carry out pruning appropriately to encourage healthy growth of trees, plants and shrubs without causing any obstructions in their surroundings	-	-	-	-
PC16. identify and remove any weeds growing in the vicinity of the grown trees, plants and shrubs	-	-	-	-
<i>Carry out bracing, cabling, bolting and tree surgery</i>	3	5	-	3
PC17. carry out bracing by bolting metal rods to prevent two branches from splitting apart	-	-	-	-
PC18. carry out cabling by attaching a steel cable between two branches to restrict their movement	-	-	-	-
PC19. carry out bolting to support split trunks or branches, and maintain tree limbs apart that may rub against each other	-	-	-	-
PC20. install props of timber logs or metal stakes with padded supports under the fruiting tree branches to provide them temporary support during fruiting				
PC21. determine the need to carry out tree surgery, e.g. crown thinning, cavity treatment, crown lifting, pollarding, limb removal, dead wooding, etc.	-	-	-	-
PC22. perform tree surgery taking the appropriate precautions				
<i>Ensure safety in arboriculture operations</i>	11	13	-	11
PC23. arrange the relevant Personal Protective Equipment (PPE), such as tree climbing gear, hard hat, protective gloves, safety goggles, face shield, earplugs/earmuffs, etc.	-	-	-	-
PC24. check all the PPE to ensure it is in usable condition and coordinate with the supervisor to replace the faulty ones	-	-	-	-
PC25. check the work environment to identify potential hazards and take appropriate preventive measures within	-	-	-	-

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own limits of authority or coordinate with the supervisor				
PC26. use the relevant PPE while applying any harmful chemicals, such as pesticides	-	-	-	-
PC27. use earmuffs to ensure the protection of eardrums from exposure to loud noises generated by power tools	-	-	-	-
PC28. use safety goggles or a face shield to protect the eyes from debris and wood chips expelled during pruning	-	-	-	-
PC29. use safety gloves for better grip and to avoid rope burns and injuries from pieces of wood or thorns	-	-	-	-
PC30. use steel toe boots to get a firm grip on the ground and tree branches	-	-	-	-
PC31. ensure not to carry out arboriculture operations under the influence of medication or intoxicants	-	-	-	-
PC32. arrange the relevant accessories such as ropes, harnesses, ladders and PPE for climbing trees and check them to ensure they are safe for use	-	-	-	-
PC33. follow the recommended safe climbing techniques to avoid falling while climbing trees	-	-	-	-
PC34. climb up trees using ropes, harness, safety belt and ladder, ensuring the protection of others in the surroundings, such as co-workers and passers-by	-	-	-	-
PC35. use the manual and power tools and equipment, e.g. chainsaw, safely as per the manufacturer's instructions	-	-	-	-
<i>Carry out regular maintenance activities</i>	3	4	-	3
PC36. carry out groundwork using the chainsaw and chipper	-	-	-	-
PC37. carry out minor repair and maintenance of the relevant tools and equipment as per the manufacturers' instructions	-	-	-	-
PC38. coordinate with the supervisor or relevant expert to resolve any complex issues experienced with tools and equipment	-	-	-	-

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PC39. assist in the management of the turf surrounding trees, plants and shrubs	-	-	-	-
NOS Total	30	40	-	30
AGR/N6138: Perform general maintenance of trees				
<i>Perform tree cleaning</i>	5	6	-	5
PC1. identify and remove mosses from trees	-	-	-	-
PC2. perform cleaning of trees using water and the appropriate cleaning solutions	-	-	-	-
<i>Treat the physical damage on trees</i>	9	12	-	9
PC3. assess the physical damage on trees, such as engravings and treat them appropriately	-	-	-	-
PC4. determine the need for plastering tree branches and plaster them using the recommended treatment and aids	-	-	-	-
PC5. apply the recommended treatment to heal the tree parts with their bark removed	-	-	-	-
PC6. identify cracks on trees and apply the recommended treatment to treat them	-	-	-	-
<i>Treat tree poisoning and remove nails and tree guards</i>	11	16	-	11
PC7. identify the symptoms of poisoning in trees	-	-	-	-
PC8. treat tree poisoning, taking the appropriate tree protection measures	-	-	-	-
PC9. identify the need to remove tree nails and remove the nails using the appropriate tools and equipment, ensuring minimum damage to trees	-	-	-	-
PC10. identify the need to remove tree guards and remove them, protecting trees from damage	-	-	-	-
PC11. remove the outgrowth of sacred fig (peepal) tree from residential areas and re-transplant it in the appropriate places	-	-	-	-
PC12. provide the appropriate day-care for trees	-	-	-	-
<i>Move trees and create and place nests on trees</i>	5	6	-	5
PC13. assist in moving trees, ensuring to protect them during the process	-	-	-	-

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PC14. create nests and place them appropriately on trees	-	-	-	-
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	-	-	-	-

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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
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/N0102: Employability Skills (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	-	-	-	-

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<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	-	-
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	-	-	-	-

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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 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	-	-	-	-

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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	-	-

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SECTION 2

EVIDENCE OF LEVEL

OPTION B

Title/ Name of qualification/ component: Vriksh Sanrakshak		Level: 4	
NSQF Domain	Key requirement of Job role	How the Job Role relates to NSQF level	NSQF Domain
Process	<ul style="list-style-type: none">• Process of planning and planting trees, woody plants and shrubs. It includes site and species selection, preparing the layout, and carrying out planting and other activities.• Process of maintaining trees, woody plants, shrubs and their surroundings. It also covers resource optimization, waste management and practising inclusion at work.• Process of carrying out pruning, felling, bracing, cabling, bolting and tree surgery. It also covers safety in arboriculture operations and other regular maintenance activities.	A Vriksh Sanrakshak is also known as an arborist responsible for planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones. This involves climbing trees and manoeuvring in and around them. The person also maintains the health of trees, woody plants and shrubs, which involves pest and disease management and the application of fertilizers, soil health management and irrigation. The individual also uses and maintains various hand and power tools for carrying out relevant tasks.	4

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Professional knowledge	<ul style="list-style-type: none">• Understand the importance and process of assessing the soil and space requirements for planting new trees, woody plants and shrubs• Understand the process of identifying the appropriate spots at the recommended planting density for planting trees, woody plants and shrubs to ensure their optimum growth• Understand the importance of growing pest, disease and harsh weather tolerant plant and tree species• Understand the key consideration for choosing the right tree for the site to maximize its benefits• Know how plant characteristics are used in tree identification• Know how to create relevant drawings to scale• Understand the importance of installing windbreaks, different types of windbreak designs• Know how to balance soil composition and maintain correct moisture levels through watering and training• Understand the importance of ensuring efficient drainage around trees, plants and shrubs to prevent damages caused by waterlogging	The job holder is expected to have knowledge of planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones also climbing trees and manoeuvring in and around them.	4
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Professional skill	<ul style="list-style-type: none">• Select the appropriate tree, plant and shrub species that can grow in the selected climate zone and the soil conditions at the site• Prepare a layout planning the placement of varieties of trees, plants and shrubs to ensure aesthetics• Identify appropriate spots at the recommended planting density for planting trees, plants and shrubs to ensure their optimum growth• Apply the recommended organic and inorganic fertilizers in the holes before planting• Arrange for efficient drainage of water to prevent waterlogging at the planting spots• Follow the recommended safety measures while planting advanced-sized trees• Plant appropriate types of trees as windbreaks to protect young and tender plants from strong winds• Check the trees, plants and shrubs regularly to identify pest, insect and disease infestation• Apply the recommended pesticides and insecticides to trees, plants and shrubs as per the prescription, using the relevant tools, equipment and Personal Protective Equipment (PPE)• Maintain the manual and/or electronic record concerning the use of pesticides in the physical registers and the relevant computer application	<p>The job holder is responsible for planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones. This involves climbing trees and manoeuvring in and around them. The person also maintains the health of trees, woody plants and shrubs, which involves pest and disease management and the application of fertilizers, soil health management and irrigation.</p>	4
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	<ul style="list-style-type: none">• Check the pH levels in the soil using a pH meter and apply the recommended treatment in the prescribed quantity to adjust the pH level, if required• Coordinate with an approved lab for the testing of soil• Identify the requirement of pruning trees, plants and shrubs through examination, and discussion with the client• Identify the need to remove trees threatening the structural integrity of buildings, public access routes, and utilities such as power lines		
Core Skills	<ul style="list-style-type: none">• Prepare a layout planning the placement of varieties of trees, plants and shrubs to ensure aesthetics and no obstructions and disruptions to utilities.• Prepare the identified spots for planting by removing any debris and digging holes of the recommended dimensions• Apply the recommended organic or inorganic fertilizers to the trees, plants and shrubs immediately after planting and water them with the recommended quantity• Set up appropriate support/aids to train plants into decorative shapes• Create pergolas around plants for improved support• Maintain the manual and/or electronic record concerning the use of pesticides in the physical registers and the relevant computer	The job holder is expected to planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones. This involves climbing trees and manoeuvring in and around them. The individual also uses and maintains various hand and power tools for carrying out relevant tasks.	4

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	<p>application</p> <ul style="list-style-type: none"> • Irrigate the trees, plants, and shrubs with the recommended quantity of water as per the irrigation schedule recommended for planted species • Carry out appropriate documentation regarding the assessment of possible dangers presented by trees • Set up necessary safety signs around the worksite and ensure the presence of a team member on the ground while carrying out arboriculture operations at heights • Prune trees, plants and shrubs and remove the dead/ diseased/ declining ones using the relevant hand and power tools and equipment, such as pruning shears or chainsaw • Carry out backfilling after uprooting any trees, plants, and shrubs 		
Responsibility	<ul style="list-style-type: none"> • Responsible for selecting the site and tree/woody plant/shrub species • Responsible to prepare the layout and arrange the resources • Responsible for preparing the site for planting • Responsible for planting trees, woody plants and shrubs • Responsible for Setting up stakes, support and windbreaks • Responsible to perform pest and disease management • Responsible to perform soil, nutrient and 	<p>A Vriksh Sanrakshak also known as an arborist is responsible for planting, maintaining, and removing trees, woody plants and shrubs. The individual is required to prune trees, woody plants and shrubs and remove diseased or potentially dangerous ones. This involves climbing trees and manoeuvring in and around them. The person also maintains the health of trees, woody plants and shrubs, which involves pest and disease management and the application of fertilizers, soil health management and irrigation. The individual also uses and</p>	4

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	<p>irrigation management</p> <ul style="list-style-type: none">• Responsible to optimise resource utilisation• Responsible to perform waste management• Responsible to practice inclusion at work• Responsible for carrying out pruning and felling activities• Responsible for carrying out bracing, cabling, bolting and tree surgery• Responsible to ensure safety in arboriculture operations• Responsible for carrying out regular maintenance activities	<p>maintains various hand and power tools for carrying out relevant tasks.</p>	
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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>Arborists are needed to reduce the risk of accidents and prevent trees from falling. A lot of times when floods occur, or there is a heavy downpour, or even due to other reasons, trees tend to fall, due to decaying trunks, fungal infection or loose roots. Such things cannot be seen from the outside.</p> <p>The Public's safety in highway and street in relation to roadside trees is a major concern of local authorities and agencies. In fact, roadway safety is impossible without an excellent management and maintenance program to manage roadside trees. The landscape department, Arborist and expertise person at local authority is responsible for reviewing their roadside tree condition, identifying hazards and making condition safer.</p> <p>The local bodies have started an initiative to help assess old trees and protect them from falling by employing an Arborist / tree surgeon / Virksh Sanrakshak.</p> <p>Unfortunately, there aren't any colleges or university courses at the moment in India for arboriculture but there are dedicated organisations in other countries that provide credentials and training for Arborist.</p> <p>Below is the list of international organizations carrying out similar courses</p> <ul style="list-style-type: none">• Diploma of Arboriculture offered by the Australian Government through Vocational Education and Training (VET) service providers.• Arboriculture offered by Sir Sandford Fleming College, Canada• Arboriculture and Tree Management offered by Myerscough College Lancashire

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Industry Relevance	Total Industry Validations- 20 Validations have been received from ICAR (Indian Council of Agricultural Research), IARA (Indian Agriculture Research Institute), Horticulture Department, KVK (Krishi Vigyan Kendra) etc.
Usage of the qualification	<p>An NSQF aligned training to the persons involved in the grooming of trees 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 upcoming job, the job-role of Vriksh Sanrakshak may well be included in the vocational education stream of school education.</p> <p>An industry-determined specification of performance, sets out the skills, knowledge and attitudes required to operate effectively in employment.</p> <p>For employers, the Vriksh Sanrakshak Qualification standards offer:</p> <ul style="list-style-type: none">a means of assessing occupational competence objectively, including knowledge and understanding of the subjecta guide for job descriptions and recruitment requirementsa basis for staff appraisalsa systematic approach to analyzing training needsan opportunity to improve overall company performance by developing a better-trained, better-equipped and more effective workforce. <p>To employees and freelancers, the Vriksh Sanrakshak Qualification standards provide:</p> <ul style="list-style-type: none">a means for recognizing abilitya means for determining gaps in knowledge, experience and skillsan objective process for identifying training needsperformance 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>

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	The Qualification Pack shall also be helpful in conducting Recognition of Prior Learning of the Vriksh Sanrakshak			
Estimated uptake	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years
	Vriksh Sanrakshak	PAN INDIA (Top 3 States – Karnataka, Tamil Nadu, Maharashtra)		1000 Employees
27	Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences In-Process			
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 NQR has been checked and there is no similar Qualifications available			
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 years.			

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

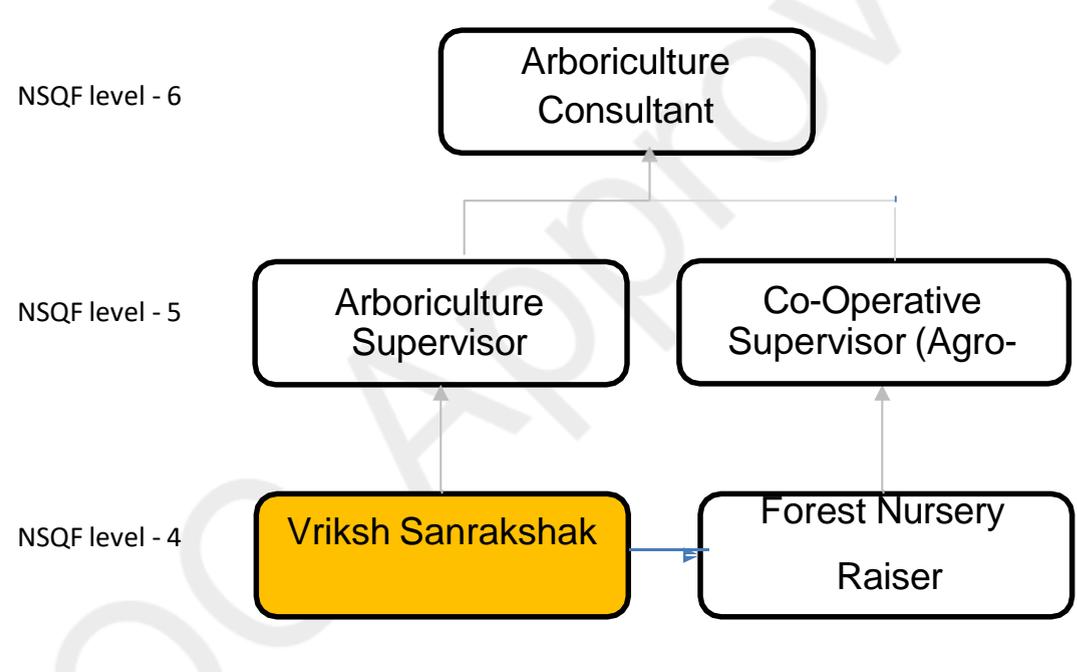
Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information

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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? Show the career map here to reflect the clear progression</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 Vriksh Sanrakshak</p>  <pre>graph BT; V[NSQF level - 4: Vriksh Sanrakshak] --> AS[NSQF level - 5: Arboriculture Supervisor]; V --> FN[NSQF level - 4: Forest Nursery Raiser]; AS --> AC[NSQF level - 6: Arboriculture Consultant]; FN --> CS[NSQF level - 5: Co-Operative Supervisor (Agro-)];</pre> <p>The diagram illustrates the career progression for Vriksh Sanrakshak. It is structured into three levels of NSQF (National Skill Qualification Framework):</p> <ul style="list-style-type: none">NSQF level - 6: Arboriculture Consultant (top level)NSQF level - 5: Arboriculture Supervisor and Co-Operative Supervisor (Agro-)NSQF level - 4: Vriksh Sanrakshak and Forest Nursery Raiser <p>Arrows indicate the progression path: Vriksh Sanrakshak leads to both Arboriculture Supervisor and Forest Nursery Raiser. Both of these lead to their respective supervisor roles at the next level, which then lead to the Arboriculture Consultant role at the highest level.</p>
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Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.