

## 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)  
6<sup>th</sup> floor, GNG Building, Plot No – 10, Sector- 44, Gurugram,  
Haryana – 122004

**Qualification Code**

**QG-05-AG-00356-2023-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	<b>Qualification Title</b>	Heritage Gardener
2	<b>Qualification Code, if any</b>	AGR/Q0810, v2.0
3	<b>NCO code and occupation</b>	NCO-2015/6113.9900, Landscaping, Gardening & Urban Farming
4	<b>Nature and purpose of the qualification (Please specify whether qualification is short term or long term)</b>	Nature of the qualification- a Qualification Pack (QP) The individual will be responsible for the conservation of heritage gardens and parks
5	<b>Body/bodies which will award the qualification</b>	Agriculture Skill Council of India (ASCI)
6	<b>Body which will accredit providers to offer courses leading to the qualification</b>	Agriculture Skill Council of India (ASCI)
7	<b>Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy)</b>	Yes (Annexure 3)
8	<b>Occupation(s) to which the qualification gives access</b>	Landscaping, Gardening & Urban Farming
9	<b>Job description of the occupation</b>	A Heritage Gardener is responsible for the conservation of heritage gardens and parks. The individual plans the development and conservation of heritage gardens and parks, makes appropriate arrangements for the purpose, propagates and transplants plants and trees, and maintains the heritage garden and park. The person also manages the heritage garden and park workers and visitors.
10	<b>Licensing requirements</b>	NA
11	<b>Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)</b>	NA
12	<b>Level of the qualification in the NSQF</b>	Level 5
13	<b>Anticipated volume of training/learning required to complete the qualification</b>	Total Duration: 510 Hours  Compulsory Modules: 390 Hours (Theory: 150 Hours, Practical: 150 Hours, ES: 90 Hours)  OJT: 120 Hours
14	<b>Indicative list of training tools</b>	Attached herewith

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<b>required to deliver this qualification</b>		
<b>15</b>	<b>Entry requirements and/or recommendations and minimum age</b>	Completed 2nd year of UG OR Pursuing 2nd year of UG and continuous education OR Completed 2nd year of diploma (after 12th) OR Pursuing 2nd year of 2-year diploma after 12th OR Completed 3-year diploma after 10th with 1-year relevant experience OR 12th grade pass with 2 years of relevant experience OR 10th grade pass with 4 years of relevant experience OR Previous relevant qualification of NSQF Level 4 and with minimum education as 8th grade pass with 3 years of relevant experience OR Previous relevant qualification of NSQF Level 4.5 with 1.5 years of relevant experience 21 years
<b>16</b>	<b>Progression from the qualification (Please show Professional and academic progression)</b>	Garden/ Nursery Manager (NSQF Level -6)
<b>17</b>	<b>Arrangements for the Recognition of Prior learning (RPL)</b>	RPL assessment will be as per normal ASCI assessment process. (ASCI recognizes that there may be candidates who have prior learning experience in the Agriculture Sector and are desirous of being certified. Such candidates can apply to ASCI for testing and certification of their skills. Training Partners will be responsible for identifying and counselling candidates for RPL through mobilization camps and advertisements. The details of the RPL process have been defined by ASCI under the document- Guidelines for Recognition of Prior Learning under PMKVY).
<b>18</b>	<b>International comparability where known (research</b>	Not done as yet

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evidence to be provided)				
19	Date of planned review of the qualification.	3 years post NSQC Approval		
20	Formal structure of the qualification Mandatory components			
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)		Leve I
		Theory	Practical	
(i)	Introduction (Bridge Module)	05	00	
(ii)	AGR/N0826: Identify and name plants using their botanical names	20	35	5
(iii)	AGR/N0827: Prepare for the conservation of heritage gardens and parks	30	30	5
(iv)	AGR/N0828: Propagate and transplant plants and trees	45	15	5
(v)	AGR/N0829: Maintain the heritage garden and park	30	30	5
(vi)	AGR/N0830: Manage the heritage garden and park workers and visitors	15	15	5
(vii)	AGR/N9903 Maintain health and safety at the workplace	05	25	4
(viii)	DGT/VSQ/N0103: Employability Skills (90 Hours)	90	00	5
	Total	240	150	
OJT:		120 Hours		

**SECTION 1**  
**ASSESSMENT**

21	<p><b>Body/Bodies which will carry out assessment:</b></p> <p>ASCI affiliated assessment bodies.</p> <ol style="list-style-type: none"><li>1. SHL India (Pvt.) Ltd</li><li>2. Trendsetters Skill Assessors Pvt Ltd</li><li>3. Mercer-Mettl</li><li>4. SP Institute of Workforce Development (SPIWD)</li><li>5. MSAG SI LLP</li></ol> <p>More Assessment Agencies are being empanelled to cover wider geographical area</p>
22	<p><b>How will RPL assessment be managed and who will carry it out?</b></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><b>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.</b></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"><li>a. An offline Tablet based test through the use of Multiple Choice Text and Picture based questions in vernacular languages</li><li>b. Actual demonstration on the field</li><li>c. Viva</li></ol> <p><b>ASCI's assessment strategy:</b></p> <ul style="list-style-type: none"><li>● Question sets are developed as per the weightage of each NOS of the Qualification Pack.</li><li>● Assessment criteria for each Qualification Pack developed, in which</li></ul>

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	<p>each Performance criteria (PC) assigned marks based on NOS</p> <ul style="list-style-type: none"><li>• Question Bank is developed to assess the theoretical and practical knowledge. To ensure the quality, each trainees get different set of question</li><li>• Empanelment of subject matter expert as assessor primarily from the Industry to assess trainee specifically on practical skills as per Industry demands</li></ul> <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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<b>Means of assessment 1</b>
<b>Pass/Fail</b>

NSQC Approved

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**Job Role:** Heritage Gardener

**Qualification Pack:** AGR/Q0810, v2.0

**Sector Skill Council:** Agriculture Skill Council of India

### **Assessment Guidelines:**

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

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>AGR/N0826: Identify and name plants using their botanical names</b>				
<i>Identify and name the plants</i>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
PC1. use the plants' characteristics, e.g. anatomy and morphology, for their identification	-	-	-	-
PC2. use the authentic sources of information to determine the botanical and common names of plants	-	-	-	-
PC3. use the binomial system to accurately define the terms used when identifying plants, e.g. family, genus, species, cultivar variety and hybrid	-	-	-	-



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PC4. identify non-indigenous, non-native, invasive and protected plant species and act accordingly	-	-	-	-
PC5. use the botanical names of plants in the correct format as per the applicable nomenclature	-	-	-	-
PC6. ensure the accuracy of relevant labels and records	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N0827: Prepare for the conservation of heritage gardens and parks</b>				
<i>Plan the development and conservation work</i>	<b>15</b>	<b>20</b>	<b>-</b>	<b>15</b>
PC1. assist in assessing the site for biophysical factors, historical and cultural attributes, and the relevant modifications required	-	-	-	-
PC2. determine the environmental implications of the planned conservation works	-	-	-	-
PC3. coordinate with the relevant personnel for research on the environmental implications as required	-	-	-	-
PC4. assist in the development of conservation, concept, and resource management plans considering the relevant heritage and cultural values and environmental requirements	-	-	-	-
PC5. assist in planning the softscape and hardscape maintenance of the selected heritage park or garden	-	-	-	-
PC6. coordinate with the relevant experts, e.g. landscape architects, for planning the development and conservation of heritage parks and gardens	-	-	-	-
PC7. assist in the development of the budget for the identified development and conservation work	-	-	-	-
<i>Arrange the required resources</i>	<b>15</b>	<b>20</b>	<b>-</b>	<b>15</b>
PC8. identify the appropriate types of plants as per the concept plan and the applicable historical and cultural values	-	-	-	-

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PC9. calculate the cost of the required quantity of plants	-	-	-	-
PC10. check the availability of the required plants with the relevant suppliers and procure the plants, ensuring their quality	-	-	-	-
PC11. arrange the required number of labourers and appropriate tools, equipment, machinery and Personal Protective Equipment (PPE) for heritage gardening	-	-	-	-
PC12. assess the relevant health and safety hazards and implement appropriate preventive measures	-	-	-	-
PC13. determine the timelines for the planting and/or maintenance activities	-	-	-	-
PC14. coordinate with the relevant authorities to obtain the necessary approvals for heritage gardening, as required	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N0828: Propagate and transplant plants and trees</b>				
<i>Propagate plants and trees</i>	<b>15</b>	<b>20</b>	<b>-</b>	<b>15</b>
PC1. propagate the appropriate plant and tree varieties following the recommended propagation methods	-	-	-	-
PC2. manage the nutrient requirements of seedlings/saplings using the appropriate organic/inorganic fertilizers	-	-	-	-
PC3. follow the appropriate measures during the nursery operations to ensure the propagation of pest and disease-free seedlings/ saplings for being transplanted into the garden	-	-	-	-
PC4. arrange to protect seedlings/saplings from adverse weather and animals	-	-	-	-
PC5. undertake polyhouse cultivation of the selected plants and trees, as required	-	-	-	-
<i>Transplant plants and trees</i>	<b>15</b>	<b>20</b>	<b>-</b>	<b>15</b>
PC6. create pits of the recommended specifications	-	-	-	-

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according to the type of plant and tree species to be transplanted				
PC7. transplant the propagated plants and trees in the heritage garden/ park	-	-	-	-
PC8. apply the recommended fertilizers and water the transplanted plants and trees with the recommended quantity following transplanting	-	-	-	-
PC9. install appropriate support such as stakes to train their growth	-	-	-	-
PC10. follow the appropriate measures to ensure the survival of transplanted plants and trees	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>
<b>AGR/N0829: Maintain the heritage garden and park</b>				
<i>Maintain the heritage garden and park</i>	<b>19</b>	<b>25</b>	<b>-</b>	<b>19</b>
PC1. identify the need to prune plants and trees and prune them appropriately using the relevant tools and implements	-	-	-	-
PC2. identify the growth of weeds in the garden/ park, and remove and dispose of them	-	-	-	-
PC3. identify unhealthy/scorched plants and trees, and replace them with healthy ones	-	-	-	-
PC4. prepare compost using green waste generated in the garden/park	-	-	-	-
PC5. apply mulch, compost, and other appropriate fertilizers to achieve a healthy growth of plants and trees	-	-	-	-
PC6. identify pest and disease infestation in the plants and trees at the heritage garden/ park	-	-	-	-
PC7. apply the appropriate treatment to remove the identified pests and diseases	-	-	-	-
PC8. maintain an appealing display of heritage garden/park plants, trees and features	-	-	-	-
PC9. maintain the lawn by mowing, edging and aerating it, as required	-	-	-	-

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PC10. check the condition of hard landscape features, statues, benches, fences, etc., regularly to identify their repair and maintenance needs	-	-	-	-
PC11. coordinate with the relevant experts for the repair and maintenance of hard landscape features, statues, benches, fences, etc.	-	-	-	-
PC12. install appropriate signage in the garden/park and labels for the plants and trees, ensuring their accuracy	-	-	-	-
PC13. maintain cleanliness and no obstructions in the heritage garden/ park passages	-	-	-	-
PC14. carry out regular repair and maintenance of the irrigation system	-	-	-	-
PC15. arrange and ensure appropriate storage of hazardous items, such as pesticides and sharp tools and implements	-	-	-	-
PC16. ensure appropriate security arrangements in the garden to prevent unauthorized access and vandalism	-	-	-	-
PC17. follow the recommended practices to promote sustainability and biodiversity in the heritage garden/ park and mitigate environmental risks	-	-	-	-
<i>Use and maintain the gardening tools and equipment</i>	<b>5</b>	<b>7</b>	-	<b>5</b>
PC18. use the relevant manual and mechanical tools and equipment and machinery, e.g. shovel, trowel, secateurs, lawnmower, hedge trimmer, etc.	-	-	-	-
PC19. carry out regular repair and maintenance of the gardening tools and equipment	-	-	-	-
PC20. coordinate with the manufacturer to resolve complex or manufacturing defect-related issues with the gardening tools and equipment	-	-	-	-

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<i>Ensure hygiene and biosecurity in the heritage garden and park</i>	<b>6</b>	<b>8</b>	-	<b>6</b>
PC21. ensure the procurement of gardening inputs, e.g. propagation material, fertilizers, and growing media, from certified suppliers to prevent the entry of pests and diseases into the heritage garden/park	-	-	-	-
PC22. communicate the applicable hygiene and biosecurity protocols to the garden workers, contractors, and visitors, and ensure compliance with them	-	-	-	-
PC23. follow the appropriate measures to prevent the entry of pests and contaminants into the garden through workers, visitors, vehicles, raw material, tools and equipment	-	-	-	-
PC24. remove waste materials from the heritage garden/park to maintain it in a presentable condition	-	-	-	-
PC25. follow the appropriate practices to promote health and safety, in compliance with the applicable regulations	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>
<b>AGR/N0830: Manage the heritage garden and park workers and visitors</b>				
<i>Manage the heritage garden/park workers</i>	<b>6</b>	<b>8</b>	-	<b>6</b>
PC1. allocate tasks to the garden workers according to their job profile and skills	-	-	-	-
PC2. monitor the work of garden workers to ensure the applicable quality standards are met in the heritage garden upkeep and maintenance activities	-	-	-	-
<i>Manage the heritage garden/park visitors</i>	<b>14</b>	<b>18</b>	-	<b>14</b>
PC3. ensure appropriate arrangements for heritage garden/park visitors, e.g. seating, relevant literature, refreshments, health and safety, etc.	-	-	-	-

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PC4. guide the visitors in heritage garden/ park tours, providing them with the relevant information	-	-	-	-
PC5. identify the scope of improvement through feedback from visitors and relevant stakeholders	-	-	-	-
PC6. implement the feedback to make appropriate improvements in the	-	-	-	-
PC7. maintain the manual and electronic record of heritage garden/park visitors	-	-	-	-
<i>Assist in event organizing and filming</i>	<b>10</b>	<b>14</b>	-	<b>10</b>
PC8. deal with enquiries from contractors, event organizers and others through telephone and meetings	-	-	-	-
PC9. assist with event organizing and filming at heritage garden/park, including planning and implementation	-	-	-	-
PC10. assist in making appropriate arrangements for events and filming	-	-	-	-
PC11. ensure effective supervision during events and filming to protect the heritage garden/park plants, trees, lawn, features, etc.	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>
<b>AGR/N9903: Maintain health and safety at the workplace</b>				
<i>Maintain personal hygiene</i>	<b>10</b>	<b>5</b>	-	<b>10</b>
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>	<b>15</b>	<b>15</b>	-	<b>15</b>

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PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. wear appropriate personal protective equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc. to avoid hazards	-	-	-	-
PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. dispose waste safely and correctly in the designated area	-	-	-	-
PC12. recognize risks to bystanders and take the required action to reduce the risks	-	-	-	-
PC13. work in a manner that minimises environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. report any accidents, incidents or problems without delay to an appropriate person and take	-	-	-	-
PC15. follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	<b>15</b>	<b>5</b>	-	<b>10</b>
PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of the	-	-	-	-

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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	-	-	-	-
<b>NOS Total</b>	<b>40</b>	<b>25</b>	<b>-</b>	<b>35</b>
<b>DGT/VSQ/N0103: Employability Skills – NOS (90 hours)</b>				
<i>Introduction to Employability Skills</i>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>
PC1. understand the significance of employability skills in meeting the current job market requirement and future of work.	-	-	-	-
PC2. identify and explore learning and employability relevant portals	-	-	-	-
PC3. research about the different industries, job market trends, latest skills required and the available opportunities.	-	-	-	-
<i>Constitutional values – Citizenship</i>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>
PC4. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC5. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>1</b>	<b>3</b>	<b>-</b>	<b>-</b>
PC6. recognize the significance of 21st Century Skills for employment	-	-	-	-



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PC7. practice the 21st Century Skills such as Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal and professional life	-	-	-	-
PC8. adopt a continuous learning mindset for personal and professional development	-	-	-	-
<i>Basic English Skills</i>	<b>3</b>	<b>4</b>	-	-
PC9. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC10. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC11. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development &amp; Goal Setting</i>	<b>1</b>	<b>2</b>	-	-
PC12. identify career goals based on the skills, interests, knowledge, and personal attributes	-	-	-	-
PC13. prepare a career development plan with short- and long-term goals.	-	-	-	-
<i>Communication Skills</i>	<b>2</b>	<b>2</b>	-	-
PC14. follow verbal and non-verbal communication etiquette while communicating in professional and public settings	-	-	-	-
PC15. use active listening techniques for effective communication	-	-	-	-
PC16. communicate in writing using appropriate style and format based on formal or informal requirements	-	-	-	-
PC17. work collaboratively with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>1</b>	-	-
PC18. communicate and behave appropriately with all genders and PwD	-	-	-	-

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PC19. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>2</b>	<b>3</b>	-	-
PC20. identify and select reliable institutions for various financial products and services such as bank account, debit and credit cards, loans, insurance etc.	-	-	-	-
PC21. carry out offline and online financial transactions, safely and securely, using various methods and check the entries in the passbook	-	-	-	-
PC22. identify common components of salary and compute income, expenses, taxes, investments etc.	-	-	-	-
PC23. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	<b>3</b>	<b>5</b>	-	-
PC24. operate digital devices and use their features and applications securely and safely	-	-	-	-
PC25. carry out basic internet operations by connecting to the internet safely and securely, using the mobile data or other available networks through Bluetooth, Wi-Fi, etc.	-	-	-	-
PC26. display responsible online behavior while using various social media platforms	-	-	-	-
PC27. create a personal email account, send and process received messages as per requirement	-	-	-	-
PC28. carry out basic procedures in documents, spreadsheets and presentations using respective and appropriate applications	-	-	-	-
PC29. utilize virtual collaboration tools to work effectively	-	-	-	-
<i>Entrepreneurship</i>	<b>2</b>	<b>3</b>	-	-
PC30. identify different types of Entrepreneurship and Enterprises and assess opportunities for	-	-	-	-

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

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### SECTION 2

#### EVIDENCE OF LEVEL

#### OPTION B

Title/ Name of qualification/ component: Heritage Gardener			Level: 5
NSQF Domain	NSQF Domain	NSQF Domain	NSQF Domain
Process	<ul style="list-style-type: none"><li>• Process of identifying and naming plants using their botanical names</li><li>• Process of preparing for the conservation of heritage gardens and parks</li><li>• Process of propagating and transplant plants and trees</li><li>• Process of maintaining the heritage garden and park</li><li>• Process of managing the heritage garden and park workers and visitors</li><li>• Process of maintaining health and safety at the workplace</li></ul>	A Heritage Gardener is responsible for the conservation of heritage gardens and parks. The individual plans the development and conservation of heritage gardens and parks, makes appropriate arrangements for the purpose, propagates and transplants plants and trees, and maintains the heritage garden and park. The person also manages the heritage garden and park workers and visitors.	5
Professional knowledge	<ul style="list-style-type: none"><li>• Know the plant characteristics and how they help in their identification</li><li>• Know the correct format for writing botanical names</li><li>• Know the various components of the garden, like hedges, shrubbery, pergolas, flower bed</li><li>• Know the significance and development of heritage gardens and parks</li><li>• Know the relevant softscape and hardscape components of a heritage garden</li></ul>	The job holder is expected to have knowledge of plant characteristics and how they help in their identification, components of the garden, like hedges, shrubbery, pergolas, flower bed, maintenance requirements and practices for different plant varieties before and after their establishment, process of procuring the selected plant and tree varieties, the appropriate tools, equipment, machinery and PPE required for heritage gardening, how to protect seedlings/ saplings from adverse weather and animals, the	5

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	<ul style="list-style-type: none"> <li>• Know the maintenance requirements and practices for different plant varieties before and after their establishment</li> <li>• Understand the importance and process of determining the environmental implications of conservation work</li> <li>• Understand the process of procuring the selected plant and tree varieties</li> <li>• Know the appropriate tools, equipment, machinery and PPE required for heritage gardening</li> <li>• Know how to protect seedlings/ saplings from adverse weather and animals</li> <li>• Understand the process of undertaking polyhouse cultivation of the relevant plants and trees</li> <li>• Know the appropriate aftercare to be provided to plants and trees following transplanting</li> <li>• Know the appropriate support to be installed to train the growth of plants and trees</li> </ul>	process of undertaking polyhouse cultivation of the relevant plants and trees	
Professional skill	<ul style="list-style-type: none"> <li>• Use the authentic sources of information to determine the botanical and common names of plants</li> <li>• Determine the environmental implications of the planned conservation works</li> <li>• Development of conservation, concept, and resource management plans</li> <li>• Coordinate with the relevant experts</li> <li>• Arrange the required number of labourers and appropriate tools, equipment, machinery</li> </ul>	The job holder is expected to use the authentic sources of information to determine the botanical and common names of plants, determine the environmental implications of the planned conservation works, development of conservation, concept, and resource management plans, coordinate with the relevant experts, arrange to protect seedlings/ saplings from adverse weather and animals, transplant the propagated plants and trees in the heritage garden/ park, apply the appropriate treatment to	5

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	<p>and Personal Protective Equipment (PPE) for heritage gardening</p> <ul style="list-style-type: none"> <li>• Determine the timelines for the planting and/or maintenance activities</li> <li>• Propagate the appropriate plant and tree varieties following the recommended propagation methods</li> <li>• Arrange to protect seedlings/ saplings from adverse weather and animals</li> <li>• Transplant the propagated plants and trees in the heritage garden/ park</li> <li>• Apply the appropriate treatment to remove the identified pests and diseases</li> <li>• Coordinate with the relevant experts for the repair and maintenance of hard landscape features, statues, benches, fences</li> <li>• Carry out regular repair and maintenance of the irrigation system</li> <li>• Communicate the applicable hygiene and biosecurity protocols to the garden workers</li> </ul>	remove the identified pests and diseases	
Core Skills	<ul style="list-style-type: none"> <li>• Identification and naming of plants using their botanical names</li> <li>• Preparing for the conservation of heritage gardens and parks</li> <li>• Propagating and transplanting plants and trees in heritage gardens and parks</li> <li>• Maintaining the heritage garden and park</li> <li>• Maintenance of tools and equipment and ensuring hygiene and biosecurity</li> <li>• Managing the heritage garden and park workers and visitors</li> </ul>	The job holder is expected to identification and naming of plants using their botanical names, preparing for the conservation of heritage gardens and parks, propagating and transplanting plants and trees in heritage gardens and parks, maintaining the heritage garden and park, maintenance of tools and equipment and ensuring hygiene and biosecurity, managing the heritage garden and park workers and visitors, assisting with event organizing and filming, maintaining the health and safety of self and co-workers at the workplace	5

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	<ul style="list-style-type: none"><li>• Assisting with event organizing and filming</li><li>• Maintaining the health and safety of self and co-workers at the workplace</li></ul>		
Responsibility	<p>The job holder will responsible for below-mentioned activities:</p> <ul style="list-style-type: none"><li>• Identify and name the plants</li><li>• Plan the development and conservation work</li><li>• Arrange the required resources</li><li>• Propagate plants and trees</li><li>• Transplant plants and trees</li><li>• Maintain the heritage garden and park</li><li>• Use and maintain the gardening tools and equipment</li><li>• Ensure hygiene and biosecurity in the heritage garden and park</li><li>• Manage the heritage garden/park workers</li><li>• Manage the heritage garden/park visitors</li><li>• Assist in event organizing and filming</li><li>• Maintain personal hygiene</li><li>• Maintain a clean and safe workplace</li><li>• Administer appropriate emergency procedures</li></ul>	<p>A Heritage Gardener is responsible for the conservation of heritage gardens and parks. The individual plans the development and conservation of heritage gardens and parks, makes appropriate arrangements for the purpose, propagates and transplants plants and trees, and maintains the heritage garden and park. The person also manages the heritage garden and park workers and visitors.</p>	5



**SECTION 3****EVIDENCE OF NEED**

<b>26</b>	<b>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?</b>
<b>Basis</b>	
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 &amp; senior leaders gave final approval and endorsement for the same. Besides this agriculture industry employs a large number of people in the organized and the unorganized sector. Increased investments in agriculture infrastructure such as irrigation facilities, warehousing, cold storage, is expected to generate better momentum in the agriculture sector. The growing use of genetically modified crops will likely improve the yield for Indian farmers. There is a wide variation in agricultural growth across different states in India. There is an increasing role of the corporate sector in agriculture through infusion of new technologies and accessing of new markets.</p> <p>Urban agriculture can reflect economic and social development. And urban farmers and gardeners generally work for producing food. Also, Urban agriculture preserves green space in cities, providing places for neighbours to indulge, build community cohesion and strengthen bonds.</p> <p>Urban agriculture gives students an opportunity to try things out at home and more so, put their class lessons into practice. Through urban gardening, they easily connect their lessons to real-world gardening and how it is done, thereby increasing their stock of knowledge about cultivating plants.</p> <p>Urban gardening can make a city's economic base expand by creating economic activities through the production, packaging, and selling opportunities for food, vegetable, herbs, and fruit products. As a result, jobs are created, the cost of food goes down, and people consume more quality foods. A healthy community also translates to vibrant and hardworking people who can work towards building the economy. At the same time, considerably big urban gardens may require the services of gardening experts thus creating new jobs. Agriculture is the largest sector for employment in India</p>
Industry Relevance	Validations have been received from Paradigm Commodity Advisors Pvt Ltd, Shriram Bioseed Genetics, Integrated Facilitation Services, College of Agriculture, UAHS Shivamogga,



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	Sumitomo Chemical India Limited			
Usage of the qualification	<p>An NSQF-aligned training to the persons involved in grooming of <b>Heritage Gardener</b> 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 Heritage Gardener 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 <b>Heritage Gardener</b> Qualification standards offer:</p> <ul style="list-style-type: none"><li>• a means of assessing occupational competence objectively, including knowledge and understanding of the subject</li><li>• a guide for job descriptions and recruitment requirements</li><li>• a basis for staff appraisals</li><li>• a systematic approach to analyzing training needs</li><li>• an opportunity to improve overall company performance by developing a better-trained, better-equipped and more effective workforce.</li></ul> <p>To employees and freelancers, the <b>Heritage Gardener</b> Qualification standards provide:</p> <ul style="list-style-type: none"><li>• a means for recognizing ability</li><li>• a means for determining gaps in knowledge, experience and skills</li><li>• an objective process for identifying training needs</li><li>• performance indicators and a guide to effectiveness and efficiency.</li></ul> <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 Heritage Gardener			
Estimated uptake	QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years

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	Heritage Gardener	PAN INDIA	Various Districts	3000
27	<b>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences</b> In-Process			
28	<b>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</b> This is the revised version of the already NSQC-approved QP of Heritage Gardener (NQR - 2019/AGR/ASCI/3251). The revision has been undertaken as the QP is going to expire soon.			
29	<b>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</b> 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

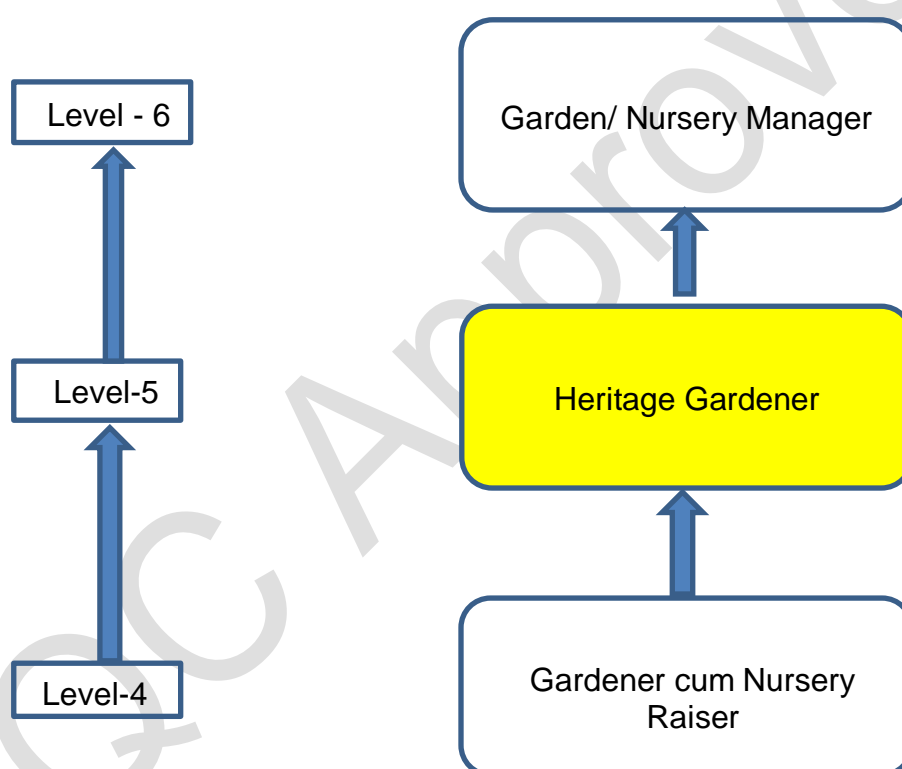
**SECTION 4****EVIDENCE OF PROGRESSION****30**

**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 Heritage Gardener**



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.