



QUALIFICATION FILE

Vermicompost Producer

☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☒ Apprenticeship

☒ Upskilling ☐ Dual/Flexi Qualification ☒ For ToT ☒ For ToA

☒ General ☐ Multi-skill (MS) ☐ Cross Sectoral (CS) ☐ Future Skills ☐ OEM

NCrF/NSQF Level: 3

Submitted By:

Agriculture Skill Council of India

Unit No. 101, First Floor, Greenwoods Plaza, Block 'B', Greenwoods City, Sector 45, Gurugram -122009, Haryana.

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Section 1: Basic Details

1.	Qualification Name	Vermicompost Producer																	
2.	Sector/s	Agriculture																	
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing qualification: QG-04-AG-00419-2023-V1.1-ASCI & Version 1.1		Qualification Name of existing/previous version: Vermicompost Producer															
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA																	
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-03-AG-03548-2025-V2-ASCI & Version 2.0	6. NCrf/NSQF Level: 3																
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate																	
8.	Brief Description of the Qualification	The individual is expected to be competent in producing good quality vermicompost using correct species of earthworms, materials, vermicomposting techniques in appropriate site/location. The individual also undertakes basic entrepreneurial activities for small enterprise and sell the produced compost as per the competitive market prices																	
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10th or equivalent</td> <td></td> </tr> <tr> <td>2</td> <td>8th Class Pass</td> <td>3 years of relevant experience in agriculture and allied sectors</td> </tr> <tr> <td>3</td> <td>Previous NSQF Level 2.5</td> <td>1.5 years of relevant experience in agriculture and allied sectors</td> </tr> <tr> <td>4</td> <td>Previous NSQF Level 2.0</td> <td>3 years of relevant experience in agriculture and allied sectors</td> </tr> </tbody> </table> b. Age: 17			S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	10th or equivalent		2	8th Class Pass	3 years of relevant experience in agriculture and allied sectors	3	Previous NSQF Level 2.5	1.5 years of relevant experience in agriculture and allied sectors	4	Previous NSQF Level 2.0	3 years of relevant experience in agriculture and allied sectors
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4	Previous NSQF Level 2.0	3 years of relevant experience in agriculture and allied sectors																	
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrf))	9	11. Common Cost Norm Category (I/II/III) (wherever applicable): II																

12.	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	NA																						
13.	Training Duration by Modes of Training Delivery <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i>	☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>150</td> <td>120</td> <td></td> <td></td> <td>270</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	150	120			270	Online					
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Online																								
14.	Aligned to NCO/ISCO Code/s <i>(if no code is available mention the same)</i>	NCO-2015/ 6111.9900																						
15.	Progression path after attaining the qualification <i>(Please show Professional and Academic progression)</i>	Vermicompost Producer (L3), Organic Grower (L4)																						
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi																						
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																						
18.	Is the Job Role Amenable to Persons with Disability	☒ Yes ☐ No If "Yes", specify applicable type of Disability: SHI																						
19.	How Participation of Women will be Encouraged	Batches specific to women will be formed																						
20.	Are Greening/ Environment Sustainability Aspects Covered <i>(Specify the NOS/Module which covers it)</i>	☒ Yes ☐ No DGT/VSQ/N0102 (v1.0)																						
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☒ Yes ☐ No Colleges ☒ Yes ☐ No																						
22.	Name and Contact Details of Submitting / Awarding Body SPOC <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: Ms Purnambica.K Email: standards@asci-india.com Website: www.asci-india.com Contact No.: 0124-4670029																						
23.	Final Approval Date by NSQC: 18-02-2025	24. Validity Duration: 3 years post NSQC Approval			25. Next Review Date: 18-02-2028																			

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job **Man.**-Mandatory Training **Rec.**-Recommended **Proj.**-Project

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1	Identify appropriate site and prepare bed for vermicomposting	AGR/N1212 (V3.0)	Core	3	1	15	15			30	30	40		30	100	20
2	Inoculate earthworms in prepared unit and manage the vermicomposting process	AGR/N1213 (V3.0)	Core	3	2	20	40			60	30	35		35	100	20
3	Identify maturity of vermicompost and harvest using approved procedures	AGR/N1214 (V3.0)	Core	3	2	20	40			60	30	35		35	100	20
4	Undertake basic entrepreneurial activities for small enterprise	AGR/N9908 (V3.0)	Non-Core	4	1	20	10			30	30	40		30	100	25
5	Maintain health and safety at the workplace	AGR/N9903 (V4.0)	Non-Core	4	1	15	15			30	40	25		35	100	10
6	Employability Skills (60 Hours)	DGT/VSQ/N 0102 (V1.0)	Non-Core	3	2	60				60	20	30		0	50	5
Duration (in Hours) / Total Marks					9	150	120			270	180	205		165	550	100

Assessment - Minimum Qualifying Percentage

Please specify **any one** of the following:

Minimum Pass Percentage – Aggregate at qualification level: 50 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: ____ % (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	12th Class (Science) with 6 years of relevant industry experience in Vermicomposting/Organic Farming* * Ex-Service-Man including Ex- Paramilitary personnel: Minimum Qualification is 10+2 with an Honourable Discharge/Pension. SSC would consider a relaxation/waiver of sector specific experience on case to case basis. OR Diploma (Agriculture/ Horticulture) with 3 years of relevant industry experience in Vermicomposting/ Organic Farming OR Graduate (any stream except Agriculture/Horticulture/Botany/Forestry) with 4 years of relevant industry experience in Vermicomposting/Organic Farming** ** For the school Program minimum qualification of the Trainer should be Graduate (Agriculture/Horticulture/ Botany/Forestry) with minimum 3 years Teaching experience (will be considered industry experience) OR Graduate (Agriculture/Horticulture/Botany/Forestry) with 1 year of relevant industry experience in Vermicomposting/Organic Farming OR Post Graduate (Agriculture/Horticulture /Botany/Forestry/Soil science/Entomology/Agronomy)
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	5 years of training experience in Vermicomposting/Organic Farming after Graduation (any stream except Agriculture/Horticulture/Botany/Forestry) with 4 years of relevant industry experience in Vermicomposting/Organic Farming OR 5 years of training experience in Vermicomposting/Organic Farming after Graduation (Agriculture /Horticulture/Botany/Forestry) with 1 year of relevant industry experience in Vermicomposting/Organic Farming OR 5 years of training experience in Vermicomposting/Organic Farming after Post Graduation (Agriculture/Horticulture /Botany/Forestry/Soil science/Entomology/Agronomy)

3.	Tools and Equipment Required for Training	☒ Yes ☐ No (If “Yes”, details to be provided in Annexure)
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Graduate (Agriculture / Horticulture / Botany / Forestry/Soil Science) with 5 years of relevant industry experience in Organic Crop Production/ Agronomy/Horticulture/Plant Protection/Soil health Management OR Post- Graduate (Agriculture / Horticulture / Botany/Forestry/Soil science/ Entomology/Agronomy) with 2 years of relevant industry experience in Organic Crop Production/ Agronomy/Horticulture/Plant Protection/Soil health Management OR PhD (Agriculture / Horticulture / Botany/Forestry/ Soil science/ Entomology/Agronomy) with 1 year of relevant industry experience in Organic Crop Production/ Agronomy/Horticulture/Plant Protection/Soil health Management
2.	Proctor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma/Graduate (It is mandatory for a proctor to have technical knowledge/IT knowledge Once a proctor has been on-boarded by any AA, they are oriented about skill ecosystem along with do’s and don’ts .)
3.	Lead Assessor’s/Proctor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Post- Graduate (Agriculture / Horticulture / Botany/Forestry/ Soil science/ Entomology/Agronomy) with 10 years of relevant industry experience in Organic Crop Production/ Agronomy/Horticulture/Plant Protection/Soil health Management
4.	Assessment Mode (Specify the assessment mode)	Offline
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☒ Yes ☐ No (details to be provided in Annexure-if it is different for Assessment)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): No
3.	Government /Industry initiatives/ requirement (Yes/No): Government Initiative
4.	Number of Industry validation provided: 20
5.	Estimated nos. of persons to be trained and employed: 5000

6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: awaited concurrence from MoA&FW
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Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors (Mandatory)	Annexure-1
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Annexure-2
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Annexure-5
4.	Annexure: Assessment Strategy (Mandatory)	Annexure-6
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is "Blended Learning")	NA
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	NA
7.	Annexure: Acronym and Glossary (Optional)	
8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Annexure-7
9.	Supporting Document: Career Progression (Mandatory - Public view)	Vermicompost Producer (L3), Organic Grower (L4)
10.	Supporting Document: Occupational Map (Mandatory)	Annexure-8
11.	Supporting Document: Assessment SOP (Mandatory)	Annexure-9
12.	Any other document you wish to submit:	

Annexure 1: Evidence of Level

NCrf/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrf/NSQF level descriptor	NCrf/NSQF Level
Professional Theoretical Knowledge/Process	<u>Situation of Clear choice</u> - Identify reliable source for procuring earthworm species for vermicomposting Follow approved vermicomposting practices while selecting earthworm species - Select the correct types of earthworm to	Vermicompost producer works in familiar, predictable, routine, situations. Some situations are given as examples in the adjacent cell. Hence NSQF Level is 3.	3

	carry out composting Types: <i>Eisenia fetida</i> and <i>Eudrilus eugeniae</i> (exotic), <i>Perionyx excavates</i> and <i>Lampito mauritii</i> (indigenous) • Check that the selected earthworms are uniformly released over the decomposed materials as per required quality standards • Protect the vermicomposting unit against adverse weather conditions, such as rains, winds, heat, etc. • Verify that the cattle dung is properly dried in sunlight or allowed to cool for specified length of time prior to using • Prepare the feed separately in the work environment for transferring earthworms post harvesting • Remove the upper layer of the stable and mature compost before harvesting the earthworms as per approved procedures		
Professional and Technical Skills/ Expertise/ Professional Knowledge	<u>Factual knowledge of field of knowledge or study</u> • Establish the favorable thriving conditions prior to releasing earthworms into the bed Conditions: Appropriate food (correct C/N ratio), moisture level (60-70%), temperature (between 20-30 degree Celsius), light (avoid strong light), ph (not below 6) and protection • Verify that the organic wastes have undergone required state of decomposition prior to introducing the earthworms	Vermicompost producer is required to have Factual knowledge of field of knowledge or study pertaining to production, storing packing and quality management of vermicompost. Some situations are given as examples in the adjacent cell. Hence NSQF Level is 3.	3

	Example: 15-20 days (as per type of vermicomposting method) • Ensure that the vermibed is properly covered with appropriate materials such as wire mesh, gunny bag, etc. To prevent birds from picking the earthworms • Comply with relevant agricultural practices to protect earthworms from some animals and insects such as red mites, ants, flatworm, centipedes, rats, etc. • Treat vermibed with insecticide in appropriate amount at the time of filling to prevent attacks by predators • Ensure that the collected vermicompost is stored in a shady dry place in line with approved procedures • Ensure that the vermiculture collected is segregated into cocoons, juveniles, adults, etc. As per work requirements Work requirements: Example— recycle use of cocoons, juveniles and extras in next composting; adults used as feed for fish and farm animals; sell adults in the market; etc. • Confirm that the collected raw materials are in correct ratio as per given vermicomposting requirements •		
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	<u>Recall and demonstrate practical skill, routine and repetitive</u> • Feed the worms with partially decomposed organic wastes (prepared in correct ratio) to continue composting cycle relevant to the type of method	Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool. Some situations are given as examples in the adjacent cell. Hence NSQF Level is 3.	3

	selected • Comply with occupational health and safety requirements relevant to work • Assess possible risks and hazards in the work environment and exercise safety precautions to minimize injury to self and others • Comply with relevant safety practices while handling sharp tools and equipment • Identify reliable source for procuring earthworm species for vermicomposting • Follow approved vermicomposting practices while selecting earthworm species • Select the correct types of earthworm to carry out composting • Types: Eisenia fetida and Eudrilus eugeniae (exotic), Perionyx excavates and Lampito mauritii (indigenous)		
Broad Learning Outcomes/Core Skill	<u>Communicate written or oral, with required clarity</u> • Collect information related to various subsidies/funds offered by the government, authorized state units and other financial institutions involved with the promotion of the produce • Track information related to wholesale and retail price of the produce • Communicate effectively with co-workers, subordinates, customers, exporters, etc. • Seek clarification and understanding	Language to communicate written or oral, with desired clarity, skill to basic arithmetic and algebraic principles, basic understanding of social political and natural environment. Some situations are given as examples in the adjacent cell. Hence NSQF Level is 3.	3

	where instructions are not clear in any language understood locally - Follow instructions from responsible authority completely in order to avoid miscommunication or conflicts at work <u>Skill to basic arithmetic and algebraic principles</u> - Cost of earthworms and how to determine quantitative requirements - Record daily sell and purchase of items in designated log books, register, etc. - Record quantity, quality, date of manufacture and batch number of every produce accurately - Perform basic accounting such calculating expenditure incurred, costing and pricing of produce <u>Basic understanding of social political and natural environment</u> Establish favorable environmental conditions during the vermicomposting process against diseases such as 'sour crop' - Leave the work area in a safe condition and in accordance with environmental health & safety - Relevant legislation, standards, policies, and procedures in work areas		
Responsibility	The vermicompost producer is responsible for the following on their own and they work independently. Identify appropriate site and	Responsibility for own work and learning. Some situations are given as examples in the adjacent cell.	3

	prepare bed for vermicomposting • Inoculate earthworms in prepared unit and manage vermicomposting process • Identify maturity of vermicompost and harvest using approved procedures • Undertake basic entrepreneurial activities for small enterprise • Maintain health & safety at the workplace	Hence NSQF Level is 3.	
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Annexure 2: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Cow Dung	Kgs	50
2	Earthworm of correct species	Grams	250
3	Shovel	Nos	1
4	Crow bar	Nos	1
5	dung fork	Nos	1
6	Spade	Nos	1
7	Wire mesh sieves	Nos	1
8	bamboo baskets	Nos	5
9	trowel	Nos	2
10	buckets	Nos	5
11	Culture trays (Plastic)	Nos	1
12	Iron baskets	Nos	1
13	Weighing machine (Platform type)	Nos	1
14	Wheel Barrows	Nos	1
15	Water source- Any	Nos	1
16	Video Recording Equipment	Nos	1
17	Rubber gloves	Nos	30

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Whiteboard
2. Markers

Annexure 3: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	KVK Amravati	Dr. K P Singh	Senior Scientist and Head	Durgapur, Amaravati	9637717818	pckvkda2015@gmail.com	
2	RRTTS(OUAT)	Dr Srimant Kumar Sahoo	Jr. Agronomist	Semiliguda	9437960870	srim.ouat@gmail.com	
3	Asirbadh Agro Food Services pvt Ltd	Saurabh Singh	Director	Rourkela, Odisha	78588019001	asirbadhagro@gmail.com	
4	Ch. Shivrath Singh Shandhya Agri College, Machhra, Meerut	Dr. Surjeet Kr Arun	Director	Meerut	9412519340	Surjeetarun@gmail.com	
5	MS PRAKRITI AGRO PRODUCTS	Lila Kanta Bhattarai	Proprietor	Tinsukia	7577990058	bhattaraililakant@gmail.com	
6	KVK Madhopur	Dr. harsha B R	SMS	Madhopur	9611358904	harsha@rpcu.ac.in	
7	KVK Mayurbhanj	Dr Sanghamitra Pattnaik	Senior Scientist and Head	Shyamakhunta, Odisha	943714934		
8	KVK Kendrapara	Dr Aurobind Das	Senior Scientist and Head	Kendrapara, Odisha	8895417939	kvk.kendrapara@gmail.com	
9	TRCSC	Manas Das	Secretary	Jamshedpur, JH	9939377268	trcsc_jsr@yahoo.com	
10	KVK Chomu	Tej Pratap Singh	SMS	KVK Chomu (Tankarda)		kvkchomu@gmail.com	
11	KVK, Hingoli	Dr.P.P.Shelke	Senior Scientist and Head	Hingoli	9765390976	kvkhingoli@gmail.com	
12	KVK, Utukur	Dr. A. Veeraiah	Programme Head	Kadapa	9989623826	kvk.utukur@angrau.ac.in	
13	KVK Lunglei	Dr. Henry Sapalrinliana	Senior Scientist and Head	Hnahthial	9436190701	henrysapa@yahoo.com	
14	KVK Budgam	Shazia Ramzan	SMS	Budgam		shaziaramzan@gmail.com	
15	KVK, Udayagiri	Dr. Sanjib Kumar Mandi	SMS	R.Udayagiri	9679309801	kvgajapati.ouat@gmail.com	
16	KVK Betul	Dr. Megha Dubey	Scientist	Betul MP	9425669765	meghadubey33@yahoo.com	

17	KVK, Kalyandurg	Dr. E. Chandrayudu	Programme Coordinator	Kalyandurg	7702544492	kvk.kalyandurg@angrau.ac.in	
18	KVK, Elumichangiri	Dr. T. Sundarraj	Senior Scientist and Head	Krishnagiri	9443888644	drperumlkvk@gmail.com	
19	KVK, Perambalur	Vasanthakumar.R	SMS	Perambalur	8220851314	vassanthkumar@gmail.com	
20	KVK, Thoubal	Dr. S. Zeshmani	Senior Scientist and Head	Thoubal	8415902143	kvkthoubal@gmail.com	

Annexure 4: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	1500					
2026-27	1500					
2026-27	2000					

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
3.0	2024-25	3479	2876	2849	0	1982	1092	1091	0	0	0	0	0
3.0	2023-24	1938	1787	1763	1505	1096	997	995	855	0	0	0	0
3.0	2022-23	3174	3115	3110	0	1194	1189	1189	0	1	1	1	0

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

1. PMKVY
2. ASDM PLSD
3. BSDM
4. BSDM RPL
5. Rastriya Krishi Vikas Yojana (RKVY)
6. Kaushal Vikas Mission Yojana
7. Tripura- Rurban Avanga

Content availability for previous versions of qualifications:

☒ Participant Handbook ☒ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

Languages in which Content is available: Hindi and English

Annexure 5: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	ProjectMarks	Viva Marks
AGR/N1212: Identify appropriate site and prepare bed for vermicomposting	<i>Work safely</i>	5	5	-	5
	PC1. comply with occupational health and safety requirements relevant to work	-	-	-	-
	PC2. assess possible risks and hazards in the work environment and exercise safety precautions to minimize injury to self and others	-	-	-	-
	PC3. comply with relevant safety practices while handling sharp tools and equipment	-	-	-	-
	PC4. ensure that the selected tools are in good working condition	-	-	-	-
	<i>Identify appropriate site for preparing vermicompost</i>	5	10	-	5
	PC5. select suitable location based on factors such as accessibility to road; availability of bio-wastes; good ventilation; etc.	-	-	-	-
	PC6. ensure that the selected site is located close to dairy farms or places with high population of cattle to procure cow dung and farm wastes	-	-	-	-
	PC7. verify that water resource is available in the vicinity of the vermicomposting area	-	-	-	-
	PC8. ensure the availability of farm labour in the selected location	-	-	-	-
	PC9. select appropriate vermicomposting method based on various factors	-	-	-	-
	<i>Construct vermicompost unit</i>	5	10	-	5
	PC 10. Identify various vermicomposting beds like plastic beds, HDPE vermi beds, permanent structures etc.,	-	-	-	-
	PC11. obtain appropriate tools, accessories and construction raw materials as per the selected vermicomposting method	-	-	-	-
	PC12. identify shady area in the selected site to construct the vermicompost unit as per the approved procedures	-	-	-	-
	PC13. provide correct, safe and accurate instructions to workers for any construction work and follow the same where contributing to construction	-	-	-	-

<i>Prepare bed for vermicomposting</i>	10	10	-	10
PC14. select the appropriate kind of raw materials to make vermibed as per resource availability and feasibility, viz. straws, waste paper, saw dusts, corrugated cardboard, dry leaves, corn stalks, etc.	-	-	-	-
PC15. ensure that the bottom of the vermicomposting unit is covered with appropriate materials such as layer of tiles, broken bricks, coarse loamy soil, coconut husk or polythene sheet, etc.	-	-	-	-
PC16. prepare vermibed of appropriate height/level using suitable raw materials as per approved vermicomposting practices	-	-	-	-
PC17. select appropriate type of organic wastes (free from non-biodegradable materials) required to be used for making vermicomposting heap as per standard requirements	-	-	-	-
PC18. identify reliable source(s) to ensure continuous supply of food material/organic waste required as feeds for vermes/earthworm	-	-	-	-
PC19. verify that organic wastes are shredded into small pieces prior to mixing in accordance with good vermicomposting practices	-	-	-	-
PC20. ensure that the mixture is transferred into the vermicomposting unit following approved procedures or as alternating layers of shredded organic wastes and cow dung slurry in correct proportion	-	-	-	-
PC21. ensure that the layer or height of the heap is maintained as per standard quality requirements	-	-	-	-
<i>Post vermibed preparation activities</i>	5	5	-	5
PC22. check that the top layer of the vermicomposting unit is properly covered with soil, cow dung, leaves, straws or other crop wastes as per good vermicomposting practices	-	-	-	-
PC23. ensure that the mixture or heap is allowed to decompose in the vermibed for required length of days depending on the vermicomposting method selected	-	-	-	-
PC24. check that appropriate moisture level is maintained during the process in line with standard procedure requirements	-	-	-	-
PC25. maintain vermicomposting beds or bins, ensuring proper aeration and drainage				
PC26. optimize usage of material including water in various tasks/activities/processes	-	-	-	-
PC27. segregate waste into different categories	-	-	-	-
PC28. dispose non-recyclable waste appropriately	-	-	-	-

	PC29. deposit recyclable and reusable material at identified location	-	-	-	-
	PC30. leave the work area in a safe condition in line with environmental health and safety	-	-	-	-
	NOS Total	30	40	-	30
AGR/N1213: Inoculate earthworms in prepared unit and manage the vermicomposting process	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	<i>Prepare to inoculate earthworms</i>	10	5	-	10
	PC1. identify reliable source for procuring earthworm species for vermicomposting considering approved vermicomposting practices while selecting earthworm species	-	-	-	-
	PC2. select the correct types of earthworm to carry out composting types: eisenia fetida and eudrilus eugeniae (exotic), perionyx excavates and lampito mauritii (indigenous)	-	-	-	-
	PC3. ensure that the quantity of earthworms selected is appropriate and proportionate to the size of the vermibed	-	-	-	-
	PC4. establish the favorable thriving conditions prior to releasing earthworms into the bed	-	-	-	-
	PC5. verify that the organic wastes have undergone required state of decomposition prior to introducing the earthworms	-	-	-	-
	<i>Inoculate earthworms into vermicomposting unit</i>	5	10	-	10
	PC6. check that the selected earthworms are uniformly released over the decomposed materials as per required quality standards	-	-	-	-
	PC7. ensure that the moisture level is maintained as per standard vermicomposting practices	-	-	-	-
	PC8. verify that the decomposed matter is loosened enough to allow air to pass through	-	-	-	-
	PC9. ensure that the heap is properly covered with appropriate material such as leaves, barks, bamboos, dried crop wastes, etc.	-	-	-	-
	PC10. protect the vermicomposting unit against adverse weather conditions, such as rains, winds, heat, etc.	-	-	-	-
	PC11. ensure that the earthworms are allowed to feed on the decomposed materials for required period of time as per the standard vermicomposting procedure	-	-	-	-
	<i>Prepare feed and manage vermicomposting unit</i>	5	10	-	10

PC12. collect required organic wastes and cow dung to make heap for vermicomposting in accordance with good vermicomposting practices	-	-	-	-
PC13. confirm that the collected raw materials are in correct ratio as per given vermicomposting requirements	-	-	-	-
PC14. verify that the cattle dung is properly dried in sunlight or allowed to cool for specified length of time prior to using it	-	-	-	-
PC15. monitor and adjust feedstock quantity and quality to maintain worm health and productivity				
PC16. prepare the feed separately for transferring earthworms post harvesting	-	-	-	-
PC17. ensure that the heap is allowed to decompose for required period of time	-	-	-	-
PC18. sprinkle water over the heap in every 2-3 days to ensure that the temperature does not increase above the required level	-	-	-	-
PC19. drain the excess water from the unit through appropriately constructed channels	-	-	-	-
PC20. collect the nutrients rich excess water/vermiwash in containers for further utilization	-	-	-	-
PC21. use approved procedures to aerate the decomposed material with respect to the type of vermicomposting selected	-	-	-	-
PC 22. manage temperature, humidity, and pH levels to create an optimal environment for earthworms				
<i>Control predator attacks</i>	10	10	-	5
PC23. ensure that the vermibed is properly covered with appropriate materials such as wire mesh, gunny bag, etc. to prevent birds from picking the earthworms	-	-	-	-
PC24. comply with relevant agricultural practices to protect earthworms from some animals and insects such as red mites, ants, flatworm, centipedes, rats, etc	-	-	-	-
PC25. treat vermibed with insecticide in appropriate amount at the time of filling to prevent attacks by predators	-	-	-	-
PC26. establish favorable environmental conditions during the vermicomposting process against diseases such as 'sour crop'	-	-	-	-
PC27. leave the work area in a safe condition and in accordance with the environmental health and safety	-	-	-	-
NOS Total	30	35	-	35

AGR/N1214: Identify maturity of vermicompost and harvest using approved procedures	Assessment Criteria for Outcomes	TheoryMarks	Practical Marks	ProjectMarks	Viva Marks
	<i>Prepare to carry out harvesting procedures</i>	5	5	-	5
	PC1. use appropriate personal protectiveequipment suitable to the type of work	-	-	-	-
	PC2. obtain tools and materials needed in carryingout harvesting procedures	-	-	-	-
	PC3. ensure that the tools and accessoriesslected are undamaged and safe to use	-	-	-	-
	PC4. follow the health and safety guidelinesrelevant to the work	-	-	-	-
	PC5. identify the appropriate harvesting stage ofcompost on the basis of different quality parameters	-	-	-	-
	PC6. ensure that organic matter is adequately decomposed and the vermicompost is free from contaminants				
	PC7. regularly test the nutrient profile of the vermicompost to ensure high quality				
	<i>Harvest mature vermicompost</i>	5	10	-	10
	PC8. collect the top layer manually following approved procedures and in accordance with thevermicomposting method used such as tub method, container method, etc.	-	-	-	-
	PC9. ensure that harvesting of the worm castingsare limited to layer above the earthworm's presence	-	-	-	-
	PC10. ensure that the collected vermicompost is stored in a shady dry place in line with approvedprocedures	-	-	-	-
	PC11. feed the worms with partially decomposed organic wastes (prepared in correct ratio) to continue composting cycle relevant to the type ofmethod selected	-	-	-	-
	<i>Harvest earthworms</i>	10	10	-	10
	PC12. remove the upper layer of the stable andmature compost before harvesting the earthworms as per approved procedures	-	-	-	-
	PC13. carry out harvesting of earthworms usingtechnique appropriate to the type of vermicomposting method adopted	-	-	-	-
	PC14. ensure that the vermiculture collected is segregated into cocoons, juveniles, adults, etc. asper work requirements	-	-	-	-

	PC15. manage worm populations for sustainability, including breeding and expanding production capacity				
	<i>Post-harvest procedures</i>	10	10	-	10
	PC16. ensure that approved post-harvesting procedures are followed	-	-	-	-
	PC17. recycle the process by refilling the bed with partially prepared organic wastes in required quantity and ratio as per the type of vermicomposting method selected	-	-	-	-
	PC18. ensure that the compost collected is sun dried and sieved to obtain good quality material	-	-	-	-
	PC19. pack the compost in bags or containers made of suitable materials	-	-	-	-
	PC20. store the bags or containers in cool and dry place	-	-	-	-
	PC21. ensure pest control practices are followed during storing	-	-	-	-
	PC22. leave the work place in an environmentally safe condition	-	-	-	-
	NOS Total	30	35	-	35
AGR/N9908: Undertake basic entrepreneurial activities for small enterprise	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	<i>Plan the agricultural enterprise/ business</i>	10	14	-	10
	PC1. analyse the demand and supply of the relevant agricultural produce in the market	-	-	-	-
	PC2. identify the target customers and assess their needs and expectations with respect to the quality and price of the produce	-	-	-	-
	PC3. identify various types of agricultural entrepreneurship/ business opportunities	-	-	-	-
	PC4. plan agricultural production with the use of relevant and efficient technologies for availing funds	-	-	-	-
	PC5. identify appropriate and authentic advisory services/Government authority for skill upgradation to successfully plan and implement business activities	-	-	-	-
	PC6. prepare a basic business plan for the agricultural entrepreneurship/business activities	-	-	-	-

PC7. identify appropriate sources of funding for the agricultural entrepreneurship/ business	-	-	-	-
PC8. coordinate with the relevant government authorities to subscribe to the relevant government schemes and programs to benefit from them	-	-	-	-
PC9. ensure compliance with the government structural reforms and framework along with the applicable rules and regulations while setting up the agricultural enterprise/ business	-	-	-	-
<i>Manage the agricultural production process</i>	8	10	-	8
PC10. select and arrange the necessary resources for the business operations	-	-	-	-
PC11. ensure the use of relevant and efficient production technologies as per planning and availability of funds	-	-	-	-
PC12. follow the recommended practices for efficient input resource management	-	-	-	-
PC13. optimise the production processes and output through the amalgamation of existing practices with smart technologies	-	-	-	-
PC14. follow the recommended sustainability practices during agricultural production to prevent adverse impacts on the environment and produce viz. deforestation, loss of biodiversity, soil degradation, etc.	-	-	-	-
<i>Manage the post-production and marketing processes</i>	12	16	-	12
PC15. ensure the availability of proper storage infrastructures and facilities post-production of the produce as per the industry quality standards	-	-	-	-
PC16. collect information related to the wholesale and retail price of produce	-	-	-	-
PC17. calculate the costs incurred and determine the price of the produce for profitability	-	-	-	-
PC18. ensure that the cost of production, transportation, and marketing are considered while calculating the cost and setting the price for the produce	-	-	-	-
PC19. collect information related to various subsidies/funds offered by the government, authorised state units and other financial institutions involved with the promotion of the produce	-	-	-	-
PC20. select appropriate marketing channels for the produce, considering the relevant requirements and constraints	-	-	-	-
PC21. identify various risks to production and post-production processes and manage them appropriately	-	-	-	-

	PC22. undertake outreach programs to promote agricultural products and services, and expand agri-business	-	-	-	-
	PC23. prepare and execute a marketing plan considering the 4Ps i.e. product, price, promotion, and place and 4As i.e. acceptability, affordability, accessibility, and awareness	-	-	-	-
	PC24. use the relevant digital services such as e-commerce, e-payments, electronic record-keeping, etc.	-	-	-	-
	PC25. use efficient post-production logistics means to improve the supply quantity, reduce the cost to the consumer, and increase demand consequently	-	-	-	-
	PC26. ensure all the relevant information such as quality and quantity of produce, date of manufacture, batch number, and sale is recorded electronically and/ or manually	-	-	-	-
	PC27. coordinate with the various stakeholders for efficient and sustainable agri-business growth and development	-	-	-	-
	NOS Total	30	40	-	30
AGR/N9903: Maintain health and safety at the workplace	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	<i>Maintain personal hygiene</i>	10	5	-	10
	PC1. wash hands, legs and face with soap/alcohol-based sanitizer at reasonable intervals	-	-	-	-
	PC2. wash the worn clothes with soap and sun-dry before use next time	-	-	-	-
	PC3. ensure the face is covered with mask or three layers of cloth-piece	-	-	-	-
	PC4. follow the workplace sanitization norms including distancing from sick people	-	-	-	-
	<i>Maintain clean and safe workplace</i>	15	15	-	15
	PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
	PC6. wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
	PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards	-	-	-	-
	PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
	PC9. sanitize equipment, tools and machinery before and after use				

		-	-	-	-
	PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
	PC11. dispose waste safely and correctly in the designated area	-	-	-	-
	PC12. recognize risks to bystanders and take required action to reduce the risks	-	-	-	-
	PC13. work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
	PC14. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger	-	-	-	-
	<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 emergency, as per the workplace requirements	-	-	-	-
	PC17. use emergency equipment in accordance with manufacturer's specifications and workplace requirements	-	-	-	-
	PC18. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
	PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
	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	-	-	-	-
	<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, Behaviour 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	-	-	-	-
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 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	-	-	-	-
	PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
	NOS Total	20	30	-	-

Annexure 6: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Assessment System Overview

In Agriculture Sector it is of ultimate importance that individuals dealing with crop production or livestock have the requisite knowledge and competencies to undertake the task. Based on the Assessment Criteria, SSC in association with empanelled AAs, define the test structure for the given job roles to cover the required skills and competencies. Assessment strategy consists of the following:

1. Multiple Choice Questions : To assess basic knowledge (Objective/Subjective)
2. Viva : To assess awareness on processes (Oral and/or written questioning)
3. Practical : To evaluate skills and identify competencies.(Observation)

Assessments for knowledge and awareness on processes may be conducted through 'real time' internet based evaluation or by conducting the same 'offline' through TABs. Skills and competencies are to be assessed by conducting 'practical' on ground through qualified and ToA certified assessors.

While it is important that an individual has adequate knowledge and skills to perform a specific task, weight age for different aspects for assessment are given as follows:

Multiple Choice Questions: 20%-30%, depending on the specific QP

Viva: 20%

Practical: 50% - 60% (Involves demonstrations of applications and presentations of procedures/tasks and other components)

Assessment will be carried out by certified assessors through empanelled assessment partners. Based on the results of assessment; ASCI will certify the learners/candidates

2. Testing Environment

Assessments are conducted on laptops, Mobiles and android tablets via both offline and online mode depending on the internet connectivity at assessment location.

In remote locations/villages, assessments get delivered through tablets without the requirement of Internet.

- Multilingual assessments (ASCI is conducting assessments in 13 + languages pan India)
- Rubric driven assessments in Practical/Viva sections and responses recorded accordingly
- All responses, data, records and feedback stored digitally on cloud
- Advanced auto-proctoring features – photographs, time-stamp, geographic-tagging, toggle-screen/copy-paste disabled, etc.
- Android based monitoring system
- End to end process from allocation of a batch to final result upload, there is no manual intervention
- Assessment will normally be fixed for a day after the end date of training / within 7 days of completion of training.
- Assessment will be conducted at the training venue
- Room where assessment is conducted will be set with proper seating arrangements with enough space to curb copying or other unethical activities
- Question bank of theory and practical will be prepared by ASCI /assessment agency and approved ASCI. Only from approved Question Bank assessment agency will prepare the question paper. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on his theoretical knowledge of the subject.
- The theory, practical and viva assessments will be carried out on same day. In case of more number of candidates, number of assessors and venue facilitation be increased and facilitated

Assessment			
Assessment Type	Formative or Summative	Strategies	Examples
Theory	Summative	MCQ/Written exam	Knowledge of facts related to the job role and functions. Understanding of principles and concepts related to the job role and functions
Practical	Summative	Structured tasks/Demonstration	Practical application /Demonstration /Application tasks
Viva	Summative	Questioning and Probing	Mock interviews on usability of job roles/advantages /importance of adherence to procedures. Viva will be used to gauge trainee's confidence and correct knowledge in handling job situation

The question paper pre-loaded in the computer /Tablet and it will be in the language as requested by the training partner.

3. Assessment Quality Assurance framework

Assessment Framework and Design:

Based on the Assessment Criteria, SSC in association with AAs will define the test structure for the given roles to cover the required skills and competencies. ASCI offer a bouquet of tools for multi- dimensional evaluation of candidates covering language, cognitive skills, behavioral traits and domain knowledge.

Theoretical Knowledge - Item constructs and types are determined by theoretical understanding of the testing objectives and published research about the item-types and constructs that have shown statistical validity towards measuring the construct. Test item types which have been reported to be coachable are not included. Based on these, items are developed by domain experts. They are provided with comprehensive guidelines of testing objectives of each question and other quality measures.

Type – Questions based on Knowledge Required, Case-based practical scenario questions and automated simulation based questions.

Practical Skills - The practical assessments are developed taking into consideration two aspects: what practical tasks is the candidate expected to perform on the job and what aspects of the job cannot be judged through theoretical assessments. The candidates shall be asked to perform either an entire task or a set of subtasks depending on the nature of the job role

Type – Standardized rubrics for evaluation against set of tasks in a demo/practical task

Viva Voce - Those practical tasks which cannot be performed due to time or resource constraints are evaluated through the viva mode. Practical tasks are backed up with Viva for thorough assessment and complete evaluation

Type – Procedural questions, do's and don'ts, subjective questions to check understanding of practical tasks.

Assessor has to go through orientation program organized by Assessment Agency. The training would give an overview to the assessors on the overall framework of QP evaluation. Assessor shall be given a NOS and PC level overview of each QP as applicable. Overall structure of assessment and objectivity of the marking scheme will be explained to them. The giving of marks will be driven by an objective framework which will maintain standardization of marking scheme.

4. Type of Evidence and Evidence Gathering Protocol:

During the assessment the evidences collected by AAs and ASCI are:

- Geo Tagging to track ongoing assessment
- AA's coordinator emails the list of documents and evidences (photos and videos) to the assessor one day prior to the assessment. List is mentioned below:
 - Signed Attendance sheet
 - Assessor feedback sheet
 - Candidate feedback sheet
 - Assessment checklist for assessor

- Candidate Aadhar/ID card verification
- Pictures of classroom, labs to check the availability of adequate equipment's and tool to conduct the training and assessment
- Pictures and videos of Assessment, training feedback and infrastructure.
- Apart from the Assessor, Technical assistant popularly known as Proctor also ensures the proper documentation and they verify each other's tasks.
- To validate their work on the day of assessment, regular calls and video calls are done.
- On-boarding and training of assessor and proctor is done on timely basis to ensure that quality of the assessment should be maintained.
- Training covers the understanding of QP, NSQF level, NOS and assessment structure

5. *Methods of Validation*

- Morning Check (Pre-Assessment): Backend team of AA calls and confirms assessor/technical spoc event status. Assessor/Technical spoc are instructed to reach the centre on time by 9:30 AM / as decided with TC and delay should be highlighted to the Training Partner in advance.
- Video Calls: Random video calls are made to the technical spoc/assessor so as to keep check on assessment quality and ensure assessment is carried out in fair and transparent manner
- Aadhar verification of candidates
- Evening Check (Post Assessment): Calls are made to the ground team to ensure event is over by what time and the documentation is done in proper manner or not.
- TP Calling: To keep check on malpractice activity, independent audit team calls to TP on recorded line to take confirmation if there was any malpractice activity observed in assessment on part of AA/SSC team. If calls are not connected, email is send to TP Spoc for taking their confirmation
- Video and Picture Evidence: Backend team collects video and pictures for assessment on real time basis and highlights any issue like, Students sitting idle/trainer allowed for helping out candidates during assessment.
- Surprise Visit: Time to time SSC/AA Audit team can visit the assessment location and do surprise audit for assessment process carried out by ground team.
- Geo Tagging: On day of assessment, each technical spoc is required to login in our internal app which is Geo tagged. Any deviation with centre address needs to be highlighted to assessment team on real-time basis.

Method for assessment documentation, archiving, and Access:

- ASCI has fully automated result generation process in association with multiple AAs
- Theory, Practical and Viva marks forms the basis of the results and encrypted files generated to avoid data manipulation. All responses captured and stored in System with Time-Stamped at the end of AAs and SSC. NOS-wise and PC-wise scores can be generated.
- Maker Checker concept: 1 person prepares results and other audit result which is internally approved by AA at first and then gets vetted at the end of SSC
- All soft copy of documents is received from the on-ground tech team over mail. The same are downloaded by our internal backend team and saved in Repository. The repository consists of scheme wise folders. These scheme wise folders have job role specific folders. These specific folders have Year wise and Month wise folders where all documents are saved in Batch specific folders. All Hard copies are filed and stored in storeroom.
- **Result Review & Recheck Mechanism –**
- Time stamped assessment logs
- Answer/Endorsement sheets for each candidate

- Attendance Sheet
- Feedback Forms: Assessor feedback form, Candidate feedback form, TP feedback form
- The results for each of the candidate shall be stored and available for review (retained for 5 years/ till conclusion of project or scheme)

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf