







Model Curriculum

QP Name: Irrigation Service Technician

QP Code: AGR/Q1104

Version: 3.0

NSQF Level: 4

Model Curriculum Version: 2.0







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Training Parameters

Sector	Agriculture
Sub-Sector	Agriculture Crop Production
Occupation	Farm Machinery, Equipment Operation and maintenance
Country	India
NSQF Level	4
Aligned to NCO/ISCO/ISIC Code	NCO-2015/NIL
Minimum Educational Qualification and Experience	Min. Educational Qualification: 10th Class with 2 years of relevant experience OR 10th grade pass and pursuing continuous schooling OR 8th Class with 3 years of relevant experience OR Previous relevant Qualification of NSQF Level 3 with minimum education as 5th grade pass with 2 Years of relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	17/11/2022
Next Review Date	27/05/2024
NSQC Approval Date	27/05/2021
QP Version	3.0
Model Curriculum Creation Date	27/05/2021
Model Curriculum Valid Up to Date	27/05/2024
Model Curriculum Version	2.0
Minimum Duration of the Course	390 Hours
Maximum Duration of the Course	390 Hours







Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills to:

- Demonstrate the process of installation, repair and maintenance of a tubewell irrigation system.
- Demonstrate the process of installation, repair and maintenance of a submersible pump.
- Demonstrate the process of carrying out re-winding of an electric motor.
- Explain the importance of practising inclusion and gender equality at the workplace.
- Demonstrate various practices to maintain personal hygiene, cleanliness and safety at the workplace.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	5:00	0:00	0:00	0:00	5:00
Module 1: Introduction and Orientation to the Role of a Irrigation Service Technician	5:00	0:00	0:00	0:00	5:00
AGR/N1113-carry out installation, repair and maintenance of the tubewell irrigation system NOS Version-2.0 NSQF Level-4	20:00	65:00	0:00	0:00	85:00
Module 2: Installation, repair and maintenance of the tubewell irrigation system	20:00	65:00	0:00	0:00	85:00
AGR/N1114 carry out installation, repair and maintenance of submersible pump NOS Version- 2.0 NSQF Level- 4	30:00	60:00	0:00	0:00	90:00







Total Duration	150:00	180:00	0:00	0:00	330:00
Module 7: Employability Skills	60:00	00:00	0:00	0:00	60:00
DGT/VSQ/N0102 Employability Skills NOS Version-1.0 NSQF Level-4	60:00	00:00	0:00	0:00	60:00
Module 6: Safety and emergency procedures	12:00	12:00	0:00	0:00	24 :00
Module 5: Hygiene and cleanliness	3:00	3:00	0:00	0:00	6:00
AGR/N9903 Maintain health and safety at the workplace NOS Version- 3.0 NSQF Level- 4	15:00	15:00	0:00	0:00	16:00
Module 4: Re-winding of an electric motor	20:00	40:00	0:00	0:00	60:00
AGR/N1142 carry out re- winding of an electric motor NOS Version- 2.0 NSQF Level- 4	20:00	40:00	0:00	0:00	60:00
Module 3: Installation, repair and maintenance of a submersible pump	30:00	60:00	0:00	0:00	90:00

OJT (Recommended): 60 hours







Module Details

Module 1: Introduction and Orientation to the role of an Irrigation Service Technician Bridge Module

Terminal Outcomes:

- Describe the scope of the agriculture industry and its sub-sectors.
- State the role and responsibilities of an Irrigation Service Technician.
- List the career options available to an Irrigation Service Technician.

Duration: 05:00	Duration: 0:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Describe the size and scope of the Agriculture industry and its sub-sectors. 	
• State the role and responsibilities of an Irrigation Service Technician.	
• Explain the importance of an Irrigation Service Technician in farm operations.	
 Identify various employment opportunities for an Irrigation Service Technician in the Agriculture industry. 	
Classroom Aids	
Training kit - Trainer guide, Presentations, Whitek	ooard, Marker, projector, laptop
Tools, Equipment and Other Requirements	
NA	







Module 2: Installation, repair and maintenance of the tubewell irrigation system

Mapped to AGR/N1113 v2.0

- Describe the process of preparing for the installation of a tubewell.
- Demonstrate the process of installing a tubewell and carrying out its repair and maintenance.
- Demonstrate the process of carrying out maintenance of a diesel engine.

Duration: 20:00	Duration: 65:00				
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes				
 Describe different methods of irrigation. Identify the parameters to assess before planning a tubewell irrigation system at a site. List different types of pipes, pipe fittings, tools and equipment used in in the installation of a tubewell. Describe the process of installing and testing a tubewell irrigation system. Explain the common repair and maintenance needs of a tubewell irrigation system and diesel engine. 	 Assess a site on various parameters for its suitability for the installation of a tubewell irrigation system. Demonstrate the process of preparing the pipes and fittings to be used in the tubewell irrigation system. Demonstrate the process of installing the tubewell irrigation system. Evaluate the performance of the tubewell after the installation is complete. Show how to identify the repair and maintenance needs of the tubewell irrigation system. Demonstrate the process of carrying out repair and maintenance of the tubewell irrigation system using the relevant tools and equipment. Demonstrate the process of carrying out repair and maintenance of a diesel engine. 				
Classroom Aids					

Classroom Aids

Training kit (Trainer guide, Presentations). Whiteboard, Marker, projector, laptop

Tools, Equipment and Other Requirements

Ccentrifugal pump, service tools, foot valve, pipes, bends, elbow, coupling







Module 3: Installation, repair and maintenance of a submersible pump *Mapped to ARG/N1114 v2.0*

Terminal Outcomes:

- Describe the process of preparing for the installation of a submersible pump.
- Demonstrate the process of installing a submersible pump and carrying out its repair and maintenance.

Duration: 30:00	Duration: 60:00				
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes				
 Explain the criteria for selecting the submersible pump according to the crop's variety and water needs. 	 Identify a submersible pump according to the water needs of a variety of crops. 				
 Explain the correct handling of the relevant installation tools and equipment. 	Demonstrate the correct handling of the tools, equipment, and accessories used in the installation of a				
 Describe the process of installing a submersible pump and testing it for correct functioning after the installation. 	 Demonstrate the process of installing the submersible pump and motor and testing it for correct functioning after 				
 Explain the common repair and maintenance needs of the submersible pump. 	 the installation is complete. Show how to identify the repair and maintenance needs of the submersible pump. 				
 Describe the process of carrying out repair and maintenance of the submersible pump. 	Demonstrate the process of carrying out repair and maintenance of the				
 Describe the process of conducting the drawdown test and 'pump shut- off head pressure' test on the submersible pump. 	submersible pump.				
Classroom Aids	<u> </u>				

Classroom Aids

Training kit (Trainer guide, Presentations). Whiteboard, Marker, projector, laptop

Tools, Equipment and Other Requirements

Micro-irrigation system, pipe, joint, dripper, sprinkler heads, tubings, motor, pump, pressure, measuring instrument, special tools for installing a micro drip system







Module 4: Re-winding of an electric motor *Mapped to AGR/N1142 v2.0*

Terminal Outcomes:

- Describe the process of re-winding an electric motor.
- Demonstrate the process of disassembling, re-wingding and reassembling an electric motor.

Duration: 20:00	Duration : 40:00			
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes			
 Describe the functions of various components of an electric motor. Identify various materials used in the re-winding of an electric motor. Describe the process of disassembling, re-winding and reassembling an electric motor. Explain the relevant winding data to be collected from the motor inscription plate while disassembling an electric motor. List the relevant tools and equipment. Describe the process of conducting a core-loss test to check the integrity of the core insulation. Explain the concept of electrical isolation. 	 Demonstrate the correct handling of the relevant tools and equipment. Demonstrate the process of disassembling, re-winding and reassembling an electric motor. Demonstrate the process of burning the existing windings in the electric motor core and cleaning it. Demonstrate the process of carrying out soldering, sandblasting and conducting the core-loss test. 			

Classroom Aids

Training kit (Trainer guide, Presentations)

Tools, Equipment and Other Requirements

Thermal Protectors, PTC Thermistor Sensors, Resistance Thermometers, Strip-wound Cut Cores, Toroidal Tape Cores etc.







Module 5: Hygiene and cleanliness

Mapped to NOS AGR/N9903 v3.0

Terminal Outcomes:

- Discuss how to adhere to personal hygiene practices.
- Demonstrate ways to ensure cleanliness around the workplace.

Duration: 03:00	Duration: 03:00				
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes				
 Explain the requirements of personal health, hygiene and fitness at work. Describe common health-related 	 Demonstrate personal hygiene practices to be followed at the workplace. 				
guidelines laid down by the organizations/ Government at the workplace.	 Demonstrate the correct way of washing hands using soap and water, and alcohol-based hand rubs. 				
 Explain the importance of good housekeeping at the workplace. 	 Demonstrate the steps to follow to put on and take off a mask safely. 				
Explain the importance of informing the designated authority on personal	 Show how to sanitize and disinfect one's work area regularly. 				
health issues related to injuries and infectious diseases.	Demonstrate adherence to the workplace sanitization norms.				
	Show how to ensure the cleanliness of the work area.				

Classroom Aids:

Computer, Projection Equipment, PowerPoint Presentation and Software, Facilitator's Guide, Participant's Handbook.

Tools, Equipment and Other Requirements

Personal Protective Equipment, Cleaning Equipment and Materials, Sanitizer, Soap, Mask







Module 6: Safety and emergency procedures Mapped to NOS AGR/N9903 v3.0

Terminal Outcomes:

- Describe how to adhere to safety guidelines.
- Show how to administer appropriate emergency procedures.

Classroom Aids:

Computer, Projection Equipment, PowerPoint Presentation and software, Facilitator's Guide, Participant's Handbook.

Tools, Equipment and Other Requirements

Personal protective equipment, first aid kit, equipment used in medical emergencies.







Module 7: Employability Skills (60 hours) Mapped to NOS DGT/VSQ/N0102 v1.0

Duration: 60:00

Key Learning Outcomes

Introduction to Employability Skills Duration: 1.5 Hours

After completing this programme, participants will be able to:

- 1. Discuss the Employability Skills required for jobs in various industries
- 2. List different learning and employability related GOI and private portals and their usage

Constitutional values - Citizenship Duration: 1.5 Hours

- 3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
- 4. Show how to practice different environmentally sustainable practices.

Becoming a Professional in the 21st Century Duration: 2.5 Hours

- 5. Discuss importance of relevant 21st century skills.
- 6. Exhibit 21st century skills like 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 or professional life.
- 7. Describe the benefits of continuous learning.

Basic English Skills Duration: 10 Hours

- 8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
- 9. Read and interpret text written in basic English
- 10. Write a short note/paragraph / letter/e -mail using basic English

Career Development & Goal Setting Duration: 2 Hours

11. Create a career development plan with well-defined short- and long-term goals

Communication Skills Duration: 5 Hours

- 12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
- 13. Explain the importance of active listening for effective communication
- 14. Discuss the significance of working collaboratively with others in a team

Diversity & Inclusion Duration: 2.5 Hours

- 15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
- 16. Discuss the significance of escalating sexual harassment issues as per POSH act.

Financial and Legal Literacy Duration:5 Hours

- 17. Outline the importance of selecting the right financial institution, product, and service
- 18. Demonstrate how to carry out offline and online financial transactions, safely and securely
- 19. List the common components of salary and compute income, expenditure, taxes, investments etc.
- 20. Discuss the legal rights, laws, and aids







Essential Digital Skills Duration: 10 Hours

- 21. Describe the role of digital technology in today's life
- 22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
- 23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
- 24. Create sample word documents, excel sheets and presentations using basic features
- 25. utilize virtual collaboration tools to work effectively

Entrepreneurship Duration: 7 Hours

- 26. Explain the types of entrepreneurship and enterprises
- 27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
- 28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
- 29. Create a sample business plan, for the selected business opportunity

Customer Service Duration: 5 Hours

- 30. Describe the significance of analysing different types and needs of customers
- 31. Explain the significance of identifying customer needs and responding to them in a professional manner.
- 32. Discuss the significance of maintaining hygiene and dressing appropriately

Getting Ready for apprenticeship & Jobs Duration: 8 Hours

- 33. Create a professional Curriculum Vitae (CV)
- 34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
- 35. Discuss the significance of maintaining hygiene and confidence during an interview
- 36. Perform a mock interview
- 37. List the steps for searching and registering for apprenticeship opportunities







Annexure

Trainer Requirements

Trainer Prerequisites							
Minimum Educational	Specialization	Relevant Industry Training Experience Experience		_	Remarks		
Qualification		Years	Specialization	Years	Specialization		
12th Class	Class 12th	5	Agriculture Farm Machinery	0		Irrigation Service Technician certificte or equivalent certificate holder for 5 Years from any recognized Governemnt/ Private institution	
12th Class	Class 12th	5	Agiculture farm Machinery	0		Ex-Service-Man including Ex-Paramilitary personnel: Minimum Qualification is 10+2 with an Honorable Discharge/Pension.SSC would consider a relaxation/waiver of sector specific experience on case to case basis.	
Diploma	Diploma (Mechanical / Civil / Plumbing / Fitter)	3	Agriculture Farm Machinery	0			
ΙΤΙ	ITI (Mechanical / Civil / Plumbing / Fitter)	3	Agriculture Farm Machinery	0			
Graduate	Graduate	3	Agriculture Farm Machinery	0		For school Program minimum qualification of Trainer should be Graduate. Their Teaching experience will be considered industry experience	
Graduate	Graduate (Agriculture / Horticulture / Botany/Forestry)	1	Agriculture Farm Machinery	0			







Certificate	CITS Pass- Plumber/Fitter certificate, Relevant CITS- NCIC Course	1	Agiculture farm Machinery	0		
B. Tech	B. Tech in Mechanical / Civil	0.5	Agiculture farm Machinery	0		
B. Tech	B. Tech in Agriculture engineering	0	Agiculture farm Machinery	0		

Trainer Certification		
Domain Certification	Platform Certification	
Certified for Job Role "Irrigation Service Technician", mapped to QP: "AGR/Q1104, v2.0", Minimum accepted score is 80%	Recommended that the Trainer is certified for the Job Role: "Trainer (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2601, v2.0". Minimum accepted score as per MEPSC guidelines is 80%.	







Assessor Requirements

	Assessor Prerequisites					
Minimum Educational	Specialization	Releva Experi	ant Industry ience	Trainin Experie	g/Assessment ence	Remarks
Qualification Graduatio n	B. Tech/ B.E (Agriculture / Agriculture Engineering / Irrigation Engineering)	Years 5	Agriculture Engineering/ Irrigation Engineering and related experience	Years 0	Specialization	Practical skills and knowledge required in irrigation servicing
Graduation	B.Sc (Agriculture /Agriculture Engineering / Horticulture and related streams)	5	Agriculture Engineering/ Irrigation Engineering and related experience	0		Practical skills and knowledge required in irrigation servicing
Postgraduation	M. Tech (Agriculture / Agriculture Engineering/ Irrigation Engineering and other related streams)	2	Agriculture Engineering/ Irrigation Engineering / and related experience	0		Practical skills and knowledge required in irrigation servicing
Postgraduation	M.Sc (Agriculture / irrigation and related streams)	2	Agriculture Engineering / Irrigation Engineering and related experience	0		Practical skills and knowledge required in irrigation servicing
PhD	PhD(Agriculture / Agriculture Engineering/Farm engineering /Irrigation engineering and related streams)	1	Agriculture Engineering/ Irrigation Engineering and related experience	0		Practical skills and knowledge required in irrigation servicing







Assessor Certification		
Domain Certification	Platform Certification	
"Irrigation Service Technician", "AGR/Q1104, v2.0", Minimum accepted score is 80%	Certified for the Job Role: "Assessor (Vet and Skills)", mapped to the Qualification Pack: "MEP/Q2701, v2.0", with a minimum score of 80%.	







Assessment Strategy

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 empaneled 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. <u>Viva:</u> To assess awareness on processes (Oral and/or written questioning)
- 3. <u>Practical:</u> 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

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.







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.

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

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.
- <u>Video Calls</u>: 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
- <u>Aadhar verification</u> 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.
- <u>TP Calling</u>: 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
- <u>Video and Picture Evidence:</u> 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.
- <u>Surprise Visit:</u> 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 form the basis of the results and encrypted files generated to avoid data manipulation. All responses captured and stored in System with Time-Stamps 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 the 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)







References

Glossary

Term	Description
Declarative knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem.
Key Learning	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application).
OJT (M)	On-the-job training (Mandatory); trainees are mandated to complete specified hours of training on site
OJT (R)	On-the-job training (Recommended); trainees are recommended the specified hours of training on site
Procedural Knowledge	Procedural knowledge addresses how to do something, or how to perform a
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon the completion of the training .
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome.







Acronyms and Abbreviations

Term	Description
AGR	Agriculture
NOS	National Occupational Standard (s)
NSQF	National Skills Qualifications Framework
OJT	On-the-job Training
QP	Qualifications Pack
PwD	People with Disability
PPE	Personal Protective Equipment
HDPE	High-Density Polyethylene
GPM	Gallons Per Minute