Model Curriculum

QP Name: EHS Steward

QP Code: CON/Q1401

QP Version: 3.0

NSQF Level: 3.5

Model Curriculum Version: 3.0

Construction Skill Development Council of India ||(CSDCI), CPB – 201 and 202, Block-4B, DLF corporate Park, Near Guru Dronacharya Metro Station, Phase – III, MG Road, Gurugram, Haryana – 122002

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Training Parameters

Sector	Construction Skill Development Council of India
Sub-Sector	Real Estate and Infrastructure Construction
Occupation	Environment, Health and Safety (EHS)
Country	India
NSQF Level	3.5
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3257.9900
Minimum Educational Qualification and Experience	11th grade pass or Completed 1st year of 3-year diploma (after 10th) and pursuing regular diploma or 10th grade pass and pursuing continuous schooling or 8th grade pass with 3 years of relevant industry experience or Previous relevant Qualification of NSQF Level 2.5 with 3 years of relevant industry experience or Previous relevant Qualification of NSQF Level 3 with 1.5 years of relevant industry experience
Pre-Requisite License or Training	Certification course in industrial safety
Minimum Job Entry Age	18 Years
Last Reviewed On	31/03/2022
Next Review Date	31/03/2025
NSQC Approval Date	31/03/2022
QP Version	3.0
Model Curriculum Creation Date	31/03/2022
Model Curriculum Valid Up to Date	31/03/2025
Model Curriculum Version	3.0
Minimum Duration of the Course	450 hours
Maximum Duration of the Course	450 hours
Rationalization Date	18/04/2024

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.

- Interpret standards pertaining to construction site safety, environmental norms and organizational safety norms.
- Evaluate workplace environment, equipment and overall practices to enforce safety protocols.
- Inform and instruct workers about maintaining environment, health and safety at construction site.
- Provide assistance in reporting and maintaining environment, health and safety at construction site.
- Demonstrate effective communication with co-workers, superiors and sub-ordinates across different teams
- Provide support to co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task.
- Demonstrate practices sensitive to disabilities (physical, mental, intellectual or sensory impairment), cultural diversity and gender neutrality.
- Demonstrate prioritizing of work activities to achieve the desired productivity.
- Demonstrate organizing of resources as per work plan prior to commencement of work.
- Identify various hazards at construction site.
- Use PPE's relevant to EHS task.
- Perform safe waste disposal at construction site.
- Demonstrate the activities to check the spread of infection as per medical/ organizational guidelines.

Compulsory Modules

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

NOS and Module Details	Theory Duration (in Hours)	Practical Duration (in Hours)	On-the-Job Training Duration (Mandatory) (in Hours)	Total Duration (in Hours)
CON/N1401: **Evaluate and create awareness for site EHS (Environment, Health and Safety) procedures** **NOS Version No.: 3.0** **NSQF Level: 3.5**	**60:00**	**90:00**	**30:00**	**180:00**
Module 1: Bridge Module	05:00	00:00	00:00	05:00
Module 2: Evaluate and create awareness for EHS (Environment, Health and Safety) procedures	55:00	90:00	30:00	175:00

CON/N1402: **Carry out checks and provide assistance to supervisor in implementing site safety norms** **NOS Version No.: 3.0** **NSQF Level: 3.5**	**45:00**	**75:00**	**30:00**	**150:00**
Module 3: Carry out checks and provide assistance to supervisor in implementing site safety norms	45:00	75:00	30:00	150:00
CON/N8001: **Work effectively in a team to deliver desired results at the workplace** **NOS Version No.: 12.0** **NSQF Level: 4**	**05:00**	**25:00**	**00:00**	**30:00**
Module 4: Communicate effectively at workplace	05:00	25:00	00:00	30:00
CON/N8002: **Plan and organize work to meet expected outcome** **NOS Version No.: 9.0** **NSQF Level 4**	**05:00**	**25:00**	**00:00**	**30:00**
Module 5: Prioritize activities and organize resources	05:00	25:00	00:00	30:00
CON/N9001: **Work according to personal health, safety and environment protocol at construction site** **NOS Version No.: 10.0** **NSQF Level: 4**	**05:00**	**25:00**	**00:00**	**30:00**
Module 6: Follow safety norms as defined by organization, adopt healthy and safe work practices	05:00	25:00	00:00	30:00
DGT/VSQ/N0101: **Employability Skills (30 Hours)** **NOS Version No.: 1.0** **NSQF Level: 2**	**30:00**	**00:00**	00:00	**30:00**
Module 7: Employability Skills	30:00	00:00	00:00	30:00
Total Duration	**150:00**	**240:00**	**60:00**	**450:00**

Module Details

Module 1: Bridge Module
Mapped to CON/N1401, v 3.0

Terminal Outcomes:

- Explain the role and responsibilities of EHS Steward.
- Identify the career progression options for EHS Steward.

Duration: *05:00*	Duration: *00:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Describe the role and responsibilities of an EHS Steward. • Define the personal attributes required in Environment, Health and Safety (EHS) occupation. • Explain the future possible progression and career development options of an EHS Steward.	
Classroom Aids:	
Projector, Blackboard , Trade specific charts and other teaching aids	
Tools, Equipment and Other Requirements	
N/A	

Module 2: Evaluate and create awareness for site EHS (Environment, Health and Safety) procedures
Mapped to CON/N1401, v.3.0

Terminal Outcomes:

- Read and interpret standards pertaining to construction site safety, environmental norms and organizational safety norms.
- Evaluate workplace environment, equipment and overall practices to enforce safety protocols.

Duration: *55:00*	Duration: *90:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
- Explain the standards pertaining to Environment, Health, and Safety (EHS) compliances at the construction site. - Describe different safety signs and bulletin boards applicable to the construction site. - Discuss various PPE associated with works at construction site. - Describe various types of hazards associated with workplace and their precautions. - Discuss the safe handling procedure of tools and equipment. - Discuss the precautions and measures in maintaining site EHS procedures. - Describe the various procedures and parameters involved for identification and evaluation of injuries, hazards, accidents and emergencies. - Describe the EHS risk assessment procedures. - Describe the various checklists for EHS procedures on site compliance and regulatory requirements relating to site EHS.	- Interpret standards pertaining to construction site safety, environmental norms and organizational safety norms - Evaluate workplace environment, equipment and overall practices for safety standards compliances against safety parameters. - Demonstrate methods to check the effectiveness of health and safety measures on site. - Demonstrate preliminary hazard identification procedure performed prior to commencing any construction activity. - Evaluate the risks associated with work constituting hazard to the health and safety of employees/ workers, and environment against safety parameters. - Demonstrate erection of site safety communication boards and posters on site. - Demonstrate checks performed for safety precautions like guard rails, safety nets, fall protection and others for all site works. - Demonstrate identification and reporting of potential hazards and potential major incidents that may occur at a construction site.
Classroom Aids:	
Computer, printer, projector, white board/ flip chart, marker and duster	
Tools, Equipment and Other Requirements	
Safety Helmets, Face shield, Overalls, Knee pads, Safety shoes, Safety belts, Safety harness, Safety Gloves, Safety goggles, Particle masks, Ear Plugs, Reflective jackets, Fire Extinguisher, Fire prevention kit, First Aid box, Safety tags, Safety Notice boards	

Module 3: Carry out checks and provide assistance to supervisor in implementing site safety norms
Mapped to CON/N1402, v.2.0
Terminal Outcomes:

- Inform and instruct workers about maintaining environment, health and safety at construction site.
- Provide assistance in reporting and maintaining environment, health and safety at construction site.

Duration: *45:00*	Duration: *75:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
- Explain the rules and standards pertaining to construction safety to site workers. - Explain various methods of waste disposal at the construction site in accordance with EHS compliances. - Discuss the importance and procedures for informing site workers about maintaining EHS compliances at the construction site. - Discuss about the first aid methods adopted during the time of medical emergencies. - Explain the importance and methods to conduct mock drill and fire drills related to the hazardous conditions at the construction site. - Explain the process of collecting data for environmental projects. - Explain the reporting procedure for fatal accidents.	- Demonstrate process of instructing workers about any hazard and related work procedures prior to any work. - Demonstrate first aid training to workers. - Demonstrate checks to ensure that standard safety procedures are followed and appropriate PPE's are used during works. - Demonstrate checks to confirm compliance with safety standards in workplace environment, equipment and overall practices. - Demonstrate checks for confirming accessibility of access road prior to any work. - Demonstrate checks to confirm use of proper handling procedures for lifting and shifting of materials, tools and tackles. - Perform emergency evacuation at site. - Demonstrate processes to assess the potential hazards and dangerous occurrences at the work place. - Demonstrate reporting of near miss, fatal conditions and hazardous condition to superiors. - Demonstrate checks to ensure proper housekeeping at labour camp. - Demonstrate checks to ensure proper housekeeping and disposal of waste as per organisational and environmental norms.
Classroom Aids:	
Computer, printer, projector, white board/ flip chart, marker and duster	
Tools, Equipment and Other Requirements	
Safety Helmets, Face shield, Overalls, Knee pads, Safety shoes, Safety belts, Safety harness, Safety Gloves, Safety goggles, Particle masks, Ear Plugs, Reflective jackets, Fire Extinguisher, Fire prevention kit, First Aid box, Safety tags, Safety Notice boards	

Module 4: Communicate effectively at workplace
Mapped to CON/N8001, v12.0

Terminal Outcomes:

- Demonstrate effective communication with co-workers, superiors and sub-ordinates across different teams
- Provide support to co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task.
- Demonstrate practices sensitive to disabilities (physical, mental, intellectual or sensory impairment), cultural diversity and gender neutrality.

Duration: *05:00*	**Duration**: *25:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
- Explain the effects and benefits of timely actions relevant to the task at hand with examples. - Explain the importance of teamwork and its effects relevant to the task at hand with examples. - Explain the importance of proper and effective communication and its adverse effects in case of failure of proper communication. - Discuss about gender and its related concept: gender equality, gender equity (group work) - Discuss different types of disabilities (physical, mental, intellectual or sensory impairment). - Discuss the activities sensitive to the cultural diversity, disabilities and gender neutrality at the workplace. - Discuss the basic rules and regulations related to gender sensitivity, disabilities, and cultural diversity, with their impact on operations of a workplace. - Discuss how to take initiative in resolving issues among co-workers in a given situation. - Discuss reporting procedure followed at the workplace.	- Apply effective communication skills while interacting with co-workers, trade seniors and others during the assigned task. - Use appropriate writing skills and verbal communication reporting as per commonly applicable organisational norms. - Demonstrate teamwork skills during assigned task. - Demonstrate acceptable interpersonal transactions with individuals having disabilities (physical, mental, intellectual or sensory impairment) or cultural diversity. - Demonstrate the process modifications required to make the workplace free from gender biases.
Classroom Aids:	
Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids	
Tools, Equipment and Other Requirements	
N/A	

Module 5: Prioritise activities and organise resources to meet desired outcome

Mapped to CON/N8002, v 9.0

Terminal Outcomes:

- Demonstrate prioritising of work activities in order to achieve the desired results.
- Demonstrate organising of resources prior to commencement of work.

Duration: *05:00*	Duration: *25:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
- Explain how to upkeep, store and stack tools, materials used for domain specific works. - Explain the process of planning of false ceiling and dry wall installation works work activities within defined scope of work. - Explain the procedure adopted for prioritizing an activity and sequencing of activities. - Explain basic concept of productivity. - Describe requisition of resources, reporting for requirement of resources orally and in written to concerned authority.	- Demonstrate reporting procedure adopted in case of requirement of resources to concerned authorities. - Demonstrate the planning of assigned false ceiling and dry wall installation works tasks as per scope and schedule. - Select materials, tools or devices for defined purpose of false ceiling and dry wall installation works activities. - Demonstrate how to prioritize all works/ activities. - Demonstrate optimum use of resources while performing false ceiling and dry wall installation works activities.
Classroom Aids:	
Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids	
Tools, Equipment and Other Requirements	
N/A	

Module 6: Follow safety norms as defined by organization, adopt healthy and safe work practices

Mapped to CON/N9001, v 10.0

Terminal Outcomes:

- Identify various hazards at construction site.
- Use PPE's relevant to fabricator.
- Perform safe waste disposal at construction site.
- Demonstrate the activities to check the spread of infection as per medical/ organizational guidelines.

Duration: *05:00*	**Duration**: *25:00*
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
- Explain the types of hazards at the construction sites and identify the hazards specific to the domain related works. - Recall the safety control measures and actions to be taken under emergency situation. - Explain the classes of fire and types of fire extinguishers. - Explain the importance of participation of workers in safety drills. - Explain the reporting procedure to the concerned authority in case of emergency situations. - Describe the standard procedure for handling, storing and stacking of material, tools, equipment and accessories. - Explain different types of waste at construction sites and their disposal method. - Explain the purpose and importance of vertigo test at construction site. - List out basic medical tests required for working at construction site. - Explain the types and benefits of basic ergonomic principles, which should be adopted while carrying out specific task at the construction sites. - Explain the importance of housekeeping works. - List different types of infectious disease that can spread/ originate at a construction site - Discuss the ways of transmission of the various infectious disease.	- Demonstrate the operating procedure of the fire extinguishers. - Demonstrate use of PPEs as per work requirements. - Demonstrate vertigo test. - Demonstrate safety techniques to be adopted in case of accidents. - Demonstrate safe waste disposal practices followed at construction site. - Demonstrate safe housekeeping practices. - Demonstrate the practices to maintain personal hygiene, workplace hygiene and site/ workplace sanitization. - Demonstrate the methods to clean and disinfect all materials, tools and supplies before and after use. - Demonstrate the procedure to report to the concerned authority regarding the outbreak/ hazard of any infectious disease/ pandemic.

• Explain the methods to check the spread of the infectious disease. • Describe the symptoms and cure of the various infectious disease.	

Classroom Aids:

Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids

Tools, Equipment and Other Requirements

Leather Hand Gloves, Jump suit, Wire brush, Hand & Leg guard leather, Safety goggles, Nose mask, Ear protection, Fire extinguishers, Sand buckets Flashback arrestors, Welding helmet, Welding glass, Fire Extinguisher, Fire prevention kit, First Aid box, Safety tags, Safety Notice board

Module 7: Employability Skills (30 Hours)
Mapped to DGT/VSQ/N0101, v1.0

Duration: 30:00

Key Learning Outcomes

Introduction to Employability Skills Duration: 1 Hour

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 Hour

After completing this programme, participants will be able to:

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: 1 Hour

After completing this programme, participants will be able to:

5. Discuss the 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: 5 Hours

After completing this programme, participants will be able to:

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: 1 Hour

After completing this programme, participants will be able to:

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

Communication Skills Duration: 2.5 Hours

After completing this programme, participants will be able to:

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: 1 Hour

After completing this programme, participants will be able to:

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: 2.5 Hours

After completing this programme, participants will be able to:

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.

Essential Digital Skills Duration: 5 Hours

After completing this programme, participants will be able to:

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

Entrepreneurship Duration: 3.5 Hours

After completing this programme, participants will be able to:

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

Customer Service Duration: 2.5 Hours

After completing this programme, participants will be able to:

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

Getting Ready for apprenticeship & Jobs Duration: 4 Hours

After completing this programme, participants will be able to:

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

On-the-Job Training

Mapped to EHS Steward, v 3.0

CON/N1401, v 3.0, Mandatory Duration: *30:00*	Recommended Duration:

Location: On Site

Terminal Outcomes

- Interpret standards pertaining to construction site safety, environmental norms and organizational safety norms
- Evaluate workplace environment, equipment and overall practices for safety standards compliances against safety parameters.
- Demonstrate methods to check the effectiveness of health and safety measures on site.
- Demonstrate preliminary hazard identification procedure performed prior to commencing any construction activity.
- Evaluate the risks associated with work constituting hazard to the health and safety of employees/ workers, and environment against safety parameters.
- Demonstrate erection of site safety communication boards and posters on site.
- Demonstrate checks performed for safety precautions like guard rails, safety nets, fall protection and others for all site works.
- Demonstrate identification and reporting of potential hazards and potential major incidents that may occur at a construction site.

CON/N1402, v 3.0, Mandatory Duration: *30:00*

Location: On Site

Terminal Outcomes

- Demonstrate process of instructing workers about any hazard and related work procedures prior to any work.
- Demonstrate first aid training to workers.
- Demonstrate checks to ensure that standard safety procedures are followed and appropriate PPE's are used during works.
- Demonstrate checks to confirm compliance with safety standards in workplace environment, equipment and overall practices.
- Demonstrate checks for confirming accessibility of access road prior to any work.
- Demonstrate checks to confirm use of proper handling procedures for lifting and shifting of materials, tools and tackles.
- Perform emergency evacuation at site.
- Demonstrate processes to assess the potential hazards and dangerous occurrences at the work place.
- Demonstrate reporting of near miss, fatal conditions and hazardous condition to superiors.
- Demonstrate checks to ensure proper housekeeping at labour camp.
- Demonstrate checks to ensure proper housekeeping and disposal of waste as per organisational and environmental norms.

Annexures

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	**Specialization**	**Relevant Industry Experience**		**Training Experience**		**Remarks**
		Years	*Specialization*	*Years*	*Specialization*	
Graduation (B.E. / B.Tech)	Civil / Mechanical / Electrical Engineering	2	EHS supervisory work	1	EHS supervisory work	As a pre-requisite for new entrant, no prior experience in training /assessment is mandatory. However, if someone with prior experience in requisite domain joins, experience will be measured in terms of relevant industry experience.
Diploma	Civil / Mechanical / Electrical Engineering	3	EHS supervisory work	1	EHS supervisory work	
ITI	Relevant Trade	6	EHS supervisory work	1	EHS supervisory work	
Graduation/ Ex. Army/ ITI Coarse/ Others	B.Sc./ Graduation certificate from Army/ITI certificate in relevant trade	6	EHS supervisory work	1	EHS supervisory work	

Trainer Certification	
Domain Certification	**Platform Certification**
Recommended that the Trainer is certified for the Job Role: "EHS Steward", mapped to the Qualification Pack: "CON/Q1401, v3.0". The 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, v3.0". The minimum accepted score is 80%.

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	**Specialization**	**Relevant Industry Experience**		**Assessment Experience**		**Remarks**
		Years	*Specialization*	*Years*	*Specialization*	
Graduation (B.E. / B. Tech)	Civil / Mechanical / Electrical Engineering	2	EHS supervisory work	1	EHS supervisory work	As a pre-requisite for new entrant, no prior experience in training /assessment is mandatory. However, if someone with prior experience in requisite domain joins, experience will be measured in terms of relevant industry experience.
Diploma	Civil / Mechanical / Electrical Engineering	5	EHS supervisory work	1	EHS supervisory work	
ITI	Relevant Trade	7	EHS supervisory work	1	EHS supervisory work	

Assessor Certification	
Domain Certification	**Platform Certification**
Recommended that the Assessor is certified for the Job Role: "EHS Steward", mapped to the Qualification Pack: "CON/Q1401, v3.0". The minimum accepted score is 80%.	Recommended that the Assessor is certified for the Job Role: "Assessor (VET and skills)", mapped to the Qualification Pack: "MEP/Q2701, v3.0". The minimum accepted score is 80%.

Assessment strategy

Assessment system Overview:

Assessment is done through CSDCI affiliated Assessment Agencies. Assessors are trained & certified by CSDCI after training of assessors program. Assessments is conducted to gauge and assess the trainee's skill and knowledge competency in the specified areas. The assessment will have both theory and practical components in 30:70 ratio for false ceiling and Dry wall installer job role.

During the practical task, trainees are assessed on their workmanship, quality of finished product and time management. They will be graded for all their assessments based on the approved assessment strategy which is signed off by CSDCI. The Assessor submits an assessment plan to CSDCI prior to assessments.

The assessment plan contains the following information:

- What will be assessed, i.e. the competency based on each NOS based on theory and practical questions
- How assessment will occur i.e. methods of assessment
- When the assessment will occur
- duration of assessment
- Where the assessment will take place i.e. context of the assessment (workplace/simulation)
- The criteria for decision making i.e. those aspects that will guide judgments and
- Where appropriate, any supplementary criteria used to make a judgment on the level of performance.

Testing Environment:

- Training partner shares the batch start date and end date, number of trainees and the job role.
- Assessment will be fixed for a day after the end date of training. It could be next day or later. Assessment will be conducted at the training venue/test center.
- The knowledge/theory assessments is conducted with proper seating arrangements with enough space between the candidates to prevent copying.
- Question set for theory and practical will be distributed to each candidate by the Assessor. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on his theoretical knowledge of the subject. The skill /practical assessments will be conducted in the approved test centers. The training provider will ensure adequate tools and materials are available to conduct the practical test.
- If number of candidates are more than 30, more assessors will be organized on same day to complete the assessment.
- The assessment has to comprise of two components, namely:
- Knowledge assessment (theory/viva assessment)
- Skill assessment (practical/hands-on skill assessment)

Mode of assessment:

- Demonstration/Practical for Performance /Skill Assessment
- Synoptic multiple-choice question test
- Viva   for Knowledge Assessment

Performance/skill assessment:

- The performance/skill assessment will be conducted through demonstration/practical
- For the practical test trainees are assessed through a given task, which they have to complete

correctly for them to be marked as passed.

- The assessment is conducted in a simulated working environment. Due to this fact, the assessors must note that the naturally occurring evidence of competence is unavailable or infrequent. Simulation must be undertaken in a Realistic Working Environment which provides an environment that replicates the key characteristics of the workplace in which the skill to be assessed is normally employed.

Knowledge Assessment:
- The knowledge assessments are conducted through written test/ viva.
- Synoptic test is used for this. It is an MCQ (Multiple Choice Question) test which are prepared externally and externally marked, meaning by agency having no link with training partners. The test may be conducted by the assessor in the oral mode, if required, considering the lack of reading and comprehending acumen (skills) of trainees. In such cases, the assessor will mention it on top of the MCQ submitted to CSDCI.
- The assessment strategy, weightage and duration of assessment for false ceiling and dry wall installer is summarized below

Assessment Type	Formative or Summative	Strategies	Weightage	Duration (hours)
Knowledge	Summative	MCQ/Viva	30	1.5
skill	Summative	Structured practical task	70	5.5

Assessment Quality Assurance framework:
- CSDCI has developed assessment criteria framework for each Qualification pack as per National Occupational Standards. The criteria framework includes weightages/marks for each criterion under knowledge and skill. The criteria ensure quality assurance as it ensures valid, consistent and fair assessments at all locations. Issued to the affiliated Assessment body. The Assessment body develop questions based on CSDCI issued assessment criteria.
- Evidences in the form of answer sheets in case of knowledge assessments are collected. For skill assessments videos and photographs are prepared as evidence. These are submitted by the assessor to the assessment agency. CSDCI does random checks of the same with the participant/ trainee's ID and ascertains authenticity and validity of assessments.
- The training partner will intimate the time of arrival of the assessor and time of leaving the venue. Random spot checks/audit is conducted by CSDCI to monitor assessment.

Methods of Validation:
- Unless the trainee is registered, the person cannot undergo assessment. To further ensure that the person registered is the person appearing for assessment, ID verification is carried out. Aadhar card number is part of registering the candidate for training. This forms the basis of further verification during the assessment.
- Assessor conducts the assessment through theory and practical questions developed in accordance with the assessment criteria and guidelines issued by CSDCI. This too is verified by random audits carried out by CSDCI.
- Evidences for assessments are to be collected and submitted to CSDCI for verification as per demand.
- Assessment agency is responsible to put details in SIP. CSDCI will also validate the data and result received from the assessment agency.

Method of assessment documentation and access:
- The assessment agency will upload the result of assessment in the portal. The data will not be accessible

for change by the assessment agency after the upload. The assessment data will be validated by CSDCI assessment team. After upload, only CSDCI can access this data.

- CSDCI approves the results within five days after which results are uploaded on SIP by Assessment Agency.

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 Outcome	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 task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psychomotor skills.
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
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
CSDCI	Construction Skill development Council of India
MCQ	Multiple Choice Question
EHS	Environment Health and Safety