









Model Curriculum

QP Name: Associate Construction Fitter

QP Code: CON/Q1254

QP Version: 1.0

NSQF Level: 3

Model Curriculum Version: 1.0

Construction Skill Development Council of India || Construction Skill Development Council of India (CSDCCI), CPB – 103 & 104, Block-4B, DLF corporate Park, Phase – III, MG Road Gurugram – 122002 Near Guru Dronacharya Metro Station







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Training Parameters

Sector	Construction Skill Development Council of India
Sub-Sector	Real Estate and Infrastructure Construction
Occupation	Fabrication
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7214.0800
Minimum Educational Qualification and Experience	Grade 9 or Grade 8 with one year of (NTC/ NAC) after 8th or 8th grade pass with 1 year relevant experience or 5th Grade Pass with 4 years of relevant experience or Previous relevant Qualification of NSQF Level 2 with 1 year relevant experience or Previous relevant Qualification of NSQF Level 2.5 with 6 months relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	N/A
Next Review Date	N/A
NSQC Approval Date	N/A
QP Version	Version number 1.0
Model Curriculum Creation Date	15/02/2023
Model Curriculum Valid Up to Date	15/08/2023
Model Curriculum Version	Version number 1.0
Minimum Duration of the Course	210 hrs
Maximum Duration of the Course	210 hrs







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.

- Identify and mark structural elements to assist in the fit-up of the same.
- Identify, use various tools, tackles and handle heavy materials used in fit-up of fabricated components.
- Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up
- Interact, communicate & support effectively with co-workers, superiors and sub-ordinates within the team and across interfacing teams to ensure effective execution of assigned task.
- Follow safety norms as defined by organization, adopt healthy and safe work practices

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
CON/N1203: Identify and mark structural elements to assist in the fit-up of the same NOS Version No. 3.0 NSQF Level 3	09:00 hrs	21:00			30:00 hrs
Identify and mark structural elements to assist in the fit-up of the same	09:00 hrs	21:00			30:00 hrs
CON/N1204: Identify, use various tools, tackles and handle heavy materials used in fit-up of fabricated components NOS Version No.3.0 NSQF Level 3	09:00 hrs	21:00			30:00 hrs
Identify, use various tools, tackles and handle heavy materials used in fit-up of fabricated components	09:00 hrs	21:00			30:00 hrs
CON/N1205: Assist in preparatory activities, edge preparation and	09:00 hrs	21:00			30:00 hrs

positioning of steel sections for fit-up NOS Version No.3.0O9:00 hrs21:0030:00 hrsAssist in preparatory activities, edge preparation and positioning of steel sections for fit-up09:00 hrs21:0030:00 hrsCON/N8001 Work effectively in a team to deliver desired results at the work place NOS Version No.10.009:00 hrs21:0030:00 hrsNSQF Level 309:00 hrs21:0030:00 hrsInteract and communicate effectively with co-workers, superiors and sub- ordinates across different teams09:00 hrs21:0030:00 hrsCON/N8002 Plan and organize work to meet expected outcomes NOS Version No. 7.009:00 hrs21:0030:00 hrsCON/N9001 Work according to personal health, safety and environment protocol at construction site NOS Version No.3.009:00 hrs21:0030:00 hrsCON/N9001 Work according to personal health, safety and environment protocol at construction site NOS Version No.3.009:00 hrs21:0030:00 hrsFollow safety norms as defined by organization, adoet health y and safe work practices09:00 hrs21:0030:00 hrsDGT/NSQ/N0101: Employability Skills (30 Hours)30:00 hrs00:0030:00 hrsSore level 350:00 hrs00:0030:00 hrsDGT/NSQ/N0101: Employability Skills30:00 hrs <th>Sector Sector Se</th> <th></th> <th>GOVERNMENT MINISTRY OF SKALL OF A EINTREPEND</th> <th>EVELOPMENT.</th> <th>Skill India</th> <th>N·S·D·C National Skill Developmen Corporation Transforming the skill landscap</th>	Sector Se		GOVERNMENT MINISTRY OF SKALL OF A EINTREPEND	EVELOPMENT.	Skill India	N·S·D·C National Skill Developmen Corporation Transforming the skill landscap
Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up09:00 hrs21:0030:00 hrsCON/N8001 Work effectively in a team to deliver desired results at the work place NOS Version No.1.009:00 hrs21:0030:00 hrsNOS Version No.10.0 NSQF Level 309:00 hrs21:0030:00 hrsCON/N8002 Plan and organize work to meet expected outcomes09:00 hrs21:0030:00 hrsCON/N8001 Work according to personal 	sections for fit-up NOS Version No.3.0					
CON/N8001 Work effectively in a team to deliver desired results at the work place 	Assist in preparatory activities, edge preparation and positioning of steel	09:00 hrs	21:00			30:00 hrs
communicate effectively with co-workers, superiors and sub- ordinates across different teamsImage: Superiors and sub- ordinates across different teamsImage: Superiors and sub- ordinates across different teamsImage: Superiors and sub- ordinates across different 	CON/N8001 Work effectively in a team to deliver desired results at the work place NOS Version No.10.0	09:00 hrs	21:00			30:00 hrs
organize work to meet expected outcomes NOS Version No. 7.0 NSQF Level 3Second Second Secon	communicate effectively with co-workers, superiors and sub- ordinates across different	09:00 hrs	21:00			30:00 hrs
organise resourcesImage: construction site09:00 hrs21:00Image: construction site30:00 hrsNOS Version No.8.0NSQF Level 309:00 hrs21:00Image: construction siteImage: construction siteFollow safety norms as defined by organization, adopt healthy and safe work practices09:00 hrs21:00Image: construction siteDGT/VSQ/N0101: Employability Skills (30 Hours)30:00 hrs00:00Image: construction site30:00 hrsSQF Level 330:00 hrs00:00Image: construction siteImage: construction siteImage: construction siteDGT/VSQ/N0101: Employability Skills (30 Hours)30:00 hrs00:00Image: construction siteImage: construction siteSQF Level 3Image: construction siteImage: construction siteImage: construction siteImage: construction siteDGT/VSQ/N0101: Employability Skills30:00 hrs00:00Image: construction siteImage: construction siteEmployability Skills30:00 hrsImage: construction siteImage: construction siteImage: construction siteEmployability Skills30:00 hrs	organize work to meet expected outcomes NOS Version No. 7.0	09:00 hrs	21:00			30:00 hrs
according to personal health, safety and environment protocol at construction site NOS Version No.8.0 NSQF Level 3Image: Second seco		09:00 hrs	21:00			30:00 hrs
Follow safety norms as defined by organization, adopt healthy and safe work practices09:00 hrs21:0030:00 hrsDGT/VSQ/N0101: Employability Skills (30 Hours) NOS Version No.1.0 NSQF Level 330:00 hrs00:0030:00 hrsEmployability Skills30:00 hrs00:0030:00 hrsEmployability Skills30:00 hrs00:0030:00 hrsSolution30:00 hrs00:0030:00 hrsSolution30:00 hrs00:0030:00 hrs	according to personal health, safety and environment protocol at construction site NOS Version No.8.0	09:00 hrs	21:00			30:00 hrs
DGT/VSQ/N0101: Employability Skills (30 Hours) NOS Version No.1.0 NSQF Level 330:00 hrs00:0030:00 hrsEmployability Skills30:00 hrs00:0030:00 hrs	Follow safety norms as defined by organization, adopt healthy and safe	09:00 hrs	21:00			30:00 hrs
	DGT/VSQ/N0101: Employability Skills (30 Hours) NOS Version No.1.0	30:00 hrs	00:00			30:00 hrs
Total Duration 84:00 hrs 126:00 210:00 hrs	Employability Skills Total Duration					







Module Details

Module 1: Identify and mark structural elements to assist in the fit-up of the same *Mapped to CON/N1203*

Terminal Outcomes:

• Identify and mark structural elements to assist in the fit-up of the same.

Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Determine the location and orientation of sections for marking by interpreting the sketches Explain the process of measuring and marking structural steel Describe the ergonomics involved in material shifting Explain various methods of shifting and stacking heavy materials Explain undulations and their effect on the quality of overall output. 	 Compute dimensions of structural elements by interpreting hand sketches and simple drawings. Categorize materials used in fit up based upon the weight (light, medium and heavy materials) Identify various sections on basis of shapes Differentiate between sheet and plate sections based on size Identify the sections (I, C, H, UC) from the hand sketches or fabrication shop drawings. Demonstrate measuring and marking on steel sections specifying location of components (plate sections, bar section, rolled sectioned.)
Classroom Aids:	
Computer, printer, projector, white board/ flip c	hart, marker and duster
Tools, Equipment and Other Requirements	

Hand Gloves, Apron leather, Gas welding Goggles with Colour glass, Chipping hammer, Chisel, Clamps, Gas Pressure measuring guage, Trolley for cylinder, Plasma cutting torch, nozzle with consumables (tip and cap), Cutting cart, Head protector, Electrodes, Cutting guides, Power source and compression unit with internal cooling system, Exhaust fan, Light source







Module 2: Identify, use various tools, tackles and handle heavy materials used in fit-up of fabricated components *Mapped to CON/N1204*

Terminal Outcomes:

• Identify, use various tools, tackles and handle heavy materials used in fit-up of fabricated components

components	
Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the areas of application of each instrument. List major equipment manufacturers, the models, cost and specifications of instruments and equipment used for fabrication Describe process of controlling the position of suspended load 	 Identify the various tools and instruments used for marking, measuring, anchoring (holding and tightening), cutting and striking, lifting and shifting. Use various tools and tackles required for performing lifting and shifting of heavy materials Apply various do's and don'ts while performing lifting and shifting of heavy materials Apply safe working practices while lifting and shifting heavy materials Demonstrate visual checks carried out for serviceability of hand tools Demonstrate checks performed for ensuring no obstruction of load Demonstrate material shifting as per standard practices. Demonstrate safe stacking of heavy materials as per standard practices
Classroom Aids:	
Computer, printer, projector, white board/ flip cl	hart, marker and duster
Tools, Equipment and Other Requirements	
Hand Gloves Anron leather Gas welding Goggle	s with Colour glass. Chinning hammer. Chisel

Hand Gloves, Apron leather, Gas welding Goggles with Colour glass, Chipping hammer, Chisel, Clamps, Gas Pressure measuring guage, Trolley for cylinder, Plasma cutting torch, nozzle with consumables (tip and cap), Cutting cart, Head protector, Electrodes, Cutting guides, Power source and compression unit with internal cooling system, Exhaust fan, Light source







Module 3: Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up

Mapped to CON/N1205

Terminal Outcome:

• Assist in preparatory activities, edge preparation and positioning of steel sections for fit-up

Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain fit-up, its role and purpose and common trade terminologies Describe fabrication platform, its preparation and use Explain scrap and its disposal Describe and use the anchoring devices, explain their operation and purpose Describe various types of jacks carryout marking on the structural steel sections from the hand sketches provided Describe the procedure for placing and fixing the structural steel sections on the fabrication platform 	 Interpret the drawings/ hand sketches to obtain relevant details like dimensions, orientation, alignment etc. for edge preparation. Use equipment and tools for edge preparation Demonstrate operation of bevelling machine to obtain required edge preparation as per the drawings, following standard safety parameters Perform measurements of the edge preparation to confirm its dimensional correction, following standard safety parameters Demonstrate the procedure for placing and fixing the structural steel sections on the fabrication platform
Classroom Aids:	
Computer, printer, projector, white board/ flip cha	rt, marker and duster
Tools Equipment and Other Pequirements	

Tools, Equipment and Other Requirements

Hand Gloves, Apron leather, Gas welding Goggles with Colour glass, Chipping hammer, Chisel, Clamps, Gas Pressure measuring guage, Trolley for cylinder, Plasma cutting torch, nozzle with consumables (tip and cap), Cutting cart, Head protector, Electrodes, Cutting guides, Power source and compression unit with internal cooling system, Exhaust fan, Light source







Module 4: Interact and communicate effectively with co-workers, superiors and sub-ordinates across different teams *Mapped to CON/N8001*

Terminal Outcome:

- 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.

Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Interpret work sketches construction painting works formats, permits, protocols, checklists etc. Interpret scope of construction painting works. Explain effect and benefit of timely actions relevant to construction painting works with examples. Explain importance of team work and its effects relevant to construction painting works with examples. Explain importance of proper and effective communication and its adverse effects in case of failure of proper communication. 	 Demonstrate effective communication skills while interacting with co-workers and trade seniors during the assigned task. Demonstrate effective reporting to seniors as per applicable organisational norms. Instruct subordinates in a clear and precise manner with respect to construction painting works. Demonstrate team work during assigned task.
Classroom Aids:	
Black/White board, marker, Projector/LED Monit Safety Notice board, registers and other teaching	
Tools, Equipment and Other Requirements	
N/A	







Module 5: Prioritise activities and organise resources

Mapped to CON/N8002

Terminal Outcomes:

- Demonstrate prioritizing of work activities to achieve the desired productivity.
- Demonstrate organizing of resources as per work plan prior to commencement of work.

Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain methods to upkeep, store and stack tools, materials used for domain specific works. Explain the process of planning of the given tasks and activities relevant to the trade/job role within defined scope and duration. Explain the procedure adopted for prioritizing an activity and sequencing of activities. Explain the work plan and flow of activities in sequence for the assigned work. Explain basic concept of labour productivity and work productivity. Explain requisition of resources, reporting for requirement of resources orally and in written to concerned authority. Explain how to minimise wastage of resources. Explain the plan for waste collection and disposal after task. 	 Identify the work target and plan activities to achieve the desired productivity. Demonstrate requisition of resource citing an example. Demonstrate the planning for various activities relevant to task as per the scope and schedule. Demonstrate how to organise the required tool, manpower and material resources for the assigned task. Select required quantity of materials, tools or devices for defined work activities. Demonstrate how to prioritize all works/ activities to maximise output. Demonstrate waste collection and disposal as per organisational norms. Demonstrate completion of work within stipulated time and plan.
Classroom Aids:	
Black/White board, marker, Projector/LED Monit	
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*

Terminal Outcome:

- Identify various hazards at construction site.
- Use PPE's relevant to construction painting task.
- Perform safe waste disposal at construction site.

Duration: 09:00	Duration: 21:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Explain the types of hazards at the construction sites and identify the hazards specific to the construction fitter work. 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 generated at construction site including their disposal method. Explain the purpose and importance of vertigo test. 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. 	 Demonstrate the operating procedure of the fire extinguishers. Demonstrate different methods involved in providing First aid to the affected person Use PPEs as per work requirements during construction painting job. Demonstrate vertigo test. Demonstrate safe waste disposal practices followed at construction site. Demonstrate safe housekeeping practices.
Classroom Aids:	
Computer, printer, projector, white board/ flip ch	nart, marker and duster
Tools, Equipment and Other Requirements	
Safety Helmets, Face shield, Overalls, Knee pads, Gloves, Safety goggles, Particle masks, Ear Plugs, prevention kit, First Aid box, Safety tags, Safety	Reflective jackets, Fire Extinguisher, Fire









Terminal Outcome:

- Introduction to Employability Skills
- Constitutional values Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for apprenticeship & Jobs

Du	ration: 30:00	Duration: 00:00
Theory – Key Learning Outcomes		Practical – Key Learning Outcomes
•	Discuss the importance of Employability Skills in meeting	
	the job requirements	
٠	Explain constitutional values, civic rights, duties,	
	citizenship, responsibility towards society etc.	
	that are required to be followed to become a	
	responsible citizen.	
٠	Show how to practice different environmentally	
	sustainable practices	
•	Discuss 21st century skills.	
•	Display positive attitude, self -motivation,	
	problem solving, time management skills and	
	continuous learning mindset in different	
	situations.	
•	Use appropriate basic English sentences/phrases while	
	speaking	
•	Demonstrate how to communicate in a well -mannered	
	way with others.	
•	Demonstrate working with others in a team	
•	Show how to conduct oneself appropriately with all	
	genders and PwD	
•	Discuss the significance of reporting sexual harassment	
	issues in time	
•	Discuss the significance of using financial products and	
	services safely and securely.	
•	Explain the importance of managing expenses, income,	
	and savings.	
•	Explain the significance of approaching the	
	concerned authorities in time for any	
	exploitation as per legal rights and laws	
•	Show how to operate digital devices and use the	

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associate	d applications and featu	res, safely and		abox was - year was	
securely		•			
Discuss the second	he significance of using in	nternet for			
browsing	, accessing social media	platforms,			
safely and	d securely				
• Discuss th	he need for identifying o	pportunities for			
potential	business, sources for an	ranging money			
and pote	ntial legal and financial c	hallenges			
• Different	iate between types of cu	istomers			
• Explain th	ne significance of identify	ying customer needs			
and addr	essing them				
• Discuss the	he significance of mainta	ining hygiene and			
dressing	appropriately				
• Create a	biodata				
Use vario	ous sources to search and	l apply for jobs			
• Discuss the	he significance of dressin	g up neatly and			
maintaini	ing hygiene for an interv	iew			
• Discuss h	ow to search and registe	er for apprenticeship			
opportun	lities				
Classroom A	ids:				
Computer, p	rinter, projector, white b	ooard/ flip chart, marker	and duster		
Tools, Equip	ment and Other Require	ements			
• •	· -	ions – and Internet conne		•	-
•	•	and worksheet software	. , .		
		ersion below), UPS, Scan		er, Computer	Tables,
Computer Ch	nairs, LCD Projector, Whi	te Board 1200mm x 900r	nm		







Trainer Requirements

Trainer Prerequisites						
Minimum Educational	Specialization	Relevant Industry Experience		Training Experience		Remarks
Qualification		Year s	Specialization	Ye ar s	Specializatio n	
Post- Graduation/Graduati on in Engineering	M. Tech in Civil/B. Tech in civil	Half Year	Civil Engineering	0	Civil Engineering	As a pre- requisite for new entrant, no
Diploma	Diploma in Civil	One year	Civil Engineering	0	Civil Engineering	prior experience in training
Graduation/ Ex. Army /ITI /12 th pass	General B.A./B.Sc./ Graduation certificate from Army/ITI certificate in relevant trade/12 th pas	Two year s	Working as Construction fitter/ Fabrication domain /supervisory work of Fabrication domain	0	Working as Construction fitter/ Fabrication domain /supervisory work of Fabrication domain	/assessment is mandatory. However if someone with prior experience in requisite domain joins, experience will be measured in terms of relevant industry experience

Trainer Certification		
Domain Certification	Platform Certification	
Trainer- 70 % in each NOS of Qualification Pack "CON/Q1254 v 1.0" & 80% overall ,	Trainers - 70% in each NOS of Qualification Pack "MEP/Q2601, v2.0"and 80% overall.	







Assessor Prerequisites						
Minimum Educational	Specializat ion	Relevant Industry Experience		Training/Assessme nt Experience		Remarks
Qualification		Year s	Specializati on	Yea rs	Specializatio n	
Post- Graduation/Graduati on in Engineering	M. Tech in Civil/B. Tech in civil	One year	Civil Engineering	0	Civil Engineering	As a pre- requisite for new entrant, no prior
Diploma	Diploma in Civil	Two years	Civil Engineering	0	Civil Engineering	experience in training
Graduation/ Ex. Army /ITI /12 th pass	General B.A./B.Sc./ Graduatio n certificate from Army/ITI certificate in relevant trade/12 th pass	Thre e years	Working as Constructio n fitter/ Fabrication domain /supervisor y work of Fabrication domain	0	Working as Construction fitter/ Fabrication domain /supervisory work of Fabrication domain	/assessment is mandatory. However if someone with prior experience in requisite domain joins, experience will be measured in terms of relevant industry experience

Assessor Certification		
Domain Certification	Platform Certification	
Assessor- 70% in each NOS of Qualification Pack "CON/Q1254 v 1.0" & 80% overall	Assessor-80% in each NOS of Qualification Pack "MEP/Q2701 v2.0", and overall 80%	



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 Associate construction Fitter 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:

- 1. Knowledge assessment (theory/viva assessment)
- 2. Skill assessment (practical/hands-on skill assessment)

Mode of assessment

- 1. Demonstration/Practical for Performance /Skill Assessment
- 2. Synoptic multiple choice question test γ
- 3. Viva For Knowledge Assessment

Performance/skill assessment: The performance/skill assessment will be conducted through







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 Associate construction Fitter is summarized below

Assessment Type	Formative or Summative	Strategies	Weightage	Duration (hours)
Knowledge	Summative	MCQ/Viva	30	1.0
skill	Summative	Structured practical task	70	5.0

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 criteria under knowledge and skill. The criteria ensures 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).
(M) TLO	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.







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