



Model Curriculum

QP Name: False Ceiling and Drywall Installer

QP Code: CON/Q1107

QP Version: 2.0

NSQF Level: 4

Model Curriculum Version: 2.0

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 | Interior & Exterior Finishes |
| Country | India |
| NSQF Level | 4 |
| Aligned to NCO/ISCO/ISIC Code | NCO-2015/7122.9900 |
| 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 plus 1-year NTC/ NAC or 8th grade pass plus 2-year NTC plus 1 Year NAC/ relevant experience or 10th Grade Pass with 2 years relevant experience or 10th grade pass and pursuing continuous schooling or Previous relevant Qualification of NSQF Level 3.0 with minimum education as 5th Grade pass or Previous relevant Qualification of NSQF Level 3.5 |
| Pre-Requisite License or Training | NA |
| Minimum Job Entry Age | 18 Years |
| Last Reviewed On | 17/11/2022 |
| Next Review Date | 24/07/2024 |
| NSQC Approval Date | 22/08/2019 |
| QP Version | Version number 2.0 |
| Model Curriculum Creation Date | 17/11/2022 |
| Model Curriculum Valid Up to Date | 24/07/2024 |



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|---------------------------------------|--------------------|
| Model Curriculum Version | Version number 2.0 |
| Minimum Duration of the Course | 450 hrs. |
| Maximum Duration of the Course | 450 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.

- Demonstrate the preparatory work carried out prior to the installation of false ceiling and drywall.
- Mark perimeter for false ceiling work and for datum points by applying basic levelling techniques.
- Demonstrate installation of non-suspended flush jointed ceiling system.
- Demonstrate installation of suspended flush jointed ceiling system.
- Demonstrate installation of exposed grid suspended panel ceiling system.
- Demonstrate completion of preparatory activities prior to fixing of wall panels.
- Demonstrate fixing of wall panels as per specification.
- Demonstrate completion of preparatory activities prior to installation of partitions.
- Demonstrate erection of wall partitions as per specification.
- 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 prioritising of work activities in order to achieve the desired results.
- Demonstrate organising of resources prior to commencement of work.
- Identify various hazards at construction site.
- Use PPE's relevant to false ceiling and drywall installation works.
- Perform safe waste disposal at construction site.



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/N1120 Carry out preparatory works and leveling procedure for fixing false ceiling NOS Version No. 3.0 NSQF Level 4 | 18:00 hrs | 42:00 hrs | -- | -- | 60:00 hrs |
| Introduction to the job role False ceiling and dry wall installer. | 8:00 hrs | 00:00 hrs | -- | -- | 8:00 hrs |
| Demonstrate the preparatory works and levelling procedures carried out prior to installation of false ceiling. | 10:00 hrs | 42:00 hrs | -- | -- | 52:00 hrs |
| CON/N1121 Install flush jointed ceiling system at construction site NOS Version No. 3.0 NSQF Level 4 | 24:00 hrs | 51:00 hrs | -- | -- | 75:00 hrs |
| Demonstrate installation of non-suspended flush jointed ceiling system. | 12:00 hrs | 25:00 hrs | -- | -- | 37:00 hrs |
| Demonstrate installation of suspended flush jointed ceiling system. | 12:00 hrs | 26:00 hrs | -- | -- | 38:00 hrs |
| CON/N1122 Install exposed grid suspended panel ceiling system at construction site NOS Version No.3.0 NSQF Level 4 | 24:00 hrs | 51:00 hrs | -- | -- | 75:00 hrs |
| Demonstrate the installation of exposed grid suspended panel ceiling system at construction site | 24:00 hrs | 51:00 hrs | -- | -- | 75:00 hrs |
| CON/N1123 Install wall partitions and panels NOS Version No.3.0 NSQF Level 4 | 27:00 hrs | 63:00 hrs | -- | -- | 90:00 hrs |
| Demonstrate the fixing of wall panels as per specifications | 14:00 hrs | 32:00 hrs | -- | -- | 46:00 hrs |
| Demonstrate the installation of wall partitions as per specifications | 13:00 hrs | 31:00 hrs | -- | -- | 44:00 hrs |
| CON/N8001 Work effectively in a team to | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |



| | | | | | |
|--|-------------------|-------------------|----|----|-------------------|
| <i>deliver results at a construction site</i> NOS Version No.10.0 NSQF Level 3 | | | | | |
| Interact and communicate effectively with co-workers, superiors and sub-ordinates across different teams | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |
| CON/N8002 Plan and organize work to meet expected outcomes NOS Version No.7.0 NSQF Level 4 | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |
| Priorities activities and organize resources to meet desired outcome | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |
| CON/N9001 Work according to personal health, safety and environment protocol at construction site NOS Version No.8.0 NSQF Level 4 | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |
| Follow safety norms as defined by organization, adopt healthy and safe work practices | 09:00 hrs | 21:00 hrs | -- | -- | 30:00 hrs |
| DGT/VSQ/N0102: Employability Skills NOS Version No.1.0 NSQF Level 4 | 60:00 hrs | 00:00 hrs | -- | -- | 60:00 hrs |
| Employability Skills | 60:00 hrs | 00:00 hrs | -- | -- | 60:00 hrs |
| Total Duration | 180:00 hrs | 270:00 hrs | -- | | 450:00 hrs |



Module Details

Module 1: Introduction to the job role False ceiling and dry wall installer.

Mapped to CON/N1120

Terminal Outcomes:

- Explain the role and responsibilities of false ceiling and drywall installer.
- Identify the career progression options for false ceiling and drywall installer.

| Duration: 08:00 | Duration: 00:00 |
|---|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| <ul style="list-style-type: none">• Describe the role and responsibilities of a false ceiling and drywall installer.• Define the personal attributes required in interior and exterior finishes occupation.• Recall the basic terms used in interior and exterior finishes occupation.• Explain the career progression options of a false ceiling and drywall installer. | |
| Classroom Aids: | |
| Computer, printer, projector, white board/ flip chart, marker and duster | |
| Tools, Equipment and Other Requirements | |
| N/A | |



Module 2: Demonstrate the preparatory works and levelling procedures carried out prior to installation of false ceiling

Mapped to CON/N1120

Terminal Outcomes:

- Demonstrate the checks and preparatory work carried out prior to the installation of false ceiling and drywall.
- Mark perimeter for false ceiling work and for datum points by applying basic levelling techniques.

| Duration: 10:00 | Duration: 42:00 |
|---|---|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| <ul style="list-style-type: none"> • Interpret sketches for false ceiling works. • List the various tools and equipment such as broad knives, electric screw guns, hand and power drills, hand saws, scaffold planks, t squares, tapping knives, trestles and other relevant tools used for false ceiling works. • List the various materials such as beads cement render, fibre cement sheets, finishing materials, plaster compounds, plasterboard and other such relevant materials used for false ceiling works. • Explain the standard method of storing and stacking gypsum board, plasterboard and fibre board. • Describe different types of false ceiling including grid ceiling, gypsum board ceiling, fiber board ceiling, concealed ceiling, semi concealed ceiling, exposed grid, concealed grid, linear and open cell, metal firing, pan grid, other proprietary suspended ceilings. • Explain the process used for measuring and marking gypsum board for false ceiling installation. • Explain levelling and basic mathematical techniques associated with levelling. • Explain the characteristics, technical capabilities and limitations of various levelling tools such as a spirit level, straight edge, levelling with water tube, laser levelling devices and other such levelling tools. • Explain the processes for setting out and transfer of levels for fixing perimeter. • Explain the process of marking perimeter for false ceiling works. | <ul style="list-style-type: none"> • Perform checks for clearance for false ceiling works. • Demonstrate the checks performed to ensure stacking and alignment of false ceiling materials. • Demonstrate checks to ensure that board (gypsum, plaster, fiber board) is measured, marked and cut as per specification. • Demonstrate checks to confirm marking for brackets and perimeter as per specification for false ceiling installation. • Demonstrate checks to confirm the preparedness and safe erection of the access equipment, work platform and ladders. • Select tools and equipment to carry out levelling and marking for perimeter for false ceiling works. • Demonstrate checks on tools and equipment required to ensure serviceability for false ceiling work. • Demonstrate measurement of the ceiling to assess the ceiling for fixing false ceiling. • Demonstrate setting up of levelling device accurately and transfer of the specified levels as per specification. • Demonstrate marking of location of ceiling brackets/perimeter for false ceiling work, partitions and dry wall installation. |
| Classroom Aids: | |
| Computer, printer, projector, white board/ flip chart, marker and duster | |
| Tools, Equipment and Other Requirements | |
| Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, Spirit level, Pliers, Punch pliers, Paper cutting knife, Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, , Sanding tool, Dry wall saw, Hack saw, Hand saw, crew driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler, Clutch angle | |



Module 3: Demonstrate installation of non-suspended flush jointed ceiling system

Mapped to CON/N1121

Terminal Outcome:

- Interpret sketches, specifications and work instructions for fixing non suspended flush jointed ceiling
- Demonstrate installation of non-suspended flush jointed ceiling system as per drawing and specification.

| Duration: 12:00 | Duration: 25:00 |
|---|---|
| <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe advantage and suitability of flush jointed ceiling system. • Explain the importance of correct positioning of studs on side wall panels. • Describe the characteristics, quality, uses, limitations and defects associated with the material resources in relation to:- grid tiles, grid components, hangers, battens, braces, light fittings, grilles, insulation, panels, sealants, fixings and fittings. • Describe the hand and/or powered tools and equipment used for installation of non-suspended flush jointed ceiling system. • Describe the process of installation of non-suspended flush jointed ceiling system. • Explain various jointing compounds used for seamless finish of plasterboard. • Describe the process of providing cut out using appropriate tools. | <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Interpret sketches, specifications and work instructions for fixing non suspended flush jointed ceiling. • Demonstrate establishing of datum/levels and setting out of fixing points as per specifications, for fixing non suspended flush jointed ceiling system. • Demonstrate the process of marking and cutting plasterboard/gypsum board/fiber board to required shape as per drawing/specification. • Demonstrate marking for fixing of perimeter for installation of non-suspended flush jointed ceiling system. • Demonstrate fixing of various framing systems such as metal grid, steel furring, steel c-stud and resilient mounted furring channel as per specification • Demonstrate fixing of plasterboard directly to metal grid, steel furring, steel c-stud and resilient mounted furring channel as per specification. • Demonstrate process of providing control joints and cut out for services work as per specification. |
| <p>Classroom Aids:</p> <p>Computer, printer, projector, white board/ flip chart, marker and duster</p> | |
| <p>Tools, Equipment and Other Requirements</p> <p>Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, spirit level, Pliers, Punch pliers, Paper cutting knife, Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, Sanding tool, Dry wall saw, Hack saw, Hand saw, Screw driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler, Clutch angle, Utility knife</p> | |



Module 4: Demonstrate installation of suspended flush jointed ceiling system

Mapped to CON/N1121

Terminal Outcome:

- Interpret sketches, specifications and work instructions for fixing suspended flush jointed ceiling.
- Demonstrate installation of suspended flush jointed ceiling system as per drawing and specification.

| Duration: 12:00 | Duration: 26:00 |
|--|--|
| <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe advantage and suitability of flush jointed ceiling system. • Explain the importance of correct positioning of studs on side wall panels • Describe the characteristics, quality, uses, limitations and defects associated with material resources in relation to:- grid tiles, grid components, hangers, battens, braces, light fittings, grilles, insulation, panels, sealants, fixings and fittings.. • Describe the hand and/or powered tools and equipment used for installation of suspended flush jointed ceiling system. • Describe the process of installation of suspended flush jointed ceiling system. • Explain various jointing compounds used for joining and finishing plasterboard. • Describe the process of providing cut out using appropriate tools. | <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Interpret sketches, specifications and work instructions for fixing suspended flush jointed ceiling. • Demonstrate marking on the wall for fixing ceiling brackets and perimeter for suspended ceiling. • Demonstrate fixing of wall angles/perimeter channel to the wall as per specification. • Demonstrate fixing of metal ceiling angle strip from roof at specified points as per drawing/specification for suspended flush jointed ceiling systems. • Demonstrate connection of free ends of the metal ceiling angle strips to the perimeter channel using intermediate channels with metal-to-metal screws. • Demonstrate fixing and fitting of the ceiling sections and intermediate channels as per standard procedure. • Demonstrate fixing of plasterboards of the desired thickness to the ceiling sections • Demonstrate covering of joints and edges, provide cut out and finish the fixed board using appropriate compounds. |
| <p>Classroom Aids:</p> <p>Computer, printer, projector, white board/ flip chart, marker and duster</p> | |
| <p>Tools, Equipment and Other Requirements</p> <p>Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, spirit level, Pliers, Punch pliers, Paper cutting knife, Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, Sanding tool, Dry wall saw, Hack saw, Hand saw, Screw driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler, Clutch angle, Utility knife</p> | |



Module 5: Demonstrate the installation of exposed grid suspended panel ceiling system at construction site

Mapped to CON/N1122

Terminal Outcomes:

- Interpret sketches, specifications and work instructions for installation of exposed grid suspended panel ceiling.
- Demonstrate installation of exposed grid suspended panel ceiling system.

| Duration: 24:00 | Duration: 51:00 |
|---|---|
| <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Interpret sketches for false ceiling work. • Describe advantage and suitability of flush jointed ceiling system. • Explain the importance of correct positioning of studs on side wall panels. • Describe the characteristics, quality, uses, limitations and defects associated with material resources in relation to:- grid tiles, grid components, hangers, battens, braces, light fittings, grilles, insulation, panels, sealants, fixings and fittings. • Describe the hand and/or powered tools and equipment used for installation of exposed grid suspended panel ceiling system. • Describe the process of installation of suspended and fixed flush jointed ceiling system. • Explain various jointing compounds used for seamless finish in plasterboards. • Describe the process of providing cut out using appropriate tools. • Describe the different types of panels used for grid system ceiling. | <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Demonstrate measuring and marking on the wall for fixing ceiling brackets and perimeter for suspended ceiling. • Demonstrate marking and fixing of ceiling brackets and perimeter for suspended ceiling as per specification. • Demonstrate positioning and fixing of suspension brackets to the floor/roof structure. • Demonstrate marking and cutting of plasterboard as per required shape • Demonstrate installation of suspension bracket, main tees and cross tees by appropriate method as per specification. • Demonstrate installation of the outer cross tees on to the wall trim as per specifications. • Demonstrate positioning of grid on the bottom flanges of the grid main/cross tees. • Demonstrate the fixing of plasterboards as per specifications. • Demonstrate covering and finishing of joints and edges of plasterboards panels using appropriate compounds. |
| <p>Classroom Aids:</p> <p>Computer, printer, projector, white board/ flip chart, marker and duster</p> | |
| <p>Tools, Equipment and Other Requirements</p> <p>Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, Spirit level, Pliers, Punch pliers, Paper cutting knife Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, Sanding tool, Dry wall saw, Hack saw Hand saw, Screw driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler Clutch angle, Utility knife</p> | |



Module 6: Demonstrate the fixing of wall panels as per specification

Mapped to CON/N1123

Terminal Outcomes:

- Demonstrate completion of preparatory activities prior to fixing of wall panels.
- Demonstrate fixing of wall panels as per specification.

| Duration: 14:00 | Duration: 32:00 |
|--|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| <ul style="list-style-type: none"> • Interpret schematic drawings and sketches for dry wall installation works. • Describe specifications related to fixing of wall panels. • Describe the different types of joints to be used in frames including butt joint, mitre joints and others such joints used in frames. • Explain the process of measuring and marking for cutting panels. • Explain method statement for installation of wall panels. • Explain the importance of providing proper spacing between screws used for fixing panels. • Explain the precautions followed in fixing of wall panels. | <ul style="list-style-type: none"> • Select tools and materials as per the requirement of wall panel fixing. • Demonstrate checks to ensure that the ceiling and floor frame are fixed properly and spacing between frames is as per board dimension and layout. • Demonstrate checks to ensure the height of vertical frame and joints in the frames are as per specification. • Demonstrate checks to ensure boards are accurately marked and cut to the required dimensions. • Demonstrate checks to ensure proper spacing between bottom end of panel and floor. • Demonstrate checks to ensure additional support for fixing door frames /sockets/additional fixtures is provided in studs. • Demonstrate checks for ensuring installation of supporting structures for correct alignment of the panels. • Demonstrate fixing of horizontal and vertical panels as per specified method statement as well as following all precautions. • Demonstrate checks for alignment of panels and joints ensuring verticality of the end wall. • Demonstrate finishing of panel joints as per instructions. • Demonstrate checks to ensure that the infill and cladding panels are free from any distortions and joints are accurately aligned. |
| Classroom Aids: | |
| Computer, printer, projector, white board/ flip chart, marker and duster | |
| Tools, Equipment and Other Requirements | |
| Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, Spirit level, Pliers, Punch pliers, Paper cutting knife Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, Sanding tool, Dry wall saw, Hack saw Hand saw, Screw driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler | |



Clutch angle, Utility knife

Module 7: Demonstrate the installation of wall partitions and panels

Mapped to CON/N1123

Terminal Outcomes:

- Demonstrate completion of checks and preparatory activities prior to installation of wall partitions.
- Demonstrate erection of wall partitions as per specification.

| Duration: 13:00 | Duration: 31:00 |
|--|--|
| Theory – Key Learning Outcomes <ul style="list-style-type: none"> • Interpret schematic drawings and sketches for dry wall installation works. • Describe specifications related to fixing of wall partitions. • Describe the process of marking the line of partition and level on required surfaces. • Describe the process of levelling of floor prior to installation of partition. • Describe the method statement for installation of wall partitions. • Describe the importance of providing proper spacing between vertical joints of partitions. • Explain the need for correct positioning of wall partition prior to fixing. • Explain the process of checking the line and plumb of fixed section of partition. • Explain the dos and don'ts in fixing of wall partitions. • Carry out fixing of the vertical sections of partitions in line and plumb, level and line. | Practical – Key Learning Outcomes <ul style="list-style-type: none"> • Select tools and materials as per the requirement for fixing wall partition. • Demonstrate checks on walls, floors and other possible contact areas to ensure cleaning. • Demonstrate checks to ensure the line of partition and level on end wall or column, slab soffit and floor slab is marked as per approved shop drawings. • Demonstrate levelling of the floor prior to installation of the floor frame. • Demonstrate checks to confirm the proper fixing of ceiling and floor frame including height of vertical frame. • Demonstrate checks to ensure partition boards are accurately marked and cut to the required dimensions. • Demonstrate checks to ensure correct installation and alignment of supporting structures and partitions. • Demonstrate checks to ensure stud partitions and its bracing are fixed as per standard procedures. • Demonstrate fixing of wall partitions including fixing of the abutments, junction posts, head and floor frames in line and plumb as per drawing and method statement. • Demonstrate levelling and alignment of all members of wall partition after fixing. |
| Classroom Aids: | |
| Computer, printer, projector, white board/ flip chart, marker and duster | |
| Tools, Equipment and Other Requirements | |
| Measuring tape, Scale, Right angle, Dry wall T-Square, Framing square, Chalk line, pencil, Line dori, Plumb bob, Spirit level, Pliers, Punch pliers, Paper cutting knife Dry wall knife 12,6 and 4 inch, Dry wall Hammers, Taping knife, Sanding tool, Dry wall saw, Hack saw Hand saw, Screw driver set, Screw gun, Drill machine, Metal cutter, Silicon gun/caulk gun, Stapler Clutch angle, Utility knife | |



Module 8: 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: 9:00 | Duration: 21:00 |
|--|---|
| <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Interpret work sketches, false ceiling and dry wall installation works formats, permits, protocols, checklists etc. • Interpret scope of false ceiling and dry wall installation works. • Explain effect and benefit of timely actions relevant to false ceiling and dry wall installation works with examples. • Explain importance of team work and its effects relevant to false ceiling and dry wall installation works with examples. • Explain importance of proper and effective communication and its adverse effects in case of failure of proper communication. | <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • 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 false ceiling and dry wall installation works. • Demonstrate team work during assigned task. |
| <p>Classroom Aids:</p> <p>Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids</p> | |
| <p>Tools, Equipment and Other Requirements</p> <p>N/A</p> | |



Module 9: Prioritise activities and organise resources to meet desired outcome

Mapped to CON/N8002

Terminal Outcome:

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

| Duration: 9:00 | Duration: 21:00 |
|--|--|
| Theory – Key Learning Outcomes | Practical – Key Learning Outcomes |
| <ul style="list-style-type: none"> • 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. | <ul style="list-style-type: none"> • 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 10: 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 false ceiling and drywall installation works.
- Perform safe waste disposal at construction site.

| Duration: 9:00 | Duration: 21:00 |
|---|---|
| <p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Explain the types of hazards at the construction sites and identify the hazards specific to the false ceiling and dry wall installation 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 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. | <p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • 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 false ceiling and dry wall installation job. • Demonstrate vertigo test. • Demonstrate safe waste disposal practices followed at construction site. • Demonstrate safe housekeeping practices. |
| <p>Classroom Aids:</p> <p>Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety tags, Safety Notice board, registers and other teaching aids</p> | |
| <p>Tools, Equipment and Other Requirements</p> <p>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 board</p> | |



Module 11: Employability Skills (60 Hours)

Mapped to 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 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: 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 analyzing 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 Qualification | Specialization | Relevant Industry Experience | | Training Experience | | Remarks |
| | | Years | Specialization | Years | Specialization | |
| Post-Graduation/Graduation 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 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 | Diploma in Civil | Two years | Civil Engineering | 0 | Civil Engineering | |
| Graduation/ Ex. Army /ITI /12 th pass | General B.A./B.Sc./ Graduation certificate from Army/ITI certificate in relevant trade/12 th pass | Four years | Working as false ceiling and dry wall installer/Interior and Exterior finishes domain /supervisory work of Interior and Exterior finishes domain | 0 | Working as false ceiling and dry wall installer/Interior and Exterior finishes domain /supervisory work of Interior and Exterior finishes domain | |

| Trainer Certification | |
|---|--|
| Domain Certification | Platform Certification |
| Trainer -70 % in each NOS of Qualification Pack "False Ceiling and Drywall Installer CON/Q1107 v2.0" & 80% overall. | 80% in each NOS of Qualification Pack Trainer (VET and Skills) "MEP/Q2601 v2.0" and 80% overall. |



Assessor Requirements

| Assessor Prerequisites | | | | | | |
|--|--|------------------------------|--|--------------------------------|--|---|
| Minimum Educational Qualification | Specialization | Relevant Industry Experience | | Training/Assessment Experience | | Remarks |
| | | Years | Specialization | Years | Specialization | |
| Post-Graduation/Graduation in Engineering | M. Tech in Civil/B. Tech in civil | Two years | Civil Engineering | 0 | Civil Engineering | 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 | Diploma in Civil | Four years | Civil Engineering | 0 | Civil Engineering | |
| Graduation/ Ex. Army /ITI /12 th pass | General B.A./B.Sc./ Graduation certificate from Army/ITI certificate in relevant trade/12 th pass | Five years | Working as false ceiling and dry wall installer/Interior and Exterior finishes domain /supervisory work of Interior and Exterior finishes domain | 0 | Working as false ceiling and dry wall installer/Interior and Exterior finishes domain /supervisory work of Interior and Exterior finishes domain | |

| Assessor Certification | |
|---|---|
| Domain Certification | Platform Certification |
| Assessor 70% in each NOS of Qualification Pack "False Ceiling and Drywall Installer CON/Q1107 v2.0" & 80% overall | 80% in each NOS of Qualification Pack Assessor (VET and Skills) "MEP/Q2701 v2.0", and overall 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:

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
 3. 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 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). |
| 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 |
| | |