







Facilitator Guide







Sector Construction

Sub-Sector
Real Estate and Infrastructure
Construction

Occupation
Construction Painting

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Construction
Painter and
Decorator

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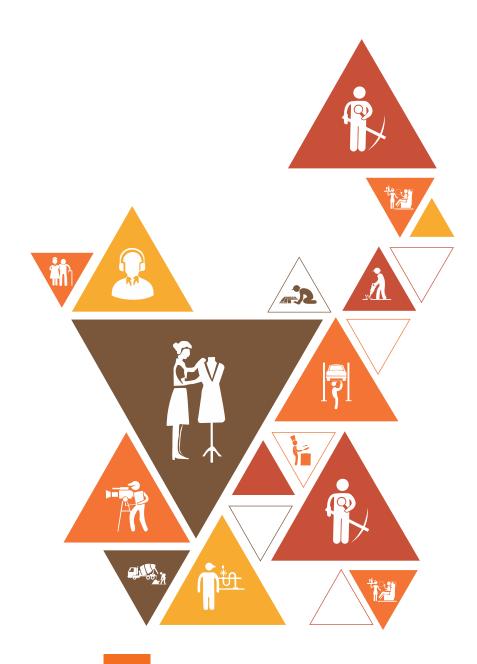




Skilling is building a better India.

If we have to move India towards development then Skill Development should be our mission.

Shri Narendra Modi Prime Minister of India



Acknowledgement -

We are thankful to all organizations and individuals who have helped us in the preparation of this Facilitator Guide. We also wish to extend our gratitude to all those who reviewed the content and provided valuable inputs for improving the quality, coherence and content presentation of chapters. This Facilitator Guide will lead to the successful rollout of the skill development initiatives, helping greatly our stakeholders particularly trainees, trainers and assessors etc. We are thankful to our Subject Matter Expert for the content and for helping us in the preparation of this Facilitator Guide.

It is expected that this publication would meet the complete requirements of QP/NOS based training delivery. We welcome suggestions from users, industry experts and other stakeholders for any improvement in future.

About this book

The objective of the guide is to provide an approach map for interacting with the trainees undergoing training in this job role. The course aims to provide both theoretical and practical knowledge to the trainees and also to guide them about Construction Painter and Decorator. The guide is neither a substitute nor a complete road map, but an aid to help to pass on the knowledge on all the aspects to the trainees in a systematic manner. It is expected that the trainer is fully conversant with all the contents of the guide. The guide is just to indicate how to proceed in covering a topic and includes some additional information that may be necessary for the trainer to develop better comprehension of the following aspects:

- Knowledge and Understanding: Satisfactory operational learning and comprehension to play out the required chore.
- Performance Criteria: Pick up the required aptitudes through hands-on preparation and play out the required operations inside the predetermined measures.
- Professional Skills: Capacity to settle on operational choices relating to the zone of work.

The job will also include judging comprehension and also help them learn more through hands-on training. But it has to be ensured that these are following the knowledge imparted and time spent on each unit. It is expected that irrespective of the region, knowledge of all aspects will be imparted to trainees.

Symbols Used





Time







Flaborate



Notes



Objectives



Do



Ask



Explain





Field Visit



Practical



Lab



Demonstrate



Exercise



Team Activity



Facilitation Notes



Learning Outcomes



Sav



Resources



Activity



Summary



Role Play



Example

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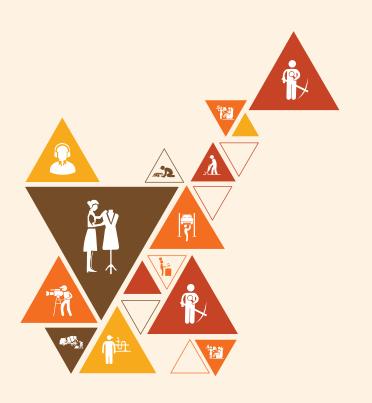




1. Introduction to the Job Role of a Construction Painter and Decorator

Unit 1.1 Introduction to Construction Painting

Unit 1.2 Role and Responsibilities of a Construction Painter and Decorator



Bridge Module

Key Learning Outcomes 🕎



At the end of this module, trainer will ensure that participant will be able to:

- 1. Explain role and responsibilities of construction painter and decorator.
- 2. Explain expected personal attributes required from this job role.
- 3. Explain about course content, mode of learning and duration of course.
- 4. Discuss future possible progression and career options for construction painter and decorator.

Unit 1.1 Introduction to Construction Painting

Unit Objectives | ©



By the end of this unit, participants will be able to:

1. Give an overview of the construction sector.

Resources to be used



- Available objects such as training kit trainer guide, presentations, whiteboard, marker, projector, laptop, video films, etc.
- PowerPoint slides, pictures/posters and videos depicting various information about the construction industry, types of construction, basic categories of construction projects, and market segments of the construction industry.



- In this session, we shall learn key facts about the construction industry, types of construction, basic categories of construction projects, and market segments of the construction industry.
- Let's begin with an ice-breaking session, introduce yourself and ask participants to introduce themselves.

Team Activity



- **Purpose:** This activity aims to familiarise the participants in the group with one another.
- **Tentative Duration: 15 Mins**
- **Procedure:**
 - 1. Ask the participants to pronounce their name with an adjective beginning with the initial letter of their name.
 - 2. Request that they additionally provide a brief introduction of themselves.
- Expected Outcome: The outcome of this activity is that the participants will become familiar with each other.



I hope everyone enjoyed our first activity and now let's move on to the topics covered in this session.

Ask



- What do you understand about the construction industry?
- Do you know how many types of construction are there?

Elaborate



With the help of audio-visual aids and the participant handbook, elaborate:

- Construction Industry
- Construction Industry in India
- Types of Construction
- **Construction Project Categories**
- Market Segments of the Construction Industry

Summarize 🗐



Show a PowerPoint presentation to the class on Construction Industry in India - https://www. slideserve.com/frieda/construction-sector-in-india-powerpoint-ppt-presentation and ask participants to note down the important points.



Let us now perform an activity based on various market segments of the construction industry.

Team Activity |



- **Purpose:** The objective of this activity is to introduce participants to the different market segments within the construction industry.
- Resources Required: Presentation materials (slides or handouts) explaining market segments in the construction industry, internet access or library resources for research, whiteboard or flip chart with markers, printed construction industry reports or data (optional but helpful), worksheets for students to complete during the activity.
- **Tentative Duration:** 60-90 minutes
- Methods/Procedure:
 - 1. Step 1: Introduction- Begin the activity by discussing the importance of understanding market segments in the construction industry. Explain that market segmentation helps professionals identify specialized opportunities and areas of expertise within the broader field of construction.
 - 2. Step 2: Presentation- Deliver a presentation on the different market segments within the

construction industry. Include information on residential construction, commercial construction, industrial construction, infrastructure development, and specializations like green building, renovation, and restoration. Use visual aids to make the information more engaging and accessible.

- 3. Step 3: Group Research- Divide the students into small groups and assign each group a specific market segment to focus on. Provide the groups with access to the internet or library resources to conduct research on their assigned market segment. They should explore the scope, current trends, major players, challenges, and potential career opportunities within their segment.
- 4. Step 4: Group Presentation- Each group presents their findings to the rest of the class. Encourage them to use visuals, statistics, and examples to support their presentation. Allow for a short Q&A session after each presentation to clarify doubts and exchange insights.
- 5. Step 5: Reflection and Discussion- Lead a class discussion to debrief the activity. Encourage students to share their thoughts on which market segments they find most appealing and why. Discuss the skills and qualifications required for different market segments and how students can prepare to excel in their chosen area.
- **Expected Outcome:** By the end of this classroom activity, students are expected to:
 - 1. Understand the concept of market segmentation in the construction industry.
 - 2. Identify the various market segments within the construction field, including residential, commercial, industrial, infrastructure, and specialized sectors.
 - 3. Analyze the characteristics, opportunities, and challenges associated with each market segment.
 - 4. Gain insights into potential career paths and specialization options within the construction industry.
 - Reflect on their interests and skills to make informed decisions about their vocational course and future career goals in construction.



Did you think the activity improved your understanding? I'm hoping now you have a better idea of the various market segment of the construction industry.

Summarize | 9

- Note down the important points related to the construction industry, types of construction, and various market segments.
- Revise these points with the participants.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topics
- Arrange audio-visual aids for a better understanding of the topics.
- Ask the participants if they have any questions.

•	Encourage every participant to answer those questions and encourage peer learning in the class.

Notes —			
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Unit 1.2 Role and Responsibilities of a Construction Painter and Decorator

Unit Objectives | 6 | -



By the end of this unit, participants will be able to:

- 1. Explain role and responsibilities of construction painter and decorator.
- 2. Explain expected personal attributes required from this job role.
- 3. Discuss future possible progression and career options for construction painter and decorator.

Resources to be used



- Available objects such as training kit trainer guide, presentations, whiteboard, marker, projector, laptop, video films, etc.
- PowerPoint slides, pictures/posters and videos depicting various information about the role and responsibilities, personal attributes, and career path of a construction painter and decorator.



In this session, we shall learn key facts about the role and responsibilities, personal attributes, and career path of a construction painter and decorator.

Ask ask



- What do you know about the job role of a construction painter and decorator?
- Do you know the career opportunities available for a construction painter and decorator?

Elaborate |



With the help of audio-visual aids and the participant handbook, elaborate:

- Introduction to the job role of Construction Painter and Decorator
- Responsibilities of a construction painter and decorator
- Personal Attributes required by a construction painter and decorator
- Career Path of a construction painter and decorator



Let us now perform an activity based on various career opportunities available for a construction painter and decorator.

Team Activity



- Purpose: Familiarize participants with diverse employment opportunities for a construction painter and decorator, highlighting roles, responsibilities, and potential career paths.
- **Resources Required:** PowerPoint Presentation, Handouts or printouts of job descriptions.
- **Tentative Duration:** 60 Mins
- Procedure:
- Explain the importance of a construction painter and decorator in the construction industry.
- Emphasize the objective of exploring employment opportunities in the industry.
- Encourage participants to share their initial thoughts on the roles and responsibilities of a construction painter and decorator.
- Provide handouts or printouts of various employment opportunities in the construction industry as per different NSQF Levels.
- Discuss each opportunity, highlighting roles, responsibilities, and required skills.
- Divide participants into small groups.
- Assign each group a specific employment opportunity to discuss key aspects, qualifications, skills, and career progression.
- Now ask each group to provide a short researched explanation of the opportunity assigned.
- Summarize key points, emphasizing the range of career paths and the importance of a construction painter and decorator.

Expected outcome: Participants gain awareness of the wide range of employment opportunities in the construction industry, understand the specific roles and responsibilities of a construction painter and decorator, and will be inspired to explore potential career paths within the field.



There are various career opportunities available for a construction painter and decorator, I'm hoping now you have a better idea of them.

Summarize 9



- Note down the important points related to the role and responsibilities, personal attributes, and career path of a construction painter and decorator.
- Revise these points with the participants.

Notes for Facilitation

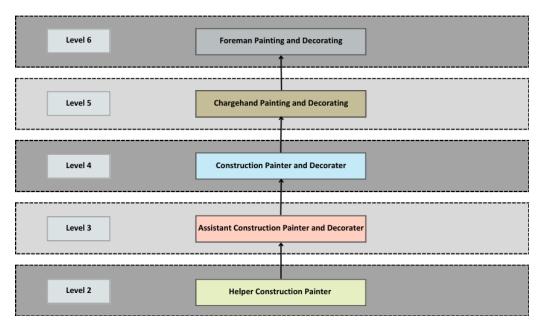
- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Exercise



Key Solutions to PHB Exercise

1



2.

- At any construction site, the painter plays a vital role as follows:
- Apply paint to various surfaces like metal, wood or masonry
- Mix, match, and apply paint, varnish, shellac, enamel and other finishes.
- Scrape, prime, or seal surfaces prior to painting.
- Clean walls to ensure proper adherence.
- Cover surfaces with cloth or plastic to ensure protection.
- Calculate amounts of required materials and estimate costs.
- Remove fixtures such as pictures, doorknobs, lamps and electric switch covers prior to painting.
- Apply several coats according to paint directions.
- Apply touch-ups or second coats.
- Remove paint splatters when finished.
- Clean up all equipment, including brushes and spray guns.
- Work on ladders to reach high ceilings or walls

- 3.
- Ability to work in a well-organized and accurate manner
- Awareness of safety issues, especially when working at heights
- Ability to work as a part of team
- A good level of fitness
- Awareness of personal hygiene
- Hard working and reliable
- Courteous and dedicated
- Good Communication Skills.
- 4.
- Building Construction
- Industrial Construction
- Infrastructure Construction

Notes ——		





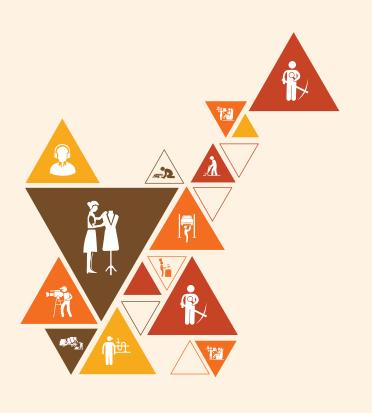






2. Generic Mathematical Skills

Unit 2.1 – Basic principles of measurement, geometry and arithmetic calculation



(CON/N0505)

Key Learning Outcomes

At the end of this module, you will be able to:

- 1. Apply the basic principles of measurement, geometry and arithmetic calculation relevant to painting work.
- 2. Roughly estimate paint requirement by measuring the surface.

Unit 2.1 Basic Principles of Measurement, Geometry and **Arithmetic Calculation**

Unit Objectives ©



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Apply the basic principles of measurement, geometry and arithmetic calculation relevant to painting work.
- 2. Roughly estimate paint requirement by measuring the surface.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about units measurement and arithmetic calculations used in construction painting works.



In the previous session, we discussed roles and responsibilities of Construction painter and decorator. In this session, we shall learn about basic principles of measurement, geometry and arithmetic calculation relevant to painting work and paint estimation.

Ask ask



- How does geometry play a role in painting work and estimation?
- Can you provide an example of a geometric shape commonly encountered in painting projects?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Different System of Measurement
- **Basic Mathematical Calculations**
- Measurement of Paint Area and Paint Requirement

Activity - 1



- **Topic:** Surface Area Calculation and Paint Estimation Simulation
- Purpose: To provide hands-on experience in calculating surface area and estimating paint requirements for various surfaces.
- **Resources:** Sample surface dimensions (walls, ceilings), paint coverage rates.
- **Tentative Duration:** 60 min
- **Procedure:**
 - Divide students into pairs.
 - Distribute cards with different surface dimensions (length and height) to each pair.
 - Instruct each pair to calculate the surface area of their given dimensions using the appropriate geometry formula.
 - Provide a range of paint coverage rates for different types of surfaces (e.g., smooth walls, textured walls).
 - Ask students to estimate the amount of paint required for their surfaces using the calculated area and selected paint coverage rate.
 - Have pairs compare their estimates and discuss any differences, highlighting the impact of coverage rate on paint estimation.
 - Conduct a class discussion to share findings and strategies used for estimation.

Expected Outcome: Students will enhance their understanding of surface area calculations and how different factors affect paint estimation, preparing them for practical painting projects.



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now? Let us do another activity.

Activity - 2



- **Topic:** Unit Measurement Test: Construction Painting
- Instructions: Solve the following unit measurement problems related to construction painting using units commonly used in India. Show your work and write down your final answers with appropriate units.

- **a. Surface Area Calculation:** You have a rectangular wall with a length of 4.5 meters and a height of 2.4 meters. Calculate the total surface area that needs to be painted.
- **b.** Paint Coverage Calculation: A can of paint covers an area of 37.16 square meters. How many cans of paint will be needed to cover a wall that has an area of 111.48 square meters?
- c. Volume Calculation: You're painting a cylindrical water tank with a diameter of 1.8 meters and a height of 3.05 meters. Calculate the volume of paint required to paint the entire tank. (Use $\pi = 3.14$)
- **d. Dilution Calculation:** You need to dilute 7.5 liters of paint with a ratio of 1:4 (1 part paint to 4 parts thinner). How much thinner should you add?
- **e.** Cost Estimation: The cost per liter of paint is ₹150. Estimate the total cost of paint required to paint four walls, each with an area of 30 square meters.
- **f. Conversion Challenge:** Convert 5 feet to meters. (1 foot = 0.3048 meters)
- **g. Gradient Calculation:** You're painting a sloped roof with a vertical rise of 1.5 meters and a horizontal run of 4.5 meters. Calculate the slope of the roof.
- **h. Tape Length Calculation:** You're masking the edges of a door that is 0.9 meters high and 0.6 meters wide. Calculate the total length of tape needed to mask all four sides of the door.
- i. Temperature Conversion: Convert 30 degrees Celsius to Fahrenheit using the formula: $F = (C \times 9/5) + 32$
- j. Weight Conversion: Convert 75 kilograms to pounds. (1 kilogram = 2.20462 pounds)
- Answers:
 - 21.6 sqm
 - 3 cans
 - 16.561 cubic meters
 - 30 litres of thinner
 - ∘ ₹18,000
 - 1.524 meters
 - Slope = 1/3
 - 3 meters
 - ° 86 °F
 - o 165.3475 pounds

Say



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Ask ask



- Have you established quality standards for the painting work (e.g., even coverage, no drips)?
- How will you ensure that the painting work meets these standards?

Exercise



Key Solutions to PHB Exercise

- 1.
- a. Area Calculation
- a. Volume Calculation
- b. Paint Coverage Calculation
- c. Dilution Calculation
- d. Cost Estimation
- e. Tape and Masking Calculation
- f. Conversion Calculations
- g. Gradient and Slope Calculations
- h. Differentiate between metric system and inch system.
- 2. Differentiate between metric system and inch system.

Metric System		Inch System		
i.	It is based on meter as the standard unit of measurement.	i.	It is based on the foot as the standard unit of measurement.	
ii.	A meter contains 10 equal parts called a decimeter.	1.	A foot is divided into 12 similar parts called inches.	
iii.	Decimeter is divided into 10 parts called centimeters and a centimeter is divided into 10 parts called millimeters.	2. 3.	Inch system does not have the decimal based benefit of the Metric System. Fractions of foot cannot be written as	
iv.	Most usually used system of measurement in the world	4.	decimal inches. For example, in the metric system, 5 millimeters = 0.5 centimeters = 0.05 decimeters = 0.005 meters. But 5 inches = 0.416667 which is feet = 0.138889 yards and so on.	

3.

- a. 48 m²
- b. 10-12 m²
- c. 3 feet

Notes —			
-			







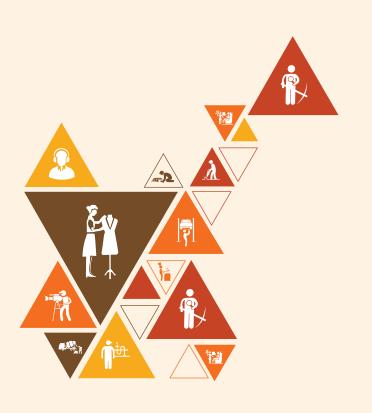




3. Painting Tools and Materials

Unit 3.1 – Tools and materials used in painting works

Unit 3.2 – Storing and handling of painting tools and materials



(CON/N0505)

Key Learning Outcomes 🙄

At the end of this module, trainer will ensure that the participant will be able to:

- 1. Know about the painting tools
- 2. Know about accessories required during painting works
- 3. Discuss about the colorants and paint materials
- 4. Know about how to store painting tools and materials properly.
- 5. Know about how to handle painting tools and materials.

Unit 3.1 Tools and Materials Used in Painting Works

Unit Objectives | ©



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Know about the painting tools
- Know about accessories required during painting works.
- 3. Discuss about the colorants and paint materials

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about units measurement and arithmetic calculations used in construction painting works.



In the previous session, we discussed basic principles of measurement, geometry and arithmetic calculation relevant to painting work and paint estimation. In this session, we shall learn about different painting tools, painting materials and mixing ingredients, and power tools.

Ask



- How familiar are you with painting tools and materials?
- What do you hope to learn or gain from this session on painting tools and materials?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Tools and Accessories Required For Painting Work
- Different painting materials and mixing ingredients
- Materials Required For Painting

Activity - 1



- Topic: Exploring Painting Tools and Mixing Painting Materials
- **Purpose:** This activity aims to familiarize participants with different painting tools and materials used in the painting process. Participants will gain hands-on experience in handling various painting tools, understand their functions, and learn the process of properly mixing painting materials.

Resources:

- Various painting tools (brushes, rollers, painting buckets, stirrers, scrapers, sandpapers, putty blades, etc.).
- Different types of paints, primers, base colors, tint bases, colorants, varnishes, and enamels.
- Mixing containers and palette.
- Surfaces for practice (small boards, paper, or cardboard).
- Tentative Duration: 60-90 minutes

• Procedure:

- Introduction and Overview:
 - Start by introducing the activity's purpose: to explore different painting tools and understand the process of mixing various painting materials.
 - Briefly discuss the importance of using the right tools and materials for achieving desired painting results.
- Painting Tools Exploration:
 - Display a variety of painting tools, such as brushes, rollers, painting buckets, stirrers, scrapers, sandpapers, putty blades, etc.
 - Explain the purpose of each tool, how they are used, and their specific functions in the painting process.
- Hands-On Tool Practice:
 - Divide participants into smaller groups.
 - Distribute different painting tools to each group.
 - Instruct participants to practice using the tools on provided surfaces. For example, they can experiment with brush strokes, roller application, and scraping, sanding, and putty application.
- Paint Mixing Demonstration:
 - Explain the different types of paints and materials used in painting (paint, primer, base color, tint base, colorants, varnishes, enamel).
 - Discuss the importance of proper mixing to achieve consistent colors and textures.

- Hands-On Paint Mixing:
 - Provide participants with different types of paints, primers, colorants, etc.
 - Guide participants through the process of mixing different ingredients to create various paint colors and textures.
 - Encourage participants to experiment with different ratios to achieve desired shades and consistencies.
- Group Discussions and Comparisons:
 - Bring the groups together for a discussion.
 - Ask each group to share their experiences with different painting tools and the results of their paint mixing experiments.
 - Facilitate a comparison of techniques, colors achieved, and challenges faced.
 - Conclusion:
 - Summarize the key takeaways from the activity, emphasizing the importance of using the right tools and materials for successful painting projects.
 - Highlight the practical skills gained in handling painting tools and the knowledge acquired in mixing different painting materials.
- Expected Outcome:
 - By the end of this activity, participants should have a better understanding of different painting tools, their functions, and practical experience in using them. They will also be familiar with the process of mixing various painting materials to achieve desired colors and textures. Participants will gain confidence in their ability to select appropriate tools and materials for different painting projects.

Say



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Activity - 2



- Field Visit Activity: Exploring Power Tools in Construction Painting Works
- Purpose: The purpose of this field visit activity is to provide participants with first-hand experience
 and knowledge of power tools used in construction painting works. Participants will have the
 opportunity to observe, handle, and learn about various power tools used for efficient and
 effective painting tasks.
- Location: A construction site or workshop where painting works are actively being carried out.
- **Tentative Duration:** Half-day (4-5 hours)
- Resources:
 - Experienced painter or supervisor familiar with power tools.
 - Various power tools used in painting, such as paint sprayers, paint mixers, sanders, paint

removers, and heat guns.

Safety equipment (personal protective equipment - PPE) for all participants.

Procedure:

- Introduction and Safety Briefing:
 - Start with an introduction to the field visit activity and its objective: to explore power tools used in construction painting works.
 - Conduct a safety briefing, emphasizing the importance of wearing appropriate PPE during the field visit.
- Overview of Power Tools:
 - Begin with an overview of the different power tools used in construction painting, such as paint sprayers, mixers, sanders, and other relevant tools.
 - Explain the functions and advantages of each power tool in enhancing the efficiency and quality of painting tasks.
- Observation and Demonstration:
 - Lead participants to the active painting site or workshop.
 - Observe a skilled painter or supervisor demonstrating the proper usage of different power tools.
 - Highlight safety precautions, correct techniques, and tips for achieving optimal results.
- Hands-On Experience:
 - Divide participants into smaller groups.
 - Assign each group to a specific power tool station.
 - Under the supervision of the experienced painter or supervisor, allow participants to use and operate the power tools themselves.
- Rotational Stations:
 - Rotate the groups through different power tool stations, ensuring that each group gets hands-on experience with multiple power tools.
- Guided Practice and Q&A:
 - Facilitate guided practice sessions where participants can ask questions, seek guidance, and receive feedback on their use of power tools.
 - Encourage participants to share their experiences and insights with the group.
- Safety Focus:
 - Conduct a discussion on the importance of safety when working with power tools, including proper handling, maintenance, and protective measures.
- Benefits and Challenges Discussion:
 - Gather all participants for a group discussion.
 - Ask participants to share their observations on the benefits and challenges of using power tools in painting works.
- Wrap-Up and Reflection:

- Summarize the key takeaways from the field visit, emphasizing the role of power tools in enhancing efficiency and quality in construction painting.
- Invite participants to reflect on how they can apply this knowledge in their future painting projects.
- **Expected Outcome:** By the end of this field visit activity, participants should have gained firsthand experience in using power tools for construction painting works. They will understand the functions, benefits, and challenges associated with different power tools and will be better equipped to select and operate these tools effectively in their painting projects.

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

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Unit 3.2 Storing and Handling of Painting Tools and Materials

Unit Objectives | ©



At the end of this unit, trainer will ensure that participant will be able to:

- Know about how to store painting tools and materials properly.
- Know about how to handle painting tools and materials

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about methods related to handling and storing painting tools and materials.



In the previous session, we discussed different painting tools, painting materials and mixing ingredients, and power tools. In this session, we shall learn about various practices adopted to store painting tools and materials and handing them.



- What are some common painting tools and materials that require proper storage?
- Can you share any challenges you've faced regarding tool and material organization and storage in your previous projects?
- What do you think are the key benefits of organized tool and material storage in painting projects?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Storing painting tools and materials
- Handling painting tools and materials

Activity - 1



- **Topic:** Storing and Handling of Painting Tools and Materials
- **Purpose:** The purpose of this activity is to educate participants about proper practices for storing and handling painting tools and materials. Participants will learn how to maintain the longevity and quality of tools and materials, ensuring they are ready for use in painting projects.

Resources:

- Presentation materials (slides, images) on proper storing and handling of painting tools and materials
- Examples of common painting tools (brushes, rollers, scrapers) and materials (paint cans, paint trays).
- Visual aids illustrating correct storage techniques.
- **Tentative Duration:** 60-90 minutes

Procedure:

- Introduction and Importance:
 - Begin with an introduction to the activity, explaining its purpose: to understand the significance of proper storage and handling of painting tools and materials.
 - Discuss the benefits of maintaining tools and materials in good condition, including cost savings and better painting results.
- Presentation on Storing and Handling:
 - Conduct a presentation on the importance of storing and handling painting tools and materials correctly.
 - Cover topics such as the impact of improper storage on tool performance, material contamination, and safety risks.
- **Proper Storage Techniques:**
 - Introduce different types of painting tools and materials.
 - Discuss specific storage requirements for each type, such as hanging brushes to prevent bristle deformation and storing paint cans upside down to prevent air exposure.
- Interactive Discussion:
 - Facilitate an interactive discussion on participants' experiences with storing and handling painting tools and materials.
 - Encourage participants to share challenges they've faced and any techniques they've found effective.
- Demonstration of Correct Handling:
 - Demonstrate the proper handling techniques for painting tools and materials, including how to hold brushes and rollers, pour paint from a can, and mix paint thoroughly.

- Hands-On Practice:
 - Provide participants with painting tools and materials.
 - Instruct them to practice proper handling techniques, such as loading a roller with paint and using brushes with the correct grip.
- Storing Techniques for Materials:
 - Explain how to store paint cans, paint trays, and other materials to prevent contamination, drying out, and spillage.
 - Share tips on labeling paint cans with relevant information for future use.
- · Group Sharing:
 - Divide participants into groups and assign each group a specific painting tool or material.
 - Ask each group to present their assigned tool or material and share the best practices they learned for storing and handling it.
- Q&A Session:
 - Open the floor for questions from participants about specific tools, materials, or techniques for proper storing and handling.
- Conclusion:
 - Summarize the key takeaways from the activity, highlighting the importance of maintaining painting tools and materials for optimal performance and safety.
 - Reinforce participants' understanding of how proper storage and handling contribute to successful painting projects.
- **Expected Outcome:** By the end of this activity, participants should have a better understanding of the significance of proper storing and handling of painting tools and materials. They will have learned specific techniques for storing various tools and materials to ensure their longevity and effectiveness. Participants will feel more confident in their ability to maintain tools and materials in good condition, resulting in improved painting outcomes.

Say

Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation

- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Exercise



Key Solutions to PHB Exercise

1.

- Generally there are three types of bristles:
- Synthetic Bristle
- Natural Bristle
- Combined synthetic and natural bristle

2.

- Paint
- Primer
- Putty
- Varnish
- Wood filler
- Cleaning solution
- Thinner

3.

- Paint brush
- Rollers
- Step ladder
- Sand paper
- Putty knife or scraper

4.

- Store paints, varnishes, thinners, etc. according to their flammability characteristics.
- The storage area where the paints are stored should be properly ventilated in order to avoid accumulation of flammable vapours
- The areas of paint storage and application must be free from any and all sources of ignition such as open flames, smoking etc.
- At the end of each workday or at the end of each work shift always collect, store, and remove
 combustible waste products. The waste and residue should always be disposed in closed
 containers made from metal or any other material that will not catch fire easily. All waste and
 residue including spills should be removed on high priority as they pose a danger of fire hazard.
- Keep floors clear of tools and portable equipment to avoid injury. Always secure tools, materials and equipment where a tripping hazard exists.

Make sure to always use PPE while handling painting tools and materials.

5.

The different types of brush's sizes available are:

- 25mm
- 50mm
- 75mm
- 100mm -150mm

Notes —			
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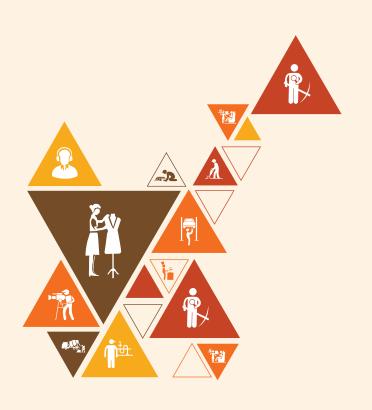






4. Application of Paint on Masonry Surface

Unit 4.1 – Application of paint on masonry surface



(CON/N0505)

Key Learning Outcomes 👸



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Interpret sketches and working drawings for painting works
- 2. Describe various methods of surface preparation
- 3. Describe the checks to be carried out for visual inspection of area prior to and after the painting work
- 4. Demonstrate mixing of different painting materials and mixing ingredients (such as paint, primer, base colour, tint base, colorants, varnishes, enamel, etc.)
- 5. Demonstrate the application of primer coat and final coat using OBD, acrylic and emulsion paint as per specification
- 6. Demonstrate application of tackifier solvents for recoat work
- 7. Demonstrate the various checks conducted prior to, during and after painting works to ensure its quality
- 8. Demonstrate cleaning of surface of each dried coat appropriately before application of the subsequent coat

Unit 4.1 Application of Paint on Masonry Surface

Unit Objectives | ©



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Interpret sketches and working drawings for painting works
- 2. Describe various methods of surface preparation
- 3. Describe the checks to be carried out for visual inspection of area prior to and after the painting work
- 4. Demonstrate mixing of different painting materials and mixing ingredients (such as paint, primer, base colour, tint base, colorants, varnishes, enamel, etc.)
- 5. Demonstrate the application of primer coat and final coat using OBD, acrylic and emulsion paint as per specification
- 6. Demonstrate application of tackifier solvents for recoat work
- 7. Demonstrate the various checks conducted prior to, during and after painting works to ensure its quality
- 8. Demonstrate cleaning of surface of each dried coat appropriately before application of the subsequent coat

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about the process and practices involved in applying paints on masonry surfaces.



In the previous session, we practices adopted to store painting tools and materials and handing them. In this session, we shall learn about the process of applying paints on masonry surfaces, tips and housekeeping practices.



- Are you aware of the different types of paints commonly used for masonry surfaces?
- What do you think are some key factors to consider before starting a painting project on masonry surfaces?

Notes for Facilitation



- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Sketches and working drawings for painting works
- Surface preparation
- Process of painting masonry surfaces
- Housekeeping and maintenance work

Activity - 1



- Topic: Sketches and working drawings for painting works
- Purpose: This activity aims to enhance participants' ability to interpret and understand sketches
 and working drawings related to painting projects. By delving into the details of these drawings,
 participants will gain in-depth insights into the painting process and the technical aspects involved.

Resources:

- Various sketches and working drawings depicting painting projects (walls, surfaces, textures, color schemes, etc.).
- Projector or display setup for sharing drawings with the class.
- Worksheets or handouts for participants to analyze and annotate.
- Tentative Duration: 90 minutes

• Procedure:

- Introduction:
 - Start the session by explaining the importance of interpreting sketches and working drawings accurately in painting projects.
 - Highlight how these drawings provide crucial information for project planning, execution, and communication among stakeholders.
- Overview of Drawings:
 - Provide an overview of different types of sketches and working drawings typically used in painting projects, such as elevation views, color schemes, surface textures, and cross-sections.
- Group Analysis:
 - Divide participants into small groups.

- Distribute different sets of sketches and working drawings to each group.
- Instruct each group to carefully examine and analyze the drawings, noting details such as dimensions, color codes, surface textures, and any special instructions.

Detailed Annotation:

- Ask each group to annotate their assigned drawing, highlighting key elements and relevant information.
- Encourage participants to discuss within their groups and interpret the drawing's implications for the painting process.

Group Presentation:

- Have each group present their assigned drawing to the class.
- Allow them to explain their annotations, interpretations, and the insights they gained from the drawing.
- Encourage discussions and questions from the rest of the class.
- Comparison and Discussion:
 - Facilitate a class discussion comparing the different interpretations of the same drawing by different groups.
 - Discuss the importance of collaboration and a thorough understanding of drawings in ensuring a successful painting project.

Real-Life Scenario:

- Share a real-life example of a painting project's sketches and working drawings.
- Walk participants through the process of how these drawings were used in planning and executing the project.
- Interactive Activity:
 - Engage participants in an interactive activity where they work together to create a basic sketch and drawing for a hypothetical painting project.
 - Emphasize the key elements that need to be included and how each element contributes to the project's success.
- Q&A and Recap:
 - Open the floor for participants to ask questions and clarify any doubts related to interpreting drawings.
 - Summarize the main takeaways from the activity and emphasize the importance of meticulous drawing analysis in painting projects
- Expected Outcome: Participants will develop a deeper understanding of interpreting sketches and working drawings for painting projects. They will learn how to extract crucial information from these drawings and apply their insights to real-world painting scenarios, thereby enhancing their overall proficiency in the field

Say 🕞

Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Activity - 2



- **Topic:** Surface Preparation for Masonry Surfaces
- **Purpose:** This practical activity is designed to provide participants with hands-on experience in properly preparing masonry surfaces for painting. Surface preparation is a critical step to ensure paint adhesion and a smooth finish.

• Resources:

- Masonry surfaces (concrete walls, blocks, or other suitable surfaces).
- Painting tools (scrapers, wire brushes, sandpaper, etc.).
- Cleaning materials (water, mild detergent, rags).
- Primer or sealer (optional, for demonstration purposes).
- Safety gear (gloves, safety glasses, masks).
- Tentative Duration: 60-75 minutes

• Procedure:

- Introduction:
 - Begin by explaining the importance of surface preparation in achieving a durable and visually pleasing paint finish on masonry surfaces.
 - Highlight how proper preparation ensures better paint adhesion, minimizes imperfections, and extends the lifespan of the paint job.

Demonstration:

- Perform a demonstration of the surface preparation process on a section of the masonry surface.
- Use tools such as scrapers, wire brushes, and sandpaper to show how to remove loose paint, dirt, debris, and imperfections from the surface.
- If applicable, demonstrate the application of a primer or sealer to showcase the importance of sealing porous surfaces.
- Hands-on Activity:
 - Divide participants into smaller groups.
 - Provide each group with a designated masonry surface area for preparation.
 - Distribute painting tools and cleaning materials to each group.
- Surface Preparation:
 - Instruct participants to begin preparing the masonry surface by removing loose paint, dirt, and debris using appropriate tools.
 - Encourage participants to work collaboratively, using techniques demonstrated during the introduction.

- Cleaning Process:
 - Demonstrate the proper cleaning process using water and mild detergent to remove any remaining dust or residue from the surface.
 - Explain the importance of a clean and dry surface before applying paint.
- Discussion and Reflection:
 - After completing the activity, gather participants for a group discussion.
 - Ask participants to share their observations, challenges encountered, and lessons learned during the surface preparation process.
- **Q&A Session:**
 - Open the floor for participants to ask questions and seek clarification on any aspects of surface preparation.
- Recap and Takeaways:
 - Summarize the key points of the activity, emphasizing the significance of thorough surface preparation in achieving a successful paint job.
 - Highlight the importance of safety measures and proper use of tools during the process.
- Expected Outcome: Participants will gain practical experience in surface preparation techniques for masonry surfaces before painting. They will develop a better understanding of the steps involved, the tools required, and the importance of meticulous preparation to ensure a professional and long-lasting paint finish.



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Exercise



Key Solutions to PHB Exercise

- 1.
- Architectural Plans
- ii. Elevation Drawings
- iii. Section Drawings
- iv. Detail Drawings
- v. Sectional Details
- vi. Mock-Up Drawings
- vii. Safety and Access Drawings
- viii. Specifications and Note
- ix. Weather and Temperature Guidelines
- 2.

Masonry surfaces are of three types:

Brick/block surface

Concrete surface

Plaster Surface

- 3. Explain the process for painting masonry surfaces in brief.
 - Step 1: Gather Materials and Tools
 - Step 2: Prepare the Surface
 - Step 3: Prime the Surface
 - Step 4: Patch and Repair
 - Step 5: Painting
 - Step 6: Applying Additional Coats
 - Step 7: Finishing Touches
 - Step 8: Cleaning and Maintenance
- 4.
- Remove masking when finished. For a clean edge, pull the tape off the wall at a 90 degree angle. If there are more than two coats, re-masking is needed; otherwise, despite being cut cleanly by the tape the paint layers may tear in a ragged fashion.
- If paint splatters or runs onto baseboards and other surfaces, use a wet sponge or cloth to clean it immediately. Oil based paints can be cleaned by paint thinners, while water based paints can be washed away by water.
- Having finished painting, clean the tools properly so that the paint in them does not dry up and make the tool useless
 - Make sure to clean paint applicator (brush, roller, etc.) to remove up as much retained paint as possible.

- When working with water based paints, simply immerse the tool into water, take out the tool and squeeze the water out of it. This will remove the paint and water from the tool. Allow the tool to dry completely before reuse
- The tools should be wrapped in plastic or kept submerged in the paint in order to prevent drying.
- If the tools cannot be cleaned right away, they should be kept immersed in water so that the paint in them does not dry and render the tool useless.
- Use thinner instead of water to clean tools and hands while working on oil-based paints.

Notes ———		





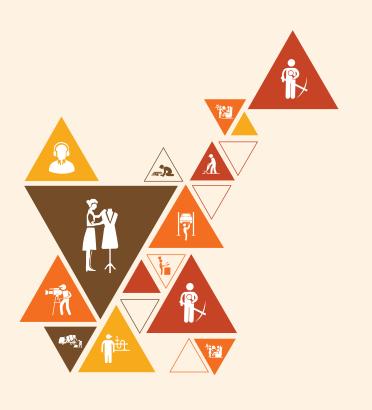






5. Painting on Structural Steel Fabricated Assemblies

Unit 5.1 – Application of paint on structural steel fabricated assemblies



(CON/N0506)

Key Learning Outcomes 👸



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Explain simple sketches related to metallic/structural painting works
- 2. Roughly estimate paint requirement by measuring the surface
- 3. List different painting tools
- 4. Select different painting materials and mixing ingredients
- 5. Demonstrate mixing of different painting materials and mixing ingredients such as paint, primer, base colour, tint base, colorants, varnishes, enamel
- 6. Describe the visual checks to be carried out for inspection of surface prior to painting
- 7. Demonstrate various visual checks to be carried out for inspection of surface prior to painting
- 8. Demonstrate use of power tools to remove rust (rust scale), weld slag, flux and weld spatter
- 9. Demonstrate base surface preparation for metal surface before painting
- 10. Select base colour and other colourants suitable for colour match
- 11. Demonstrate mixing of specified amount of paint material with additives as per specified ratio
- 12. Demonstrate process for effective mixing and dilution of paints and adjustment of viscosity as per standard procedure
- 13. Perform application of primer coat to finishes/levelled fabricated/structural steel assembly with uniform thickness and as per specifications
- 14. Perform application of appropriate primer coat for rusted metal surfaces

Unit 5.1 Application of Paint on Structural Steel Fabricated **Assemblies**

Unit Objectives | © |



At the end of this unit, trainer will ensure that participant will be able to:

- Explain simple sketches related to metallic/structural painting works
- Roughly estimate paint requirement by measuring the surface
- List different painting tools
- 4. Select different painting materials and mixing ingredients
- 5. Demonstrate mixing of different painting materials and mixing ingredients such as paint, primer, base colour, tint base, colorants, varnishes, enamel
- 6. Describe the visual checks to be carried out for inspection of surface prior to painting
- 7. Demonstrate various visual checks to be carried out for inspection of surface prior to painting
- 8. Demonstrate use of power tools to remove rust (rust scale), weld slag, flux and weld spatter
- 9. Demonstrate base surface preparation for metal surface before painting
- 10. Select base colour and other colourants suitable for colour match
- 11. Demonstrate mixing of specified amount of paint material with additives as per specified ratio
- 12. Demonstrate process for effective mixing and dilution of paints and adjustment of viscosity as per standard procedure
- 13. Perform application of primer coat to finishes/levelled fabricated/structural steel assembly with uniform thickness and as per specifications
- 14. Perform application of appropriate primer coat for rusted metal surfaces

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about base surface preparation for metal surface and procedure of painting the metal surface



In the previous session, we discussed the process of applying paints on masonry surfaces, tips and housekeeping practices. In this session, we shall learn about the application of paint metal assemblies.



- What do you think are some key considerations when it comes to selecting the appropriate paint for structural steel assemblies?
- Are you aware of the different methods used to prepare the surface of structural steel before applying paint?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Process of Painting on Steel Assemblies Surface
- **Surface Preparation**
- **Paint Application**
- **Painting Rusted Steel**

Activity - 1



- **Topic:** Surface Preparation for Painting on Metal Surfaces
- Purpose: This activity aims to provide participants with hands-on experience in the surface preparation process for painting on metal surfaces. Proper surface preparation is essential to ensure paint adhesion and the longevity of the painted surface.
- **Resources:**
 - Metal surfaces (small panels or sheets for demonstration).
 - Painting tools and equipment (wire brushes, sandpaper, damp cloths, masks, safety goggles).
 - Cleaning materials (water, cloth, ammonia, buckets).
 - Acetic acid or muriatic acid (for demonstration purposes).

Jet washing equipment (if available, for demonstration purposes).

• Tentative Duration: 60-75 minutes

• Procedure:

- Introduction:
 - Begin by explaining the importance of surface preparation in achieving a successful paint finish on metal surfaces.
 - Emphasize how proper preparation ensures paint adhesion, prevents corrosion, and enhances the appearance of the painted surface.
- Demonstration of General Preparation:
 - Highlight the key steps in general surface preparation, such as identifying rust areas, working
 in well-ventilated areas, keeping the work area clean, and ensuring metal surfaces are free
 from foreign particles.
- Hands-on Activity Stripping the Surface:
 - Divide participants into smaller groups.
 - Provide each group with a small metal panel or sheet.
 - Instruct participants to use wire brushes and sandpaper to remove old paint, rust, and other contaminants from the metal surface.
 - Encourage participants to wear safety goggles and masks during this process.
- Demonstration of Cleaning the Surface of the Metal:
 - Perform a demonstration of cleaning the metal surface using damp cloths and sandpaper.
 - Show participants how to achieve a smooth and clean surface by sanding and wiping away dust and particles.
- Activity Cleaning of Nuts, Bolts, and Rivet Heads:
 - Explain the process of using acetic acid or muriatic acid for cleaning nuts, bolts, and rivet heads.
 - Demonstrate the steps involved in the acid cleaning process using a mock-up setup.
 - Discuss safety precautions and disposal of used acid.
- Demonstration Jet Washing of Bigger Metal Surfaces:
 - If available, demonstrate the jet washing process for cleaning larger metal surfaces.
 - Explain how high-pressure water jets remove paint, rust, and coatings from metal surfaces, creating a clean base for new coatings.
- Group Discussion and Q&A:
 - Gather participants for a group discussion.
 - Ask participants to share their observations, challenges faced, and insights gained during the hands-on activities.
- Safety Emphasis and Key Takeaways:
 - Emphasize the importance of safety measures while working with tools, acids, and other chemicals.
 - Summarize the key takeaways from the activity, highlighting the significance of thorough surface preparation for successful painting.

Expected Outcome: Participants will gain practical experience in surface preparation techniques for painting on metal surfaces. They will understand the importance of each step in the process and how proper preparation contributes to the overall quality and longevity of the paint job on metal structures



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class

Exercise



Key Solutions to PHB Exercise

1

a. Paint will not adhere

2

a. Brush them with steel brush and use them since a little rust is good for adhesion

3

The method of cleaning nuts and bolts by acetic acid.

- a. Firstly, take acetic acid for cleaning.
- b. Then pour acetic acid into the bucket and add nuts and bolts in the bucket.
- c. Make sure to check regularly to see how the cleaning process is going, from a few hours to a day, depending upon how bad your parts were before you started.
- d. Then wash with water and quickly put the parts in some ammonia and leave it for a few minutes to neutralize any of the acid that might be left.
- e. Final step is to use a towel to wipe and spread them out in the sun to finish drying. Remember if exposed to any further moisture, it will rust again.

 Notes - 			
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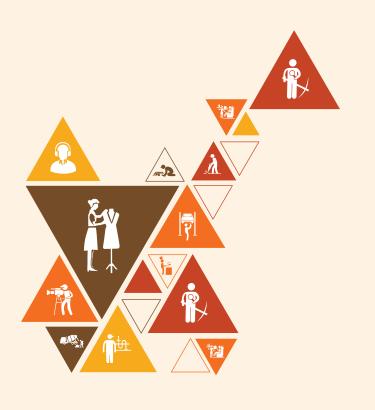






6. Painting and Polishing Of Wooden Surface

Unit 6.1 – Application of paint on wooden surface



(CON/N0507)

Key Learning Outcomes 👸



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Calculate the amount of paint, varnish and other painting materials required for painting work
- 2. Explain standard specifications of all tools, equipment and components required for painting work
- 3. Describe various defects seen on wooden material and methods adopted for rectification prior to painting
- 4. Perform the visual checks to be carried out for physical inspection of surface for suitability
- 5. Discuss the process of base surface preparation for the wooden surface (such as application of bleaching agent, treating of warped or strained surface, use of fillers, sandpapers, grinder and so on)
- 6. Demonstrate the preparation of base surface preparation of the wooden surface using suitable methods.
- 7. Discuss the methods to prepare paint and varnish using various constituents as per specification
- 8. Demonstrate the method for application of wood fillers and putty on the required wooden surface
- 9. Demonstrate the method for application of primer coat/ paint/ varnish/ polish on the required wooden surface.
- 10. Demonstrate application of lacquer or other sealers as per specification

Unit 6.1 Application of Paint on Wooden Surface

Unit Objectives | 6



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Calculate the amount of paint, varnish and other painting materials required for painting work
- 2. Explain standard specifications of all tools, equipment and components required for painting work
- 3. Describe various defects seen on wooden material and methods adopted for rectification prior to painting
- 4. Perform the visual checks to be carried out for physical inspection of surface for suitability
- 5. Discuss the process of base surface preparation for the wooden surface (such as application of bleaching agent, treating of warped or strained surface, use of fillers, sandpapers, grinder and so on)
- 6. Demonstrate the preparation of base surface preparation of the wooden surface using suitable methods.
- 7. Discuss the methods to prepare paint and varnish using various constituents as per specification
- 8. Demonstrate the method for application of wood fillers and putty on the required wooden surface
- 9. Demonstrate the method for application of primer coat/ paint/ varnish/ polish on the required wooden surface.
- 10. Demonstrate application of lacquer or other sealers as per specification

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about wooden surface preparation and application of paint on wooden surface.



In the previous session, we discussed the application of paint on metal assemblies. In this session, we shall learn about application of paint on wooden surface.

Ask (ask)



- What do you think are some key factors to consider when selecting paint for wooden surfaces?
- Are you familiar with the basic steps involved in preparing a wooden surface before applying paint?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Process of painting wooden surface
- **Primer Application**
- **Preparing Wood for Painting**
- **Application of Paints**

Activity - 1



Topic: Preparing Wood for Painting

Purpose: This activity aims to provide participants with hands-on experience in preparing wood surfaces for painting. Proper preparation is essential for achieving a smooth and durable paint finish on wooden surfaces.

Resources:

- Wooden panels or scraps (for demonstration).
- Putty knife or scraper.
- Sandpaper (coarse and fine grits).
- Exterior spackling compound.
- Cleaning solution and damp cloths.
- Painter's tape.

Tentative Duration: 60-75 minutes

Procedure:

- Introduction:
 - Start by explaining the importance of properly preparing wood surfaces before painting.

- Emphasize how surface preparation ensures better paint adhesion, smooth finish, and durability of the paint job.
- Demonstration Removing Old Paint:
 - Show participants how to use a putty knife or scraper to remove old paint from wood.
 - Explain the use of chemical strippers for oil-based stains or paints.
 - Highlight the importance of cleaning the surface after paint removal.
- Activity Filling Holes and Gouges:
 - Provide participants with a wooden panel or scrap.
 - Instruct them to seal large holes and gouges using wood filler.
 - Encourage participants to fill nail holes as well using exterior spackling compound.
- Demonstration Mixing Paint and Varnish:
 - Explain the process of blending thinner with paint and varnish to achieve the desired viscosity for painting.
- Hands-on Activity Sanding of Wood:
 - Divide participants into smaller groups.
 - Provide each group with a wooden panel.
 - Instruct them to sand the wood using coarse sandpaper to remove old paint and stains.
 - Demonstrate the use of fine sandpaper to smoothen the surface.
- Demonstration Cleaning Wooden Surfaces:
 - Show participants how to clean wooden surfaces using dry cloths to remove coarse impurities.
 - Explain the importance of using damp cloths to remove fine dust particles and allow the wood to dry before proceeding.
- Activity Masking of Wood:
 - Explain the concept of masking and its importance in preventing paint from reaching certain areas.
 - Provide painter's tape to participants.
 - Instruct them to apply tape to specific parts of the wooden panel that are to be left unpainted.
- Group Discussion and Q&A:
 - Gather participants for a group discussion.
 - Ask participants to share their observations, challenges faced, and insights gained during the hands-on activities.
- Safety Emphasis and Key Takeaways:
 - Emphasize the importance of safety measures while working with tools and materials.
 - Summarize the key takeaways from the activity, highlighting the significance of proper surface preparation for successful painting on wood.
- **Expected Outcome:** Participants will gain practical experience in the process of preparing wood surfaces for painting. They will understand the sequential steps involved in achieving a well-prepared surface and how it contributes to the quality of the final paint finish.



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Exercise



Key Solutions to PHB Exercise

- 1. Write the process of preparing wood for painting.
 - a. Removing old paint from wood
 - b. Fill large holes and gouges by wood filler
 - c. Prepare the paint and varnish
 - d. Sanding of wood
 - e. Cleaning wooden surfaces
 - f. Masking of wood

2.

- i. Preparation of varnishes for first coat: It does not need any preparation but thinning is required for the first coat, varnish has to be thinned to required consistency so as to seal the wooden surface.
- ii. Preparing old painted surface: This is done by sanding the old paint and then cleaning the surface by cloth (dry and then damp) application of other methods of cleaning can be done after receiving proper instructions from site seniors.
- iii. Finishing: Usually three coats of varnish are applied; this may also be instructed by site supervisor.

3.

Primer enhances the intensity of color and gives a rich look on the surface of wood. Before applying the final coat of the primer, check whether wood grains are raised. If yes, then sand the area with fine sandpaper.

4.

The process of painting the wooden surfaces is:

- i. Selection of paint
- ii. Use high quality paint and brushes
- iii. Collecting paint paintbrush
- iv. Applying the paint on wood
- v. Tipping
- vi. Repetition of the process

Notes —		





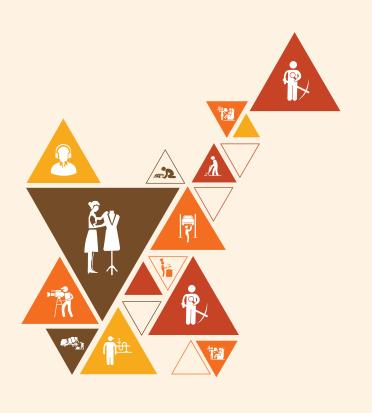






7. Defects in Painting

Unit 7.1 – Identification and Repairing of defects in painting



(CON/N0510)

Key Learning Outcomes 👸



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Discuss the various checks to detect natural defects/ painting defects with respective remedial action.
- 2. Demonstrate the various checks to detect natural defects/ painting defects with respective remedial action.
- 3. Identify common painting defect (orange peel, blushing, fading, spotting and water marks, discoloration, chalking, cracks, seeds, runs, fish eyes/ beads, blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters and shrinkage)
- 4. Demonstrate the method to polish/ rectify the defects with appropriate compound.
- 5. Demonstrate stripping and applying of putty and paint.
- 6. Demonstrate the various methods to flatten the defects and provide suitable remedy

Unit 7.1 Identification of Defects in Painting

Unit Objectives | © |



At the end of this unit, trainer will ensure that participant will be able to:

- Discuss the various checks to detect natural defects/ painting defects with respective remedial action.
- 2. Demonstrate the various checks to detect natural defects/ painting defects with respective remedial action.
- 3. Identify common painting defect (orange peel, blushing, fading, spotting and water marks, discoloration, chalking, cracks, seeds, runs, fish eyes/ beads, blemished metallic finish, pin holes, abrasive marks, peeling, putty marks, blisters and shrinkage)
- 4. Demonstrate the method to polish/ rectify the defects with appropriate compound.
- 5. Demonstrate stripping and applying of putty and paint.
- 6. Demonstrate the various methods to flatten the defects and provide suitable remedy

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computer, projector, flipcharts etc.
- PowerPoint slides, pictures/ posters depicting various information about the identification and repairing of defects in painting.



In the previous session, we discussed wooden surface preparation and application of paint on wooden surface. In this session, we shall learn about identification and repairing defects in painting.

Ask



- Can you name a few common defects that can occur in a painted surface?
- What are the potential causes of cracking or flaking paint on a surface?
- Have you encountered issues like blistering or peeling in painted areas? If so, what do you think might be the reasons behind these problems?

Notes for Facilitation

- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Paint Defects
- Causes of Paint Defects
- Types of Paint Defects
- Repairing Of Paint Defects

Activity - 1



- Topic: Paint Defects and Repair
- **Purpose:** This activity aims to provide participants with hands-on experience in identifying common paint defects and learning practical methods for repairing them. Understanding paint defects and their remedies is crucial for maintaining the quality and appearance of painted surfaces.
- Resources:
 - Sample panels with various paint defects (prepared in advance).
 - Paints, brushes, rollers, and other relevant tools.
 - Reference materials on paint defects and repair techniques.
- Tentative Duration: 60-75 minutes
- Procedure:
 - Introduction:
 - Begin by discussing the importance of identifying and addressing paint defects to maintain the integrity and aesthetics of painted surfaces.
 - Highlight how addressing defects promptly can prevent further damage and the need for costly repainting.
 - Defect Identification:
 - Display sample panels with different paint defects (e.g., cracks, blisters, orange peel, peeling, discoloration, etc.).
 - Instruct participants to examine each panel and identify the specific defect on each.
 - Group Discussion Defect Causes:
 - Facilitate a group discussion on the potential causes of each identified defect.

- Encourage participants to share their insights and experiences related to these defects.
- Hands-on Activity Repair Techniques:
 - Divide participants into smaller groups.
 - Provide each group with a sample panel featuring a specific paint defect.
 - Instruct each group to use the provided tools and paints to attempt repairing the defect on their assigned panel.
- Group Presentation and Comparison:
 - Ask each group to present their repaired panels to the rest of the participants.
 - Encourage them to explain the repair techniques they used and why they chose those methods.
- Q&A and Expert Insights:
 - Open the floor for questions from participants regarding specific defects or repair techniques.
 - Share expert insights and tips on effective repair methods for different defects.
- Discussion on Prevention:
 - Lead a discussion on how proper surface preparation, choice of paint, and application techniques can prevent paint defects.
 - Encourage participants to share preventive measures they've learned from the session.
- Reflect and Apply:
 - Ask participants to reflect on how they can apply the knowledge gained from this activity in their own painting projects.
- **Key Takeaways:**
 - Summarize the main points covered in the activity, emphasizing the importance of early defect identification and appropriate repair techniques.
- Expected Outcome: Participants will gain practical experience in identifying and repairing various paint defects. They will develop a better understanding of the underlying causes of defects and acquire valuable insights into effective repair methods, ultimately improving their overall painting skills.

Activity - 1 |



- **Topic:** Paint Defects Scavenger Hunt
- Purpose: This interactive group game is designed to engage participants in a fun and educational way to identify and understand various paint defects. It encourages teamwork and critical thinking while exploring real-life scenarios.
- **Resources:**
 - Sample panels with different paint defects (prepared in advance)
 - Paint defects description cards
 - Markers or adhesive labels
- **Tentative Duration: 45-60 minutes**
- **Procedure:**

Preparation:

- Prepare sample panels featuring different paint defects (cracking, blistering, peeling, etc.).
- Create separate description cards for each paint defect, detailing its causes and characteristics.

• Introduction:

- Gather participants into small teams (2-4 members per team).
- Explain that they will be participating in a paint defects scavenger hunt, where they'll need to identify and match the defects with their corresponding description cards.

Scavenger Hunt Setup:

- Place the sample panels with defects in various locations around the room or outdoor area.
- Distribute the description cards to the teams, making sure each team has a set.

Hunt Begins:

- Instruct the teams to search for the sample panels with paint defects.
- Once a team identifies a panel, they should match it with the correct description card.

Discussion and Analysis:

- After the hunt, gather all teams together.
- Discuss each paint defect one by one. Ask teams to share their findings and match the defects with their descriptions.

Team Presentations:

- Give each team an opportunity to present a paint defect they found and share the associated description.
- Encourage discussions about the causes, prevention, and repair methods for each defect.

• Quiz Round:

- Conduct a quiz round with questions related to the defects discussed during the game.
- Teams can compete to answer questions and earn points.

Team Reflection:

- Ask each team to reflect on what they've learned about paint defects and their remedies.
- Discuss any insights gained during the scavenger hunt.

Prize Distribution:

- Consider rewarding the team with the most accurate matches and active participation.
- **Expected Outcome:** Participants will have a deeper understanding of different paint defects and their characteristics. They will also learn about the causes, prevention, and repair techniques for each defect. The activity promotes teamwork, active engagement, and practical learning.

Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Exercise



Key Solutions to PHB Exercise

1. Multiple Choice Questions

Surface preparation

ii.

Chalking

III.

Efflorescence

iv.

Peeling

٧.

Bubbling

vi.

Brush them with steel brush and use them since a little rust is good for adhesion

vii.

Adhesion

viii.

Blistering

ix.

Chalking

Notes —			









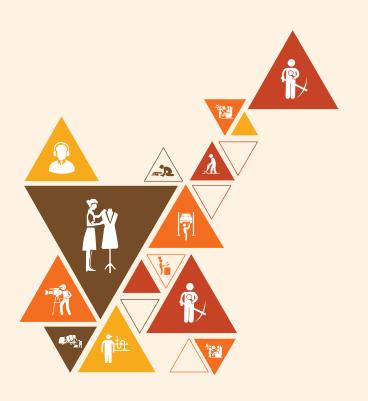


8. Teamwork and Effective Communication at Workplace

Unit 8.1 – Effective Communication and Teamwork

Unit 8.2 – Working Effectively and Maintaining Discipline at Work

Unit 8.3 – Maintaining Social Diversity at Work



(CON/N8001)

Key Learning Outcomes 🕎



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Explain the importance of interacting and communicating in an effective manner.
- 2. Explain the ways to support co-workers to execute the project requirements.
- 3. Elucidate the ways to practice inclusion at the workplace.

Unit 8.1 - Hazards and Emergency Situations

Unit Objectives | 6



At the end of this unit, trainer will ensure that participant will be able to:

- Elucidate own roles and responsibilities.
- Explain the importance of effective communication.
- Explain different modes of communication used at the workplace.
- 4. Elucidate the consequence of poor teamwork on project outcomes, timelines, safety at the construction site, etc.
- Demonstrate how to pass on work-related information/requirements clearly to the team members.
- 6. Show how to report any unresolved problem to the supervisor immediately.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters depicting effective interaction and communication at the workplace.



In this session, we shall learn about the importance of the effect and benefit of timely actions, the importance of teamwork and its effects, proper and effective communication and its adverse effects, effective communication skills while interacting with various stakeholders, etc.

Demonstrate |



Use a projector and show the following link- https://www.youtube.com/watch?v=sEzTXTRo9L4 to participants on how to build effective communication skills.

Ask (ask)



- Does anyone know the Cs of effective communication?
- Why do you think it is important for a construction painter and decorator to learn about effective communication?

Elaborate



In this unit, we will discuss the following topics:

- Effective communication
- **Teamwork**
- **Interpersonal Conflicts**

Roleplay Activity



- Purpose: The purpose of this activity is to help students understand and practice effective communication skills.
- Resources Required: Whiteboard, markers, printed scenarios, timer, and notebooks.
- **Tentative Duration: 60 minutes**
- **Procedure:**
- 1. Introduce the importance of communication.
- 2. Provide communication scenarios to small 4-5 groups.
 - Scenario 1: Safety Briefing for New Workers

You are the site supervisor on a construction project, and several new workers have joined the team. The challenge is to conduct a safety briefing for the new workers, ensuring they understand the potential hazards on the site, safety protocols, and the proper use of personal protective equipment (PPE).

Scenario 2: Communicating Changes in the Construction Plan

During a construction project, unexpected challenges arise, leading to changes in the initial plan. As the project manager, you need to communicate these changes to the entire construction team effectively, addressing their concerns and ensuring everyone is on the same page to avoid delays and confusion.

- 3. Groups discuss and come up with solutions.
- 4. Groups perform role-plays of scenarios.
- 5. Provide feedback after each role-play.

Note: Trainer can introduce more similar scenarios

- **Expected outcome:** By the end of this practical activity, students are expected to achieve the following:
 - 1. Improved understanding of effective communication.
 - 2. Application of knowledge in real-life scenarios.
 - 3. Ability to adapt communication style.
 - 4. Enhanced collaboration and teamwork.
 - 5. Increased confidence in communication skills.

Notes for Facilitation

- Arrange the relevant handouts and leaflets for a better understanding of the topic.
- Arrange audio-visual aids to make them understand effective communication at the workplacehttps://youtu.be/V1RQG1nB4Kg
- Ask the participants if they have any questions.

Notes —			

Unit 8.2 Working Effectively and Maintaining Discipline at Work



At the end of this unit, trainer will ensure that participant will be able to:

- Explain the importance of creating healthy and cooperative work environment among the gangs of workers.
- 2. Elucidate applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement.
- 3. Explain the importance of proper and effective communication and the expected adverse effects in case of failure relating to quality, timeliness, safety, risks at the construction project site.
- 4. Explain the importance and need of supporting co-workers facing problems for the smooth functioning of work.
- 5. Demonstrate ways to hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams.
- 6. Demonstrate ways to work together with co-workers in a synchronized manner.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters depicting effective interaction and communication at the workplace.



In this session, we shall learn about working effectively and maintaining discipline at work.



- Why is creating a healthy and cooperative work environment important within gangs of workers on a construction site?
- Why is adhering to safety standards crucial for co-workers in a construction project? What are the potential consequences of neglecting safety?
- Can you share a personal experience or example where effective teamwork and cooperation led to the successful completion of a construction task?

Notes for Facilitation

- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.
- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Importance of Healthy Work Environment
- Techniques, Materials, Tools, Safety
- **Effective Communication and Impact**
- **Supporting Co-Workers**
- Timely Handover to Interfacing Teams
- Synchronized Work Approach

Activity - 1 |



Topic: Co-Worker Support Relay

Purpose: This activity is designed to promote teamwork and the importance of supporting co-workers facing challenges in a construction environment.

Resources:

- Cones or markers.
- Blindfolds (optional).
- Various construction-related objects (tools, materials, etc.).

Tentative Duration: 30-45 minutes

Procedure:

- Preparation:
 - Set up a course area with cones or markers to create a clear path.
 - Place different construction-related objects along the path.
- Introduction:
 - Briefly discuss the significance of supporting co-workers in a construction team and how it contributes to smoother operations.
- Divide into Teams:
 - Divide participants into teams of equal size.
- Explanation of the Relay:

- Explain the relay race concept: Each team member will take turns being blindfolded (if using blindfolds) and guided by their teammates through the course to collect specific objects.
- Teammate Support:
 - One team member wears a blindfold (if using blindfolds).
 - Other team members guide the blindfolded teammate using verbal instructions.
 - The objective is to navigate the course and collect designated objects.
- Rotating Roles:
 - After completing the course, rotate roles within the team, so each participant gets a chance to be blindfolded and guided.
- Debrief and Discussion:
 - Gather participants and discuss the experience.
- Ask questions like:
 - How did you feel while blindfolded and relying on your team's guidance?
 - How important was effective communication during the activity?
 - How does this activity relate to supporting co-workers in a construction setting?
- Learning Points:
 - Emphasize the value of clear communication, trust, and teamwork.
 - Discuss how supporting each other enhances efficiency and prevents errors in real work scenarios.
- Reflect and Share:
 - Encourage participants to share their thoughts on how they can apply the lessons learned from the activity to their daily work interactions.
- **Expected Outcome:** This activity will help participants experience the challenges of relying on their teammates' support and reinforce the importance of cooperation and effective communication. It also encourages problem-solving and teamwork, essential skills in a construction environment

Say



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- · Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Notes —			
Notes			

Unit 8.3 Maintaining Social Diversity at Work

Unit Objectives | @ |



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Discuss the fundamental concept of gender equality.
- 2. Explain how to recognise and be sensitive to issues of disability culture and gender.
- 3. Discuss legislation, policies, and procedures relating to gender sensitivity and cultural diversity including their impact on the area of operation.
- 4. Demonstrate effective implementation of gender-neutral practices at the workplace.
- 5. Demonstrate ways to address discriminatory and offensive behaviour in a professional manner as per organizational policy.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters depicting inclusivity practices at workplace.



In this session, we shall learn about concept of gender equality, disability and gender Issues and cultural diversity.



- Why is creating a healthy and cooperative work environment important within gangs of workers on a construction site?
- Why is adhering to safety standards crucial for co-workers in a construction project? What are the potential consequences of neglecting safety?
- Can you share a personal experience or example where effective teamwork and cooperation led to the successful completion of a construction task?

Notes for Facilitation



- Initiate the session with the participants by discussing the objectives of the module.
- Make the session interactive by asking the participants to share their expectations from the module on the blackboard/whiteboard.

- Introduce the topics to be covered and give some information about them.
- Give the participants a general idea about what will be covered in the module.

Elaborate



- Gender Equality
- Disability and Gender Issues
- Cultural Diversity
- Gender-neutral practices
- Organizational policy

Activity - 1



- Topic: Diversity Role-Play
- **Purpose:** This activity aims to enhance participants' understanding of gender equality, disability awareness, cultural diversity, and professional behavior through interactive role-play scenarios.
- Resources:
- Scenario cards (prepared in advance) depicting various workplace situations.
- Props for role-play (optional).
- Tentative Duration: 30-45 minutes
- Procedure:
 - Preparation:
 - Prepare scenario cards that reflect real-life workplace situations related to gender, disability, cultural diversity, and professionalism.
 - Create a diverse range of scenarios that require participants to respond to various challenges.
 - Introduction:
 - Start by discussing the importance of sensitivity to gender equality, disability, and cultural diversity in the workplace.
 - Briefly explain the activity and its goals.
 - Group Formation:
 - Divide participants into small groups.
 - Scenario Role-Play:
 - Distribute scenario cards to each group. Each scenario should involve challenges related to the topics covered in the learning objectives.
 - Instruct each group to read and discuss the scenario, assigning roles for each group member.
 - Role-Play:

- Groups take turns performing their role-plays based on the scenarios assigned.
- Encourage participants to immerse themselves in their roles and respond authentically.
- Discussion:
 - After each role-play, open the floor for a discussion.
- Ask questions like:
 - How did the group handle the situation?
 - What aspects of gender equality, disability awareness, or cultural diversity were addressed?
 - Were there any challenges or dilemmas faced during the role-play?
- Alternate Responses:
 - For each scenario, have different groups present alternative responses to showcase diverse ways of addressing the challenges.
- Debrief and Reflection:
 - After all role-plays are performed, facilitate a debriefing session.
 - Discuss insights gained, lessons learned, and potential improvements in handling similar situations.
- Link to Learning Objectives:
 - Relate the role-play scenarios to the key learning objectives, highlighting how each scenario reflects real-world challenges.
- Expected Outcome: This activity encourages participants to apply their knowledge of gender equality, disability awareness, cultural diversity, and professionalism in practical scenarios. It promotes empathy, critical thinking, and collaborative problem-solving while reinforcing the importance of respectful and inclusive behavior in a diverse workplace.

Say



Did you find this activity interesting? Can you see how much information you had previously and how much information you have now?

Do



- Jot down the crucial points on the whiteboard as the students speak.
- Share your input and insight to encourage the students and add onto what they talk about.
- Ensure that all students participate in the class.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic:
- Arrange audio-visual aids to make them understand
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

Activity - 1



Answer the following:

1.

The communication process refers to the steps involved in the exchange of information, ideas, thoughts, or messages between individuals or groups. It is a dynamic process that involves a sender, a receiver, a message, and various channels to convey the information effectively.

2.

Scenario: Once miscommunication arose between the client and the painting contractor regarding the choice of paint colors for each room. The client had verbally communicated their preferences, assuming the contractor understood. However, the contractor's interpretation differed, leading to the wrong colors being applied. This resulted in dissatisfaction and delays.

To prevent such issues in the future, clear written communication is essential. Both parties should exchange emails or messages specifying the chosen colors, finishes, and any other details. Visual aids like color swatches or digital mock-ups can also help ensure a shared understanding. Regular checkpoints during the project can address any emerging discrepancies before they escalate into problems.

3.

Active listening is a critical skill at a construction site as it lays the foundation for effective communication, promotes safety, and fosters a cohesive and productive work environment. Construction projects involve numerous tasks, complex instructions, and potential hazards, making it essential for workers to actively listen and comprehend information accurately.

4.

- a. PPE (Personal Protective Equipment): Ensure proper use of safety goggles, respirators, gloves, and coveralls.
- b. Ventilation: Maintain good air circulation with open windows, doors, and exhaust fans.
- c. Training: Provide comprehensive training on techniques, equipment, and safety protocols.
- d. Equipment Inspection: Regularly check and maintain painting tools and equipment.
- e. Fall Protection: Use appropriate harnesses and lanyards when working at heights.
- Emergency Procedures: Establish clear protocols for emergencies and contacts. f.
- First Aid Kits: Keep well-equipped first aid kits on-site and train workers in basic first aid. g.
- h. Safe Storage: Properly store paints, chemicals, and flammables.
- Communication: Encourage open communication between all team members. i.
- Work Area Organization: Maintain clean and organized workspaces.
- k. Risk Assessment: Conduct thorough pre-project risk assessments.

- I. Safety Audits: Regularly review and improve safety measures.
- m. Hygiene: Promote proper handwashing and personal hygiene.
- n. Hazard Communication: Clearly label hazardous materials and provide MSDS.
- o. Fire Safety: Ensure fire extinguishers are accessible and workers understand their use.
- p. Personal Accountability: Foster a culture of individual responsibility for safety.
- q. Disposal: Follow proper guidelines for waste materials.
- r. Regulatory Compliance: Adhere to local safety regulations and guidelines.

5.

To enhance gender equity, one should:

- a. Follow gender-neutral practices at all levels at work.
- b. Participate together in decision-making.
- c. Help in promoting women's participation in different forums.
- d. Assist women in getting exposure to relevant skills and practices.
- e. Assist women in capacity building by mentoring, coaching or motivating them, as appropriate.
- f. Assist in the formation and operation of women support groups.
- g. Assist in the implementation of women-centric programmes.
- h. Combine technical training with reproductive health and nutrition for coffee farming households.
- i. Assist in making a work environment that is healthy, safe, and free from discrimination.

Notes ——		







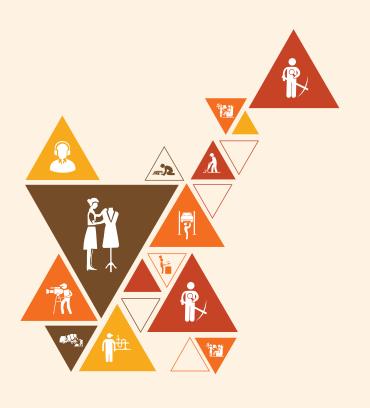




9. Plan and Organize Work to Meet Expected Outcomes

Unit 9.1 - Prioritise work activities to achieve desired results

Unit 9.2 - Organising resources



(CON/N8002)

Key Learning Outcomes 🙄

At the end of this module, trainer will ensure that the participant will be able to:

- 1. Learn the importance of time;
- 2. Plan activities and schedules;
- 3. Learn the importance of targets and time lines set by supervisors;
- 4. Prioritise tasks to achieve desired results;
- 5. Plan desired resources prior to commencement of work;
- 6. Identify and organise resources prior to commencement of work;
- 7. Organise correct tools and materials for completion of work; and
- 8. Use and engage resources and manpower in appropriate manner.

Unit 9.1 Prioritise Work Activities to Achieve Desired Results

Unit Objectives | @ |



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Plan activities and schedules
- 2. Prioritise tasks to achieve desired results
- 3. Plan desired resources prior to commencement of work
- 4. Identify and organise resources prior to commencement of work

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters related to prioritization of tasks, strategic planning, Recognition and arrangement of resources.



In this session, we shall learn about the importance of the effect and benefit of timely actions, the importance of teamwork and its effects, proper and effective communication and its adverse effects, effective communication skills while interacting with various stakeholders, etc.

Ask ask



- How important do they think effective planning and prioritization are in achieving desired results?
- Can you think of examples from your personal or professional life where planning and prioritization were crucial for success?

Elaborate



In this unit, we will discuss the following topics:

- **SMART Goals**
- Activity and Schedule Planning
- Task Prioritization for Desired Results
- Resource Planning before Work Commencement

Resource Identification and Organization before Work Commencement

Activity - 1



- **Topic:** Task Prioritization Workshop
- **Purpose:** Enhance participants' ability to effectively prioritize tasks for achieving desired results.
- **Resources Required:**
 - PowerPoint slides
 - Flipchart or whiteboard
 - Markers
- **Tentative Duration: 2 hours**
- **Procedure:**
 - Introduction (15 minutes)
 - Welcome and icebreaker activity
 - Overview of the workshop objectives and agenda
 - Understanding Task Prioritization (20 minutes)
 - Presentation of the importance of task prioritization
 - Discussion on common challenges faced due to poor prioritization
 - Techniques for Effective Prioritization (30 minutes)
 - Presentation of various prioritization methods (e.g., Eisenhower Matrix, ABCD method)
 - Group activity: Participants practice prioritizing sample tasks using different techniques
 - Case Study Analysis (20 minutes)
 - Presentation of a real-life case study involving task prioritization
 - Small group discussions: Participants analyze the case study and suggest prioritization strategies
 - Resource Planning Integration (15 minutes)
 - Brief overview of resource planning and its relationship to task prioritization
 - Discussion on how considering resources can impact task prioritization decisions
 - Group Activity: Task Prioritization Simulation (30 minutes)
 - Participants work in teams to simulate a scenario where limited resources affect task prioritization
 - Each team presents their prioritization approach and discusses their rationale
 - Best Practices and Takeaways (10 minutes)
 - Presentation of key takeaways from the workshop
 - Sharing of best practices for maintaining effective task prioritization over time
 - Q&A and Wrap-up (10 minutes)
 - Open floor for questions and answers

- Recap of the workshop highlights and closing remarks
- **Expected outcome:** Participants will leave the workshop with a better understanding of how to prioritize tasks for achieving desired results, integrating resource planning considerations into their decision-making process. They will also have practical experience in applying various prioritization techniques through interactive activities and case study analysis

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic.
- Arrange audio-visual aids to make them understand effective communication at the workplacehttps://youtu.be/V1RQG1nB4Kg
- Ask the participants if they have any questions.

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Unit 9.2 Organising Resources

Unit Objectives | 6



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Identify and organise resources prior to commencement of work
- 2. Organise correct tools and materials for completion of work
- 3. Use and engage resources and manpower in appropriate manner
- 4. Organise self, resources, work environment and time efficiently

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters related to prioritization of tasks, strategic planning, Recognition and arrangement of resources.



In this session, we shall learn about the importance of the effect and benefit of timely actions, the importance of teamwork and its effects, resources and manpower in an appropriate manner, organising resources effectively.

Ask



- How important do they think effective planning and prioritization are in achieving desired results?
- Can you think of examples from your personal or professional life where planning and prioritization were crucial for success?

Elaborate



In this unit, we will discuss the following topics:

- Organisation of Resources
- **Monitoring Performance**
- Optimising use of Resources

Activity - 1



- Topic: Resource Optimization Challenge Construction Painting
- **Purpose:** Enhance participants' ability to optimize the use of resources in construction painting work while considering efficiency and cost-effectiveness.

• Resources Required:

- Variety of paint colors and types
- Different types of brushes, rollers, and painting tools
- Sample walls or surfaces for painting
- Timer or stopwatch
- Cost calculation sheets
- Tentative Duration: 1.5 hours

Procedure:

- Introduction (15 minutes)
 - Welcome participants and explain the purpose of the activity.
 - Emphasize the importance of efficient resource utilization in construction painting projects.
- Resource Exploration (20 minutes)
 - Display the variety of paint colors, types, and painting tools available for the activity.
 - Briefly discuss the advantages and applications of each type of paint and tool.
- Resource Allocation Challenge (30 minutes)
 - Divide participants into small teams (3-4 members each).
 - Provide each team with a sample wall and a selection of paint colors and tools.
 - Explain the challenge: Each team needs to paint a section of the wall with the objective of achieving the best coverage, quality, and finish using limited resources.
 - Set a time limit for completion (e.g., 20 minutes).
- Execution and Discussion (20 minutes)
 - Teams work on their sections, aiming to optimize the use of paint and tools.
 - Facilitate discussions among team members on resource allocation strategies, such as which paint type to use, which tools are most efficient, and how to minimize wastage.
 - Emphasize the importance of time management in a real-world scenario.
- Quality and Cost Assessment (15 minutes)
 - Evaluate each team's painted section based on coverage, quality, and finish.
 - Discuss how resource optimization contributed to the outcomes achieved.
 - Calculate the cost of paint and materials used by each team and compare it to the quality achieved
- Reflection and Takeaways (10 minutes)
 - Ask each team to share their approach, challenges faced, and lessons learned.
 - Highlight key takeaways about resource optimization, including the balance between cost, quality, and efficiency.

- Debrief and Discussion (10 minutes)
 - Summarize the activity's main points and discuss broader applications in real construction painting projects.
 - Encourage participants to apply the resource optimization strategies they learned in their future work.
- **Expected outcome:** Participants will gain hands-on experience in optimizing the use of resources in construction painting work. They will understand the factors to consider when selecting paint types and tools, and how efficient resource allocation can impact the quality and cost-effectiveness of a project. This activity will promote critical thinking and practical skills applicable to their professional roles.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topic.
- Arrange audio-visual aids to make them understand effective communication at the workplace
- Ask the participants if they have any questions.

Exercise



Key Solutions to PHB Exercise

1.

Smart stands for specific, measurable, achievable, relevant, and time-bound objectives that can guide their performance and professional development

2.

Material planning involves checking the availability of all the raw materials that would be required in the painting process and to ensure that they are available at the construction site.

The construction painter and decorator should check with his supervisor that all these are available on the site in the required quantity.

3.

Work planning includes:

- Division of work among the team members
- Assigning the work as per individual capability and skills.
- Allocating sufficient manpower to complete the task as per the work plan
- Providing all the workers necessary tools and equipment required for the work.
- Organising work output so that all the processes are completed without any delay for the other.
- Mentoring and guiding all the workers as and when required.

4.

Benefits of work planning are:

- Efficiency
- Productivity
- Time Management
- Clarity
- Goal Achievement
- Resource Allocation
- Risk Mitigation
- Accountability
- Adaptability
- Stakeholder Communication
- Quality Assurance
- Cost Control

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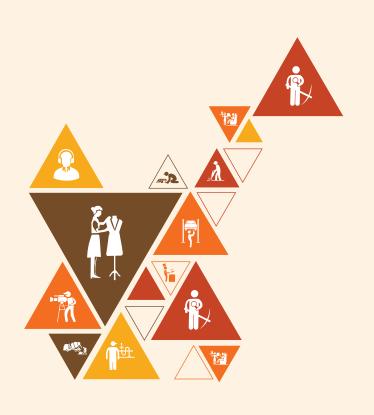


10. Maintaining a Safe, Hygienic and Secure Working Environment

Unit 10.1 – Hazards and Emergency Situations

Unit 10.2 - Safety Drills, PPEs and Fire Safety

Unit 10.3 - Hygiene and Safe Waste Disposal Practice



(CON/N9001)

Key Learning Outcomes



At the end of this module, trainer will ensure that the participant will be able to:

- 1. Explain the types of hazards at the construction sites
- 2. Identify the hazards specific to the painting and decoration work
- 3. Recall the safety control measures and actions to be taken under emergency situation
- 4. Explain the classes of fire and types of fire extinguishers
- 5. Demonstrate the operation of fire extinguisher.
- 6. Demonstrate different methods involved in providing first aid to the affected person.
- 7. Explain the importance of worker participation in safety/mock drills
- 8. Demonstrate the use of all Personal Protective Equipment (PPE) like helmet, safety shoe, safety belt, safe jackets and other safety equipment.
- 9. Explain the reporting procedure adopted in case of emergency situations
- 10. Describe the standard procedure for handling, storing and stacking of material, tools, equipment and accessories
- 11. Explain different types of wastes produced at a construction site including their disposal method
- 12. Explain the purpose and importance of vertigo test at construction site
- 13. Demonstrate vertigo test
- 14. List out basic medical tests required for working at construction Site
- 15. Explain the types of ergonomic principles adopted while carrying out specific task at the construction
- 16. Explain the benefits of basic ergonomic principles used at construction sites.
- 17. Explain the importance of housekeeping
- 18. Demonstrate housekeeping practice followed after painting and decoration works.

Unit 10.1 Hazards and Emergency Situations

Unit Objectives | ©



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Understand the types of hazards at the construction sites and identify the hazards specific to the domain related works.
- 2. Recognize the safety control measures and actions to be taken under emergency situations.
- 3. Know the reporting procedure to the concerned authority in case of emergency situations.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters depicting the types of hazards at the construction sites, use of PPEs as per work requirements during the construction painting job, etc.



In this session, we shall learn about the importance of the types of hazards at the construction sites and identify the hazards, standard procedure for handling, storing and stacking of material, tools, equipment and accessories, PPEs as per work requirements during construction painting jobs, safety control measures and actions to be taken under an emergency situation, the types and benefits of basic ergonomic principles, etc.



- Does anyone know the types of hazards at the construction sites?
- Why do you think it is important to use PPEs as per work requirements during construction jobs?

Elaborate



In this unit, we will discuss the following topics:

- **Workplace Safety**
- Workplace Safety at Construction Site
- Workplace Hazards

- Workplace Hazard at Construction Site
- Hazard Identification and Risk Assessment (HIRA)
- Workplace Warning Signs
- Personal Protective Equipment
- Basic Ergonomic Principles
- Emergency Response Plan for Construction Site

Roleplay Activity



- **Purpose:** The purpose of this practical activity is to educate students about the importance of Personal Protection Equipment (PPE) used at construction sites.
- **Resources Required:** Various PPE (e.g., hard hat, safety goggles, earplugs, dust masks, reflective vests, gloves, and safety boots), hazard posters, and safety guidelines.
- Tentative Duration: 60-90 minutes
- Procedure:
 - 1. Introduction: Discuss workplace safety and PPE's significance.
 - 2. Hazard Awareness: Identify construction site hazards.
 - 3. Set up stations with examples of different types of PPE.
 - 4. Divide the students into groups and assign each group to a station.
 - 5. Instruct each group to inspect the PPE, discuss its purpose, and identify the types of hazards it protects against.
 - 6. Allow students to try on the PPE to experience how it fits and functions.
 - 7. Gather the students for a recap of the key points learned during the activity.
 - 8. Encourage questions and facilitate a Q&A session to address any remaining doubts.
- **Expected outcome:** The participants will understand PPE's importance, recognize hazards, and know how to use various PPE correctly.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topics
- Arrange audio-visual aids for a better understanding of the topics.
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

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Unit 10.2 Safety Drills, PPEs and Fire Safety

Unit Objectives | © |



At the end of this unit, trainer will ensure that participant will be able to:

- 1. Explain the classes of fire and types of fire extinguishers.
- 2. Demonstrate the operating procedure of the fire extinguishers.
- 3. Explain the importance of participation of workers in safety drills.
- List out basic medical tests required for working at construction site.
- 5. Explain the purpose and importance of vertigo test at construction site.
- 6. Explain the types and benefits of basic ergonomic principles, which should be adopted while carrying out specific task at the construction sites.
- 7. Demonstrate use of PPEs as per work requirements.

Resources to be used



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters depicting the steps in safety drills, different methods involved in providing First aid to the affected person, safe waste disposal practices followed at construction site, etc.



In this session, we shall learn about the importance of housekeeping works, purpose and importance of vertigo test at construction site, basic medical tests required for working at construction site, different methods involved in providing First aid to the affected person, safe waste disposal practices, etc.



- Why do you think the safe housekeeping practices are important at construction site?
- Can you tell me how should the construction waste disposed of?

Elaborate



In this unit, we will discuss the following topics:

Safety, Health and Environment at Work Place

- Good Housekeeping
- Safety Drills at Construction Site
- Medical Examination for Construction Workers
- Vertigo Test
- First Aid
- **Treating Minor Cuts and Scrapes**
- Waste Management

Roleplay Activity



- Purpose: The participant will learn more about the first aid kits in this activity.
- Resources Required: Computer, internet.
- **Tentative Duration: 1 Hour**
- **Process:**
 - 1. Divide participants into 5 groups and provide them with first aid kit essentials.
 - 2. Ask them to surf the internet and explain the usage of each item included in the kit.
 - 3. Alternatively show them a video about the usage and ask them to make notes.
 - 4. Also, provide them cardboard, paper, scissors, glue stick, and colour pens to make the first aid box.
- Estimated Outcome: The participants will have detailed knowledge about first aid kits.

Notes for Facilitation



- Arrange the relevant handouts and leaflets for a better understanding of the topics
- Arrange audio-visual aids for a better understanding of the topics.
- Ask the participants if they have any questions.
- Encourage every participant to answer those questions and encourage peer learning in the class.

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Unit 10.3 Hygiene and Safe Waste Disposal Practices

Unit Objectives | 6



At the end of this unit, trainer will ensure that participant will be able to:

- Follow the practices to maintain personal hygiene, workplace hygiene and site/ workplace sanitization
- Understand the importance of housekeeping works
- Keep an eye on safe housekeeping practices
- Understand different types of waste at construction sites and their disposal method
- Know safe waste disposal practices followed at construction site

Resources to be used [8]



- Available objects such as whiteboard, duster, marker, notepad, pens, participant handbooks, computers, projectors, flipcharts etc.
- PowerPoint slides, pictures/posters related to prioritization of tasks, strategic planning, Recognition and arrangement of resources.



In this session, students will learn about maintaining hygiene and sanitation, understanding housekeeping's significance, practicing safe waste disposal, and implementing effective site organization for construction safety and efficiency.



Why do you think maintaining hygiene and sanitation is crucial on construction sites? What potential risks or challenges can arise from neglecting these practices?

Elaborate



In this unit, we will discuss the following topics:

- Hygiene and Sanitization Practices
- Importance of Housekeeping
- Safe Housekeeping Practices
- Types of Waste at Construction Sites

- Waste Disposal Methods
- Safe Waste Disposal Practices at Construction Sites

Activity | 39



- **Topic:** Waste Sorting and Disposal Simulation
- Purpose: Allow students to experience and understand the importance of proper waste disposal methods at construction sites.
- **Resources Required:**
 - Variety of paint colors and types
 - Different types of brushes, rollers, and painting tools
 - Sample walls or surfaces for painting
 - Timer or stopwatch
 - Cost calculation sheets
- **Tentative Duration: 45 minutes**
- Procedure:
 - Introduction (5 minutes)
 - Explain the importance of responsible waste disposal in construction to minimize environmental impact and ensure safety.
 - Briefly discuss different types of waste commonly found at construction sites.
 - Waste Sorting Challenge (15 minutes)
 - Distribute gloves and masks to each participant.
 - Place the bins labeled with waste categories in a visible area.
 - Provide a mix of waste materials to the participants.
 - Instruct participants to sort the waste materials into the appropriate bins based on their category.
 - Discussion and Reflection (15 minutes)
 - After sorting, gather the participants and discuss the challenges they faced during the activity.
 - Reflect on the significance of proper waste sorting in terms of recycling, safety, and environmental impact.
 - Waste Disposal Methods (10 minutes)
 - Present different waste disposal methods, such as recycling, reusing, and proper disposal, and their implications.
 - Discuss why following correct disposal methods is crucial in construction projects.
 - Application and Takeaways (5 minutes)

- Ask participants to share their insights on how the activity relates to real construction site waste management.
- Emphasize the importance of responsible waste disposal practices in their future careers.
- Expected outcome: Participants will gain practical experience in sorting and understanding the
 various types of waste at construction sites. They will also comprehend the significance of adhering
 to proper waste disposal methods for safety, environmental preservation, and regulatory compliance.
 This activity will promote awareness and responsible behavior regarding waste management in
 construction settings.

Exercise



Key Solutions to PHB Exercise

1.

- a. Physical Hazards
- b. Electrical Hazards
- c. Fire and Explosion Hazards
- d. Vehicle-Related Hazards
- e. Chemical Hazards
- f. Psychosocial Hazards

2.

- a. Assess the Situation
- b. Activate the Alarm
- c. Call Emergency Services
- d. Provide Essential Information
- e. Notify On-Site Personnel
- f. Follow the Construction Site's Emergency Response Plan
- g. Cooperate with Authorities
- h. Inform Contractors or Site Management
- i. Document the Incident
- j. Review and Improve Procedures

3.

The basic principles of first aid involve assessing the situation, ensuring safety, and providing timely assistance to injured or ill individuals. Employees can be trained in administering first aid through certified training programs that cover topics such as CPR, wound care, and handling medical emergencies. These training programs typically include hands-on practice, simulations, and theoretical instruction to equip employees with the skills and knowledge needed to respond effectively in emergency situations.

4.

Fire safety measures at a construction site include maintaining clear pathways, proper storage of flammable materials, and ensuring functional fire alarms. Employees should be trained in using fire extinguishers and understanding evacuation routes. In the event of a fire, swift evacuation to designated assembly points while avoiding elevators and following site-specific emergency protocols is crucial.

5.

Importance of PPE in Construction:

- Safety
- Compliance
- Productivity

Care and Maintenance of PPE:

• Regular Inspection

- Cleaning
- Storage
- Replacement
- Training

6.

Good housekeeping practices be effectively implemented at a construction site by:

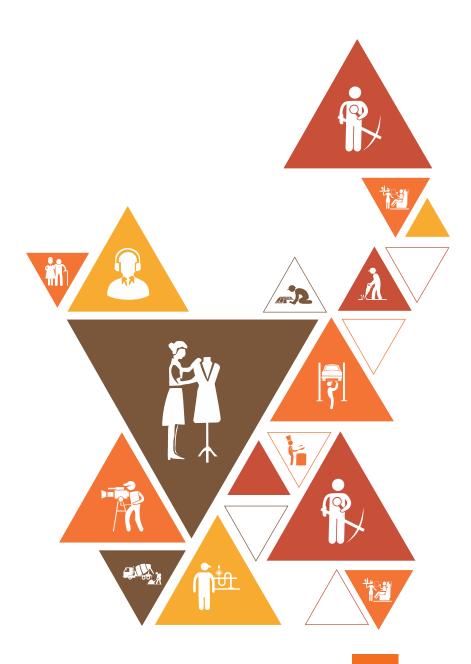
- i. Clearing walkways.
- ii. Regular clean-ups.
- iii. Proper waste disposal.
- iv. Tool organization.
- v. Material segregation.
- vi. Accessible emergency points.
- vii. Clear signage.
- viii. Worker training.
- ix. Supervision.
- x. Continuous improvement.

7.

Safe waste disposal practices that should be followed in the construction industry are:

- a. Segregate waste (hazardous, recyclable, and non-recyclable).
- b. Use proper containers.
- c. Store waste in designated areas.
- d. Follow local regulations and obtain permits.
- e. Use authorized waste disposal services for hazardous waste.
- f. Maximize recycling of materials like concrete and metals.
- g. Maintain disposal records.
- h. Educate workers on waste handling.
- i. Regularly inspect waste storage areas.
- j. Establish emergency response procedures.

Notes







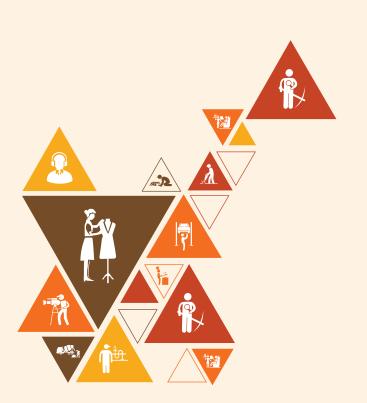




11. Employability Skills (60 Hours)

It is recommended that all trainings include the appropriate Employability skills Module. Content for the same can be accessed

https://www.skillindiadigital.gov.in/content/list





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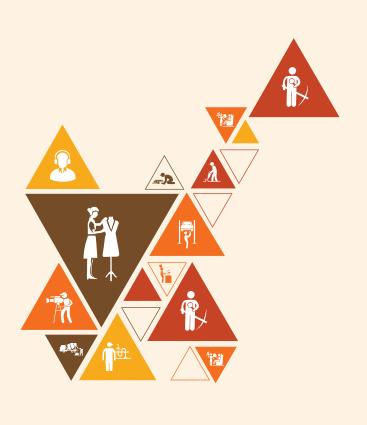


12. Annexures

Annexure I - Training Delivery Plan

Annexure II - Assessment Criteria

Annexure III - QR Code for Videos



Annexure I

Training Delivery Plan

	Training Delivery Plan						
Program Name:	Construction Painter and	d Decorator					
Qualification Pack Name & Ref. ID	CON/Q0503	ON/Q0503					
Version No.	4.0	Version Update Date	31/08/2023				
Pre-requisites to Training (if any)	5th Class with 2-3 Years OR	5th Class with 3-5 Years of experience in case of a Non trained worker, in same					
Training Outcomes	 Apply Oil Bound Di masonry surface Apply paint on met Apply paint, varnis other wooden surf Carry out minor ret Work effectively in Plan and organize variation 	 After completing this program, participants will be able to: Apply Oil Bound Distemper (OBD), acrylic and emulsion paints on various finished masonry surface Apply paint on metallic/structural steel fabricated assemblies Apply paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces Carry out minor repair of various painting faults 					

S.n o	Module name	Session name	Session objectives	NOS reference	Methodology	Training tools/ aids	Duration
1.	Introduction to the Job Role of a Construction Painter and Decorator T- 08:00 (HH: MM)	Introduction to Construction Industry Role and Responsibilities of Construction Painter and Decorator		Bridge Module	Classroom lecture, games, group participation , group activity	Training Kit- Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop	T- 02:00

			painter and decorator.				
2	Apply Oil Bound	1. Generic	Apply the basic	CON/N050	Classroom	Training Kit-	T- 02:00
		Mathematical	principles of	5	lecture,	Trainer Guide,	
	acrylicand	Skills	measurement,		games,	Presentations,	P- 06:00
	emulsion paints		geometry and	PC1, PC2,	group	Whiteboard,	
	on various		arithmetic calculation	PC3, PC4,	participation	Marker.	
	finished masonry		relevant to painting	PC5, PC6,	, group	Projector,	
	surfaces		work.	PC7, PC8,	activity		
	Surfaces		 Roughly estimate paint requirement by 	PC9, PC10,		Laptop	
	T- 24:00		measuring the	PC11,			
			surface.	PC12,			
	P- 70:00	2. Tools and	List different painting	PC13,		Tools and	T- 02:00
	(HH: MM)	materials used	tools (such as brushes,	PC14,		Equipment	
	. ,	in painting	rollers, painting	PC15,		Required:	P- 06:00
		works	bucket, stirrers,	PC16, PC17		Sample surface	
			scrapers, sand papers,			dimensions	
			putty blades, etc.)	KU1, KU2,		(walls,	
			Select different painting materials and mixing	KU3, KU4,		ceilings), paint	
			ingredients	KU5, KU6,		coverage rates,	
			Demonstrate mixing	KU7, KU8,		brushes,	
			of	KU9, KU10,		rollers,	
			different painting	KU11,		painting	
			materials and	KU12,		buckets,	
			mixingingredients	KU14,		stirrers,	
			such as paint,	KU15,		scrapers,	
			primer, base colour,	KU16,		sandpapers,	
			tint base, colorants,	KU17,		putty blades,	
			varnishes, enamelDemonstrate use of	KU18		different types	
			power tools to	NO10		of paints,	
			remove rust				
			(rust scale), weld			primers, base	
			slag, flux and weld			colors, tint	
			spatter			bases,	
		3. Storing and	 Demonstrate how to 			colorants,	T- 02:00
		handling of	store painting tools and			varnishes, and	
		painting tools	materials properly.			enamels,	P- 06:00
		and materials	Show how to handle			Mixing	
			painting tools and			containers and	
			materials			palette,	
		4. Sketches and	Discuss various	1		Surfaces for	T- 02:00
		Working	sketches and			practice (small	
		Drawings	working drawings for			boards, paper,	P- 06:00
			painting works			or cardboard),	
		5. Interpreting	Interpret sketches and	1		Various	T- 02:00
		sketches and	working drawings for			sketches and	
		working	painting works			working	P- 06:00
		drawings				drawings	
]		depicting	
		6. Masonry	Explain the			painting	T- 02:00
		Surfaces and	various types of			projects	
		Their Types	mas onry surfaces				P- 06:00
		7 Surface	Describe various				T 02:00
		7. Surface	methods of surface				T- 02:00
Ц			memous of surface	l	<u> </u>		

		Preparation	preparation				P- 06:00
		8. Process for painting masonry surface	Describe the process of painting various types of masonry surfaces.				T- 02:00 P- 06:00
		9. Preparation of Paint	Demonstrate mixing of different painting materials and mixing ingredients (such as paint, primer, base colour, tint base, colorants, varnishes, enamel, etc.)				T- 02:00 P- 06:00
		10. Application of Paint	 Demonstrate the application of primer coat and final coat using OBD, acrylic and emulsion paint as per specification Demonstrate application of tackifier solvents for recoat work 				T- 02:00 P- 06:00
		11. Housekeeping and Maintenance Work	Demonstrate cleaning of surface of each dried coat appropriately before application of the subsequent coat				T- 02:00 P- 05:00
		12. Tips and Warnings	 Describe the checks to be carried out for visual inspection of area prior to and after the painting work 				T- 02:00 P- 05:00
3	Apply paint on metallic / structural steel fabricated assemblies	1. Process of Painting on Steel Assemblies Surface	painting on steel assemblies surface	CON/N506 PC1, PC2, PC3, PC4, PC5, PC6, PC7, PC8,	group participation , group	Training Kit- Trainer Guide, Presentations, Whiteboard, Marker,	T- 02:00 P- 06:00
	T- 20:00 P- 78:00 (HH: MM)	2. Inspection of surface	Describe the visual checks to be carried out for inspection of surface prior to painting	PC9, PC10, PC11, PC12, PC13,	visit	Projector, Laptop	T- 02:00 P- 06:00
	,	3. Preparation of Surface	Demonstrate base surface preparation for metal surface before painting	PC13, PC14, PC15, PC16,			T- 02:00 P- 06:00

	4. Cleaning of nuts, bolts and	Describe the process of cleaning of nuts, bolts				T- 02:00
	field rivet heads	and field rivet heads	KU1, KU2, KU3, KU4,			P- 06:00
	5. Removing Rust	 Demonstrate use of power tools to remove rust 	KU5, KU6, KU7, KU8, KU9, KU10,			T- 02:00 P- 06:00
	6. Cleaning by acetic acid	Describe the process of cleaning rust by using acetic acid				T- 02:00 P- 06:00
	7. Selection of colour	Select base colour and other colourants suitable for colour	KU14, KU15, KU16,			T- 02:00
	8. Mixing Paints	match • Select different	KU17, KU18,			P- 06:00
		painting materials and mixing ingredients	KU19, KU20			T- 02:00 P- 06:00
	9. Application of coat	Demonstrate mixing of different painting				T- 02:00
	10. Priming the	materials and mixing ingredients • Perform application of				P- 06:00
	surface	primer coat to finishes/levelled fabricated/structural				T- 01:00 P- 06:00
	11. Applying	steel assembly • Perform application of				T- 01:00
	finish coat	finish coat to steel assembly				P- 06:00
	12. Painting rusted steel	 Perform application of appropriate primer coat and paint for rusted metal surfaces 				T- 01:00 P- 06:00
	13. Housekeeping and	Demonstrate cleaning of surface of each dried coat appropriately				T- 04:00
	maintenance	before application of the subsequent coat				P- 06:00
Apply, paint, varnish & polish on wooden	 Process of painting wooden surface 	 Discuss the process of painting the wooden surface 	CON/N050 7	Classroom lecture, games,	Training Kit- Trainer Guide, Presentations,	T- 03:00 P- 05:00
windows, doors, partitions, panels & other wooden	2. Preparation of Varnish	Discuss the methods to prepare paint and	PC3, PC4, PC5, PC6,	group participation , group	Whiteboard, Marker, Projector,	T- 03:00
surfaces	2.0	varnish using various constituents	PC7, PC8, PC9, PC10,	activity	Laptop	P- 05:00
T- 24:00	3. Removing old paintfrom wood	 Perform the visual checks to be carried out for physical inspection 				T- 02:00
P- 58:00		of surface	PC13, PC14,			P- 06:00

	I/LILL. NANA\	4 Filllanes	• Describence : and	DC1E			
	(HH: MM)	4. Fill large holes and	Describe various defects soon on	PC15, PC16,			
		gouges by	defects seen on	1			
		wood filler	wooden material and	PC17,			
		Wood IIIIei	methods adopted for	PC18,			
			rectification prior to	PC19, PC20			T- 02:00
			painting	KU1, KU2,			
			Demonstrate the	KU3, KU4,			P- 06:00
			method for application	KU5, KU6,			
			of wood fillers and	KU7, KU8,			
			putty on the required	KU9, KU10,			
			wooden surface	KU11,			
		5. Sanding of	Discuss the process of	KU12,			
		Wood	basesurface	KU13,			T- 02:00
			preparation for the	KU14,			P- 06:00
			wooden surface	KU15,			r-00.00
		6. Cleaning	Discuss the process of	KU16,			
		wooden	basesurface	KU17			T- 02:00
		surfaces	preparation for the wooden surface	,			D 00:00
			WOOden Sulface				P- 06:00
		7. Masking of	Discuss the process of				
		wood	basesurface				T- 02:00
			preparation for the				
			wooden surface				P- 06:00
		8. Apply primer	Demonstrate the				
		on the wood	method for application				T- 02:00
		on the wood	of primer coat on the				1-02.00
			required wooden				P- 06:00
			surface				1 00.00
		9. Painting	Discuss the methods to				
		wooden surface					
			varnish				T- 02:00
			 Demonstrate the 				
			method for application				P- 06:00
			of paint on the required				
			wooden surface				
		10. Applying	Demonstrate the				
		Varnish	method for application				T- 02:00
			of varnish/ polish on the				
			required wooden surface				P- 06:00
		11. Application	Demonstrate				
		of lacquer or	application of lacquer				T- 02:00
		other sealers	or other sealers as per				
			specification				P- 06:00
5	Carry out minor	1. Common	Identify common	CON/N051	Classroom	Training Kit-	T- 03:00
	repair of various	Paint Defects	painting defect	0	lecture,	Trainer Guide,	1-03:00
	painting faults	1 2 2 3 3 3 3 3	F 2 10 00.000]	games,	Presentations,	P- 04:00
	_	2. Causes of		PC1, PC2,	group	Whiteboard,	
			Identify the common				T- 03:00

	T- 16:00	painting defects	painting defect	PC3, PC4,	participation	Marker,	P- 04:00
	P- 38:00 (HH: MM)s	3. Checks to detect natural defects/ painting defects	Demonstrate the various checks to detect natural defects/ painting defects	PC5, PC6, PC7, PC8 KU1, KU2, KU3, KU4,	, group activity	Projector, Laptop	T- 02:00 P- 06:00
		4. Tips to prevent paint defects	Discuss the ways to prevent the defects	KU5, KU6, KU7, KU8, KU9, KU10, KU11,		Tools and Equipment Required:	T- 02:00 P- 06:00
		5. Repairing Of Paint Defects	 Demonstrate the method to polish/ rectify the defects Demonstrate the various methods to flatten the defects and provide suitable remedy 	KU12, KU14, KU15, KU16, KU17			T- 02:00 P- 06:00
		6. Tools and materials required for repairing	Explain the tools and material required for repairing				T- 02:00 P- 06:00
		7. Method to polish/rectify the defects	Demonstrate the method to polish/ rectify the defects with appropriate compound				T- 02:00 P- 06:00
6	Work effectively in a team to deliver desired results at the workplace T- 08:00 P- 16:00	1. Effective communication skills	·	CON/N800 1 PC1, PC2, PC3, PC4, PC5, PC6, PC7, PC8, KU1, KU2,	Classroom lecture, games, group participation , group activity	Training Kit- Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop	T- 03:00 P- 05:00
	(нн: мм)	2. Teamwork	Explain the importance of good teamwork Elucidate the 5Cs of	KU3, KU4, KU5, KU6, KU7, KU8, KU9			T- 03:00 P- 05:00
		3. Working Effectively and Maintaining Discipline at Work	 Explain the importance of creating healthy and cooperative work environment among the gangs of workers. Elucidate applicable techniques of work, properties of materials 				T- 03:00 P- 05:00

	used, tools and tackles	
	used, safety standards	
	that co-workers might	
	need as per the	
	requirement.	
	Explain the importance	
	of proper and effective	
	communication and	
	the expected adverse	
	effects in case of	
	failure relating to	
	quality, timeliness,	
	safety, risks at the	
	construction project	
	site.	
	Explain the importance	
	and need of supporting	
	co-workers facing	
	problems for the	
	smooth functioning of	
	work.	
	Demonstrate ways to	
	hand over the required	
	material, tools, tackles,	
	equipment and work	
	fronts timely to	
	interfacing teams.	
	Demonstrate ways to	
	work together with co-	
	workers in a	
	synchronized manner.	
4. Inclusivity a	t • Discuss the	
work	funda mental concept	
	of gender equality.	
	• Explain how to	
	recognise and be	
	sensitive to issues of	
	disability culture and	
	gender.	T- 01:0
	• Discuss legislation,	1 01.0
	policies, and	P- 07:0
	procedures relating to	
	gender sensitivity and	
	cultural diversity	
	including their impact	
	on the area of	
	operation.	
	Demonstrate effective	

			limplomentation of		l		1
			limplementation of gender-neutral				
			=				
			practices at the workplace.				
			workprace.				
			 Demonstrate ways to 				
			address discriminatory				
			and offensive behaviour				
			in a professional				
			manner as per organizational policy				
7	Plan and organize	-	 Explain how to plan 		Classroom	Training Kit-	
	work to meet	Objectives	painting activities	2	lecture,	Trainer Guide,	
	expected		within defined scope	PC1, PC2,	games,	Presentations,	T- 03:00
	outcomes		and duration	PC3, PC4,	group	Whiteboard,	. 03.00
	T 00 00		 Explain basic concept 	PC5, PC6,	participation		P- 05:00
	T- 08:00		of productivity and	PC7, PC8,	, group activity	Projector,	
	P- 16:00		sequence of working	PC9, PC10,	acuvity	Laptop	
	(HH: MM)	2.51		PC11, PC12			
	(1 11 1. IVIIVI)	2. Planning and	 Explain how to plan 				
		Organizing	painting activities	KU1, KU2,			
		work	within defined scope	KU3, KU4,			T- 03:00
			and duration	KU5			
			Explain basic concept of productivity and				P- 05:00
			productivity and sequence of working				
		3. Organising	 Explain requisition of 				
		resources	resources, reporting				
			for requirement of				
			resources orally and in				
			written to concerned				
			authority				
			 Demonstrate 				
			requisition of resource				
			citing an example				
			• Demonstrate how to				T- 02:00
			handle and organize				1-02.00
			painting tools,				P- 06:00
			material, fixtures and				- 3.00
			devices for painting				
			work.				
			• Demonstrate how to				
			prioritize all works/				
			activities				
			• Demonstrate optimum				
			utilization of resources				
			citing an example				
8	Workaccording	1. Workplace	Explain the types of	CON/N900	Classroom	Training Kit-	T- 02:00
	to personal	hazards	hazards at the	1	lecture,	Trainer Guide,	
	health, safety and		construction sites		games,	Presentations,	P- 04:00
					•		

environment	1	Identify the hazards	PC1, PC2,	group	Whiteboard,	
protocol at		specific to the painting	PC3, PC4,	participation	Marker,	
construction site		and decoration work	PC5, PC6,	, group	Projector,	
		Recall the safety	PC7, PC8,	activity, field	Laptop	
T- 12:00		control measures and	PC9, PC10,	visit		
D 24:00		actions to be taken	PC11,			
P- 24:00		under emergency situation	PC12,		Tools and	
(HH: MM)	2. Fire	Explain the classes of	PC13, PC14		1	
	Extinguisher	fire and types of fire	1 013,1 011		Equipment	
	Extrigationer	extinguishers	KU1, KU2,		Required:	T- 02:00
		Demonstrate the	KU3, KU4,		Safety	
		operation of fire	KU5, KU6,		Helmets, Face	P- 04:00
		extinguisher.	KU7, KU8,		shield,	
	3. First Aid and	Explain the classes of	KU9, KU10,		Overalls, Knee	
	Workplace	fire and types of fire	KU11,		pads, Safety	
	Safety	extinguishers	KU12,		shoes, Safety	
		Demonstrate the propertion of fire	KU14		belts, Safety	
		operation of fire extinguisher.			harness, Safety	
		Demonstrate the use			Gloves, Safety	T- 02:00
		of all Personal			goggles,	
		Protective Equipment			Particle masks.	P- 04:00
		(PPE) like helmet,			Ear Plugs,	
		safety shoe, safety			Reflective	
		belt, safe jackets and				
		other safety			jackets, Fire	
		equipment			Extinguisher,	
	4.	Describe the standard			Fire prevention	
	Housekeeping	procedure for			kit, First Aid	
	and Tool and	handling, storing and			box, Safety	
	Material	stacking of material,			tags, Safety	
	Handling	tools, equipment and			Notice board	
		accessories				
		Explain the types of				
		ergonomic principles				
		adopted while carrying				
		out specific task at the				T- 02:00
		constructionExplain the benefits of				
		basic ergonomic				P- 04:00
		principles used at				
		construction sites.				
		Explain the importance				
		of housekeeping				
		Demonstrate				
		housekeeping practice				
		followed after painting				
		and decoration works.				
1	5. Waste	Explain different types	1			
		xpramamicremetypes	I	1		T 00 00
		of wastes produced at				[- ()2:()t
	Management	of wastes produced at a construction site				T- 02:00
						P- 04:00

		Explain the purpose and importance of vertigo test at construction site Demonstrate vertigo test List out basic medical tests required for			
	6. Medical Tests	working at construction Site Explain the purpose and importance of vertigo test at construction site Demonstrate vertigo test List out basic medical tests required for working at construction Site			T- 02:00 P- 04:00
8. Employ Skills (6	ability 1. 0 hours) Introduction to Employability Skills Duration	Discuss the Employability Skills required for jobs in various industries List different learning and employability related GOI and private portals and their usage	DGT/VSQ /N0102	Whiteboard and Markers Chart paper and sketch pens LCD Projector, Laptop for Presentation , audio visual aids, note	T- 01:30
	2. Constitutional values - Citizenship Duration	• 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 Show how to practice different environmentally sustainable practices.		pad, paper, pen, computers et c.	T- 01:30
	3. Becoming a Professional in the 21st Century Duration	Discuss importance of relevant 21st century skills. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time			T- 02:30

	management, critical	
	and adaptive thinking,	
	problem-solving,	
	creative thinking,	
	social and cultural	
	awareness, emotional	
	awareness, learning to	
	learn etc. in personal	
	or professional life.	
	 Describe the benefits 	
	of continuous	
	learning.	
4. Basic English	-	T- 1
Skills Duration		' -
Skiiis Dui atioii	everyday conversation	
	in different contexts,	
	in person and over the	
	telephone	
	1. Read and interpret	
	text written in basic	
	English	
	Write a short	
	note/paragraph/	
	letter/e -mail using	
	basic English	
Г. Солоол		T- (
5. Career	Create a career development plan with	1-0
Development 8		
Goal Setting	well-defined short- and	
Duration	long-term goals	
6.	Demonstrate how to	T- (
Communicatio		
Skills Duration	effectively using verbal	
Skiiis Dui atioii	and nonverbal	
	communication	
	etiquette.	
	Explain the importance	
	of active listening for	
	effective	
	communication	
	Discuss the significance	
	of working	
	collaboratively with	
	others in a team	
7. Diversity &	Demonstrate how to	T- (
Inclusion	behave, communicate,	
Duration	and conduct oneself	
2 2. 3 4 6 11	appropriately with all	
	genders and PwD	
	Discuss the significance	
	of escalating sexual	
	harassmentissues as	
	per POSH act.	

	8. Financial and	 Outline the 		
	Legal Literacy	importance of		
	Duration	selecting the right		
		financial institution,		
		product, and service		
		Demonstrate how to		
		carry out offline and		
		online financial		
		transactions, safely		T- 05:00
		and securely		
		List the common		
		components of salary		
		and compute income,		
		expenditure, taxes,		
		investments etc.		
		 Discuss the legal 		
		rights, laws, and aids		
	9. Essential	Describe the role of		
	Digital Skills	digital technology in		
	Duration	today's life		
		Demonstrate how to		
		operate digital devices		
		and use the associated		
		applications and		
		features, safely and		
		securely		
		• Discuss the		
		significance of		
		displaying responsible		
		online behavior while		
		browsing, using		T- 10:00
		various social media		
		platforms, e-mails,		
		etc., safely and		
		securely		
		Create sample word		
		documents, excel		
		sheets and		
		presentations using		
		basic features		
		utilize virtual collaboration		
	10	tools to work effectively		
	10.	• Explain the types of		
	Entrepreneursh	entrepreneurship and		
	ip Duration	enterprises		
		1. Discuss how to		
		identify opportunities		T- 07:00
		for potential business,		
		sources of funding and		
		associated financial		
1		and legal risks with its		1

	mitigation plan Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement Create a sample business plan, for the selected business opportunity		
11. Custom Service Duration	Describe the significance of analysing different types and needs of customers Explain the significance of identifying customer needs and responding to them in a professional manner. Discuss the significance of maintaining hygiene and dressing appropriately		T- 05:00
12. Getting Ready for apprentice p & Jobs Duration	Curriculum Vitae (CV)	Classroom lecture, discussion, Demonstr ation, practical, Team Activity: Role play, video session	Т- 08:0

Annexure II- Assessment Criteria

CRITERIA FOR ASSESSMENT OF TRAINEES

For updated Assessment criteria please refer to Qualification Pack of this Job role available at https://www.nqr.gov.in/

Assessment Criteria for CSDCI- Construction Painter and Decorator					
Job Role	Construction Painter and Decorator				
Qualification Pack	CON/Q0503				
Sector Skill Council	Construction				

S. No.	Guidelines for Assessment
1.	Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2.	The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3.	Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4.	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion
5.	The passing percentage for each QP will be 70%. To pass the Qualification Pack, every trainee should score a minimum of 70% individually in each NOS.
6.	The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome.
7.	The trainee shall be provided with a chance to repeat the test to correct their procedures in case of improper performance, with a deduction of marks for each iteration.
8.	After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9.	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10	Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weighta ge
CON/N0505.Apply OBD, acrylic and emulsion paints on various finished masonry surfaces	30	70	-	-	100	20
CON/N0506.Apply paint on metallic/structural steel fabricated assemblies	30	70	-	-	100	20
CON/N0507.Apply, paint, varnish & polish on wooden windows, doors, partitions, panels & other wooden surfaces	30	70	-	-	100	20
CON/N0510.Carry out minor repair of various painting faults	30	70	-	-	100	10
CON/N8001.Work effectively in a team to deliver desired results at the workplace	30	70	-	-	100	5
CON/N8002.Plan and organize work to meet expected outcomes	30	70	-	-	100	5
CON/N9001.Work according to personal health, safety and environment protocol at construction site	30	70	-	-	100	10
DGT/VSQ/N0102- Employability Skills (60 Hours)	20	30	-	-	50	10
Total	210	520	-	-	750	100

Annexure III- QR Codes –Video Links

Chapter Name	Unit Name	Topic Name	URL	QR Code
1. Introduction to the Job Role of a Construction Painter and Decorator - Construction	Unit 1.1 Introduction to Construction Painting	Types of Construction	http://y2u.be/1WVzo2UFyo8	Types of Construction
	Unit 1.2 - Role and Responsibilities of a Construction Painter and Decorator – Construction	Role of a Construction Painter and Decorator	http://y2u.be/MkRhIoyXfl8	Role of a Construction Painter and Decorator
2. Generic Mathematical Skills (CON/N0505)	Unit 2.1 - Basic principles of measurement, geometry and arithmetic calculation	Different System of Measurement	http://y2u.be/oAtDAoqdExw	Different System of Measurement
		Conversion between Metric and Inch Systems	http://y2u.be/efr2pFdJZco	Conversion between Metric and Inch Systems
		Area, Volume and Perimeter of Geometrical Shapes	http://y2u.be/VI1VWQywjyM	Area, Volume and Perimeter of Geometrical Shapes

1	T			
3. Painting Tools and Materials	Unit 3.1 Tools and materials used in painting works	Tools and Accessories Required For Painting Work	http://y2u.be/uEYcpdavZi0	Tools and Accessories Required For Painting Work
		Types of Paint Brushes	http://y2u.be/KMfhjxjCKHY	Types of Paint Brushes
	Unit 3.2 Storing and handling of painting tools and materials	Storing and handling of painting tools and materials	http://y2u.be/xS4X6kX_3u0	Storing and handling of painting tools and materials
4. Application of Painton Masonry Surface (CON/N0505)	Unit 4.1 Application of paint on masonry surface	Sketches and Working Drawings	http://y2u.be/LY8CfY2nj1k	Sketches and Working Drawings
		Masonry Surfaces and Their Types	http://y2u.be/aX740OxcbcA	Masonry Surfaces and Their Types
		Process for painting masonry surface	http://y2u.be/RDwPYXT1KcA	Process for painting masonry surface

5. Painting on Structural Steel Fabricated Assemblies (CON/N0506)	Unit 5.1 Application of paint on structural steel fabricated assemblies	Process of Painting on Steel Assemblies Surface	http://y2u.be/4Nb1yJu89g8	Process of Painting on Steel Assemblies Surface
		Preparation of Surface	http://y2u.be/rTZABHZh6JE	Preparation of Surface
		Application of Paint	http://y2u.be/UvIdP4tXQ60	Application of Paint
6. Painting and Polishing Of Wooden Surface (CON/N0507)	Unit 6.1 Application of paint on wooden surface	Process of painting wooden surface	http://y2u.be/B4glGMiHxDl	Process of painting wooden surface
		Preparing Wood for Painting	http://y2u.be/b2LU4fBa4sE	Preparing Wood for Painting

7. Defects in Painting (CON/N0510)	Unit 7.1 Identification and Repairing of defects in painting	Paint Defects	http://y2u.be/jyswruAkmCY	Paint Defects
		Repairing Of Paint Defects	http://y2u.be/xq6OL9cz_Z8	Repairing Of Paint Defects



