

Rajasthan Skill & Livelihoods Development Corporation

1. Module Name	Spray Painter
2. Sector	Paint
3. Entry Qualification	Minimum 5 th Pass
4. Minimum Age (in years)	15
5. Duration	39 days/ 234 hrs.
6. Provision of Tool kit	Yes
7. Terminal Competency	<p>After completion of the course the trainee will be able to:</p> <ul style="list-style-type: none"> • identify materials, tools and equipment required for various types of painting and polishing of different surfaces; • prepare basic surfaces (wall, metal & wood) for painting and polishing; • handle waste disposal & manage housekeeping, health & safety at work place; • handle different Spray Painting equipments; • adjust spray gun stroke and hold spray gun; • apply primer coats; • paint metal surfaces by spray painting process; • spray paint different surfaces like corners, round, parallel, curved surfaces, angles, rectangular, cone, cylinder, square etc.; • paint metal surfaces by Airless & Electrostatic Spraying; and • calculate quantity of paint required and do costing;

	Approx. hrs.
8. Registration, Inauguration, introduction and objectives of the course	2

9. Course content			
Practical competencies	Approx. hrs.	Underpinning Knowledge (Theory)	Approx. hrs.
<ul style="list-style-type: none"> • Use of protective clothing and equipment and carryout safe working practices. • Apply good housekeeping practices, proper handling of materials and waste disposal. • Identify and familiarize with tools & equipments used in painting. • Identify and familiarize with various types of raw materials used in painting e.g. Paints, Putty, Varnishes etc. 	9	<ul style="list-style-type: none"> • Paint Industry in India. • Importance of painting, painter & related works. • Health and safety precautions, safe working practices. 	3
<ul style="list-style-type: none"> • Use of tools, equipments used for painting. • Upkeep, care & maintenance of tools & equipments. 	9	<ul style="list-style-type: none"> • Tools & Equipment used in painting technique, their specifications & quality. • Various types of Putty, primer, paints, varnishes generally used for painting applications and their quality. 	9
<ul style="list-style-type: none"> • Familiarization with various types and conditions of painting surfaces e.g. wall, wood & metal etc. 	12	<ul style="list-style-type: none"> • Importance of using proper tools & equipments. 	3

<ul style="list-style-type: none"> • Prepare basic surfaces: wall, metal and wood for good painting work. 			
<ul style="list-style-type: none"> • Apply putty, paint varnishes and polish to the different surfaces by using proper application sequence. 	21	<ul style="list-style-type: none"> • Systematic use of various types of painting tools & equipment, spray guns, ford cup sets. 	6
<ul style="list-style-type: none"> • Field visits to locations where painting is going on. 	12	<ul style="list-style-type: none"> • Necessity and type of help to Painter by Helper. • Waste disposal at work places. • Behavior at work place. Customer & their expectations while painting. 	6
<ul style="list-style-type: none"> • Use of protective clothing and equipment and carry out safe working practices. • Apply good housekeeping practices, proper handling of materials and waste disposal. • Demonstration on Handling of different types of spray painting machines in different types of painting booths. 	6	<ul style="list-style-type: none"> • Health and safety precautions, safe working practices and waste disposal at work place. • Spray Painting Equipments – different types of Spray Guns. • Method of spraying techniques on various surfaces. • Precautions in holding of Spray Guns & spraying stroke. • Maintenance of Spray Guns. 	1
<ul style="list-style-type: none"> • Practicals on Pretreatment, applying of primer coats & spray painting on metal surfaces & finishing work. 	24	<ul style="list-style-type: none"> • Method and application process of metal surface painting & finishing. • Various types of system of spray painting and their effect on metal surfaces. 	1
<ul style="list-style-type: none"> • Practicals as Spray painting on different surfaces like corners, round, parallel, curved surfaces angles, rectangular, cone, cylinder, square. • Adjustment of spray gun stroke and holding spray gun etc., for multipurpose work. 	24	<ul style="list-style-type: none"> • Synthetic, Cellulose & Acrylic paints and finishing on metal surfaces. • Use of higher performance coating like chlorinated rubber & Epoxy paints. 	2
<ul style="list-style-type: none"> • Spray painting with Compressed Air Atomisation. • Practice on different types of Spray Guns. 	18	<ul style="list-style-type: none"> • Treatment of various defects arising while spray painting and their remedies such as lifting, checking, cracking wrinkling. 	2
<ul style="list-style-type: none"> • Practice of Airless & Electrostatic spraying by using different types of Electrostatic Spray Guns. 	12	<ul style="list-style-type: none"> • Airless & Electrostatic spraying: Description and safety precautions. • Handling of paints for Electrostatic spraying. • Paint used in Electrostatic spraying. • Behavioral etiquette • Calculation for quantity of paint required, costing & evaluation. 	2
		Entrepreneurship & Soft Skills and Computer Literacy Module:	0
		<ul style="list-style-type: none"> • Entrepreneurship – its necessity and charms of being an entrepreneur. 	1
		<ul style="list-style-type: none"> • Who is an entrepreneur and characteristics of a successful Entrepreneur? 	2

		• How to identify Business opportunities?	2
		• Steps for setting up a small scale venture.	1
		• Institutional support for entrepreneurship (whom to contact for what)	2
		• Government (Central/ State) Schemes and assistance from Banks/ other financial institutions - Procedures and formalities for getting loan.	2
		• How to prepare Business plan?	2
		• Financial literacy-Costing, Pricing, Profitability and Break Even Analysis.	2
		• Cash management in small enterprises.	2
		• Accounting and Book Keeping	2
		• Introduction to Taxation	1
		• Shop and Establishment Act and its provisions.	1
		• Creativity, Problem solving & decision making.	1
		• Common mistakes generally made by entrepreneurs.	1
		• Interaction with successful entrepreneur and success stories.	2
		• Communication and Negotiation skills.	1
		• Interpersonal skills	1
		• How to Deal with customer attitude – Effective selling.	1
		• Marketing – Basic concepts/ Skills and effective mode of advertising.	1
		• Introduction to e-commerce.	2
Computer Fundamentals Customize the Desktop Environment e.g. Desktop, Start Menu, and Taskbar etc. Configuring & Migrating Files, Folders & Settings - Folder Views, Accessibility Settings	2	Computer Fundamentals, MS-Office & Internet introduction to Computers History of Computers Components of Hardware Peripherals	1
MS Word Creating, Organizing & Formatting Content Collaborating – Merge, Insert, View, Edit, Track Mode etc. Formatting & Managing Documents	4	Concept of Operating System – Windows XP, Exploring & Configuring the Windows XP Desktop Environment-Customize the Desktop, Start Menu, and Taskbar etc. Configuring & Migrating Files, Folders	1
MS Excel Creating, Analyzing & Formatting Data & Content	3	Settings - Folder Views, Accessibility Settings Features of Windows XP	1

Collaborating - Insert, View, Edit etc. Managing Workbooks		Understanding concepts of Word processing using MS-Word	
MS PowerPoint Creating & Formatting Content Collaborating - Track, Edit, Add, Delete Comments, Merge Managing & Delivering Presentations	3	Understanding concepts of Electronic spreadsheet and various types of entries in it	
Internet Concepts Opening websites and downloading data Writing, reading and sending emails	4	Understanding concepts of URL Creating and Opening an E-mail account. Receiving and sending emails Searching information on Internet.	1
Approx. Total Practical hours	163	Approx. Total Theory hours	69
Grand Total (2+163+69)			234

10. Tools, Equipments and Material for a batch of 30 trainees

S.No.	Item	Quantity	S.No.	Item	Quantity
	Equipment			Materials	
1	Spraying Mask	8 Nos.	1	Metal putty	6 kg.
2	Steel combs	8 Nos.	2	Metal primer	6 kg.
3	Ford Cup No.4	3 Nos.	3	Metal cement	6 kg.
4	M.S. Panels 150mm x 100mm (18x22 swg)	45 Nos.	4	Oil paint	12 ltr.
5	M.S. Panels 300mm x 200mm (18x22 swg)	45 Nos.	5	Acrylic Emulsion Paint	6 ltr.
6	Wire Brushes	8 Nos.	6	Thinner/Dilutents (Turpentine)	15 ltr.
7	Gun spray with gravity feed cup with accessories with portable Air Compressor	3 Nos.	7	Synthetic paint white	6 ltr.
8	Airless Spray Gun with accessories	3 Nos.	8	Panels of painting defects	3 Nos.
9	Pressure feed container 20 ltr. capacity	3 Nos.			
10	Spray Booth	3 Nos.			

S.No.	Item	Quantity	S.No.	Item	Quantity
	Hardware			Software:	
1	Computers/Laptops	10 (one for three trainee)	6	Microsoft Windows 7/8/10 or UNIX/ LINUX or latest software	For all Systems
2	Power backup	For all Systems	7	Microsoft Office 2007/ 2010/ 2013 or latest software	For all Systems
3	Inkjet/Laser Printer (Network/USB Printer)	1	8	Antivirus Software (TVD/ Norton/ Quick Heal Total Security/ Kaspersky/ Any Popular brand)	For all Systems
4	Speaker	1	9	Internet Connection	For all Systems
5	Spare H/W components	As per requirement			