



Model Curriculum

Marker & Signage Painter

SECTOR: IRON & STEEL
**SUB-SECTOR: STEEL, SPONGE IRON, FERRO ALLOYS,
RE-ROLLERS, REFRACTORY**
OCCUPATION: COKE MAKING
REF ID: ISC/Q0913
NSQF LEVEL: 2



  

Certificate

**CURRICULUM COMPLIANCE TO
QUALIFICATION PACK – NATIONAL OCCUPATIONAL
STANDARDS**

is hereby issued by the
INDIAN IRON AND STEEL SECTOR SKILL COUNCIL
for the
MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: 'Marker & Signage Painter' QP No. 'ISC/Q0913 NSQF Level 2'

Date of Issuance: **December 22nd, 2015**
Valid up to: **December 21st, 2016**

** Valid up to the next review date of the Qualification Pack*


Authorised Signatory
(Indian Iron and Steel Sector Skill Council)



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Marker & Signage Painter

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Marker & Signage Painter”, in the “Iron & Steel” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Marker & Signage Painter		
Qualification Pack Name & Reference ID.	Marker & Signage Painter ISC/Q0913		
Version No.	1.0	Version Update Date	01-04-2017
Pre-requisites to Training	Minimum qualification – 8th Pass		
Training Outcomes	After completing this programme, participants will be able to: <ul style="list-style-type: none"> • Study the text to be displayed and keeps ready the materials required for writing or, the surface to be painted • Write the text to be displayed or, paints the designated surface with the appropriate material/paint • Use basic health and safety practices at the work place • Works effectively with others 		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Marker & Signage Painter” Qualification Pack issued by “Indian Iron & Steel Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Over view of Iron & Steel Industry Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Understanding Iron & steel industry • Understanding types of Iron & Steel Industry • Understanding products of Iron & Steel industry • Activities in Iron & Steel Industry 	PPTs of Iron and steel manufacturing, Charts showing the same
2	Occupational, Health and Safety (OHAS) Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 12:00 Corresponding NOS Code ISC/N0008	<ul style="list-style-type: none"> • Understanding the Occupational health & Safety • Understand What is hazard • Documentation for Health and safety • Working at Heights, confined spaces • Remedies for fire at work place 	PPTs for OHAS related to Job Role, Display Material for PPEs related to Job Role, Safety Material



Sr. No.	Module	Key Learning Outcomes	Equipment Required
3	<p>5S & House keeping</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code ISC/N0008</p>	<ul style="list-style-type: none"> • Identification of bottlenecks in functioning of work place • Various methods of housekeeping both pre-work & post-work as well 	<p>PPTs of 5S, Display Charts of 5S, Audit Checklists of 5S</p>
4	<p>Study the text to be displayed and keeps ready the materials required for writing or, the surface to be painted</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code ISC/N0940</p>	<ul style="list-style-type: none"> • Study the text and keeps ready the materials required for writing • Prepare the surface to be painted 	<p>Measuring tools, Traffic/Road signals/signage, different colors</p>
5	<p>Write the text to be displayed or, paints the designated surface with the appropriate material/paint</p> <p>Theory Duration (hh:mm) 35:00</p> <p>Practical Duration (hh:mm) 90:00</p> <p>Corresponding NOS Code ISC/N0941</p>	<ul style="list-style-type: none"> • Write the text of a slogan/warning/ notice on a surface and also painting a specific surface of the walls/shed in the factory 	<p>Measuring tools, Traffic/Road signals/signage, different colors</p>
6	<p>Use basic health and safety practices at the workplace</p> <p>Duration (hh:mm) 06:00</p> <p>Practical Duration</p>	<ul style="list-style-type: none"> • Health and safety procedures • Fire safety procedures • Emergencies, rescue and first aid procedures 	<p>PPE, Different Type of Safety Sign, First Aid Box, Safety instrument and clothing, Step Ladder, Sample Accident reports, Fire Extinguishers,</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 08:00 Corresponding NOS Code ISC/N0008		Items required for fire extinguisher and fire Safety
7	Work effectively with others Duration (hh:mm) 08:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code ISC/N0009	<ul style="list-style-type: none"> Ensure appropriate communication with superiors, peers and others as applicable at work place Demonstrate appropriate behaviour and etiquette at work place 	Communication skills PPTs, Posters Team management posters
	Total Duration Theory Duration 92:00 Practical Duration 208:00	Unique Equipment Required: <ul style="list-style-type: none"> Basic Tools and Equipment's, measuring tools Road signages and symbols Material and Equipment for cleaning, lifting machines PPE, Safety Sign, First Aid Box, Fire Extinguishers 	

Grand Total Course Duration: **300Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by [Indian Iron and Steel Sector Skills Council](#))

Trainer Prerequisites for Job role: “Marker & Signage Painter” mapped to Qualification Pack: “ISC/Q0913”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ISC/Q0913”.
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Min. ITI pass and preferably CTI/ATI cleared/ Diploma Mechanical
4a	Domain Certification	Certified for Job Role: “Marker & Signage Painter” mapped to QP: “ISC/Q0913”. Minimum accepted score is 80%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/1402”. Minimum accepted score is 80%
5	Experience	Min. 5 years industry experience and minimum 2 years’ experience as Trained or un trained for same Job Role/ Trade



Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Marker & Signage Painter
Qualification Pack	ISC/Q0913
Sector Skill Council	Indian Iron & Steel Sector Skill Council

Sr. 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 theory part for each candidate at each examination/training centre (as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria.
5	To pass the Qualification Pack, every trainee should score a minimum of 60% in every NOS.
6	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.

Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
ISC/N0940: Measuring tools, Traffic/ Road signals/ signage, different colors	PC1. Understand the assigned task from the supervisor	300	20	10	10
	PC2. Ensure the text that need to displayed and in case of any doubt seek help from the supervisor		41	40	1
	PC3. Reach the correct work site for carrying out the activities		9	0	9
	PC4. Read, understand & plan the layout of the display		30	10	20
	PC5. Understand the various signage, symbols, colours (that need to be used) depending on various work sites where the same is to be displayed		51	50	1



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC6. Ensure availability of right kind of materials that need to be used for the assignment job		49	10	39
	PC7. Keep the materials like pens, brush, paint, wipes, thinner ready for use		20	0	20
	PC8. Understand the nature of surface that need to be painted		21	20	1
	PC9. Clean the surface to be painted with emery/wire brush/ thinner and wipes dry for painting as per nature of the surface		29	0	29
	PC10. Dry the surface properly before applying the paint		20	0	20
	PC11. Ensure that no person steps on or touches the surface before applying the paint		10	0	10
	NOS Total Marks	Total	300	140	160
ISC/N0941: Write the text to be displayed or, paints the designated surface with the appropriate material/paint	PC1. Ensure taking permission before displaying any signage's from the concerned department, traffic control, safety department etc. as appropriate	450	30	10	20
	PC2. Neatly reproduce the specific text onto the designated surface/area		30	0	30
	PC3. Paint the surface with the correct tools & the right paint to leave a perfect finish		200	20	180
	PC4. Allow the surface to dry		30	0	30
	PC5. Ensure that no persons steps on the surface or hold the signage's till the surface is dry		10	0	10



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC6. Ensure the display / signage's are put in a correct position as per work plan		20	0	20
	PC7. Inform supervisor on completion of the job		10	0	10
	PC8. Handover the work site to the concerned department		20	0	20
	PC9. Remove of the materials, paints, tools from the work site and return the same to the store/department		100	0	100
	NOS Total Marks	Total	450	30	420
ISC/N0008: Use basic health and safety practices at the workplace	PC1. Use protective clothing/equipment for specific tasks and work conditions	150	10	5	5
	PC2. State the name and location of people responsible for health and safety in the workplace		5	0	5
	PC3. State the names and location of documents that refer to health and safety in the workplace		1	0	1
	PC4. Identify job-site hazardous work and state possible causes of risk or accident in the workplace		9	5	4
	PC5. Carry out safe working practices while dealing with hazards to ensure the safety of self and others state methods of accident prevention in the work environment of the job role		10	5	5



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC6. State location of general health and safety equipment in the workplace		5	0	5
	PC7. Inspect for faults, set up and safely use steps and ladders in general use		5	0	5
	PC8. Work safely in and around trenches, elevated places and confined areas		5	0	5
	PC9. Lift heavy objects safely using correct procedures		5	0	5
	PC10. Apply good housekeeping practices at all times		1	0	1
	PC11. Identify common hazard signs displayed in various areas		6	5	1
	PC12. Retrieve and/or point out documents that refer to health and safety in the workplace		4	0	4
	PC13. Use the various appropriate fire extinguishers on different types of fires correctly		9	5	4
	PC14. Demonstrate rescue techniques applied during fire hazard		10	5	5
	PC15. Demonstrate good housekeeping in order to prevent fire hazards		1	0	1
	PC16. Demonstrate the correct use of a fire extinguisher		4	0	4



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC17. Demonstrate how to free a person from electrocution		5	0	5
	PC18. Administer appropriate first aid to victims as required e.g. in case of bleeding, burns, choking, electric shock, poisoning etc.		10	5	5
	PC19. Demonstrate basic techniques of bandaging		5	0	5
	PC20. Respond promptly and appropriately to an accident situation or medical emergency in real or simulated environments		10	5	5
	PC21. Perform and organize loss minimization or rescue activity during an accident in real or simulated environments		5	0	5
	PC22. Administer first aid to victims in case of a heart attack or cardiac arrest due to electric shock, before the arrival of emergency services in real or simulated cases		5	0	5
	PC23. Demonstrate the artificial respiration and the CPR Process		5	0	5
	PC24. Participate in emergency procedures		5	0	5
	PC25. Complete a written accident/incident report or dictate a report to another person, and send report to person responsible		9	5	4



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC26. Demonstrate correct method to move injured people and others during an emergency		1	0	1
	NOS Total Marks	Total	150	45	105
ISC/N0009: Work effectively with others	PC1. Accurately receive information and instructions from the supervisor and fellow workers, getting clarification where required	100	10	5	5
	PC2. Accurately pass on information to authorized persons who require it and within agreed timescale and confirm its receipt		10	5	5
	PC3. Provide information to others clearly, at a pace and in a manner that helps them to understand		10	0	10
	PC4. Display helpful behavior by assisting others in performing tasks in a positive manner, where required and possible		10	5	5
	PC5. Consult with and assist others to maximize effectiveness and efficiency in carrying out tasks.		10	5	5
	PC6. Display appropriate communication etiquette while working		10	0	10
	PC7. Display active listening skills while interacting with others at work		10	0	10



Assessment outcome (nos)	Assessment criteria	Total marks	Out of	Marks allocation	
				Theory	Skills practical
	PC8. Use appropriate tone, pitch and language to convey politeness, assertiveness, care and professionalism		10	5	5
	PC9. Demonstrate responsible and disciplined behaviors at the workplace		15	5	10
	PC10. Escalate grievances and problems to		5	0	5
	NOS Total Marks	Total	100	30	70
	Grand Total	1000	1000	245	755
	Percentage Weightage:			50%	50%
	Minimum Pass% to qualify (aggregate):			60%	