Qualification Pack

Sr. Technician/ Supervisor - Tool and Die

QP Code: MSME/CSC/Q4801

Version: 1.0

NSQF Level: 4.5

MSME TECHNOLOGY CENTRE ||
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Contents

Qualification Pack

MSME/CSC/Q4801: Sr. Technician/ Supervisor - Tool and Die

Brief Job Description

To get an employment in Engineering/ Manufacturing industries.

Personal Attributes

To get an employment in Engineering/ Manufacturing industries.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. MSME/CSC/N4809: ON JOB TRAINING
2. MSME/CSC/N4807: PROJECT WORK-TOOL & DIE MAKING
3. MSME/CSC/N4804: INDUSTRIAL MANAGEMENT
4. MSME/CSC/N4803: WORKSHOP PRACTICE-V
5. MSME/CSC/N4802: TOOL DESIGN- ADVANCED PLASTIC MOULD
6. MSME/CSC/N4801: TOOL DESIGN- ADVANCED PLASTIC MOULD
7. MSME/CSC/N4810: EMPLOYBILITY SKILL 0000
8. MSME/CSC/N4808: EMPLOYBILITY SKILL 00
9. MSME/CSC/N4806: MAINTENANCE & SAFETY ENGINEERING
10. MSME/CSC/N4805: HYDRAULICS AND PNEUMATICS

Qualification Pack (QP) Parameters

Sector	Capital Goods
Sub-Sector	Machine Tools
Occupation	Tool & Die Making
Country	India

Qualification Pack

NSQF Level	4.5
Credits	40
Aligned to NCO/ISCO/ISIC Code	3115.13 (Tool Room Supervisor)
Minimum Educational Qualification & Experience	Not Applicable (Technician- Tool and Die (Level-4) from MSME Technology Center)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	15 Years
Last Reviewed On	NA
Next Review Date	30/04/2027
NSQC Approval Date	30/04/2024
Version	1.0
Reference code on NQR	QG-4.5-CG-02414-2024-V1-MSME
NQR Version	1.0

MSME/CSC/N4809: ON JOB TRAINING

Description

ON JOB TRAINING

Scope

The scope covers the following :

- ON JOB TRAINING

Elements and Performance Criteria

MSME/DTE/40 ON JOB TRAING

To be competent, the user/individual on the job must be able to:

PC1. • OJT Report:
• Mentioning the process and procedure carried by the
• trainee for completing the assign task duly endorsed by
• the authorized personnel and The report must contain:
• ● Details of Department/ Organization
• ● Brief Job description & work activity
• ● Specific problem faces if any with the solution.
• ● Technical Books referred during the OJT
• ● Conclusion

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/40 ON JOB TRAING	-	-	100	100
PC1. • OJT Report: • Mentioning the process and procedure carried by the • trainee for completing the assign task duly endorsed by • the authorized personnel and The report must contain: • ● Details of Department/ Organization • ● Brief Job description & work activity • ● Specific problem faces if any with the solution. • ● Technical Books referred during the OJT • ● Conclusion	-	-	-	-
NOS Total	-	-	100	100

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4809
NOS Name	ON JOB TRAINING
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	18
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4807: PROJECT WORK-TOOL & DIE MAKING

Description

Get knowledge about practical work in workshop

Scope

The scope covers the following :

- Get knowledge about practical work in workshop

Elements and Performance Criteria

MSME/DTE/38 PROJECT WORK-TOOL & DIE MAKING

To be competent, the user/individual on the job must be able to:

PC1. • Project Report Mentioning the process and procedure carried by
• the trainee for completing the assign task duly endorsed by the
• authorized personnel and The report must contain:
• □ Details of Department/ Organization
• □ Brief Job description & work activity
• □ Specific problem faces if any with the solution.
• □ Technical Books referred during the OJT
• □ Conclusion

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/38 PROJECT WORK-TOOL & DIE MAKING	-	100	-	-
PC1. • Project Report Mentioning the process and procedure carried by • the trainee for completing the assign task duly endorsed by the • authorized personnel and The report must contain: • □ Details of Department/ Organization • □ Brief Job description & work activity • □ Specific problem faces if any with the solution. • □ Technical Books referred during the OJT • □ Conclusion	-	-	-	-
NOS Total	-	100	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4807
NOS Name	PROJECT WORK-TOOL & DIE MAKING
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	3
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4804: INDUSTRIAL MANAGEMENT

Description

Get knowledge about the management concepts, human behavior, organizational structure, supervisory functions.

Scope

The scope covers the following :

- Get knowledge about the management concepts, human behavior, organizational structure, supervisory
- functions.

Elements and Performance Criteria

MSME/DTE/35 INDUSTRIAL MANAGEMENT

To be competent, the user/individual on the job must be able to:

PC1. • understand the system concept, management concept and
• scientific management

PC2. Human relation

PC3. Structure of Industrial organization

PC4. Supervision & leadership

PC5. Industrial legislation

PC6. Wages and incentives

PC7. Accounting & budgeting

PC8. Purchase management

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/35 INDUSTRIAL MANAGEMENT	**100**	**-**	**-**	**-**
PC1. • understand the system concept, management concept and • scientific management	-	-	-	-
PC2. Human relation	-	-	-	-
PC3. Structure of Industrial organization	-	-	-	-
PC4. Supervision & leadership	-	-	-	-
PC5. Industrial legislation	-	-	-	-
PC6. Wages and incentives	-	-	-	-
PC7. Accounting & budgeting	-	-	-	-
PC8. Purchase management	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4804
NOS Name	INDUSTRIAL MANAGEMENT
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	2
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4803: WORKSHOP PRACTICE-V

Description

Get knowledge about practical work in workshop.

Scope

The scope covers the following :

- Get knowledge about practical work in workshop.

Elements and Performance Criteria

MSME/DTE/34 WORKSHOP PRACTICE-V

To be competent, the user/individual on the job must be able to:

PC1. • understand about selection of component according to the • requirement

PC2. • understand about component design based on the • selection of component and also selecting material as well.

PC3. • understand about material testing and selection based on • the selection of component and also selecting material as • well.

PC4. • understand about design of mould for the component • according to the requirement.

PC5. • understand about Design of core and cavity insert • material based on component.

PC6. • learn about preparation of part process sheet of various • parts of press tool.

PC7. • understand according to the design proper selection raw • material size and finally manufacturing the various parts of • the mould.

PC8. • learn about the assembly sequences of manufactured • mould parts during the workshop practice

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/34 WORKSHOP PRACTICE-V	**-**	**100**	**-**	**-**
PC1. • understand about selection of component according to the • requirement	-	-	-	-
PC2. • understand about component design based on the • selection of component and also selecting material as well.	-	-	-	-
PC3. • understand about material testing and selection based on • the selection of component and also selecting material as • well.	-	-	-	-
PC4. • understand about design of mould for the component • according to the requirement.	-	-	-	-
PC5. • understand about Design of core and cavity insert • material based on component.	-	-	-	-
PC6. • learn about preparation of part process sheet of various • parts of press tool.	-	-	-	-
PC7. • understand according to the design proper selection raw • material size and finally manufacturing the various parts of • the mould.	-	-	-	-
PC8. • learn about the assembly sequences of manufactured • mould parts during the workshop practice	-	-	-	-
NOS Total	**-**	**100**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4803
NOS Name	WORKSHOP PRACTICE-V
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	8
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4802: TOOL DESIGN- ADVANCED PLASTIC MOULD

Description

Understand different types of moulding methods.

Scope

The scope covers the following :

- Understand different types of moulding methods.

Elements and Performance Criteria

MSME/DTE/33 TOOL DESIGN- ADVANCED PLASTIC MOULD

To be competent, the user/individual on the job must be able to:

PC1. Understand the classification of plastic.

PC2. Get knowledge about the concept of mould.

PC3. Application of mould.

PC4. Different types of injection moulding machine.

PC5. • Functions of compression moulding machines and their
• process application

PC6. Transfer moulding machine and process

PC7. • Functions of transfer moulding machines and their process
• application

PC8. understand the hot runner system,

PC9. feeding system,

PC10. heating system,

PC11. ejection system,

PC12. core & cavity retainer plates

PC13. Transfer mould and application

PC14. • understand different types of mould compression moulds
• and transfer moulds

PC15. • Get knowledge about different parts of mould according
• to different types of mould.

PC16. • Get knowledge about parting surface , relief of parting
• surface

PC17. Get knowledge about selection of material for all parts.

PC18. • Understand process of manufacturing of each parts its
• costing of manufacturing.

PC19. Perfect design of plastic mould.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/33 TOOL DESIGN- ADVANCED PLASTIC MOULD	-	100	-	-
PC1. Understand the classification of plastic.	-	-	-	-
PC2. Get knowledge about the concept of mould.	-	-	-	-
PC3. Application of mould.	-	-	-	-
PC4. Different types of injection moulding machine.	-	-	-	-
PC5. • Functions of compression moulding machines and their • process application	-	-	-	-
PC6. Transfer moulding machine and process	-	-	-	-
PC7. • Functions of transfer moulding machines and their process • application	-	-	-	-
PC8. understand the hot runner system,	-	-	-	-
PC9. feeding system,	-	-	-	-
PC10. heating system,	-	-	-	-
PC11. ejection system,	-	-	-	-
PC12. core & cavity retainer plates	-	-	-	-
PC13. Transfer mould and application	-	-	-	-
PC14. • understand different types of mould compression moulds • and transfer moulds	-	-	-	-
PC15. • Get knowledge about different parts of mould according • to different types of mould.	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC16. • Get knowledge about parting surface , relief of parting • surface	-	-	-	-
PC17. Get knowledge about selection of material for all parts.	-	-	-	-
PC18. • Understand process of manufacturing of each parts its • costing of manufacturing.	-	-	-	-
PC19. Perfect design of plastic mould.	-	-	-	-
NOS Total	**-**	**100**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4802
NOS Name	TOOL DESIGN- ADVANCED PLASTIC MOULD
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	1
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4801: TOOL DESIGN- ADVANCED PLASTIC MOULD

Description

Understand different types of moulding methods.

Scope

The scope covers the following :

- Understand different types of moulding methods.

Elements and Performance Criteria

MSME/DTE/33 TOOL DESIGN- ADVANCED PLASTIC MOULD

To be competent, the user/individual on the job must be able to:

PC1. Understand the classification of plastic.

PC2. Get knowledge about the concept of mould.

PC3. Application of mould.

PC4. Different types of injection moulding machine.

PC5. • Functions of compression moulding machines and their
• process application

PC6. Transfer moulding machine and process

PC7. • Functions of transfer moulding machines and their process
• application

PC8. understand the hot runner system,

PC9. feeding system,

PC10. heating system,

PC11. ejection system,

PC12. core & cavity retainer plates

PC13. Transfer mould and application

PC14. • understand different types of mould compression moulds
• and transfer moulds

PC15. • Get knowledge about different parts of mould according
• to different types of mould.

PC16. • Get knowledge about parting surface , relief of parting
• surface

PC17. Get knowledge about selection of material for all parts.

PC18. • Understand process of manufacturing of each parts its
• costing of manufacturing.

PC19. Perfect design of plastic mould.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/33 TOOL DESIGN- ADVANCED PLASTIC MOULD	**100**	**-**	**-**	**-**
PC1. Understand the classification of plastic.	-	-	-	-
PC2. Get knowledge about the concept of mould.	-	-	-	-
PC3. Application of mould.	-	-	-	-
PC4. Different types of injection moulding machine.	-	-	-	-
PC5. • Functions of compression moulding machines and their • process application	-	-	-	-
PC6. Transfer moulding machine and process	-	-	-	-
PC7. • Functions of transfer moulding machines and their process • application	-	-	-	-
PC8. understand the hot runner system,	-	-	-	-
PC9. feeding system,	-	-	-	-
PC10. heating system,	-	-	-	-
PC11. ejection system,	-	-	-	-
PC12. core & cavity retainer plates	-	-	-	-
PC13. Transfer mould and application	-	-	-	-
PC14. • understand different types of mould compression moulds • and transfer moulds	-	-	-	-
PC15. • Get knowledge about different parts of mould according • to different types of mould.	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC16. • Get knowledge about parting surface , relief of parting • surface	-	-	-	-
PC17. Get knowledge about selection of material for all parts.	-	-	-	-
PC18. • Understand process of manufacturing of each parts its • costing of manufacturing.	-	-	-	-
PC19. Perfect design of plastic mould.	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4801
NOS Name	TOOL DESIGN- ADVANCED PLASTIC MOULD
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	1
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4810: EMPLOYBILITY SKILL 0000

Description

Understanding employbility skills

Scope

The scope covers the following :

- Understanding employbility skills

Elements and Performance Criteria

MSME/DTE/41 EMPLOYBILITY SKILL

To be competent, the user/individual on the job must be able to:

PC1. Create a career development plan.

PC2. identify well-defined short- and long-term goals

PC3. Draft a professional Curriculum Vitae (CV)

PC4. • Do job search sources on employment exchanges,
• recruitment agencies, and job portals respectively

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/41 EMPLOYBILITY SKILL	**100**	**-**	**-**	**-**
PC1. Create a career development plan.	-	-	-	-
PC2. identify well-defined short- and long-term goals	-	-	-	-
PC3. Draft a professional Curriculum Vitae (CV)	-	-	-	-
PC4. • Do job search sources on employment exchanges, • recruitment agencies, and job portals respectively	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4810
NOS Name	EMPLOYBILITY SKILL 0000
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	2
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4808: EMPLOYBILITY SKILL 00

Description

Understand about employability

Scope

The scope covers the following :

- Understand about employability

Elements and Performance Criteria

MSME/DTE/39 EMPLOYBILITY SKILL

To be competent, the user/individual on the job must be able to:

PC1. • The process of identifying opportunities for potential
• business and relevant regulatory and statutory
• requirements

PC2. A sample business plan

PC3. Different types of customers

PC4. Various tools used to collect customer feedback

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/39 EMPLOYBILITY SKILL	**100**	**-**	**-**	**-**
PC1. • The process of identifying opportunities for potential • business and relevant regulatory and statutory • requirements	-	-	-	-
PC2. A sample business plan	-	-	-	-
PC3. Different types of customers	-	-	-	-
PC4. Various tools used to collect customer feedback	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4808
NOS Name	EMPLOYBILITY SKILL 00
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	2
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4806: MAINTENANCE & SAFETY ENGINEERING

Description

Understand the basics of maintenance and general practice in industry.

Scope

The scope covers the following :

- Understand the basics of maintenance and general practice in industry.

Elements and Performance Criteria

MSME/DTE/37 MAINTENANCE & SAFETY ENGINEERING

To be competent, the user/individual on the job must be able to:

PC1. Understand importance of maintenance, need and scope

PC2. Understand methods of maintenance, preparation methods

PC3. • To understand effects of wear on performance, methods of
• measurement of wear

PC4. Understand types of lubricants

PC5. Lubricating methods

PC6. Procedure of applying lubrication.

PC7. • Understand troubles during maintenance and their
• remedies

PC8. Understand leakages and its prevention methods

PC9. • Understand types of assembly and disassembly and its
• procedure

PC10. • Understand hydraulic system, pneumatic system, valves,
• cylinder

PC11. • Understand the importance of preventive maintenance in
• industry, methods of preventive maintenance

PC12. • Understand the safety principles and practices, safe
• layout, safety aspects of machines to include putting
• guards, provision of interlocking and vibration damping
• etc.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/37 MAINTENANCE & SAFETY ENGINEERING	**100**	**-**	**-**	**-**
PC1. Understand importance of maintenance, need and scope	-	-	-	-
PC2. Understand methods of maintenance, preparation methods	-	-	-	-
PC3. • To understand effects of wear on performance, methods of • measurement of wear	-	-	-	-
PC4. Understand types of lubricants	-	-	-	-
PC5. Lubricating methods	-	-	-	-
PC6. Procedure of applying lubrication.	-	-	-	-
PC7. • Understand troubles during maintenance and their • remedies	-	-	-	-
PC8. Understand leakages and its prevention methods	-	-	-	-
PC9. • Understand types of assembly and disassembly and its • procedure	-	-	-	-
PC10. • Understand hydraulic system, pneumatic system, valves, • cylinder	-	-	-	-
PC11. • Understand the importance of preventive maintenance in • industry, methods of preventive maintenance	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. • Understand the safety principles and practices, safe • layout, safety aspects of machines to include putting • guards, provision of interlocking and vibration damping • etc.	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4806
NOS Name	MAINTENANCE & SAFETY ENGINEERING
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	2
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

MSME/CSC/N4805: HYDRAULICS AND PNEUMATICS

Description

Grasp the basics of hydraulics and pneumatics and be aware of the safety measures associated with these systems.

Scope

The scope covers the following :

- Grasp the basics of hydraulics and pneumatics and be aware of the safety measures associated with these
- systems.

Elements and Performance Criteria

MSME/DTE/36 HYDRAULICS AND PNEUMATICS

To be competent, the user/individual on the job must be able to:

PC1. • Grasp the basics of hydraulics and pneumatics and be • aware of the safety measures associated with these • systems.

PC2. • Analyze fluid properties and understand how pressure and • flow affect fluid behavior.

PC3. • Students will be proficient in designing, assembling, and • troubleshooting hydraulic systems.

PC4. • Students will gain the skills required to design, build, and • maintain pneumatic systems.

PC5. • Students will understand the diverse applications of fluid • power systems in industrial settings

PC6. • Students will be aware of advanced fluid power • technologies and future trends in the field.

PC7. • Students will demonstrate their ability to apply their • knowledge to a real-world project and pass the final • assessment.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
MSME/DTE/36 HYDRAULICS AND PNEUMATICS	**100**	**-**	**-**	**-**
PC1. • Grasp the basics of hydraulics and pneumatics and be • aware of the safety measures associated with these • systems.	-	-	-	-
PC2. • Analyze fluid properties and understand how pressure and • flow affect fluid behavior.	-	-	-	-
PC3. • Students will be proficient in designing, assembling, and • troubleshooting hydraulic systems.	-	-	-	-
PC4. • Students will gain the skills required to design, build, and • maintain pneumatic systems.	-	-	-	-
PC5. • Students will understand the diverse applications of fluid • power systems in industrial settings	-	-	-	-
PC6. • Students will be aware of advanced fluid power • technologies and future trends in the field.	-	-	-	-
PC7. • Students will demonstrate their ability to apply their • knowledge to a real-world project and pass the final • assessment.	-	-	-	-
NOS Total	**100**	**-**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	MSME/CSC/N4805
NOS Name	HYDRAULICS AND PNEUMATICS
Sector	Capital Goods
Sub-Sector	
Occupation	Tool & Die Making
NSQF Level	4.5
Credits	1
Version	1.0
Last Reviewed Date	30/04/2024
Next Review Date	30/04/2027
NSQC Clearance Date	30/04/2024

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

As per QP

Minimum Aggregate Passing % at QP Level : 40

(**Please note**: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Minimum Passing % at NOS Level: 40

(**Please note**: A Trainee must score the minimum percentage for each NOS separately as well as on the QP as a whole.)

Assessment Weightage

Compulsory NOS

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/CSC/N4809.ON JOB TRAINING	-	-	100	100	200	10
MSME/CSC/N4807.PROJECT WORK-TOOL & DIE MAKING	-	100	-	-	100	10
MSME/CSC/N4804.INDUSTRIAL MANAGEMENT	100	-	-	-	100	10
MSME/CSC/N4803.WORKSHOP PRACTICE-V	-	100	-	-	100	10
MSME/CSC/N4802.TOOL DESIGN-ADVANCED PLASTIC MOULD	-	100	-	-	100	10
MSME/CSC/N4801.TOOL DESIGN-ADVANCED PLASTIC MOULD	100	-	-	-	100	10
MSME/CSC/N4810.EMPLOYBILITY SKILL 0000	100	-	-	-	100	10
MSME/CSC/N4808.EMPLOYBILITY SKILL 00	100	-	-	-	100	10
MSME/CSC/N4806.MAINTENANCE & SAFETY ENGINEERING	100	-	-	-	100	10
MSME/CSC/N4805.HYDRAULICS AND PNEUMATICS	100	-	-	-	100	10
Total	**600**	**300**	**100**	**100**	**1100**	**100**

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.