

Qualification Pack



Assistant Carpenter - Wooden Furniture

QP Code: FFS/Q0103

NSQF Level: 3

Furniture and Fittings Skill Council || 407-408, DLF City Court, M G Road, Sikanderpur
Gurgaon - 122002

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FFS/Q0103: Assistant Carpenter - Wooden Furniture

Brief Job Description

Assistant furniture carpenters assist the lead/senior carpenters in making / repairing of furniture and fixtures by studying the technical drawings, measuring, cutting and shaping the raw material, joining and installation of parts for converting into finished furniture product.

Personal Attributes

An Assistant carpenter should have knowledge of different types of furniture, comprehend drawings and manufacturing of furniture .S/he should have the ability to carry out tasks and good planning skills. S/he should be physically fit, have attention to detail and ability to measure and cut material with good mathematical skills and accuracy . S/he should have knowledge of tools, good hand eye coordination and flexible in adapting style of work to different types of furniture and furniture design.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [FFS/N0104: Assist in furniture planning and organizing work to meet expected outcome](#)
2. [FFS/N0105: Assist in furniture making](#)
3. [FFS/N8501: Maintain work area, tools and machines](#)
4. [FFS/N8601: Ensure health and safety at workplace](#)
5. [FFS/N8801: Work effectively with others](#)

Qualification Pack (QP) Parameters

Sector	Furniture & Fittings
Sub-Sector	Wooden Furniture
Occupation	Production- Wooden Furniture
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7115.0100 & NCO-2015/7115.0500

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Minimum Educational Qualification & Experience	5th Class with 0-6 Months of experience relevant experience OR 5th Class OR 5th Class
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	Usage of power tools and basic computer usage training- suggested but not mandatory
Minimum Job Entry Age	18 Years
Last Reviewed On	12/07/2017
Next Review Date	12/07/2020
NSQC Approval Date	03/08/2018
Version	1.0

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FFS/N0104: Assist in furniture planning and organizing work to meet expected outcome

Description

This OS unit is about assisting in planning and organizing before initiating the making of furniture in order to meet expected quality in the established time frame.

Elements and Performance Criteria

Work Assessment

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

- PC1.** understand the nature of work & requirement in terms of style, shape, design pattern, dimensions etc. and detailing of work needed on furniture from the supervisor
- PC2.** get clarity on the timelines before work initiation
- PC3.** assist in compliance to all the required documentation
- PC4.** assist in preparing sketches as per requirements of the customer in case of absence of such drawing/sketch and seek requisite approvals

Tool planning and material gathering

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

- PC5.** support in selecting and gathering the appropriate tools and equipments needed for making of furniture such as hammer, saw, circular saw, chisel, measuring tape, driller machine, measuring tape, planning tools (e.g. electric planer, hand plane), sanding tools (e.g. sand paper, belt sander) etc.
- PC6.** collect the wood raw material and all hardware materials (e.g. nails, adhesives etc.) needed and assist in undertaking procurement if in shortage, post supervisor approval
- PC7.** check if the required tools and equipments /machines/other materials are in proper working condition
- PC8.** assist the lead/supervisor in identifying any shortage or defect in raw materials and raising a request if any specific tool/equipment is needed for the work
- PC9.** arrange /place the raw materials and tools in an appropriate manner to have enough space to work and seek supervisor guidance if needed

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** about various organizational processes and procedures, code of conduct, reporting matrix and escalation hierarchy
- KU2.** about organisation products and services
- KU3.** information about the organisation clients and previous design developed
- KU4.** common hazards in the work area and relevant safety and security procedures/manuals to be followed
- KU5.** waste disposal policy

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- KU6.** the organisation documentation and reporting policy
- KU7.** work specifications and interpret them accurately
- KU8.** usage of tools and equipments . Tools e.g. : hand saw, circular saw, chisel, planes, hammer ,measuring tape, try square , hand plane, electric planer, spoke shave, rasp, file, sand paper, belt sander, orbital sander etc.
- KU9.** knowledge of safe handling of tools and equipments
- KU10.** preparing , reading and interpreting 2D / 3D drawings
- KU11.** taking measurements of length, width & depth of various materials and accordingly working with accuracy
- KU12.** knowledge of kind of wood and their properties
- KU13.** know how about loading and unloading of wood and other materials
- KU14.** about making of wooden furniture and various steps involved in making furniture
- KU15.** knowledge of materials/hardware e.g. screws, nails, adhesives etc. used
- KU16.** safety standards and precautions to be taken and different types of personal protective gear and their usage
- KU17.** Standard Operating Procedures
- KU18.** common issues troubleshooting knowledge

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write reports, information documents to internal departments/ internal teams
- GS2.** keep updated with latest trends and knowledge by reading magazines/research material
- GS3.** read internal information documents sent by internal teams
- GS4.** discuss task lists, schedules and activities
- GS5.** effectively communicate with team members and customers
- GS6.** attentively listen and comprehend the information given by the speaker
- GS7.** communicate clearly on the issues being faced and clarify queries
- GS8.** share best practices with peers
- GS9.** ability to troubleshoot common concerns faced
- GS10.** take appropriate decisions related to own responsibilities to deliver within prescribed time and as per quality standards
- GS11.** plan ,organize and prioritize the work order and jobs received
- GS12.** ability to organize and conduct work in optimal manner
- GS13.** plan to utilize time and equipment's effectively
- GS14.** ability to concentrate on task and ability to complete with time limits
- GS15.** assist in record keeping and proper documentation
- GS16.** understand customer requirements and time lines and respond as per their needs
- GS17.** support lead/manager in solving problems by detailing and discussing the possible solutions
- GS18.** ability to quickly identify common causes of errors and help in resolution

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- GS19.** apply domain information/knowledge and assess day to day tasks through experience and observation, to identify control measures to solve issues
- GS20.** provide suggestions to further streamline process
- GS21.** use reasoning skills to identify and resolve basic problems
- GS22.** use acquired knowledge of the process and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Work Assessment</i>	8	35	-	-
PC1. understand the nature of work & requirement in terms of style, shape, design pattern, dimensions etc. and detailing of work needed on furniture from the supervisor	3	12	-	-
PC2. get clarity on the timelines before work initiation	1	6	-	-
PC3. assist in compliance to all the required documentation	2	8	-	-
PC4. assist in preparing sketches as per requirements of the customer in case of absence of such drawing/sketch and seek requisite approvals	2	9	-	-
<i>Tool planning and material gathering</i>	12	45	-	-
PC5. support in selecting and gathering the appropriate tools and equipments needed for making of furniture such as hammer, saw, circular saw ,chisel, measuring tape, driller machine ,measuring tape, planning tools (e.g. electric planer, hand plane) ,sanding tools (e.g. sand paper, belt sander) etc.	3	10	-	-
PC6. collect the wood raw material and all hardware materials (e.g. nails , adhesives etc.) needed and assist in undertaking procurement if in shortage, post supervisor approval	2	10	-	-
PC7. check if the required tools and equipments /machines/other materials are in proper working condition	2	8	-	-
PC8. assist the lead/supervisor in identifying any shortage or defect in raw materials and raising a request if any specific tool/equipment is needed for the work	3	9	-	-
PC9. arrange /place the raw materials and tools in an appropriate manner to have enough space to work and seek supervisor guidance if needed	2	8	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	20	80	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	FFS/N0104
NOS Name	Assist in furniture planning and organizing work to meet expected outcome
Sector	Furniture & Fittings
Sub-Sector	Wooden Furniture
Occupation	Production- Wooden Furniture
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	12/07/2017
Next Review Date	12/07/2020
NSQC Clearance Date	03/08/2018

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FFS/N0105: Assist in furniture making

Description

This OS unit is about assisting the lead/senior colleague in performing work of cutting, shaping and assembling involved in making wooden furniture.

Elements and Performance Criteria

Cutting and shaping

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

- PC1.** study all the technical drawings and help in marking on the wood as per the dimensions in the drawing using try-square, scribe, etc.
- PC2.** cut the wood as per the specified measurements using appropriate tools and equipments. E.g. hand saw, table saw, circular saw, chisels, cutter machine etc.
- PC3.** check that the cut components are in line with the design specifications
- PC4.** assist in giving a shape to the furniture component e.g. round or oval etc., as per the drawing using appropriate tools and run a planer over the wooden surface. Tools e.g. saw, hand router, rasp, file, hand plane, electric planer, spoke shave etc.
- PC5.** place the cut components in an appropriate manner
- PC6.** assist in marking and making provision for joineries on wooden components and facilitate joining by using adhesive, nail or screws
- PC7.** cut laminate/veneer sheet to size in case stated in design and paste with adhesive on the surface of furniture

Assist in assembling of components

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

- PC8.** assist in placing the furniture components/parts according to the drawing and as required for joining
- PC9.** assemble the components using joinery and ensuring correct fit and secure them in position by using hardware like screws, nails, dowel, adhesives etc.
- PC10.** assist in covering all the open edges using tape or putty etc.
- PC11.** support in smoothening all the wooden surfaces using sanding tools. E.g.- sand paper, belt sander, orbital sander etc. and polishing if needed and finishing it to required specifications
- PC12.** smoothen the component or repair/replace the parts as needed for an old structure, as per seniors guidance received
- PC13.** assist in gathering all the hardware fittings that are required to be fitted onto the furniture basis the design. E.g. door and cabinet hinges, latches, drawer sliding channels etc.
- PC14.** put markings on the furniture and using appropriate tools fasten /place the fittings at the required place. Tools e.g. drill machine, hammer etc.
- PC15.** support in checking for overall accuracy and quality in terms of measurements, fitting of assembled parts, rigidity, steadiness, levelling etc
- PC16.** rectify if any defects are found or incorporate if any improvement feedback is received
- PC17.** wipe the furniture to remove any dust etc
- PC18.** gather all the tools and remove from the site

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PC19. remove all the debris from the site and clean the work area in accordance with organization policy

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** about various organizational processes and procedures, code of conduct, reporting matrix and escalation hierarchy
- KU2.** about organisation products and services
- KU3.** information about the organisation clients and previous design developed
- KU4.** common hazards in the work area and relevant safety and security procedures/manuals to be followed
- KU5.** waste disposal policy
- KU6.** about organisation documentation and reporting policy
- KU7.** work specifications and interpret them accurately
- KU8.** usage of tools and equipments . Tools e.g. : hand saw, circular saw, chisel, planes, hammer ,measuring tape, try square , hand plane, electric planer, spoke shave, rasp, file, sand paper, belt sander, orbital sander etc.
- KU9.** knowledge of safe handling of tools and equipments
- KU10.** preparing , reading and interpreting 2D / 3D drawings
- KU11.** knowledge of kind of wood and their properties
- KU12.** know how about loading and unloading of wood and other materials
- KU13.** taking measurements of length, width & depth of various materials and working with precision
- KU14.** knowledge of kinds of locks and their installation and working mechanism
- KU15.** making of wooden furniture and techniques via various stages involved of cutting, shaping, assembling, fitting of hardware etc
- KU16.** about different methods of joints such as half lap, dove-tail, butt joint, overlap joint, tenon/bridle joint, dowel joint etc.
- KU17.** current market trends and customer preferences
- KU18.** effective communication and presentation skills
- KU19.** knowledge of materials/hardware e.g. screws, nails, adhesives etc. used
- KU20.** safety standards and precautions to be taken and different types of personal protective gear and their usage
- KU21.** Standard Operating Procedures
- KU22.** common issues troubleshooting knowledge

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** document the information communicated /observations if any related to process

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- GS2.** write reports, information documents to internal departments/ internal teams
- GS3.** keep updated with latest trends and knowledge by reading magazines/research material
- GS4.** read and interpret the process required for conducting the assigned work
- GS5.** read internal information documents sent by internal teams
- GS6.** discuss task lists, schedules and activities
- GS7.** effectively communicate with team members and customers
- GS8.** attentively listen and comprehend the information given by the speaker
- GS9.** communicate clearly on the issues being faced and clarify queries
- GS10.** share best practices with peers
- GS11.** ability to troubleshoot common concerns faced
- GS12.** take appropriate decisions related to own responsibilities to deliver within prescribed time and as per quality standards
- GS13.** plan ,organize and prioritize the work order and jobs received
- GS14.** ability to organize and conduct work in optimal manner
- GS15.** plan to utilize time and equipment's effectively
- GS16.** ability to concentrate on task and ability to complete with time limits
- GS17.** ability to undertake record keeping and proper documentation
- GS18.** understand customer requirements and time lines and respond as per their needs
- GS19.** being courteous with customers and ability to handle different types of customers
- GS20.** being aware of different customer cultures/faiths and responding appropriately
- GS21.** support lead/manager in solving problems by detailing and discussing the possible solutions
- GS22.** ability to quickly identify common causes of errors and help in resolution
- GS23.** Apply domain information/knowledge and assess day to day tasks through experience and observation, to identify control measures to solve issues
- GS24.** provide suggestions to further streamline process
- GS25.** use reasoning skills to identify and resolve basic problems
- GS26.** use acquired knowledge of the process and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Cutting and shaping</i>	7	33	-	-
PC1. study all the technical drawings and help in marking on the wood as per the dimensions in the drawing using try-square, scribe, etc.	1	5	-	-
PC2. cut the wood as per the specified measurements using appropriate tools and equipments. E.g. hand saw, table saw, circular saw, chisels, cutter machine etc.	1	6	-	-
PC3. check that the cut components are in line with the design specifications	1	4	-	-
PC4. assist in giving a shape to the furniture component e.g. round or oval etc., as per the drawing using appropriate tools and run a planer over the wooden surface. Tools e.g. saw, hand router, rasp, file, hand plane, electric planer, spoke shave etc.	1	6	-	-
PC5. place the cut components in an appropriate manner	1	4	-	-
PC6. assist in marking and making provision for joineries on wooden components and facilitate joining by using adhesive, nail or screws	1	4	-	-
PC7. cut laminate/veneer sheet to size in case stated in design and paste with adhesive on the surface of furniture	1	4	-	-
<i>Assist in assembling of components</i>	13	47	-	-
PC8. assist in placing the furniture components/parts according to the drawing and as required for joining	1	3	-	-
PC9. assemble the components using joinery and ensuring correct fit and secure them in position by using hardware like screws, nails, dowel ,adhesives etc.	1	5	-	-
PC10. assist in covering all the open edges using tape or putty etc.	1	4	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. support in smoothening all the wooden surfaces using sanding tools. E.g.- sand paper, belt sander, orbital sander etc. and polishing if needed and finishing it to required specifications	1	4	-	-
PC12. smoothen the component or repair/replace the parts as needed for an old structure, as per seniors guidance received	1	2	-	-
PC13. assist in gathering all the hardware fittings that are required to be fitted onto the furniture basis the design. E.g. door and cabinet hinges, latches, drawer sliding channels etc.	1	4	-	-
PC14. put markings on the furniture and using appropriate tools fasten /place the fittings at the required place. Tools e.g. drill machine, hammer etc.	2	6	-	-
PC15. support in checking for overall accuracy and quality in terms of measurements, fitting of assembled parts, rigidity, steadiness, levelling etc	1	5	-	-
PC16. rectify if any defects are found or incorporate if any improvement feedback is received	1	4	-	-
PC17. wipe the furniture to remove any dust etc	1	3	-	-
PC18. gather all the tools and remove from the site	1	3	-	-
PC19. remove all the debris from the site and clean the work area in accordance with organization policy	1	4	-	-
NOS Total	20	80	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	FFS/N0105
NOS Name	Assist in furniture making
Sector	Furniture & Fittings
Sub-Sector	Wooden Furniture
Occupation	Production- Wooden Furniture
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	12/07/2017
Next Review Date	12/07/2020
NSQC Clearance Date	03/08/2018

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FFS/N8501: Maintain work area, tools and machines

Description

This OS unit is about organizing / maintaining work area and activities to ensure tools and machines are maintained as per norms

Elements and Performance Criteria

Maintenance of workarea, tools and machines

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

- PC1.** handle materials, machinery, equipment and tools safely and correctly
- PC2.** use correct handling procedures
- PC3.** use materials to minimize waste
- PC4.** prepare and organize work
- PC5.** maintain a clean and hazard free working area
- PC6.** deal with work interruptions
- PC7.** maintain tools equipment and consumables
- PC8.** work in a comfortable position with the correct posture
- PC9.** use cleaning equipment and methods appropriate for the work to be carried out
- PC10.** dispose of waste safely in the designated location
- PC11.** store cleaning equipment safely after use
- PC12.** ensure safe and correct handling of materials, equipment and tools
- PC13.** maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures followed in the company
- KU2.** expectations and responsibilities of the job role
- KU3.** the organizations rules, codes, guidelines and standards
- KU4.** statutory responsibilities, organizational legislation and regulations
- KU5.** contact person in case of queries on procedure or products
- KU6.** method to handle tools and equipment safely and the health and safety implications of not doing so
- KU7.** escalation matrix
- KU8.** relevant health and safety requirements applicable in the work place
- KU9.** who to approach for support in order to obtain work related instructions, clarifications and support
- KU10.** importance of following health, hygiene, safety and quality standards
- KU11.** work instructions and specifications and interpret them accurately

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- KU12.** method to make use of the information detailed in specifications and instructions
- KU13.** different ways of minimizing waste
- KU14.** effects of contamination on products i.e. dirt, water and from other work happening on the site
- KU15.** Common faults with equipment and the method to rectify them
- KU16.** maintenance procedures of tools, equipment and consumables as per manufacturers instructions
- KU17.** Hazards likely to be encountered when conducting routine maintenance
- KU18.** different types of cleaning equipment and substances and their use
- KU19.** safe working practices for cleaning and the method of carrying them out

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in Hindi or local language
- GS2.** fill logs, forms and formats in local language or Hindi for recording quantity and quality of work figures, defects and other related information, etc. whenever needed
- GS3.** fill formats, logs and forms related to work in local language or Hindi/English
- GS4.** document measurement appropriately whenever required
- GS5.** read instructions from supervisor provided in local language or Hindi
- GS6.** read and understand manufacturers instructions and job specifications
- GS7.** interpret pictorial representations and written signs or instructions
- GS8.** read and interpret numbers written in Hindi or local language
- GS9.** understand safety symbols and basic warning signs wherever needed
- GS10.** communicate effectively with team members, supervisors, managers etc.
- GS11.** seek clarification on any unclear instructions in locally understood language
- GS12.** take decisions of once own roles and responsibilities
- GS13.** decide on material requirement for related to once work
- GS14.** decide on to accept or reject a work piece on the basis of quality parameter
- GS15.** plan and organize own work in a way that all activities are completed in time and as per specifications
- GS16.** plan word as per job specification
- GS17.** plan and organize cleaning and maintenance activities
- GS18.** work and deliver output as per client requirement and satisfaction
- GS19.** identify any defects in materials, tools and equipment and ways to resolve them
- GS20.** determine timely correction of errors to minimize rejection of pieces or rework
- GS21.** Analyse the situation and take appropriate actions while dealing with team members
- GS22.** analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintenance of workarea, tools and machines</i>				
PC1. handle materials, machinery, equipment and tools safely and correctly	4	4	-	-
PC2. use correct handling procedures	4	4	-	-
PC3. use materials to minimize waste	4	4	-	-
PC4. prepare and organize work	4	4	-	-
PC5. maintain a clean and hazard free working area	4	4	-	-
PC6. deal with work interruptions	4	4	-	-
PC7. maintain tools equipment and consumables	4	4	-	-
PC8. work in a comfortable position with the correct posture	4	4	-	-
PC9. use cleaning equipment and methods appropriate for the work to be carried out	4	4	-	-
PC10. dispose of waste safely in the designated location	5	3	-	-
PC11. store cleaning equipment safely after use	3	4	-	-
PC12. ensure safe and correct handling of materials, equipment and tools	3	4	-	-
PC13. maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration	3	3	-	-
NOS Total	50	50	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	FFS/N8501
NOS Name	Maintain work area, tools and machines
Sector	Furniture & Fittings
Sub-Sector	Generic
Occupation	Generic
NSQF Level	3
Credits	NA
Version	1.0
Last Reviewed Date	12/07/2017
Next Review Date	12/07/2020
NSQC Clearance Date	03/08/2018

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FFS/N8601: Ensure health and safety at workplace

Description

This OS unit covers health, safety and security at the workplace. This includes procedures and practices that candidate need to follow to help maintain a healthy, safe and secure work environment.

Elements and Performance Criteria

Health and Safety

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

- PC1.** work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines
- PC2.** ensure that health and safety instructions applicable to the work place are being followed
- PC3.** check the worksite for any possible health and safety hazards
- PC4.** Follow manufacturers instructions and job specifications relating to safe use of materials specifically chemicals and power equipment
- PC5.** ensure safe handling and disposal of waste and debris
- PC6.** identify and report any hazards and potential risks/ threats to supervisors or other authorized personnel
Hazards: sharp edged tools, hazardous surfaces, physical hazards, electrical hazards, health hazards from chemicals and other such toxic material etc.
- PC7.** undertake first aid activities in case of any accident, if required and asked to do so
- PC8.** select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines
Personal protective equipment: masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons etc.
- PC9.** maintain correct body posture while standing and working for long hours and carrying heavy materials
- PC10.** lift, carry or move heavy wooden furniture and accessories from one place to another using approved safe working practices
- PC11.** handle all required tools, machines , materials & equipment safely
- PC12.** adhere to relevant occupational safety policies while handling sharp tools to make and install furniture and fittings
- PC13.** take safety measures while handling glass, heavy wood, materials, chemicals etc.
- PC14.** apply good housekeeping practices at all times
Good housekeeping practices: clean/tidy work areas, removal/disposal of waste products, protect surfaces
- PC15.** report accident/incident report to authorized personal
- PC16.** perform basic safety checks before operation of all machines, tools and electrical equipment
- PC17.** follow recommended material handling procedure to control damage and personal injury
- PC18.** follow safe working practices at all times

Dealing with Emergencies

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

- PC19.** follow appropriate procedure in case a of fire emergency

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- PC20.** follow electrical safety measures while working with electrically powered tools & equipment
- PC21.** follow agreed work location procedures in the event of an emergency or an accident
- PC22.** follow emergency and evacuation procedures in case of accidents, fires, natural calamities
- PC23.** Check and ensure general health and safety equipment are available at work site. General health and safety equipment: fire extinguishers; first aid equipment; safety instruments and clothing; safety installations (e.g. fire exits, exhaust fans)
- PC24.** Comply with restrictions imposed on harmful chemicals inside work area during working hours
- PC25.** correctly demonstrate rescue techniques applied during fire hazard
- PC26.** demonstrate good housekeeping in order to prevent fire hazards
- PC27.** demonstrate the correct use of a fire extinguisher
- PC28.** demonstrate how to free a person from electrocution
- PC29.** respond promptly and appropriately to an accident situation or medical emergency
- PC30.** participate in emergency procedures Emergency procedures: raising alarm, safe/efficient, evacuation, correct means of escape, correct assembly point, roll call, correct return to work
- PC31.** use the various appropriate fire extinguishers on different types of fires correctly. Types of fires: Class A: e.g. ordinary solid combustibles, such as wood, paper, cloth, plastic, charcoal, etc.; Class B: flammable liquids and gases, such as gasoline, propane, diesel fuel, tar, cooking oil, and similar substances; Class C: e.g. electrical equipment such as appliances, wiring, breaker panels, etc. These categories of fires become Class A, B, and D fires when the electrical equipment that initiated the fire is no longer receiving electricity); Class D: combustible metals such as magnesium, titanium, and sodium (These fires burn at extremely high temperatures and require special suppression agents)
- PC32.** state methods of accident prevention in the work environment. Methods of accident prevention: training in health and safety procedures; using health and safety procedures; use of equipment and working practices (such as safe carrying procedures); safety notices, advice; instruction from colleagues and supervisors

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** organizational procedures for safe handling of equipment and machine operations
- KU2.** how to respond to emergency situation in line with organisational procedures
- KU3.** reporting protocol and documentation required
- KU4.** whom to contact in case of an emergency
- KU5.** Where to get the list of contact in case of an emergency in the organization
- KU6.** common health and safety hazards in a work environment and related precautions
- KU7.** organizational procedures for safe handling of tools and equipment
- KU8.** how to respond to an emergency situation
- KU9.** potential risks and threats
- KU10.** organizational reporting protocol
- KU11.** health and safety practices at work place
- KU12.** potential hazards and risks which may be present at furniture and fittings related workplace

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- KU13.** storage and handling of hazardous substances
- KU14.** importance of good housekeeping
- KU15.** procedure to be followed for safe disposal of waste
- KU16.** safe working practices in a furniture and fittings related workplace
- KU17.** how to deal with an accident which involve human life
- KU18.** different types of personal protective equipment and their use
- KU19.** how to follow safe working practices while at work
- KU20.** different risks associated with the use of electrical equipment
- KU21.** preventative and remedial actions to be taken in the case of exposure to toxic materials, Exposure: ingested, contact with skin, inhaled Preventative action: ventilation, masks, protective clothing/ equipment); Remedial action: immediate first aid, report to supervisor Toxic materials: solvents, flux, lead
- KU22.** importance of using protective clothing/equipment while working
- KU23.** Various causes of fire
- KU24.** techniques of using the different fire extinguishers
- KU25.** different type of fire extinguishers and their use
- KU26.** various types of safety signs and what they mean
- KU27.** Appropriate basic first aid treatment relevant to the condition eg. shock, electrical shock, bleeding, breaks to bones, minor burns, resuscitation, poisoning, eye injuries, etc.
- KU28.** importance of safe lifting practices and correct body postures
- KU29.** list of names (and job titles if applicable), and the contact details of all the people responsible for health and safety in a workplace

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in Hindi or local language
- GS2.** fill logs, forms and formats in local language or Hindi for recording quantity and quality of work figures, defects and other related information, etc. whenever needed
- GS3.** document measurement appropriately whenever required
- GS4.** read all organizational and equipment related health and safety manuals and documents
- GS5.** read and comprehend safety related documents
- GS6.** communicate effectively with team members, supervisors, managers etc
- GS7.** seek clarification on any unclear instructions in locally understood language
- GS8.** take decisions of once own roles and responsibilities
- GS9.** decide on material requirement for related to once work
- GS10.** decide on to accept or reject a work piece on the basis of quality parameter
- GS11.** plan and organize own work in a way that all activities are completed in time and as per specifications
- GS12.** plan word as per job specification
- GS13.** plan and organize cleaning and maintenance activities

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- GS14.** work and deliver output as per client requirement and satisfaction
- GS15.** identify any defects in materials, tools and equipment and ways to resolve them
- GS16.** determine timely correction of errors to minimize rejection of pieces or rework
- GS17.** analyse the situation and take appropriate actions while dealing with team members
- GS18.** analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Health and Safety</i>	17	39	-	-
PC1. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines	2	1	-	-
PC2. ensure that health and safety instructions applicable to the work place are being followed	1	2	-	-
PC3. check the worksite for any possible health and safety hazards	1	2	-	-
PC4. Follow manufacturers instructions and job specifications relating to safe use of materials specifically chemicals and power equipment	1	2	-	-
PC5. ensure safe handling and disposal of waste and debris	-	3	-	-
PC6. identify and report any hazards and potential risks/ threats to supervisors or other authorized personnel Hazards: sharp edged tools, hazardous surfaces, physical hazards, electrical hazards, health hazards from chemicals and other such toxic material etc.	1	2	-	-
PC7. undertake first aid activities in case of any accident, if required and asked to do so	-	3	-	-
PC8. select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines Personal protective equipment: masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons etc.	-	3	-	-
PC9. maintain correct body posture while standing and working for long hours and carrying heavy materials	-	3	-	-
PC10. lift, carry or move heavy wooden furniture and accessories from one place to another using approved safe working practices	2	2	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. handle all required tools, machines , materials & equipment safely	2	2	-	-
PC12. adhere to relevant occupational safety policies while handling sharp tools to make and install furniture and fittings	-	3	-	-
PC13. take safety measures while handling glass, heavy wood, materials, chemicals etc.	-	3	-	-
PC14. apply good housekeeping practices at all times Good housekeeping practices: clean/tidy work areas, removal/disposal of waste products, protect surfaces	2	1	-	-
PC15. report accident/incident report to authorized personal	1	2	-	-
PC16. perform basic safety checks before operation of all machines, tools and electrical equipment	2	1	-	-
PC17. follow recommended material handling procedure to control damage and personal injury	1	2	-	-
PC18. follow safe working practices at all times	1	2	-	-
<i>Dealing with Emergencies</i>	13	31	-	-
PC19. follow appropriate procedure in case a of fire emergency	1	2	-	-
PC20. follow electrical safety measures while working with electrically powered tools & equipment	2	2	-	-
PC21. follow agreed work location procedures in the event of an emergency or an accident	1	2	-	-
PC22. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	1	2	-	-
PC23. Check and ensure general health and safety equipment are available at work site. General health and safety equipment: fire extinguishers; first aid equipment; safety instruments and clothing; safety installations (e.g. fire exits, exhaust fans)	1	3	-	-
PC24. Comply with restrictions imposed on harmful chemicals inside work area during working hours	-	3	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC25. correctly demonstrate rescue techniques applied during fire hazard	-	3	-	-
PC26. demonstrate good housekeeping in order to prevent fire hazards	-	3	-	-
PC27. demonstrate the correct use of a fire extinguisher	2	1	-	-
PC28. demonstrate how to free a person from electrocution	1	2	-	-
PC29. respond promptly and appropriately to an accident situation or medical emergency	-	3	-	-
PC30. participate in emergency procedures Emergency procedures: raising alarm, safe/efficient, evacuation, correct means of escape, correct assembly point, roll call, correct return to work	-	3	-	-
PC31. use the various appropriate fire extinguishers on different types of fires correctly. Types of fires: Class A: e.g. ordinary solid combustibles, such as wood, paper, cloth, plastic, charcoal, etc.; Class B: flammable liquids and gases, such as gasoline, propane, diesel fuel, tar, cooking oil, and similar substances; Class C: e.g. electrical equipment such as appliances, wiring, breaker panels, etc. These categories of fires become Class A, B, and D fires when the electrical equipment that initiated the fire is no longer receiving electricity); Class D: combustible metals such as magnesium, titanium, and sodium (These fires burn at extremely high temperatures and require special suppression agents)	1	2	-	-
PC32. state methods of accident prevention in the work environment. Methods of accident prevention: training in health and safety procedures; using health and safety procedures; use of equipment and working practices (such as safe carrying procedures); safety notices, advice; instruction from colleagues and supervisors	3	-	-	-
NOS Total	30	70	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	FFS/N8601
NOS Name	Ensure health and safety at workplace
Sector	Furniture & Fittings
Sub-Sector	Generic
Occupation	Generic
NSQF Level	3
Credits	NA
Version	1.0
Last Reviewed Date	12/07/2017
Next Review Date	12/07/2020
NSQC Clearance Date	

Qualification Pack

FFS/N8801: Work effectively with others

Description

This OS unit is about communicating and coordinating with team members including subordinates and superiors.

Elements and Performance Criteria

Interaction with Seniors

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

- PC1.** seek assistance from supervisor or any such appropriate authority as and when required
- PC2.** ask questions and seek clarifications on work tasks whenever required handling procedures
- PC3.** seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel
- PC4.** identify and report any possible deviations to appropriate authority
- PC5.** address the problems effectively and report if required to immediate supervisor appropriately
- PC6.** Receive instructions clearly from superiors and respond effectively on the same
- PC7.** follow escalation matrix in case of any grievance
- PC8.** accurately receive information and instructions from the supervisor related to ones work

Work effectively

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

- PC9.** coordinate and cooperate with colleagues to achieve work objectives
- PC10.** display courteous behaviour at all times
- PC11.** respond politely to customer queries and other team members
- PC12.** follow work place dress code
- PC13.** keep work area in a tidy and organized state
- PC14.** adhere to time lines and quality standards
- PC15.** follow organizational policies and procedures
- PC16.** share information with team wherever and whenever required to enhance quality and productivity at work place
- PC17.** work together with co-workers in a synchronized manner
- PC18.** communicate with others clearly, at a pace and in a manner that helps them to understand
- PC19.** show respect to other and their work
- PC20.** display active listening skills while interacting with others at work
- PC21.** Demonstrate responsible and disciplined behaviors at the workplace disciplined behaviors: e.g. punctuality; completing tasks as per given time and standards; not gossiping and idling time; eliminating waste, honesty, etc.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

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- KU1.** legislation, standards, policies, and procedures followed in the company relevant to own employment and performance conditions
- KU2.** reporting structure, inter-dependent functions, lines and procedures in the work area
- KU3.** relevant people and their responsibilities within the work area
- KU4.** escalation matrix and procedures for reporting work and employment relate issue clarifications and support
- KU5.** importance of working effectively with others to achieve organizations goals
- KU6.** importance of effective communication and establishing good working relationships with other
- KU7.** responsibilities and objectives of the role
- KU8.** own roles and responsibilities
- KU9.** principle of furniture and fittings manufacturing and installation
- KU10.** importance of having correct understanding of work task and objective
- KU11.** how to keep work area clean and tidy and its importance
- KU12.** applicable quality standards for assigned work task and objective
- KU13.** Reporting procedure in case of deviations
- KU14.** importance and need of supporting co-workers facing problems for smooth functioning of work
- KU15.** different type of people that one is required to communicate and coordinate within the organization
- KU16.** various components of communication cycle
- KU17.** importance of active listening
- KU18.** importance of discipline and ethics for professional success
- KU19.** what constitutes disciplined behavior for a working professional
- KU20.** expressing and addressing grievances appropriately and effectively
- KU21.** importance and ways of managing interpersonal conflict effectively

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write in Hindi or local language
- GS2.** fill formats, logs and forms related to work in local language or Hindi/English
- GS3.** document measurement appropriately whenever required
- GS4.** read instructions from supervisor provided in local language or Hindi
- GS5.** read and understand manufacturers instructions and job specifications
- GS6.** interpret pictorial representations and written signs or instructions
- GS7.** read and interpret numbers written in Hindi or local language
- GS8.** understand safety symbols and basic warning signs wherever needed
- GS9.** communicate effectively with team members, supervisors, managers etc.
- GS10.** seek clarification on any unclear instructions in locally understood language
- GS11.** take decisions of once own roles and responsibilities

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- GS12.** decide on material requirement for related to once work
- GS13.** decide on to accept or reject a work piece on the basis of quality parameter
- GS14.** Plan and organize own work in a way that all activities are completed in time and as per specifications
- GS15.** plan word as per job specification
- GS16.** plan and organize cleaning and maintenance activities
- GS17.** work and deliver output as per client requirement and satisfaction
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- GS20.** analyse the situation and take appropriate actions while dealing with team members
- GS21.** analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interaction with Seniors</i>	18	15	-	-
PC1. seek assistance from supervisor or any such appropriate authority as and when required	1	2	-	-
PC2. ask questions and seek clarifications on work tasks whenever required handling procedures	1	2	-	-
PC3. seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel	5	-	-	-
PC4. identify and report any possible deviations to appropriate authority	1	2	-	-
PC5. address the problems effectively and report if required to immediate supervisor appropriately	2	3	-	-
PC6. Receive instructions clearly from superiors and respond effectively on the same	1	2	-	-
PC7. follow escalation matrix in case of any grievance	4	2	-	-
PC8. accurately receive information and instructions from the supervisor related to ones work	3	2	-	-
<i>Work effectively</i>	12	55	-	-
PC9. coordinate and cooperate with colleagues to achieve work objectives	-	5	-	-
PC10. display courteous behaviour at all times	-	5	-	-
PC11. respond politely to customer queries and other team members	1	4	-	-
PC12. follow work place dress code	-	5	-	-
PC13. keep work area in a tidy and organized state	-	5	-	-
PC14. adhere to time lines and quality standards	2	3	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. follow organizational policies and procedures	4	-	-	-
PC16. share information with team wherever and whenever required to enhance quality and productivity at work place	2	3	-	-
PC17. work together with co-workers in a synchronized manner	-	6	-	-
PC18. communicate with others clearly, at a pace and in a manner that helps them to understand	3	3	-	-
PC19. show respect to other and their work	-	5	-	-
PC20. display active listening skills while interacting with others at work	-	5	-	-
PC21. Demonstrate responsible and disciplined behaviors at the workplace disciplined behaviors: e.g. punctuality; completing tasks as per given time and standards; not gossiping and idling time; eliminating waste, honesty, etc.	-	6	-	-
NOS Total	30	70	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	FFS/N8801
NOS Name	Work effectively with others
Sector	Furniture & Fittings
Sub-Sector	Generic
Occupation	Generic
NSQF Level	3
Credits	NA
Version	1.0
Last Reviewed Date	12/07/2017
Next Review Date	12/07/2020
NSQC Clearance Date	03/08/2018

Qualification Pack

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/ 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 Element/ PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Recommended Pass % aggregate for QP : 50

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
FFS/N0104.Assist in furniture planning and organizing work to meet expected outcome	20	80	-	-	100	20
FFS/N0105.Assist in furniture making	20	80	-	-	100	20
FFS/N8501.Maintain work area, tools and machines	50	50	-	-	100	20
FFS/N8601.Ensure health and safety at workplace	30	70	-	-	100	10

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National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
FFS/N8801.Work effectively with others	30	70	-	-	100	30
Total	150	350	-	-	500	100

Acronyms

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

Qualification Pack

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.

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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.