



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR GEMS AND JEWELLERY INDUSTRY

What are Occupational Standards(OS)?

OS describe what individuals need to do, know and understand in order to carry out a particular job role or function

OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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Introduction

Qualifications Pack – Blade Sawyer – Diamond Processing

SECTOR: GEMS & JEWELLERY

SUB-SECTOR: Diamond processing

OCCUPATION: Rough cutting and sawing

REFERENCE ID: G&J/Q4403

ALIGNED TO: NCO-2015/NIL

Brief Job Description: The individual at work needs to cut the rough diamond along the marking by fixing it on to a dop or pot, then slicing it using the blade sawing machine. A blade sawing operator is responsible for delivering perfect cut roughs in the stipulated time, while minimizing weight loss and breakage. Also known as Blade Cutter or Blade Sawing Machine Operator, the blade sawyer cuts rough diamonds using the blade sawing machine.

Personal Attributes: The job requires the individual to have attention to details; good eyesight; steady hands; ability to work in a process driven team; ability to multitask; ability to work for long hours in standing position, and a lot of patience.





Qualifications Pack Code	G&J/Q4403		
Job Role	Blade Sawyer- Diamond Processing		
Credits(NSQF)	TBD	Version number	2.0
Sector	Gems & Jewellery	Drafted on	28/08/2016
Sub-sector	Diamond Processing	Last reviewed on	24/11/2017
Occupation	Rough cutting and sawing	Next review date	24/11/2021
NSQC Clearance on*	DD/MM/YYYY		

* only after clearance from NSQC

Job Role	Blade Sawyer – Diamond Processing		
Role Description	Cutting the rough diamond using a blade sawing machine as per the markings, in order to remove inclusions and maximise yield, while ensuring minimum breakage		
NSQF level	3		
Minimum Educational Qualifications*	8th Standard		
Maximum Educational Qualifications*	Not applicable		
Training (Suggested but not mandatory)	Not applicable		
Minimum job entry age	18 years		
Experience	Not applicable		
Applicable National Occupational Standards (NOS)	 Compulsory: G&J/N4403 Fix the rough diamond on dop or cassette or holder G&J/N4405 Cut the rough diamond using a blade sawing machine G&J/N9901 Coordinate with others G&J/N9902 Maintain health and safety at workplace 		
Performance Criteria	As described in the relevant OS units		





Definitions

Keywords /Terms	Description	
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 they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.	
Performance Criteria	Performance criteria are statements that together specify the standard of performance required when carrying out a task.	
National Occupational Standards (OS)	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	Knowledge and understanding 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	Core skills or generic skills 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 the context of the OS, these include communication related skills that are applicable to most job roles.	



Qualifications Pack For Blade Sawyer- Diamond Processing



Acronyms

Keywords /Terms	Description
NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack

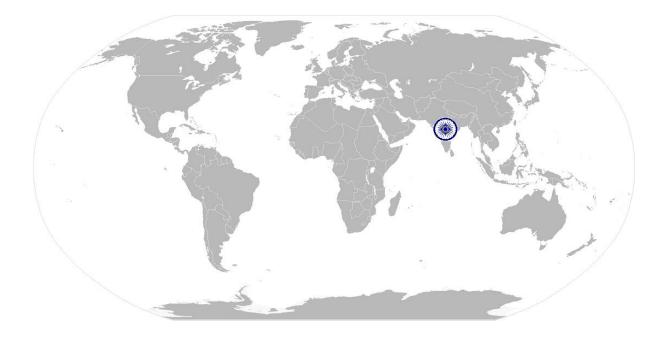






Fix the rough diamond on dop or cassette or holder

National Occupational Standard



Overview

This unit is a key pre-sawing stage in diamond processing. It involves fixing of rough diamonds securely onto dops or cassette of dops or a holder using adhesives such as white cement in such a way that each diamond is aligned as per the markings for the purpose of cutting by using laser beam or blade sawing.







Fix the rough diamond on dop or cassette or holder

Unit Code	G&J/N4403
Unit Title (Task)	Fix the rough diamond on a dop or cassette or holder
Description	This OS unit is about fixing rough diamond on dop / holder / cassette using adhesives, levelling and aligning them as per the markings as a preparation for cutting on laser machine or blade sawing
Scope	 This unit/task covers the following: Setting rough diamond in the holder Maintaining productivity Controlling defects
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
Setting rough diamond in the holder	To be competent, the user/individual on the job must be able to: PC1. ensure accurate fixing of rough diamond on the dop as per the planned cut PC2. ensure accurate alignment and levelling of the rough diamond as per marking
Maintaining productivity	 PC3. achieve the productivity in terms of carats or number of pieces as set by the company PC4. ensure Timely delivery for further processing
Controlling defects	PC5. ensure no damage to the rough diamond is caused during the fixing process
Knowledge and Unders	standing (K)
A. Organizational Context	 The individual on the job needs to know and understand: KA1. Company's policies on quality and delivery standards, safety and hazards, integrity and personnel management KA2. Non-disclosure of "confidential information" provided by the company either orally or in writing marked as confidential KA3. Liability arising out of loss, theft, or inadvertent disclosure of confidential information KA4. Work flow involved in company's product development process KA5. Importance of the individual's role in the workflow KA6. Reporting structure KA7. Issue return procedures followed by the company
B. Technical Knowledge	 The individual on the job needs to know and understand: KB1. Basic characteristics of a diamond KB2. Accurate fixing of roughs on dop/holder/cassette as per planned cut KB3. Heat requirements such as temperature andduration for different adhesives KB4. Cleaning techniques of the rough using different chemicals and ultrasonic cleaner KB5. Potential work hazards KB6. Various tools and machined to be used for the fixing process, its hazards and maintenance KB7. Use of magnifying camera with screen or an eye glass in order to check







G&J/N4403 Fix the rough diamond on dop or cassette or holder

	alignment		
Skills (S) [Optional]			
A. Core Skills/	Writing Skills		
Generic Skills	The user/individual on the job needs to know and understand how:SA1. Fill requisition slip for ordering tools materials and consumablesSA2. Document broken and lost diamonds as per company policySA3. To document work done for status and performance appraisal		
	Reading Skills		
	SA4. To read descriptions on the diamond packets/ bags		
	Oral Communication (Listening and Speaking skills)		
	 SA5. To discuss task, schedules, and work-loads with co-workers and supervisors SA6. To understand instructions and report problems such as:mismatch in rough issued and received, problem with the planned cut which may lead to breakage, unclear marking, defective or inadequate number of dops/ holders /cassettes,inadequate quantity of consumable such as adhesives SA7. To share work load as required SA8. To assist others who require help 		
B. Professional Skills	Decision Making		
	 The user/individual on the job needs to know and understand how: SB1. To make decisions pertaining to the order of fixing roughs in the cassette/dop for cutting SB2. To make decisions on use of different types of adhesives in different cases Plan and Organize 		
	 SB3. To plan the work to improve productivity and quality of setting the rough SB4. To plan and organize maintenance of tools and machines used SB5. To plan for minimizing damage or loss of any diamond during the doping process 		
	Customer Centricity		
	N.A.		
	Problem Solving		
	 SB6. To identify the factors such as quality of the glue/white cement, tools and machines used, that contribute to the fixing of roughs SB7. To identify immediate or temporary solutions to avoid delays Analytical Thinking 		
	N.A.		
	Critical Thinking		
	SB8. To spot process disruptions and delays		







Fix the rough diamond on dop or cassette or holder

NOS Version Control

NOS Code		G&J/N4403		
Credits (NSQF)	TBD	Version number	2.0	
Industry	Gems & Jewellery	Drafted on	28/08/2016	
Industry Sub-sector	Diamond Processing	Last reviewed on	24/11/2017	
Occupation	Rough cutting and sawing	Next review date	24/11/2021	



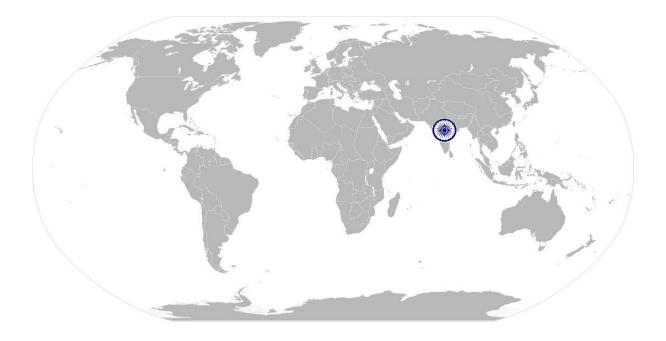






Cut the rough diamond using a blade sawing machine

National Occupational Standard



Overview

This unit is about operating the blade sawing machine in order to cut the rough diamond into one or two pieces by holding the rough against a sharp rotating blade along the line of the marking without causing any other damage to the stone.







Cut the rough diamond using a blade sawing machine

Unit Code	G&J/N4405		
Unit Title (Task)	Cut the rough diamond using a blade sawing machine		
Description	This OS unit is about cutting the rough diamond into smaller pieces as per the markings so that inclusions are removed and maximum yield is achieved as per the planned cut		
Scope	 This unit/task covers the following: Operating the blade sawing machine Maintaining the quality of cutting Ensuring productivity Controlling defects Multitasking 		
Performance Criteria(P	PC) w.r.t. the Scope		
Element	Performance Criteria		
Operating the blade sawing machine	To be competent, the user/individual on the job must be able to: PC1. ensure Accurate placment of the dop /stage on the machine PC2. ensure Accurate alignment of blade edge with the marking for proper cut PC3. regulate the airflow, provided to keep the blade/rough cool		
Maintaining the quality of cutting	PC4. ensure accurate cutting of the roughs along the markingsPC5. ensure accurate bagging and labelling of the roughs before returning		
Ensuring productivity	 PC6. achieve the productivity in terms of carats or number of pieces as set by the company PC7. achieve timely delivery for further processing PC8. maintain cycle time 		
Controlling defects	PC9. assess that the marking is correct for the cut required PC10. minimize damage, weight loss and breakage PC11. ensure accurate assessing of the tension in the rough		
Multitasking	PC12. work on multiple machines at the same time		
Knowledge and Unders			
A. Organizational	The individual on the job needs to know and understand:		
Context	KA1. Company's policies on: quality and delivery standards, safety and hazards,		
	integrity and personnel management KA2. Non–disclosure of "confidential information" provided by the company either orally or in writing marked as confidential		
	KA3. Liability arising out of loss, theft, or inadvertent disclosure of confidential information		
	KA4. Work flow involved in company's product development process		
	KA5. Importance of the individual's role in the workflow		
	KA6. Reporting structure		







Cut the rough diamond using a blade sawing machine

	KA7. Issue return procedures followed by the company
B. Technical Knowledge	The individual on the job needs to know and understand:KB1.Shape, cut, clarity, carat, and physical characteristics of the diamondKB2.Alignments for different cuts in a diamondKB3.Tension in a diamondKB4.Potential ways that may cause damage to a diamondKB5.Potential work hazards, particularly, when using blade sawing machineKB6.Blade sawing machine operationsKB7.Use of the tension machineKB8.Types of inclusions in a diamondKB9.Other techniques of cuttingKB10.Use of various scopes in diamond processingKB11.Geometry to understand the angles and symmetryKB12.Repair workKB13.Uses of different types of tools and materials for different purposes and end
	results KB14. How to maintain and prepare the tools as per job requirement
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing SkillsThe user/individual on the job needs to know and understand how:SA1. To document work done for status and performance appraisalSA2. To report diamond losses via documentation as per company policy
	Reading Skills SA3. To read descriptions on the diamond packets/ bags Oral Communication (Listening and Speaking skills) SA4. To discuss task, schedules, and work-loads with co-workers and supervisors SA5. To understand instructions and report problems SA6. To share work load as required SA7. To assist others who require help SA8. To share knowledge with co-workers







G&J/N4405 Cut the rough diamond using a blade sawing machine

B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how:
	SB1. To decide if a particular rough must be cut along the marking provided
	SB2. To determine what should be the order of the cut and which marking should
	be cut first to avoid breakage Plan and Organize
	SB3. To plan and organize the schedule for maintaining tools and machines used
	SB4. To plan the work to improve productivity and quality of sawing the rough
	Customer Centricity
	N.A.
	Problem Solving
	SB5. To rectify defects occurred in sawing
	Analytical Thinking
	SB6. To assess accuracy of the marking, alignment of doped rough SB7. To identify solutions to avoid delays because of machine failure
	Critical Thinking
	SB8. To spot process disruptions and delays









G&J/N4405 Cut the rough diamond using a blade sawing machine

NOS Version Control

NOS Code	G&J/N4405		
Credits (NSQF)	TBD	Version number	2.0
Industry	Gems & Jewellery	Drafted on	28/08/2016
Industry Sub-sector	Diamond Processing	Last reviewed on	24/11/2017
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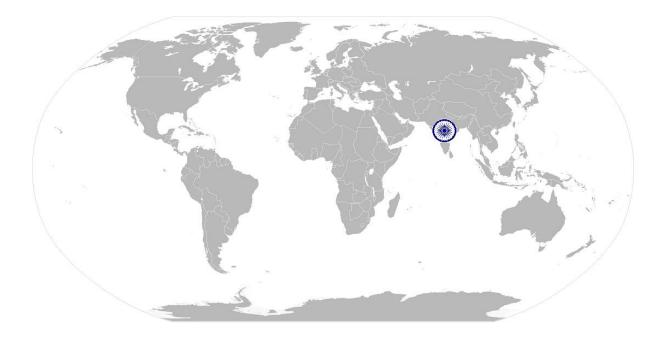


Coordinate with others



G&J/N9901

National Occupational Standard



Overview

This unit is about team work and communication with colleagues or clients. It determines the coordination capability of an individual to work as a team member, share work and multi-task in order to achieve the deliverables on schedule.







Coordinate with others

Unit Code	G&J/N9901	
Unit Title (Task)	Coordinate with others	
Description	This OS unit is about communicating with colleagues, seniors and outside parties in order to achieve the deliverables on schedule	
Scope	This unit/task covers the following:	
	 Interacting with supervisor Interacting with colleagues within and outside the department 	
	 Interacting with outside parties 	
Performance Criteria(P	C) w.r.t. the Scope	
Element	Performance Criteria	
Interacting with supervisor Interacting with colleagues within and outside the department	 To be competent, the user/individual on the job must be able to: PC1. coordinate for receiving work instructions and raw materials from reporting supervisor PC2. communicate to the reporting supervisor about process flow improvements, product defects received from previous process, repairs and maintenance of tools and machinery as required PC3. communicate to reporting supervisor about operation details and hazards PC4. interact with supervisor regarding compliance of company policy and rules PC5. coordinate with colleagues to share work, as per the workload PC6. communicate and discuss work flow related difficulties in order to find solutions with mutual agreement PC7. coordinate and receive feedback from quality control department PC8. coordinate for putting team goals over individual goals PC9. resolve conflicts by communicating with colleagues and other departments 	
	PC10. coordinate with colleagues regarding multitasking in other departments with requirements	
Interacting with outside parties	PC11. adhere to nondisclosure policy of the company in all outside coordination	
Knowledge and Unders	standing (K)	
A. Organizational Context	The user/individual on the job needs to know and understand: KA1. Company's policies on: preferred language of communication, reporting and escalation policy, quality delivery standards, and personnel management	
	KA2. Company's policies on non-disclosure of "confidential information" provided by the company either orally or in writing marked as confidential	
	KA3. Liability arising out of loss, theft, or inadvertent disclosure of confidential information	
	KA4. Reporting structure	







Coordinate with others

B. Technical The user/individual on the job needs to know and understand: Knowledge KB1. Various categories of people that one is required to communicate and coordinate within the organization KB2. Importance of effective communication in the workplace KB3. Importance of teamwork in organization and individual success KB4. Various components of effective communication KB5. Key elements of active listening KB6. Barriers to effective communication KB7. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles KB8. Common reasons for interpersonal conflict KB9. Expressing and addressing grievances appropriately and effectively KB10. What constitutes disciplined behavior for a working professional Skills (5) [Optional] A. Core Skills/ Generic Skills Keading Skills The user/ individual on the job needs to know and understand how to: SA1. Write instructions, remarks, job sheets, basic information, technical deta etc. in preferred local language of communication and English Reading Skills SA2. Read preferred language of communication as prescribed by the comparisA3. Read job sheets and interpret technical details mentioned in the job sheets	ils			
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Oral Communication (Listening and Speaking skills)				
SA4. Discuss task lists, schedules, and work-loads with co-workers				
SA5. Be a good listener				
SA6. Be effective in communicating the issues faced to the supervisor				
SA7. Avoid using jargon, slang or acronyms when communicating				
B. Professional Skills Decision Making				
The user/ individual on the job needs to know and understand how to:				
SB1. Spot and communicate potential areas of disruptions to work process an	d			
report the same				
SB2. Report to supervisor and or to deal with a colleague individually, dependent	ing			
on the type of concern	0			
Plan and Organize				
SB3. Collate information and communicate in a manner that is clear and				
comprehensive to colleagues and supervisor				
Customer Centricity				







Coordinate with others

SB4. Convey accurate information to all internal as well as external customers (or right information to right person)
Problem Solving
SB5. How to handle critical situations caused due to communication issues at workplace and solve problems without blaming others
Analytical Thinking
SB6. Analyse the work processes by interacting with others and adopting best practices
SB7. Use prior experience to observe and reflect for development of ideas
Critical Thinking
 SB8. Think through the problem, evaluate the possible solution(s) and suggest an optimum /best possible solution(s) SB9. Deal with clients lacking the technical background to solve the problem on their own SB10. Spot process disruptions and delays, report and communicate with solutions SB11. Identify immediate or temporary solutions to resolve delays SB12. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action
experience, reasoning, of communication, as a garde to thought and detion







Coordinate with others

NOS Version Control

NOS Code	G&J/N9901			
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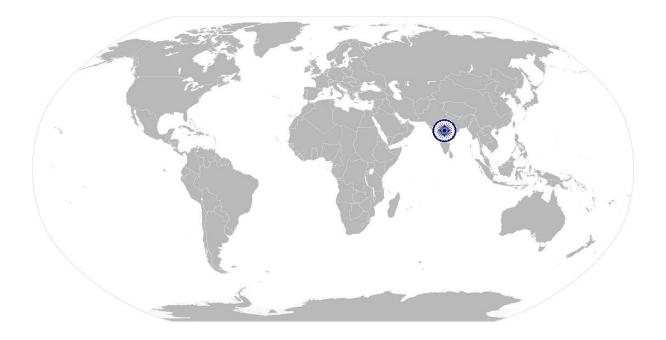






Maintain health and safety at workplace

National Occupational Standard



Overview

This unit is about commitment towards reporting potential hazards, taking preventive measures to avoid accidents in order to make the work environment safe for self and colleagues and also helps in maintaining health and safety.







Maintain health and safety at workplace

Unit Code	G&J/N9902
Unit Title (Task)	Maintain health and safety at workplace
Description	This OS unit is about being aware of, communicating and taking steps towards minimizing potential hazards and dangers of accidents on the job and maintaining health and safety
Scope	 This unit/task covers the following: Health and safety in work area Fire safety Emergencies, rescue and first aid procedures
Performance Criteria(P	PC) w.r.t. the Scope
Element	Performance Criteria
Health and safety in work area	 To be competent, the user/individual on the job must be able to: PC1. identify and use appropriate protective clothing/equipment for specific tasks and work PC2. identify hazardous job activities in his/her job and communicate the possible causes of risks or accidents in the workplace
	 PC3. carry out safe working practices while dealing with hazards to ensure safety of self and others PC4. identify and avoid doing any tasks or activities in a bad working position PC5. practice appropriate working postures to minimise occupational health related issues
Fire safety	 PC6. use the appropriate fire extinguishers on different types of fire PC7. demonstrate rescue techniques applied during fire hazard PC8. demonstrate good housekeeping in order to prevent fire hazards PC9. demonstrate the correct use of any fire extinguisher
Emergencies, rescue and first aid procedures	 PC10. administer appropriate first aid procedure to victims wherever required eg.in case of bleeding, burns, choking, electric shock etc. PC11. respond promptly and appropriately to an accident situation or medical emergency
	PC12. participate in emergency procedures such as raising alarm, safe evacuation, correct means of escape, correct assembly point etc.
Knowledge and Unders	standing (K)
A. Organizational Context	 The user/individual on the job needs to know and understand: KA1. Company's policies on: safety and hazards and personnel management KA2. Names and location of documents that refer to health and safety in work place KA2. Reporting structure
	KA3. Reporting structure







G&J/N9902	Maintain health and safety at workplace
B. Technical Knowledge	 The user/individual on the job needs to know and understand: KB1. Meaning of "hazards" and risks KB2. Health and safety hazards commonly present in the work place and related precautions KB3. Various dangers associate with use of electrical equipment KB4. Preventative and remedial actions to be taken in case of exposure to toxic material KB5. Methods of accident prevention KB6. How different chemicals react and what could be the danger from them KB7. How to use machines and tools without any harm caused to the body KB8. Importance of using protective clothing/ equipment while working KB9. Precautionary activities to prevent the fire accident KB10. Various causes of fire KB11. Techniques of using different fire extinguishers KB12. Different materials used for extinguishing fire KB13. Rescue techniques applied during a fire hazard KB14. Various types of safety signs and what they mean KB15. Appropriate basic first aid treatment relevant to condition e.g. bleeding minor burns eye injuries KB16. Potential impact to a person who is moved incorrectly
Skills (S) [Optional]	
A. Core Skills/ Generic Skills	Writing Skills The individual on the job needs to know and understand how to: N.A. Reading Skills SA1. Read and comprehend basic content to read labels, charts, signage's SA2. Read and comprehend basic English to read manuals of operations Oral Communication (Listening and Speaking skills) SA3. Effectively communicate the risk of not following safety measures
B. Professional Skills	Decision MakingThe individual on the job needs to know and understand how to:SB1. Report potential sources of dangerSB2. Follow the relevant prescribed procedure in the event of an accidentSB3. Wear appropriate safety gear to avoid an accidentPlan and OrganizeSB4. Learn from past mistakes regarding use of hazardous machines or chemicalsCustomer Centricity

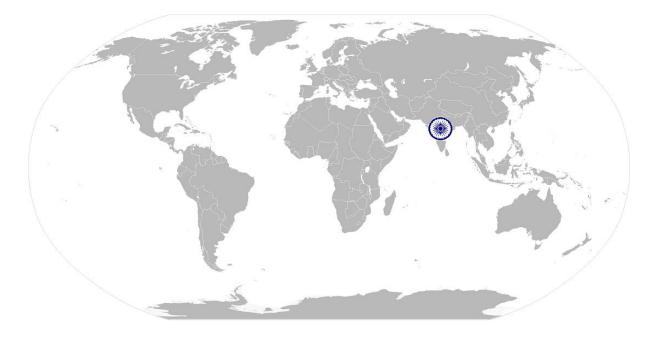






Maintain health and safety at workplace

N. A.
Problem Solving
SB5. Adhere to and guide others to follow prescribed procedures related to health and safety
Analytical Thinking
SB6. Analyse untoward incidents from the past and implement correct use of machines, tools or hazardous chemicals
Critical Thinking
SB7. Critically analyse the processes carried out by self and by colleagues in the department to spot potential hazards and safety issues









Maintain health and safety at workplace

NOS Version Control

NOS Code	G&J/N9902				
Credits(NSQF)	TBD	Version number	2.0		
Industry	Gems & Jewellery	Drafted on	28/08/2016		
Industry Sub-sector	Diamond Processing	Last reviewed on	24/11/2017		
Occupation	Rough cutting and sawing	Next review date	24/11/2021		





G&J/Q4403

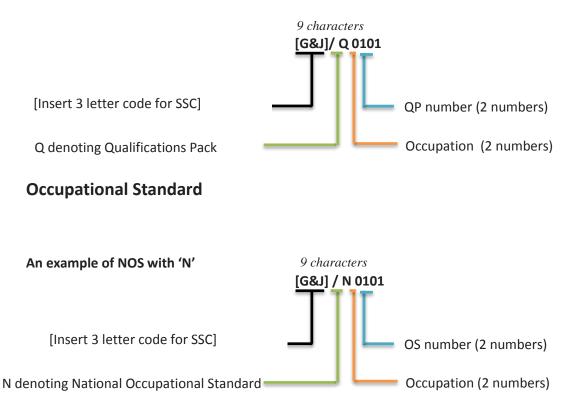


Qualifications Pack For Blade Sawyer- Diamond Processing

Annexure

Nomenclature for QP and NOS

Qualifications Pack







G&J/Q4403

The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers		
Handmade gold and gems-set	01-11		
jewellery			
Imitation Jewellery	12-20		
Cast and diamond-set jewellery	21-40		
Diamond processing	41-60		
Gemstone processing	61-80		
Jewellery retailing	81-90		
Silver Smithing	91-98		
Common	99		

Sequence	Description	Example
Three letters	Industry name	G&J
Slash	/	/
Next letter	Whether QP or NOS	Ν
Next two numbers	Occupation code	01
Next two numbers	OS number	01



Criteria For Assessment Of Trainees

<u>Job Role</u> Blade Sawyer – Diamond Processing <u>Qualification Pack</u> G&J/Q4403 <u>Sector Skill Council</u> Gem & Jewellery

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. 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 this criterion.

6. To pass the Qualification Pack , every trainee should score a minimum of 50% of aggregate marks to successfully clear the assessment.

7. In case of *unsuccessful completion*, the trainee may seek reassessment on the Qualification Pack.

Compulsory NOS Total Marks: 100				Marks Allocation	
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out Of	Theory	Skills Practical
1. G&J/N4403 Fix the rough diamond on a dop or cassette or holder	PC1. ensure accurate fixing of rough diamond on the dop as per the planned cut	20	4	1	3
	PC2. ensure accurate alignment and levelling of the rough diamond as per marking		5	1	4
	PC3. achieve the productivity in terms of carats or number of pieces as set by the company		4	0	4
	PC4. ensure Timely delivery for further processing		3	1	2
	PC5. ensure no damage to the rough diamond is caused during the fixing process		4	1	3
	Total		20	4	16





Total Marks: 100	Compulsory NO	S		Marks Al	location
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out Of	Theory	Skills Practical
2. G&J/N4405 Cut the rough diamond using a blade sawing machine	PC1. ensure Accurate placment of the dop /stage on the machine	40	5	1	4
	PC2. ensure Accurate alignment of blade edge with the marking for proper cut		5	1	4
	PC3. regulate the airflow provided to keep the blade/rough cool		4	1	3
	PC4. ensure accurate cutting of the roughs along the markings		5	2	3
	PC5. ensure accurate bagging and labelling of the roughs before returning		3	1	2
	PC6. achieve the productivity in terms of carats or number of pieces as set by the company		4	1	3
	PC7. achieve timely delivery for further processing		2	1	1
	PC8. maintain cycle time		2	1	1
	PC9. assess that the marking is correct for the cut required		5	0	5
	PC10. minimize damage, weight loss and breakage		2	0	2
	PC11. ensure accurate assessing of the tension in the rough		2	1	1
	PC12. work on multiple machines at the same time		1	0	1
	Total		40	10	30





Total Marks: 100	Compulsory NO	S		Marks Allocation	
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out Of	Theory	Skills Practical
3. G&J/N9901 Coordinate with others	PC1. coordinate for receiving work instructions and raw materials from reporting supervisor	20	1	0	1
	PC2. communicate to the reporting supervisor about process flow improvements, product defects received from previous process, repairs and maintenance of tools and machinery as required		1	0	1
	PC3. communicate to reporting supervisor about operation details and hazards		1	0	1
	PC4. interact with supervisor regarding compliance of company policy and rules		2	0	2
	PC5. coordinate with colleagues to share work, as per the workload		3	0	3
	PC6. communicate and discuss work flow related difficulties in order to find solutions with mutual agreement		2	0	2
	PC7. coordinate and receive feedback from quality control department		2	1	1
	PC8. coordinate for putting team goals over individual goals		1	0	1
	PC9. resolve conflicts by communicating with colleagues and other departments		2	0	2
	PC10. communicate and discuss work Coordinate with colleagues regarding multitasking in other departments with requirements		3	1	2
	PC11. adhere to nondisclosure policy of the company in all outside coordination		2	1	1
	Total		20	3	17





Total Marks: 100	Marks Allocation				
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out Of	Theory	Skills Practical
4. G&J/N9902 Maintain health and safety at workplace	PC1. identify and use appropriate protective clothing/equipment for specific tasks and work	20	2	0	2
	PC2. identify hazardous job activities in his/her job and communicate the possible causes of risks or accidents in the workplace		1	0	1
	PC3. carry out safe working practices while dealing with hazards to ensure safety of self and others		1	0	1
	PC4. identify and avoid doing any tasks or activities in a bad working position		2	0	2
	PC5. practice appropriate working postures to minimise occupational health related issues		2	1	1
	PC6. use the appropriate fire extinguishers on different types of fire		1	0	1
	PC7. demonstrate rescue techniques applied during fire hazard		2	0	2
	PC8. demonstrate good housekeeping in order to prevent fire hazards		1	0	1
	PC9. demonstrate the correct use of any fire extinguisher		2	0	2
	PC10. administer appropriate first aid procedure to victims wherever required eg.in case of bleeding, burns, choking, electric shock etc.		1	0	1
	PC11. respond promptly and appropriately to an accident situation or medical emergency		3	1	2
	PC12. participate in emergency procedures such as raising alarm, safe evacuation, correct means of escape, correct		2	1	1





Compulsory NOS Total Marks: 100					Marks Allocation	
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out Of	Theory	Skills Practical	
	assembly point etc.					
	Total		20	3	17	