



Auto Blocker - Diamond Processing

QP Code: G&J/Q4602

Version: 3.0

NSQF Level: 3

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G&J/Q4602: Auto Blocker - Diamond Processing

Brief Job Description

Individuals work with the auto-blocking machine and make the basic four (or eight) bottom and top facets of a diamond in order to make it ready for final polishing or brilliance. For auto blocking, the stone is set in a dop. Then dop is fixed in the auto-blocking machine and held down on a revolving cast-iron scaife charged with diamond dust. This job role is also known as Blocking Operator or Operator.

Personal Attributes

The job requires the individual to have attention to detail, good eyesight and steady grip. The individual should require ability to work in a process driven team, work for long hours in standing position, multitask and work with patience.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [G&J/N4601: Dop the diamond for blocking](#)
2. [G&J/N4605: Operate auto-blocking machine to create facets on diamond](#)
3. [G&J/N4706: Generate the cut quality report](#)
4. [G&J/N9902: Maintain health and safety at workplace](#)
5. [G&J/N9901: Coordinate with others](#)

Qualification Pack (QP) Parameters

Sector	Gem & Jewellery
Sub-Sector	Diamond Processing
Occupation	Blocking
Country	India
NSQF Level	3
Credits	0
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7313.1302

Minimum Educational Qualification & Experience	8th Class with 2 Years of experience or 10th Standard with 6 months of relevant experience or I.T.I (After 10th)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	31/03/2022
NSQC Approval Date	13/10/2022
Version	3.0

Remarks:

G&J/N4601: Dop the diamond for blocking

Description

This OS unit is about fixing bruted diamond in the pot with accurate alignment

Scope

The scope covers the following :

- Setting rough diamond in the pot
- Maintaining productivity
- Controlling defects

Elements and Performance Criteria

Setting rough diamond in the pot

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

PC1. ensure accurate fixing of diamond as per the blocking required

PC2. ensure accurate alignment and levelling of the diamond on the dop

Maintaining productivity

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

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

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

PC5. ensure no damage to the diamond during fixing process

PC6. ensure no breakage while placing the cover in the press

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. company's policies on quality and delivery standards, safety and hazards, integrity and personnel management

KU2. non-disclosure of "confidential information" provided by the company either orally or in writing marked as confidential

KU3. liability arising out of loss, theft, or inadvertent disclosure of confidential information

KU4. work flow involved in company's product development process

KU5. importance of the individual's role in the workflow

KU6. reporting structure

KU7. issue return procedures followed by the company

KU8. shape, cut, clarity, carat, and physical characteristics of the diamond

KU9. how to match the specifications of the diamonds such as shape, size and quantity, as per those mentioned on the packet issued

- KU10.** select the pot as per the size, shape of the diamond and type of blocking required (table pots for table cutting, top pots for top blocking and bottom pots for bottom blocking, pots for manual or auto blocking)
- KU11.** techniques of fixing of diamonds on pot without breakage
- KU12.** how to fix the cover on the bottom pot using a manual press
- KU13.** how to ensure there is no breakage while using the press
- KU14.** use of sticking agents like lac, white cement, etc. (if required) as prescribed
- KU15.** use of an eye glass in order to check alignment
- KU16.** potential work hazards

Generic Skills (GS)

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

- GS1.** fill the requisition slip for tools and consumables
- GS2.** document work done for status and performance appraisal
- GS3.** read descriptions on the diamond packets/ bags
- GS4.** discuss task, schedules, and work-loads with co-workers and supervisors
- GS5.** understand instructions and report problems
- GS6.** share work load as required
- GS7.** assist others who require help
- GS8.** make decisions pertaining to be the selection for particular type of blocking
- GS9.** plan and organize maintenance of tools and machines used
- GS10.** plan and organize the tools and consumables on the work bench for efficient work management
- GS11.** minimize damage or loss of any diamond during the doping process
- GS12.** assess the quality of the pot / cover being used
- GS13.** identify immediate or temporary solutions to avoid delays
- GS14.** plan the work to improve productivity and quality of setting
- GS15.** spot process disruptions and delays

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Setting rough diamond in the pot</i>	3	2	-	-
PC1. ensure accurate fixing of diamond as per the blocking required	2	1	-	-
PC2. ensure accurate alignment and levelling of the diamond on the dop	1	1	-	-
<i>Maintaining productivity</i>	1	3	-	-
PC3. achieve the productivity in terms of carats or number of pieces as set by the company	0.5	2	-	-
PC4. ensure timely delivery for further processing	0.5	1	-	-
<i>Controlling defects</i>	1	2	-	-
PC5. ensure no damage to the diamond during fixing process	0.5	1	-	-
PC6. ensure no breakage while placing the cover in the press	0.5	1	-	-
NOS Total	5	7	-	-

National Occupational Standards (NOS) Parameters

NOS Code	G&J/N4601
NOS Name	Dop the diamond for blocking
Sector	Gem & Jewellery
Sub-Sector	Diamond Processing
Occupation	Blocking
NSQF Level	3
Credits	TBD
Version	3.0
Next Review Date	NA

G&J/N4605: Operate auto-blocking machine to create facets on diamond

Description

This OS unit is about using the auto blocking machine for creating basic four/eight bottom and top facets on a diamond as per the planned dimensions or the objective fixed by the company, to give a basic shape to the diamond before it goes for final polishing or brillianting

Scope

The scope covers the following :

- Operating the blocking machine
- Achieving quality of blocking
- Achieving productivity
- Controlling defects
- Multitasking

Elements and Performance Criteria

Operating the blocking machine

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

PC1. ensure accurate parameters and dimensions of diamond are entered in the machine

PC2. operate and maintain the machine

Achieving quality of blocking

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

PC3. achieve accurate proportion and symmetry of the facets as per design requirement

PC4. remove all the inclusions while blocking as per plan

PC5. ensure accurate bagging and labeling of the diamonds before returning

Achieving productivity

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

PC6. achieve the productivity in terms of carats or number of pieces as set by the company

PC7. achieve timely delivery for further processing

Controlling defects

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

PC8. ensure that there are no flaws due to faulty polishing such as extra facets, natural surface, nicks, scratches, polish lines, burning marks, abrasions

PC9. ensure no breakage of culet point

PC10. minimize damage, weight loss and breakage

PC11. repair a damaged stone

Multitasking

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

PC12. work on different types of blocking machines and technologies

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** company's policies on quality and delivery standards, safety and hazards, integrity and personnel management
- KU2.** non-disclosure of "confidential information" provided by the company either orally or in writing marked as confidential
- KU3.** liability arising out of loss, theft, or inadvertent disclosure of confidential information
- KU4.** work flow involved in company's product development process
- KU5.** importance of the individual's role in the workflow
- KU6.** reporting structure
- KU7.** issue return procedures followed by the company
- KU8.** typical customer profile and market trends
- KU9.** specialization area of the company (size, clarity, shape, quality, etc. of diamonds)
- KU10.** diamond processing objective of the company, e.g. maximizing yield, maximizing clarity, etc.
- KU11.** blocking procedure of diamonds
- KU12.** computer and blocking machine operations
- KU13.** bruting and coning
- KU14.** polishing process
- KU15.** 4cs of diamond (colour, cut, clarity and carat)
- KU16.** how to use of various scopes in diamond processing
- KU17.** how to use proportion and symmetry analyzer machine
- KU18.** angles and symmetry
- KU19.** process of preparation of scaife
- KU20.** repair work
- KU21.** valuation of diamonds depending on different dimensions
- KU22.** use of different types of tools and materials for different purposes and end results
- KU23.** maintenance and preparation of the tools as per job requirement
- KU24.** potential work hazards, particularly, when using machine tools

Generic Skills (GS)

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

- GS1.** document work done for status and performance appraisal
- GS2.** report diamond losses via documentation as per company policy
- GS3.** read descriptions on the job packets/ bags
- GS4.** enter data on blocking machine and read its progress
- GS5.** read the dimensions specified by the proportion analyzer machine
- GS6.** discuss task lists, schedules and work-loads with co-workers
- GS7.** instructions and report problems
- GS8.** share work load as required
- GS9.** assist others who require help
- GS10.** share knowledge with co-workers

- GS11.** operate multiple machines
- GS12.** make decisions pertaining to facet in order to yield maximum value for the finished diamond, where no design is provided
- GS13.** plan work for maximum productivity
- GS14.** plan the best cut to get maximum value from the diamond
- .
- GS15.** plan and organize the schedule for maintenance of tools and machines
- GS16.** rectify defects occurred
- GS17.** refer technical problems with any part of machine to supervisor
- GS18.** refer damage while blocking to supervisor
- GS19.** minimize weight loss
- GS20.** spot process disruptions and delays

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Operating the blocking machine</i>	2	6	-	-
PC1. ensure accurate parameters and dimensions of diamond are entered in the machine	1	4	-	-
PC2. operate and maintain the machine	1	2	-	-
<i>Achieving quality of blocking</i>	4	14	-	-
PC3. achieve accurate proportion and symmetry of the facets as per design requirement	2	8	-	-
PC4. remove all the inclusions while blocking as per plan	1	4	-	-
PC5. ensure accurate bagging and labeling of the diamonds before returning	1	2	-	-
<i>Achieving productivity</i>	1.5	5	-	-
PC6. achieve the productivity in terms of carats or number of pieces as set by the company	1	4	-	-
PC7. achieve timely delivery for further processing	0.5	1	-	-
<i>Controlling defects</i>	3	12	-	-
PC8. ensure that there are no flaws due to faulty polishing such as extra facets, natural surface, nicks, scratches, polish lines, burning marks, abrasions	1	4	-	-
PC9. ensure no breakage of culet point	0.5	4	-	-
PC10. minimize damage, weight loss and breakage	0.5	2	-	-
PC11. repair a damaged stone	1	2	-	-
<i>Multitasking</i>	0.5	2	-	-
PC12. work on different types of blocking machines and technologies	0.5	2	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	11	39	-	-

National Occupational Standards (NOS) Parameters

NOS Code	G&J/N4605
NOS Name	Operate auto-blocking machine to create facets on diamond
Sector	Gem & Jewellery
Sub-Sector	Diamond Processing
Occupation	Blocking
NSQF Level	3
Credits	TBD
Version	3.0
Next Review Date	NA

G&J/N4706: Generate the cut quality report

Description

This OS unit is about using the symmetry and proportion analyser machine to scan and generate a report with all the selected specifications of the cut

Scope

The scope covers the following :

- Using symmetry analyzer machine
- Maintaining quality of report
- Maintaining Productivity

Elements and Performance Criteria

Using symmetry analyzer machine

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

- PC1.** comprehend the specifications of which section of the diamond need to be checked (crown, pavilion, girdle, complete diamond)
- PC2.** ensure accurate placement of the diamond for scanning
- PC3.** ensure correct selection of the criteria
- PC4.** detect any problems with the scanner or the printer and make correction

Maintaining quality of report

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

- PC5.** ensure appropriate data is entered in the computer
- PC6.** ensure correct report is generated
- PC7.** ensure the steps to issue/return procedure is conducted smoothly

Maintaining Productivity

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

- PC8.** generate the report quickly

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** company's policies on acceptable limits of weight loss, incentives, delivery standards, safety practices and hazards, security and performance measurement
- KU2.** non-disclosure of "confidential information" provided by the company either orally or in writing marked as confidential
- KU3.** liability arising out of loss, theft, or inadvertent disclosure of confidential information
- KU4.** work flow involved in company's diamond processing
- KU5.** importance of the individual's role in the workflow
- KU6.** reporting structure

- KU7.** issue return procedures followed by the company
- KU8.** working on the symmetry and proportion analyzer machine
- KU9.** working on a computer and using a printer, scanner
- KU10.** basic dimensions of a diamonds cutting

Generic Skills (GS)

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

- GS1.** document damage to diamond and loss of diamond
- GS2.** read descriptions/reports on the computer
- GS3.** read specification on packet and make entries on the computer
- GS4.** select criteria before printing
- GS5.** discuss task lists, schedules, and work-loads with supervisors and co-workers
- GS6.** understand instructions and report problems
- GS7.** plan and organize work in order to ensure accurate and timely process
- GS8.** organize multiple diamond to generate a report for all one after the other without any confusion
- GS9.** resolve minor problems while working on the computer
- GS10.** identify immediate or temporary solutions to avoid delays
- GS11.** spot process disruptions and delays

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Using symmetry analyzer machine</i>	7	33	-	-
PC1. comprehend the specifications of which section of the diamond need to be checked (crown, pavilion, girdle, complete diamond)	2	8	-	-
PC2. ensure accurate placement of the diamond for scanning	2	10	-	-
PC3. ensure correct selection of the criteria	2	11	-	-
PC4. detect any problems with the scanner or the printer and make correction	1	4	-	-
<i>Maintaining quality of report</i>	6	9	-	-
PC5. ensure appropriate data is entered in the computer	2	3	-	-
PC6. ensure correct report is generated	2	3	-	-
PC7. ensure the steps to issue/return procedure is conducted smoothly	2	3	-	-
<i>Maintaining Productivity</i>	1	4	-	-
PC8. generate the report quickly	1	4	-	-
NOS Total	14	46	-	-

National Occupational Standards (NOS) Parameters

NOS Code	G&J/N4706
NOS Name	Generate the cut quality report
Sector	Gem & Jewellery
Sub-Sector	Diamond Processing
Occupation	Diamond Planning
NSQF Level	2
Credits	TBD
Version	3.0
Next Review Date	NA

G&J/N9902: 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 at workplace.

Elements and 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 wrong posture
- PC5.** practice appropriate working postures to minimise occupational health related issues

Fire safety

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

- 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

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

- 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 or medical emergency
- PC12.** participate in emergency procedures such as raising alarm, safe evacuation, correct means of escape, correct assembly point etc.,

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** companys policies on: safety and hazards and personnel management
- KU2.** names and location of documents that refer to health and safety in work place
- KU3.** reporting structure
- KU4.** meaning of hazards and risks
- KU5.** health and safety hazards commonly present in the work place and related precautions
- KU6.** various dangers associated with use of electrical equipment
- KU7.** preventative and remedial actions to be taken in case of exposure to toxic material
- KU8.** methods of accident prevention

- KU9.** how different chemicals react and the related hazards
- KU10.** how to use machines and tools without causing any accident
- KU11.** importance of using protective clothing/ equipment while working
- KU12.** precautionary activities to prevent the fire accident
- KU13.** various causes of fire
- KU14.** techniques of using different fire extinguishers
- KU15.** different materials used for extinguishing fire
- KU16.** rescue techniques applied during a fire hazard
- KU17.** various types of safety signs and their meaning
- KU18.** appropriate basic first aid treatment relevant to different condition e.g. bleeding, minor burns, eye injuries etc.,
- KU19.** casualty lifting in case of an accident caused to a person

Generic Skills (GS)

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

- GS1.** read and comprehend basic content to read labels, charts, signages
- GS2.** read and comprehend basic english to read manuals of operations
- GS3.** communicate effectively the risk of not following safety measures
- GS4.** respond to emergencies/accidents, by taking an appropriate and timely decision
- GS5.** organize work schedule, work area, tools, equipment and material to minimize health and safety risk
- GS6.** ensure appropriate action in case of any emergencies, accidents or fire at the work location
- GS7.** analyze untoward incidents from the past and implement correct use of machines, tools or hazardous chemicals
- GS8.** critically analyze the processes carried out by self and colleagues in the department to spot potential hazards and safety issues

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Health and safety in work area</i>	1	7	-	-
PC1. identify and use appropriate protective clothing/equipment for specific tasks and work	-	2	-	-
PC2. identify hazardous job activities in his/her job and communicate the possible causes of risks or accidents in the workplace	-	1	-	-
PC3. carry out safe working practices while dealing with hazards to ensure safety of self and others	-	1	-	-
PC4. identify and avoid doing any tasks or activities in a wrong posture	-	2	-	-
PC5. practice appropriate working postures to minimise occupational health related issues	1	1	-	-
<i>Fire safety</i>	-	6	-	-
PC6. use the appropriate fire extinguishers on different types of fire	-	1	-	-
PC7. demonstrate rescue techniques applied during fire hazard	-	2	-	-
PC8. demonstrate good housekeeping in order to prevent fire hazards	-	1	-	-
PC9. demonstrate the correct use of any fire extinguisher	-	2	-	-
<i>Emergencies, rescue and first aid procedures</i>	2	4	-	-
PC10. administer appropriate first aid procedure to victims wherever required eg.in case of bleeding, burns, choking, electric shock etc.	-	1	-	-
PC11. respond promptly and appropriately to an accident or medical emergency	1	2	-	-
PC12. participate in emergency procedures such as raising alarm, safe evacuation, correct means of escape, correct assembly point etc.,	1	1	-	-
NOS Total	3	17	-	-

National Occupational Standards (NOS) Parameters

NOS Code	G&J/N9902
NOS Name	Maintain health and safety at workplace
Sector	Gem & Jewellery
Sub-Sector	Jewellery Retail, Cast and diamonds-set jewellery
Occupation	Appraising and Valuation
NSQF Level	5
Credits	TBD
Version	2.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQ Clearance Date	24/02/2022

G&J/N9901: Coordinate with others

Description

This OS unit is about communicating with colleagues, seniors and outside parties in order to achieve the deliverables as per schedule

Elements and Performance Criteria

Interacting with supervisor

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

Interacting with colleagues within and outside the department

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

- PC5.** coordinate with colleagues to share work, as per the workload in order to achieve team goals
- 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.** resolve conflicts by communicating with colleagues and other departments
- PC9.** communicate and discuss work coordinate with colleagues regarding multitasking in other departments with requirements

Interacting with outside parties

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

- PC10.** adhere to nondisclosure policy of the company in all outside coordination

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** companys policies on: preferred language of communication, reporting and escalation policy, quality delivery standards and personnel management
- KU2.** companys policies on non-disclosure of confidential information provided by the company either orally or in writing marked as confidential
- KU3.** liability arising out of loss, theft or inadvertent disclosure of confidential information
- KU4.** reporting structure
- KU5.** various categories of people that one is required to communicate and coordinate within the organization
- KU6.** importance of effective communication in the workplace like expressing and addressing grievances appropriately and effectively
- KU7.** importance of teamwork in organization and individual success
- KU8.** various components of effective communication

- KU9.** barriers to effective communication
- KU10.** common reasons for interpersonal conflict
- KU11.** what constitutes disciplined behavior for a working professional

Generic Skills (GS)

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

- GS1.** write instructions, remarks, job sheets, basic information, technical details etc. in preferred local language of communication and english
- GS2.** read preferred language of communication as prescribed by the company
- GS3.** read job sheets and interpret technical details mentioned in the job sheet
- GS4.** discuss task lists, schedules, and work-loads with co-workers
- GS5.** be a good listener
- GS6.** be effective in communicating the issues faced, to the supervisor
- GS7.** avoid using jargon, slang or acronyms when communicating
- GS8.** how to spot and communicate potential areas of disruptions in the work process and report the same
- GS9.** how to report supervisor or deal with a colleague individually, depending on the type of concern
- GS10.** how to plan work for maximum productivity
- GS11.** how to plan and organize the schedule for maintenance of tools and machines
- GS12.** how to convey accurate information to relevant internal as well as external customers
- GS13.** how to handle critical situations caused due to communication issues at workplace and solve problems without blaming others
- GS14.** how to analyse the work processes by interacting with others and adopting best practices
- GS15.** how to use prior experience to observe and reflect for development of ideas
- GS16.** how to think through the problem, evaluate the possible solution(s) and suggest an optimum /best possible solution(s)
- GS17.** how to deal with clients lacking the technical background to solve the problem on their own
- GS18.** how to spot process disruptions, delays and report and communicate with solutions
- GS19.** how to identify immediate or temporary solutions to resolve delays
- GS20.** how to apply, analyze and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interacting with supervisor</i>	-	6	-	-
PC1. coordinate for receiving work instructions and raw materials from reporting supervisor	-	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	-	-
PC3. communicate to reporting supervisor about operation details and hazards	-	1	-	-
PC4. interact with supervisor regarding compliance of company policy and rules	-	3	-	-
<i>Interacting with colleagues within and outside the department</i>	2	10	-	-
PC5. coordinate with colleagues to share work, as per the workload in order to achieve team goals	-	3	-	-
PC6. communicate and discuss work flow related difficulties in order to find solutions with mutual agreement	-	2	-	-
PC7. coordinate and receive feedback from quality control department	1	1	-	-
PC8. resolve conflicts by communicating with colleagues and other departments	-	2	-	-
PC9. communicate and discuss work coordinate with colleagues regarding multitasking in other departments with requirements	1	2	-	-
<i>Interacting with outside parties</i>	1	1	-	-
PC10. adhere to nondisclosure policy of the company in all outside coordination	1	1	-	-
NOS Total	3	17	-	-

National Occupational Standards (NOS) Parameters

NOS Code	G&J/N9901
NOS Name	Coordinate with others
Sector	Gem & Jewellery
Sub-Sector	Jewellery Retail, Cast and diamonds-set jewellery
Occupation	Appraising and Valuation
NSQF Level	5
Credits	TBD
Version	2.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

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.

Minimum Aggregate Passing % at QP Level : 50

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

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
G&J/N4601.Dop the diamond for blocking	5	7	0	0	12	20
G&J/N4605.Operate auto-blocking machine to create facets on diamond	11	39	0	0	50	50
G&J/N4706.Generate the cut quality report	14	46	0	0	60	18
G&J/N9902.Maintain health and safety at workplace	3	17	-	-	20	6
G&J/N9901.Coordinate with others	3	17	-	-	20	6
Total	36	126	-	-	162	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.

<p>Organisational Context</p>	<p>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.</p>
<p>Technical Knowledge</p>	<p>Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.</p>
<p>Core Skills/ Generic Skills (GS)</p>	<p>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.</p>
<p>Electives</p>	<p>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.</p>
<p>Options</p>	<p>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.</p>