



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR MINING 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 - Assistant Support - Underground Mines

SECTOR: MINING SUB-SECTOR: Mining Operation OCCUPATION: Loading & Hauling – Underground REFERENCE ID: MIN/Q0213 ALIGNED TO: NCO-2015/9311.0100

Brief Job Description: Assistant Support assists operators and technicians in underground mines, including in haulage, conveyor operation, Drilling, coal cutting, water pump operation, SDL/LHD operation, Roof bolting and other equipment operations, repair and maintenance. He has to ensure the cleanliness of the equipment & worksite, carries the tools and tackles from store to required site and assist the operator and technicians in checks and operation and repair and maintenance jobs.

Personal Attributes: The job requires skills in reading, writing and communication skills, ability to receive and understand directions from operator and technicians, basic knowledge of risk and work safety, and finally physique to sustain strenuous condition.





Qualifications Pack Code		MIN/Q0213	
Job Role	Assistant S	upport - Underground	d Mines
Credits (NSQF)	TBD	Version number	1.0
Sector	Mining	Drafted on	08/08/2016
Sub-sector	Mining Operation	Last reviewed on	27/09/2016
Occupation	Loading & Hauling – Underground	Next review date	26/09/2019
NSQC Clearance on		DD/MM/YYYY	

Job Role	Assistant Support - Underground Mines
Role Description	To assist Operators and Technicians in underground Mining operation, in operation of mining machinery and in servicing and maintenance of varied machinery.
NSQF level	2
Minimum Educational Qualifications	VIII
Maximum Educational Qualifications	Graduation
Training (Suggested but not mandatory)	 Basic understanding of UG equipment and their functions. Understanding of first aid, mine safety and work practices for UG Mines. Basic training on usage of workshop tools and tackles.
Minimum Job Entry Age	18 Years
Experience	0-1 years of related experience
Applicable National Occupational Standards (NOS)	 Compulsory: 1. <u>MIN/N0243– Getting work area ready and pre-operational checks.</u> 2. <u>MIN/N0244 – Assisting in operation and maintenance</u> 3. <u>MIN/N0901 – Comply with Workplace Health & Safety.</u> Optional Not Applicable
Performance Criteria	As described in the relevant OS units.



Definitions



Keywords/	Terms	Description
Sector		Sector is a conglomeration of different business operations having similar businesses 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.
Function		Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job Role		Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
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.
Performanc	e	Performance Criteria are statements that together specify the standard of
Criteria NOS		performance required when carrying out a task. NOS are Occupational Standards which apply uniquely in the Indian context.
Qualificatio	ns Pack	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualificatio	ns Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification 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.
Knowledge Understand		Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizatio Context	nal	Organizational Context includes the way the organization 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 o Generic Skil	or	Core Skills or Generic Skills are a group of skills that are 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.





Acronyms

Keywords/Terms	Description
SCMS	Skill Council for Mining Sector
NOS	National Occupational Standards
NSQF	National Skill Qualification Framework
NVEQF	National Vocational Educational Qualification Framework
NVQF	National Vocational Qualification Framework
OS	Occupational Standard
PC	Performance Criteria
QP	Qualification Pack
SSC	Sector Skill Council
HEMM	Heavy Earth Moving Machinery
OEM	Original Equipment Manufacturer
DGMS	Director General of Mines and Safety







Getting work area ready and pre-operational checks.

National Occupational Standard



Overview

This unit is about providing necessary assistance to operators in getting their work place ready and pre operational check of the machines and getting ready for daily operations.







Getting work area ready and pre-operational checks.

Unit Code	;	MIN/N0243
Unit Title (Task)		Getting work area ready and pre-operational checks.
Descriptio	on	This unit is about providing necessary assistance to operators in pre operational check of the machines and getting ready for daily operations.
Scope		 This unit/task covers the following: Getting work area or machine ready for operation, Assisting in daily inspection and fault reporting. Assisting to carry the right tools and other accessories.
Performa	nce Criteria(P	C) w.r.t. the Scope
Element		Performance Criteria
machine	1	 To be competent, the user/individual on the job must be able to: PC1. Clean the haulage track, mining machinery and work area, PC2. Couple / uncouple haulage tubs / carriages, PC3. Check oil and lubricants level. PC4. To immediately notify any unsafe material or cut wire or any such broken things to operator/technician PC5. Carry out daily greasing and lubrication of conveyors and machine drives as per Schedule or as directed by operator/technician. PC6. Help replace any drill bit as per instruction from Operator / technicians.
Assisting inspection reporting	n and fault	 To be competent, the user/individual on the job must be able to: PC7. Follow the work orders. PC8. Assist the Operator and Technician in conducting daily inspection and check of different machines PC9. Carry out preliminary & visual checks. Observe any unusual noise, vibration, leak, spillage, accumulation etc. and communicate the same to Operator / Technician / Fitter. PC10. Check track chain bolts and give torque if required. Check belts, chains and other drive components PC11. Take readings of meter and gauge measurements & sensor standards inform operator and technician.







Getting work area ready and pre-operational checks.

Assisting to carry the right tools and other accessories. Knowledge and Unders	 PC10. Carry required tools, daily consumables and parts required during the operation to the machine PC11. Clean the machine parts or subassemblies for technicians to carry out fault repair. PC12. Use the tools in proper way and as per direction of operator / technician. 	
A. Organizational Context (Knowledge of the company / organization and its processes)	 The user/individual on the job needs to know and understand: KA1. Workplace standing instructions & Procedures KA2. Safety in the vicinity of machinery and safety policy. KA3. Knowledge of mining safety procedures. KA4. Reporting structure in the company. KA5. Escalation matrix for reporting unresolved problem. KA6. Procedure of spares issue. Location of tools. KA7. Contact person in case of urgency. KA8. Location and process for storing and disposing of broken parts or waste 	
B. Technical Knowledge	 KA8. Edication and process for storing and disposing of broken parts of waste material. The user/individual on the job needs to know and understand: KB1.Basic knowledge of different UG mine machines and their functionalities - Haulage of tubs, coupling, decoupling etc. Conveyor systems to transport rocks and minerals. Drill to make hole in the coal seam, Rock or Coal cutting machines. Different types of pumps to drain out water from mines. SDL/LHD to transport coal. Machines to operate winding engine/ cage for lift and withdrawn the miner from mines. Roof bolting machines operation. Electrical instruments used in underground:- i) Transformers, ii) Switchgear, iii) Lighting, iv) Pump, v) Motors. Gas detectors and precautions to be taken against noxious gases. KB2. Know right lubricants for conveyors, drives, gearboxes, chain and sprocket drives and greasing points of different machines KB3. Know the right set of tools and tackles required for Maintenance. KB4. Procedure of acquisitions of tools and tackles from store and return policies. KB5. Different types of jacks and lifting tackles and their capacity. 	







Getting work area ready and pre-operational checks.

Skills (S)		
A. Core Skills/ Generic Skills	Writing Skills	
Generic Skills	The user/individual on the job needs to know and understand how to: SA1. note gauge and meter readings, SA2. Write simple short reports.	
	Reading Skills	
	The user/individual on the job needs to know and understand how to:SA3.Read the instructions and symbols given at workplaceSA4.Read information sent by othersSA5.Read the risk management plan of the job.Oral Communication (Listening and Speaking skills)	
	 The user/individual on the job needs to know and understand how to: SA6. Effectively communicate with the Operator / Technician / team members SA7. Question internal customer/supervisor appropriately in order to understand the nature of instruction. SA8. Attentively listen and comprehend the information given by speaker. 	
B. Professional Skills	Decision Making	
	user/individual on the job needs to know and understand how to: SB1. Make decisions in case of emergency and if Operator / Supervisor is not available. Plan and Organize	
	The user/individual on the job needs to know and understand: SB2. Plan work according to the schedule and place given by Operator / technician	
	Customer Centricity	
	The user/individual on the job needs to know and understand how to: SB3. Provide services to ensure satisfaction to his operators and supervisors.	
	Problem Solving	
	The user/individual on the job needs to know and understand how to: SB4. Report problem that he can't resolve to Operator / Fitter / Technician/ supervisor	
	Analytical Thinking	
	The user/individual on the job needs to know and understand how to: SB5. Observe and share the observations that may lead to breakdown.	
	Critical Thinking	







MIN/N0243	Getting work area ready and pre-operational checks.
	The user/individual on the job needs to know and understand how to:
	SB6. use common sense and make judgments during day to day basis
	SB7. Use reasoning skills to identify and resolve basic problems.









Getting work area ready and pre-operational checks.

NOS Version Control

NOS Code	MIN/N0243		
Credits (NSQF)	TBD	Version number	1.0
Sector	Mining	Drafted on	08 /08/2016
Sub-sector	Mining Operation	Last reviewed on	27/09/2016
Occupation	Loading & Hauling – Underground	Next review date	26/09/2019



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Assisting in operation and maintenance

National Occupational Standards



Overview

This unit is about providing necessary assistance in operation, scheduled maintenance and repair in case of breakdown.







Assisting in operation and maintenance
MIN/N0244
Assisting in Operation and Maintenance
This unit is about providing necessary assistance in operation, scheduled maintenance and repair in case of breakdown.
This unit/task covers the following:a) Assisting in daily operation.b) Assisting in breakdown repair and scheduled maintenance.
C) w.r.t. the Scope
Performance Criteria
 To be competent, the user/individual on the job must be able to: PC1. Understand the basic operations of each machine in underground mines. PC2. Follow the instruction of supervisors/operators/Technicians. PC3. Check the machine vicinity is clear of any obstructions and no unauthorised person is present there. To notify the operator accordingly. PC4. Switch on / off of conveyors, hoists and lifting tackles, dewatering pumps etc. as per Operator / Technicians instruction. PC5. Do coupling and decoupling of haulage tubs and carriages as required. PC6. Carry out regular visual checks and communicate to technician/ operator any unusual noise, vibration, leak, spillage, accumulation etc. PC7. To take note of any alarm message during operation and report the same to Technician or Operator. PC8. Carry the supports and other materials for timber man and roof bolter etc. PC9. Make him available all the time to the Operator during machine operation.
 To be competent, the user/individual on the job must be able to: PC10. Take direction from Technician and identify right machine spares, tools and tackles required for the repair and maintenance job on the machines. PC11. To get necessary authorisation and approval from Technician and mechanic for issuance of the spare parts, replacement consumables, tool bits, support materials and other materials. PC12. To get the items issued from store and carry right tools and tackles required to attend the breakdown or maintenance. PC13. Follow all the work instruction from Fitter / Technician to help them in routine maintenance. PC14. Tighten all nut bolts properly after maintenance. PC15. Do the housekeeping of the area after maintenance. PC16. Ensure proper disposal of worn out machine components at right place.

Knowledge and Understanding (K)







MIN/N0244	Assisting in operation and maintenance		
B. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. Workplace standing instructions & Procedures		
(Knowledge of the	KA2. Reporting structure.		
company /	KA3. Safety in the vicinity of machinery and safety policy.		
	KA4. Knowledge of mining safety procedures.		
organization and	KA5. Reporting structure in the company.		
its processes)	KA6. Escalation matrix for reporting unresolved problem.		
	KA7. Procedure of spares issue. Location of tools.		
	KA8. Contact person in case of urgency.		
	KA9. Location and process for storing and disposing of broken parts or waste		
	material.		
B. Technical	The user/individual on the job needs to know and understand:		
Knowledge	KB1. Basic knowledge of different UG mine machines and their functionalities -		
	Haulage of tubs, coupling, decoupling etc.		
	Conveyor systems to transport rocks and minerals.		
	Drill to make hole in the coal seam,		
	 Rock or Coal cutting machines. 		
	Different types of pumps to drain out water from mines.		
	SDL/LHD to transport coal.		
	Machines to operate winding engine/ cage for lift and withdrawn the miner		
	from mines.		
	Roof bolting machines operation.		
	• Electrical instruments used in underground :- i) Transformers, ii) Switchgear,		
	iii) Lighting, iv) Pump, v) Motors.		
	Gas detectors and precautions to be taken against noxious gases.		
	KB2. Know right lubricants for conveyors, drives, gearboxes, chain and sprocket		
	drives and greasing points of different machines		
	KB3. Know the right set of tools and tackles required for Maintenance.		
	KB4. Procedure of acquisitions of tools and tackles from store and return policies.		
	KB5. Different types of jacks and lifting tackles and their capacity.		
	Rbs. Directin types of jacks and inting tackies and their capacity.		
Skills (S)			
C. Core Skills/	Writing Skills		
Generic Skills			
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. Note gauge and meter readings.		
	SA2. Write simple short reports.		
	Reading Skills		
	The user/individual on the job needs to know and understand how to:		
	SA3. Read the instructions and symbols given at workplace		
	SA4. Read information sent by others		
	SA5. Read the risk management plan of the job		
	site. Add the formating offert plan of the job		







MIN/N0244	Assisting in operation and maintenance
	Oral Communication (Listening and Speaking skills)
	 The user/individual on the job needs to know and understand how to: SA6. Effectively communicate with the Operator / Technician / team members SA7. Question internal customer/supervisor appropriately in order to understand the nature of the instructions. SA8. Attentively listen and comprehend the information given by speaker.
D. Professional Skills	Decision Making
	user/individual on the job needs to know and understand how to: SB1. Make decisions in case of emergency and if Operator / Supervisor is not available.
	Plan and Organize
	The user/individual on the job needs to know and understand: SB2. Plan work according to the schedule and place given by Operator / technician
	Customer Centricity
	The user/individual on the job needs to know and understand how to: SB3. Provide services to ensure satisfaction to his operators and supervisors.
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB4. Report problem that he can't resolve to Operator / Fitter / Technician/ supervisor
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB5. Observe and share the observations that may lead to breakdown.
	Critical Thinking
	The user/individual on the job needs to know and understand how to: SB6. Use common sense and make judgments during day to day basis SB7. Use reasoning skills to identify and resolve basic problems.







Assisting in operation and maintenance

NOS Version Control

NOS Code	MIN/N0244			
Credits (NSQF)	TBD	Version number	1.0	
Sector	Mining	Drafted on	08 /08/2016	
Sub-sector	Mining Operation	Last reviewed on	27/09/2016	
Occupation	Loading & Hauling – Underground	Next review date	26/09/2019	





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Comply with Workplace Health and Safety

National Occupational Standards



Overview

This unit is about adhering to health and safety requirements at the workplace.







Comply with Workplace Health and Safety

MIN/N0901	Comply with Workplace Health and Safety
V Unit Code	MIN/N0901
Unit Title (Task)	Comply with workplace health and safety guidelines
Description	This unit provides the information regarding workplace health and safety.
Scope	This unit is about adhering to health and safety requirements at the workplace during equipment operations.
Performance Criteria(I	PC) w.r.t. the Scope
Element	Performance Criteria
Safety, Security and	To be competent, the user/individual on the job must be able to
Administrative	PC1. Comply with safety, health, security and environment related regulations / guidelines at the work site.
	PC2. Use Personal Protective Equipment (PPE) and other safety gear such as seat
	belt, body protection, respiratory protection, eye protection, ear protection and hand protection.
	PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk.
	PC4. Carry out operations as per the manufacturer's and workplace related health
	and safety guidelines. PC5. Handle the transport, storage and dispession of hazardous materials and waste
	PC5. Handle the transport, storage and disposition of hazardous materials and waste in compliance with workplace health, safety and environmental guidelines.
	PC6. Follow safety regulations and procedures with regard to workplace hazards
	and risks. PC7. Operate various grades of fire extinguishers, as applicable.
	PC8. Support in administering basic first aid and report to concerned team members, as required, in case of an accident.
	PC9. Respond promptly and appropriately to an accident/incident or emergency
	situation, within limits of your role and responsibility.
	PC10. Record and report details related to operations, incidents or accidents, as applicable
	PC11. Follow the manufacturer's instructions for care and safe operation of the
	equipment.
Knowledge and Under	standing (K)
Regulatory Context	The user/individual on the job needs to know and understand:
(Knowledge of the	KA1. Benching in quarries, dressing of overhangs, undercuts, fencing.KA2. First aid and Hygiene.
company /	KA3. Code of traffic in specific areas of mine. Significance of fences.
organization and its processes)	KA4. Standing orders in force at the mine. Safety in the vicinity of Machinery.
processes)	KA5. Shot-firing and Safety regulations. How and where to take shelteKA6.
	Knowledge







MIN/N0901	Comply with Workplace Health and Safety					
	of mining safety procedures.					
	KA6. Outcome of violation of safety procedures.					
	KA7. Locally prepared Emergency Preparedness / Disaster Management Plan.					
	KA8. Process for reporting any unsafe act/condition in work area which may					
	endanger his or his colleague's life.					
	KA9. Environmental impact of mining.					
	KA10. Sources of dust, noise and vibration and measures to minimize.					
	KA11. Hazardous material safety and security rules and regulations as prescribed by					
	DGMS.					
Technical	The user/individual on the job needs to know and understand:					
Knowledge	KB1. Basic knowledge of operation of the machines used in UG Mines.					
	KB2. Technical and gallery training as per first schedule, Mining Vocational Training					
	Rules (MVTR) 1966.					
	KB3. Refresher training as per first schedule, Mining Vocational Training Rules					
	(MVTR) 1966. if absent from mines for a period of One year or more before re-					
	employment.					
(m ^a						









Comply with Workplace Health and Safety

NOS Version Control

NOS Code	MIN/N0901			
Credits (NSQF)	TBD	Version number	1.0	
Sector	Mining	Drafted on	08 /08/2016	
Sub-sector	Mining Operation	Last reviewed on	27/09/2016	
Occupation	Loading & Hauling – Underground	Next review date	26/09/2018	



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Qualifications Pack for Assistant Support - Underground Mines



Annexure

Nomenclature for QP and NOS



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

Sub-sector	Range of Occupation numbers
Exploration & Resource Management	01 to 50
Mining Operations	01 to 80
Engineering Services	01 to 60
Mineral Beneficiation	01 to 35

Sequence	Description	Example
Three letters	Industry name	MIN
Slash	/	/
Next letter	Whether Q P or N OS	N
Next two numbers	Occupation code	01
Next two numbers	OS number	01





CRITERIA FOR ASSESSMENT OF TRAINEES

<u>Job Role</u> Assistant Support - Underground Mines <u>Qualification Pack</u> MIN/Q0213

Sector Skill Council Mining

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC

2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC

3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)

4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria

5. To pass the Qualification Pack, every trainee should score a minimum of 50% in every NOS

6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

				Marks All	ocation
Assessment outcomes	Assessment Criteria for outcomes	Total Mark (100)	Out Of	Theory	Skills Practical
			100	30	70
1. MIN/N0243: Getting work area ready and	PC1. Clean the haulage track, mining machinery and work area,	35	3	1	2
pre-operational checks.	PC2. Couple / uncouple haulage tubs / carriages,		3	1	2
	PC3. Check oil and lubricants level.		1	1	2
	PC4. To immediately notify any unsafe material or cut wire or any such broken things to Operator / Technicians.		2	0	2
	PC5. Carry out daily greasing and lubrication of conveyors and machine drives as per schedule or as directed by Operator / technician.		3	1	2
	PC6. Help replace any drill bit as per instruction from Operator / technicians. Help replace any support and mesh supports etc.		3	1	2
	PC7. Follow the work orders.]	2	2	0





	PC8. Assist the Operator and Technician in conducting daily inspection and check of the machine.		3	1	2
	PC9. Carry out preliminary & visual checks. Observe any unusual noise, vibration, leak, spillage, accumulation etc. and communicate the same to Operator / Technician / Fitter.		3	1	2
	PC10. Check track chain bolts and give torque if required. Check belts, chains and other drive components.		2	1	1
	PC11. Take readings of meter and gauge measurements & sensor standards and inform Operator / Technician.		2	1	1
	PC12. Carry required tools, daily consumables and parts required during the shift operation to the machine and for repair and maintenance.		2	0	2
	PC13. Clean the machine parts or subassemblies for technicians to carry out fault repair.		2	0	2
	PC14. Use the tools in proper way and as per direction of operator / technician.		2	0	2
		Total	35	11	24
2. MIN/N0244: Assisting in	PC1. Understand the basic operations of each machine in underground mines.	45	5	3	2
operation and maintenance.	PC2. Follow the instruction of supervisors/operators/Technicians.	45	2	1	1
	PC3. Check the machine vicinity is clear of any obstructions and no unauthorised person is present there. To notify the operator accordingly.		2	0	2
	PC4. Switch on / off of conveyors, hoists and lifting tackles, dewatering pumps etc. as per Operator / Technicians instruction.		3	1	2
	PC5. Do coupling and decoupling of haulage tubs and carriages as required.		3	0	3
	PC6. Carry out regular visual checks and communicate to technician/ operator any unusual noise, vibration, leak, spillage, accumulation etc.		3	1	2
	PC7. To take note of any alarm message during operation and report the same to Technician or Operator.		4	1	3
	PC8. Carry the supports and other materials for timberman and roof bolter etc.		3	1	2
	PC9. Make himself available all the time to the Operator during machine operation.		2	1	1





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PC10. Take direction from Technician and		3	0	3
identify right machine spares, tools and tackles				
		2	0	2
••				
0		2	0	2
		3	1	2
		3	0	3
				1
1 0		2	1	1
maintenance.				
PC16. Ensure proper disposal of worn out		3	1	2
machine components at right place.				
	Total	45	12	33
PC1. Comply with occupational health and	20	2	1	1
		2	1	1
with respect to materials handling and				
accidents.				
DC2 Fallow the correct of the store in cost of			1	1
		2		1
		2	0	2
		2	0	Z
propoduros in acco of fire bazard				
procedures in case of fire hazard.		2	1	1
PC5. Operate various grades of fire		2	1	1
PC5. Operate various grades of fire extinguishers.				
PC5. Operate various grades of fire extinguishers.PC6. Work responsibly and as safe and careful		2	1	1
PC5. Operate various grades of fire extinguishers.PC6. Work responsibly and as safe and careful as possible so as not to put the health and				
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including 				
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public 		2	1	1
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of 				
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety 		2	1	1
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. 		2	0	2
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory 		2	1	1
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory requirement 		2 2 1	0	1 2 0
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory requirement PC9. Identify characteristics of post-blast 		2	0	2
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory requirement 		2 2 1	0	1 2 0
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory requirement PC9. Identify characteristics of post-blast fumes and take necessary precautions. 		2 2 1	0	1 2 0
 PC5. Operate various grades of fire extinguishers. PC6. Work responsibly and as safe and careful as possible so as not to put the health and safety of self or others at risk, including members of the public PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS. PC8. Deal with misfires as per statutory requirement PC9. Identify characteristics of post-blast 		2 2 1 2	1 0 1 1 1	1 2 0 1
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	identify right machine spares, tools and tackles required for the repair and maintenance job on the machines. PC11. To get necessary authorisation and approval from Technician and mechanic for issuance of the spare parts, replacement consumables, tool bits, support materials and other materials. PC12. To get the items issued from store and carry right tools and tackles required to attend the breakdown or maintenance. PC13. Follow all the work instruction from Fitter / Technician to help them in routine maintenance. PC14. Tighten all nut bolts properly after maintenance. PC15. Do the housekeeping of the area after maintenance. PC16. Ensure proper disposal of worn out machine components at right place. PC2. Follow mining operations procedures with respect to materials handling and accidents. PC3. Follow the correct safety steps in case of accident or major failure.	identify right machine spares, tools and tackles required for the repair and maintenance job on the machines. PC11. To get necessary authorisation and approval from Technician and mechanic for issuance of the spare parts, replacement consumables, tool bits, support materials and other materials. PC12. To get the items issued from store and carry right tools and tackles required to attend the breakdown or maintenance. PC13. Follow all the work instruction from Fitter / Technician to help them in routine maintenance. PC14. Tighten all nut bolts properly after maintenance. PC15. Do the housekeeping of the area after maintenance. PC16. Ensure proper disposal of worn out machine components at right place. PC1. Comply with occupational health and safety regulations adopted by the employer. PC2. Follow mining operations procedures with respect to materials handling and accidents. PC3. Follow the correct safety steps in case of accident or major failure. PC4. Comply with safety regulations and	identify right machine spares, tools and tackles required for the repair and maintenance job on the machines. PC11. To get necessary authorisation and approval from Technician and mechanic for issuance of the spare parts, replacement consumables, tool bits, support materials and other materials. PC12. To get the items issued from store and carry right tools and tackles required to attend the breakdown or maintenance. PC13. Follow all the work instruction from Fitter / Technician to help them in routine maintenance. PC14. Tighten all nut bolts properly after maintenance. PC15. Do the housekeeping of the area after maintenance. PC16. Ensure proper disposal of worn out machine components at right place. PC1. Comply with occupational health and safety regulations adopted by the employer. PC2. Follow mining operations procedures with respect to materials handling and accidents. PC3. Follow the correct safety steps in case of accident or major failure. PC4. Comply with safety regulations and 2 2 2 2 2 2 2 2 2 2 2 2 2	identify right machine spares, tools and tackles required for the repair and maintenance job on the machines. PC11. To get necessary authorisation and approval from Technician and mechanic for issuance of the spare parts, replacement consumables, tool bits, support materials and other materials. PC12. To get the items issued from store and carry right tools and tackles required to attend the breakdown or maintenance. PC13. Follow all the work instruction from Fitter / Technician to help them in routine maintenance. PC14. Tighten all nut bolts properly after maintenance. PC15. Do the housekeeping of the area after maintenance. PC16. Ensure proper disposal of worn out machine components at right place. PC1. Comply with occupational health and safety regulations adopted by the employer. PC2. Follow mining operations procedures with respect to materials handling and accident s. PC3. Follow the correct safety steps in case of accident or major failure.



Qualifications Pack for Assistant Support - Underground Mines



PC11. Follow the manufacturer's instructions for care and safe operation of the equipment.		1	0	1
	Total	20	7	13