

Annexure: Assessment Criteria

Assessment Criteria for Assistant Mine Surveyor	
Job Role	Assistant Mine Surveyor
Qualification Pack	MIN/Q0426, V1.0
Sector Skill Council	Skill Council for Mining Sector

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 70% of aggregate marks to successfully clear the assessment.
7. In case of *unsuccessful completion*, the trainee may seek reassessment on the Qualification Pack.

		Total Mark (100)	Out Of	Marks Allocation	
				Theory	Skills Practical
1. MIN/ N 0473 (Assist in measuring and setting out dimensional control for the mining requirements)	PC1. Information and instructions are interpreted accurately for dimensional position and measurement control of the work program	30	3	2	1
	PC2. Area to be measured and set out is identified accurately in accordance with the work's specification		2	1	1
	PC3. Measuring tools and equipment are selected to carry out the measuring and setting-out requirements		3	2	1

	PC4. Transference of dimensional control requirements are taken from given reference points in accordance with information and instructions
	PC5. Components for setting out dimensional control are obtained in accordance with regulatory and operational requirements
	PC6. Clarification and understanding of the information and instructions are confirmed with the appropriate person(s)
	PC7. Markings and dimensional control components are positioned and secured accurately in accordance with the specifications and work requirement
	PC8. Variations between the information and instructions and the actual dimensions of work are reported promptly to the authorized person
	PC9. Corrective actions for variations to the information and instructions are agreed, recorded and confirmed with the appropriate person(s)
	PC10. Work is carried out to approved procedures and practices and in compliance with statutory requirements
	PC11. Prepare and maintain the plan and sections and related instruments

3	2	1
3	2	1
2	1	1
3	2	1
3	2	1
2	1	1
2	1	1
2	1	1

	PC12. Understand/ identify the errors in surveying under the guidance of surveyor
2. MIN/ N 0474 (Set out secondary dimensional work control)	PC1. Interpret drawings of the survey area and draw relevant conclusions with respect to contours, markings and drawing symbols
	PC2. Understand and identify action points from method statements
	PC3. Clearly understand specifications related to surveying equipment and specific usage intended for the purpose
	PC4. Understand the operating instructions specified with manufacturer's information
	PC5. Understand the process of establishing reference points with respect to the work to be carried out
	"PC6. Select the required type and quantity of resources: material, components and equipment relating to types, quantity, quality and sizes of standard and/or specialist: • measuring tools and instruments • marking equipment • level and alignment tools."

Total

30

2	1	1
30	18	12
3	2	1
2	1	1
2	1	1
2	1	1
2	1	1
3	2	1

	PC7. Use given equipment to transfer, transpose, level, measure, mark, position, fix and secure required reference points
	PC8. Measure and set out secondary dimensional control for the work
	PC9. Measure, align and level to dimensional control requirements
	PC10. Transfer and set out line, angles and levels to dimensional control requirements
	PC11. Use hand tools and measuring and marking equipment
	PC12. Work at height if required to set up equipment
3. MIN/ N 0475 (Move and handle resources to assist surveyor)	PC1. Comply with the given information to move and store resources to maintain safe work practice
	PC2. Select the resources to be stored/moved and ensure they conform to the given information

	3	2	1
	3	2	1
	3	2	1
	3	2	1
	2	1	1
	2	1	1
Total	30	18	12
15	4	3	1
	3	2	1

	PC3. Comply with the given information to prevent damage to the product and surrounding environment
	PC3. Comply with the given information to prevent damage to the product and surrounding environment
	PC4. Comply with the given product information to carry out the work efficiently to the required guidance.
4. MIN/ N0901 (Health and Safety)	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 procedures in case of fire hazard.
	PC5. Operate various grades of fire extinguishers.

Total

25

	2	2
4	2	2
4	2	2
15	9	6
2	1	1
3	2	1
2	1	1
2	1	1
3	2	1

	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.
	PC10. Wears safety gear such as hard hat, respiratory protection, eye protection, ear protection
	PC11. Follow the manufacturer's instructions for care and safe operation of the equipment.

Total

2	1	1
3	2	1
2	1.5	0.5
2	1.5	0.5
2	1	1
2	1	1
25	15	10