

		<ul style="list-style-type: none"> Examine environment management plan and all related reports correctly and check conformity with the requirements of the mining plan. Explain the method of backfilling, mountain creation, dumping, piling, levelling, dozing, etc. Identify the overburden and area for reclamation to conform with the overall Environment Management plan of the site. Describe the deferent types of Reclamation methodology. Finalize the reclamation methodology by discussions with the supervisor and reading the process manuals/Work Instructions/Standard Operating Procedures 	
3	<p>Execute end to end reclamation activities at the mine site</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 70:00</p> <p>Corresponding NOS Code MIN/N0502</p>	<ul style="list-style-type: none"> Collect information at the site on the removal, dumping, levelling, and plantation plan Oversee duties of Dumper, Dozer, Spreader/leveller machines Examine the proper operations of sand reclamation using back filing or other suggested methods Purchase & Maintenance of nursery as per EMP Water supply to plants, maintenance of pipelines to trees, use requisite machinery for watering small plants Maintain washouts, maintenance of drainage, sedimentation checks as per process Support in Internal & External Audits Carry out the compliance to audit observations with respect to reclamation aspects Maintain Activity records as per organization standards. Store reports & make them available for review and planning Build adequately strong fencing to prohibit any inadvertent and unsafe entry. Track expenditure details of budgetary provisions. 	<p>Reflective Jacket, Safety Belt, Gum Boots/ Safety shoes, Fire Extinguisher Cylinders, First Aid Box, Fire Fighting Charts, First Aid Charts, Computer with Internet, LCD Projector, Trainer Chair & Table, Demonstration Table, Pin Up Boards, White Board</p>
4	<p>Health and Safety</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 30:00</p>	<ul style="list-style-type: none"> Comply with safety, health, security and environment related regulations/ guidelines at the Mine and follow the Safe Operation procedure (SOP) made before hand in consultation with the DGMS and implement the same. Use Personal Protective Equipment (PPE) such as, hand gloves, helmet, safety shoes, dust mask, ear plug, reflective jackets, safety goggles etc. 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 and carry out operations as per the 	<p>Reflective Jacket, Safety Belt, Gum Boots/ Safety shoes, Fire Extinguisher Cylinders, First Aid Box, Fire Fighting Charts, First Aid Charts, Computer with Internet, LCD Projector, Trainer Chair & Table, Demonstration Table, Pin Up Boards, White Board</p>

<p>Corresponding NOS Code MIN/N0904</p>	<p>manufacturer's and worksite related health and safety guidelines.</p> <ul style="list-style-type: none"> Follow the manufacturer's instructions for care and safe operation of mine, machinery, equipment and take requisite care not to damage any power and pneumatic lines and protect self and machinery from unwarranted exposure. Handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite guidelines as prescribed by DGMS and Mine manager. Deal with misfires as per laid out process and identify characteristics of post-blast fumes and take necessary precautions like attending the place after lapse of 5 minutes of blasting. Support in administering basic first aid and report to the concerned team members and respond promptly and appropriately to an accident/incident or emergency situation. Check walkway rules are followed, various signalling devices are deployed and operating speed etc. are strictly adhered to for any moving HEMM or other machinery and ensure that no other operators travel on or stand near the Loader Check that HEMM or other such transportation and moving machinery are always parked on firm, level ground with handbrake applied, drive and controls disengaged Examine all prescribed measures while camping in a remote site or camp, including compliance to safety procedures in case of inundation, fire hazard, gas occurrence etc. 	
<p>Total Duration</p> <p>Theory Duration 72:00</p> <p>Practical Duration 168:00</p>	<p>Unique Equipment Required:</p> <p>Helmet, Dust Mask, Goggles, Ear Plug, Gloves,</p>	

Grand Total Course Duration: 240 Hours, 0 Minutes
(This syllabus/ curriculum has been approved by SSC: Skill Council for Mining Sector)

Trainer Prerequisites for Job role: “Reclamation Supervisor” mapped to Qualification Pack: “MIN/Q0436, V1.0”

Sr. No	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ <u>MIN/Q0436, V1.0</u> ”.
2	Personal Attributes	This job requires sensitivity to problem solving, safety orientation, reading, writing and communication skills and good agility. The person should be of good physical condition with good vision and must pass through periodic medical tests.
3	Minimum Educational Qualifications	B.Sc-Agriculture/ Horticulture, B.Sc-General (with Botany)
4a	Domain Certification	Certified for Job Role: “Reclamation Supervisor” mapped to QP: “ <u>MIN/Q436, V1.0</u> ”. Minimum accepted score is 80%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “ <u>MEP/Q102</u> ”. Minimum accepted score for platform certification will be 80%.
5	Experience	B.Sc-Agriculture/ Horticulture, B.Sc-General (with Botany) - 6 years

Annexure: Assessment Criteria

Assessment Criteria for Reclamation Supervisor	
Job Role	Reclamation Supervisor
Qualification Pack	MIN/Q0436, 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 <i>unsuccessful completion</i> , the trainee may seek reassessment on the Qualification Pack.

		Total Mark (100)	Out Of	Marks Allocation	
				Theory	Skills Practical
1. MIN/ N 0501 (Understand reclamation aspects of the Mine Environment Protection Plan)	PC1. Understand the scope of Mining Plan and its impact on Environment Management Plan.	35	6	4	2
	PC2. Obtain Environment Management Plan and all related reports correctly and check conformity with the requirements of the Mining Plan.		6	3	3
	PC3. Complete the records accurately and make them available to authorized persons for their recommendations/ guidance.		5	3	2
	PC4. Plan reclamation activities to operationalize and to roll out organizational procedures and relevant legislation requirements for environment protection.		6	4	2

	PC5. Identify the overburden and area for reclamation to conform with the overall Environment Management plan of the site.	6	3	3
	PC6. Understand the Reclamation methodology and process to be adopted through discussions with the supervisor and reading the process manuals/ Work Instructions/Standard Operating Procedures	6	3	3
2. MIN/N0502 (Execute end to end reclamation activities at the mine site)	PC1. Collect information at the site on the removal, dumping, levelling, and plantation plan			
	PC2. Oversee duties of Dumper, Dozer, Spreader/leveler machines	4	2	2
	PC3. To ensure proper operations of sand reclamation using back filing or other suggested methods	3	2	1
	PC4. Purchase & Maintenance of nursery as per EMP	4	2	2
	PC5. Water supply to plants, maintenance of pipelines to trees, use requisite machinery for watering small plants	3	2	1
	PC6. Maintain washouts, maintenance of drainage, sedimentation checks as per process	4	2	2
	PC7. Support in Internal & External Audits	4	2	2
	PC8. Ensure compliance to Audit observations with respect to reclamation aspects	3	2	1
	PC9. Maintain Activity records	3	2	1
	PC10. Store reports & make them available for review and planning	3	2	1
	Total	35	20	15
	35			
	Total	35	20	15

3. MIN/N0901 (Health and Safety)	PC1. Comply with occupational health and safety regulations adopted by the employer.	30	3	2	1
	PC2. Follow mining operations procedures with respect to materials handling and accidents		3	2	1
	PC3. Follow the correct safety steps in case of accident or major failure		3	2	1
	PC4. Comply with safety regulations and procedures in case of fire hazard.		3	2	1
	PC5. Operate various grades of fire extinguishers.		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		2	1.5	0.5
	PC7. Perform storage and transport of hazardous materials compliant with safety guidelines prescribed by DGMS.		2	1.5	0.5
	PC8. Deal with misfires as per statutory requirement		2	1	1
	PC9. Identify characteristics of post-blast fumes and take necessary precautions.		3	2	1
	PC10. Wears safety gear such as hard hat, respiratory protection, eye protection, ear protection		3	2	1
	PC11. Follow the manufacturer's instructions for care and safe operation of the equipment.		3	2	1
		Total	30	20	10