

Qualification Pack



Mountaineering Instructor

QP Code: THC/Q4522

Version: 2.0

NSQF Level: 6

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THC/Q4522: Mountaineering Instructor

Brief Job Description

A mountaineering instructor is responsible for teaching climbing techniques to students and clients and for guiding them safely on a mountaineering expedition in a controlled and evaluated environment. In addition, the Mountaineering Instructor is involved in supervising equipment maintenance.

Personal Attributes

The job requires the individual to have a high level of fitness (both cardiovascular and motor) to withstand high endurance activity for long durations and the ability to adapt to extreme weather conditions in the mountains. The person should have a friendly/approachable and motivating personality to deal with all kinds of clients/students.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [THC/N8605: Prepare for Activity/Expedition](#)
2. [THC/N8606: Conduct the Activity/Expedition](#)
3. [THC/N8607: Complete Post Activity/Expedition Requirements](#)
4. [THC/N8608: Assess and Mitigate Risks for Mountaineering](#)
5. [THC/N9913: Communicate with Customers and Colleagues](#)
6. [THC/N9915: Maintain Safe, Healthy and Hygienic Practices](#)
7. [THC/N9914: Follow Gender and Age Sensitive Practices](#)
8. [THC/N9916: Follow and Maintain Green Practices](#)

Qualification Pack (QP) Parameters

Sector	Tourism & Hospitality
Sub-Sector	Adventure Tourism
Occupation	Mountain-Based Activities
Country	India

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NSQF Level	6
Aligned to NCO/ISCO/ISIC Code	NCO-2015/4221.0100
Minimum Educational Qualification & Experience	<p>12th Class/I.T.I (two years after class 10th) with 2 Years of experience and should have participated in 5 mountaineering expeditions posing varied ice and rock technical challenges and successfully summitting at least 3 Himalayan peaks above 6,500 mts and Advanced Mountaineering (AMC), Search and Rescue (S&R), Method of Instruction (MOI) and Wilderness First Responder (WFR) courses from any Indian and globally recognized Mountaineering Institute/center.</p> <p>OR</p> <p>12th Class/I.T.I (one year after class 10th and with one year of any experience) with 2 Years of experience and should have participated in 5 mountaineering expeditions posing varied ice and rock technical challenges and successfully summitting at least 3 Himalayan peaks above 6,500 mts and Advanced Mountaineering (AMC), Search and Rescue (S&R), Method of Instruction (MOI) and Wilderness First Responder (WFR) courses from any Indian and globally recognized Mountaineering Institute/center.</p> <p>OR</p> <p>Certificate-NSQF (Level-5 High Altitude Trekking Guide) with 1 Year of experience and should have participated in 3 mountaineering expeditions posing varied ice and rock technical challenges and successfully summitting at least 2 Himalayan peaks above 6,500 mts and Advanced Mountaineering (AMC), Search and Rescue (S&R), Method of Instruction (MOI) and Wilderness FirstResponder (WFR) courses from any Indian and globally recognized Mountaineering Institute/center.</p>
Minimum Level of Education for Training in School	12th Class
Pre-Requisite License or Training	NA
Minimum Job Entry Age	20 Years
Last Reviewed On	20/01/2021
Next Review Date	29/07/2024
NSQC Approval Date	29/07/2021
Version	2.0
Reference code on NQR	2021/TH/THSC/04424



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THC/N8605: Prepare for Activity/Expedition

Description

This unit is about assessing pre-expedition information and completing all preparations for the activity/expedition.

Scope

The scope covers the following :

- carry out preparatory activity for the expedition.
- conduct pre-expedition logistics and equipment check.
- prepare the participants for the expedition.

Elements and Performance Criteria

Carry out preparatory activity for the expedition

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

- PC1.** collate work instructions, details of the expedition and its difficulty level from the organizer.
- PC2.** obtain and assess detailed information about the student/client's age, gender, health issues(if any), special requests and past experience in mountaineering (if any).
- PC3.** review all technical information for the expedition and share the same with the participants.
- PC4.** prepare a list of all the equipment and logistics required for the expedition.
- PC5.** supervise the tasks carried out by the assistant instructor, high altitude trekking guide, high altitude porter and kitchen staff for expedition planning and preparation.
- PC6.** identify skills that need to be taught based on the technical requirements of the final expedition and prepare a training schedule for the team.
- PC7.** identify the training area while ensuring it has all the elements needed for the training program.
- PC8.** organize assessment sheets to grade the participants on their skills learnt.
- PC9.** coordinate with and assist the rest of the team members (high altitude trekking guide, high altitude porter, kitchen staff) to complete transportation requirements, booking porter/ponies and arranging for any last-minute supplies for the expedition.

Conduct pre-expedition logistics and equipment check

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

- PC10.** coordinate with transporters, porters/ponies, suppliers, local police, hospitals and district office and pass on the trip information to them if required.
- PC11.** inspect the condition and certification of equipment such as kernmantle ropes, harnesses, helmets, climbing shoes, snow boots, crampons, mittens, gaiters, carabiners, pulley, belay devices, slings, tape slings, pitons, ice axe, etc.
- PC12.** ensure that sufficient numbers and sizes of equipment such as harnesses, mittens, climbing shoes, helmets, snow boots, crampons, ice axe, helmets, gaiters and backpacks, etc., are available for the guests.

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- PC13.** create a checklist (on computer) of all the personal mountaineering equipment (harness, helmet, wind/water resistant jackets, climbing shoes, ladders, snow boots, crampons, gaiters, sleeping bags, ice axe, etc.) to be issued to the participants and a checklist of personal belongings they need to carry for the expedition.
- PC14.** make logbook entries of all the equipment being used, along with the serial number and quantity of each equipment.

Prepare the participants for the expedition

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

- PC15.** welcome the students/clients in a friendly and approachable manner.
- PC16.** distribute the equipment and personal gear checklists to each participant.
- PC17.** assist the students/clients in trying out the harness, helmets, wind/water resistant jackets, climbing shoes, snow boots, crampons and backpacks according to their respective sizes and adjust their fittings.
- PC18.** review all participants' personal gear list to ensure that they're not over or under packed and assist them in packing.
- PC19.** issue any equipment provided by the expedition organizer e.g., sleeping bags, mats, rucksacks, etc.
- PC20.** brief the students/clients about the training and expedition schedule.
- PC21.** assist the students/clients for any last-minute purchases.
- PC22.** brief and demonstrate the ABCDE's (Accessibility, Balance, Compress, Dry, Everything inside) of backpacking.
- PC23.** sensitize female participants about female hygiene products and their proper disposal in the wilderness.
- PC24.** review each student's/client's medical condition and level of fitness.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** SOPs and safety and service quality standards followed in the organization.
- KU2.** reporting structure and documentation procedures.
- KU3.** the importance of respect for students/clients, colleagues and local communities.
- KU4.** the use of mountaineering equipment - kernmantle ropes, harnesses, helmets, climbing shoes, snow boots, crampons, mittens, gaiters, carabiners, pulley, belay devices, slings, tape slings, pitons, ice axe, etc.
- KU5.** the methods and importance of equipment maintenance.
- KU6.** elements of mountaineering i.e., rock, ice, snow craft and backpack packing techniques.
- KU7.** personal gear required for a mountaineering expedition.
- KU8.** procedure for organizing daily training schedules and activities to ensure maximum retention by the student/client, based on their skill level.
- KU9.** how to arrange for all logistics required for the expedition such as transportation, porter/ponies, supplies and important contacts.
- KU10.** process of equipment logbook maintenance.

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- KU11.** the importance of assisting students/clients during equipment fittings and trials in a professional manner.
- KU12.** the importance of sensitizing female students/clients on female hygiene products and their proper disposal in the wilderness.

Generic Skills (GS)

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

- GS1.** create various lists.
- GS2.** take important decisions to carry out the trip effectively and efficiently.
- GS3.** plan and organize logistics.

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out preparatory activity for the expedition</i>	17	14	-	-
PC1. collate work instructions, details of the expedition and its difficulty level from the organizer.	2	2	-	-
PC2. obtain and assess detailed information about the student/client's age, gender, health issues(if any), special requests and past experience in mountaineering (if any).	2	2	-	-
PC3. review all technical information for the expedition and share the same with the participants.	2	1	-	-
PC4. prepare a list of all the equipment and logistics required for the expedition.	2	2	-	-
PC5. supervise the tasks carried out by the assistant instructor, high altitude trekking guide, high altitude porter and kitchen staff for expedition planning and preparation.	1	2	-	-
PC6. identify skills that need to be taught based on the technical requirements of the final expedition and prepare a training schedule for the team.	4	1	-	-
PC7. identify the training area while ensuring it has all the elements needed for the training program.	2	2	-	-
PC8. organize assessment sheets to grade the participants on their skills learnt.	-	-	-	-
PC9. coordinate with and assist the rest of the team members (high altitude trekking guide, high altitude porter, kitchen staff) to complete transportation requirements, booking porter/ponies and arranging for any last-minute supplies for the expedition.	2	2	-	-
<i>Conduct pre-expedition logistics and equipment check</i>	7	7	-	-
PC10. coordinate with transporters, porters/ponies, suppliers, local police, hospitals and district office and pass on the trip information to them if required.	1	1	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. inspect the condition and certification of equipment such as kernmantle ropes, harnesses, helmets, climbing shoes, snow boots, crampons, mittens, gaiters, carabiners, pulley, belay devices, slings, tape slings, pitons, ice axe, etc.	2	2	-	-
PC12. ensure that sufficient numbers and sizes of equipment such as harnesses, mittens, climbing shoes, helmets, snow boots, crampons, ice axe, helmets, gaiters and backpacks, etc., are available for the guests.	2	2	-	-
PC13. create a checklist (on computer) of all the personal mountaineering equipment (harness, helmet, wind/water resistant jackets, climbing shoes, ladders, snow boots, crampons, gaiters, sleeping bags, ice axe, etc.) to be issued to the participants and a checklist of personal belongings they need to carry for the expedition.	1	1	-	-
PC14. make logbook entries of all the equipment being used, along with the serial number and quantity of each equipment.	1	1	-	-
<i>Prepare the participants for the expedition</i>	14	17	-	-
PC15. welcome the students/clients in a friendly and approachable manner.	1	1	-	-
PC16. distribute the equipment and personal gear checklists to each participant.	2	2	-	-
PC17. assist the students/clients in trying out the harness, helmets, wind/water resistant jackets, climbing shoes, snow boots, crampons and backpacks according to their respective sizes and adjust their fittings.	1	1	-	-
PC18. review all participants' personal gear list to ensure that they're not over or under packed and assist them in packing.	1	1	-	-
PC19. issue any equipment provided by the expedition organizer e.g., sleeping bags, mats, rucksacks, etc.	1	1	-	-
PC20. brief the students/clients about the training and expedition schedule.	1	2	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC21. assist the students/clients for any last-minute purchases.	1	1	-	-
PC22. brief and demonstrate the ABCDE's (Accessibility, Balance, Compress, Dry, Everything inside) of backpacking.	2	4	-	-
PC23. sensitize female participants about female hygiene products and their proper disposal in the wilderness.	2	3	-	-
PC24. review each student's/client's medical condition and level of fitness.	2	1	-	-
NOS Total	38	38	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	THC/N8605
NOS Name	Prepare for Activity/Expedition
Sector	Tourism & Hospitality
Sub-Sector	Adventure Tourism
Occupation	Mountain-Based Activities
NSQF Level	6
Credits	TBD
Version	1.0
Last Reviewed Date	20/01/2021
Next Review Date	29/07/2024
NSQC Clearance Date	29/07/2021

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THC/N8606: Conduct the Activity/Expedition

Description

This unit is about carrying out mountaineering training and expedition by following safe guiding and environmental practices.

Scope

The scope covers the following :

- preparation before executing the expedition.
- conduct the training and assist in the expedition.
- manage persons with disabilities.
- adhere to environmental conservation practices.

Elements and Performance Criteria

Preparation before executing the expedition

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

- PC1.** ensure that the students/clients have signed the indemnity waivers.
- PC2.** coordinate with the other team members to ensure everything is in place - porters/ponies, vehicles, general camp equipment.
- PC3.** ensure that camp crew departs first with all the equipment and provisions to set up the first camp or the training camp as required.
- PC4.** coordinate with the trekking guide to ensure that there are adequate quantity of packed lunches, snacks and drinking water.

Conduct the training and assist in the expedition

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

- PC5.** assist and share responsibility with the trekking guide to guide the students/clients to the rock craft, ice craft and snow craft site (while hiking or in vehicles).
- PC6.** create a safe training environment by assessing crag or mountain to determine a safe, efficient and effective solution and conduct the training activity in a safe manner as per risk assessment protocols e.g., how to wear equipment, staying hydrated, etc.
- PC7.** ensure training level is based on technical difficulties anticipated for the expedition eg., use of ropes, self arresting, use of pitons and ice axe on an ice wall, walking on soft snow with snow boots, on hard snow with the help of crampons and choose climbing routes from easy to moderate to challenging.
- PC8.** ensure to use maps and stick to the route that was planned, unless there is some major hazard preventing you from doing so.
- PC9.** plan day by day route selection as per the group dynamics.
- PC10.** organize all the equipment on a flat surface over a tarpaulin and demonstrate how to wear and remove PPE (harness, helmet, mittens, climbing shoes, snow boots, crampons, gaiters).
- PC11.** conduct the training on different techniques for using mountaineering equipment.

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- PC12.** train and assist students/clients on different pitches (short, long and multi-pitch), chimney climbing, lead climbing and while navigating through technical areas such as glaciers, loose rock areas and crevasses.
- PC13.** help the expedition leader choose climbing parties as per personal attributes of the students/clients.
- PC14.** assist climbers during the expedition and summit attempts and ensure they are accurately utilizing the training given to them so they can achieve their goals.
- PC15.** provide information about the local culture, traditions, history, religious and mythological beliefs followed in the mountains of the particular area.
- PC16.** maintain a daily log of equipment used, incidents or injuries (if any) and learning progress of each student/client.
- PC17.** assess the progress of the learners and exclude /include them in advanced training or expedition attempt accordingly.
- PC18.** take decisions to discontinue an activity due to any incident or changing weather conditions.
- PC19.** document photos and/or videos of the trip with their phone camera or with the company provided one such as GoPro/DSLR, ensuring not to take selfies.
- PC20.** provide on the spot first-aid during emergencies.
- PC21.** use satellite phones/two way radios to promptly coordinate with the evacuation and rescue team.
- PC22.** maintain calm and be composed if a student/client is stuck while doing the activity and in case of emergencies.

Manage persons with disabilities

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

- PC23.** offer help to persons with disabilities when asked for.
- PC24.** accommodate persons with disabilities in the activities, as far as possible, without compromising safety.

Adhere to environmental conservation practices

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

- PC25.** adhere to “minimum impact” policies and not throw/burn non bio-degradable waste materials such as wrappers and plastic bottles into the valley, cliffs, trails or any of the activity areas.
- PC26.** ensure to not cause damage to the fragile habitats and environments (animal life, flora and fauna) found there.
- PC27.** ensure all waste is disposed appropriately into garbage bins.
- PC28.** educate female students/clients about the disposal procedure of their personal hygiene products.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the company SOP's on safety and service quality standards at all stages of the expedition/trek, emergency and rescue procedures and minimum impact travel and camping policies.
- KU2.** importance of respect for students/clients, colleagues and local communities.

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- KU3.** use and maintenance of mountaineering equipment - kernmantle ropes, harnesses, helmets, climbing shoes, snow boots, crampons, mittens, gaiters, carabiners, pulley, belay devices, slings, tape slings, pitons, ice axe.
- KU4.** setting up of SERENE/ERNEST anchor systems.
- KU5.** techniques of rock craft, ice craft, snow craft, use of ropes and knots to self-secure, self-arrest and prusiking techniques.
- KU6.** method of instructing in a safe/controlled environment.
- KU7.** prerequisites such as group's expertise and comfort level required for day to day route selection.
- KU8.** importance of maintaining log of equipment, incidents/injuries (if any) and assessment sheets of each student/client.
- KU9.** appropriate clothing and accessories required for a mountaineering expedition.
- KU10.** signs and symptoms of high-altitude sickness and provide on the spot first-aid, during emergencies.
- KU11.** local culture, traditions, history, religious and mythological beliefs followed in the mountains of the particular area.
- KU12.** basic photography/videography skills and use of satellite phones/ two way radios.
- KU13.** how to read and decipher maps.
- KU14.** local routes and shortcuts.
- KU15.** methods of instructing persons with disabilities and choice of appropriate activities for them without compromising safety.

Generic Skills (GS)

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

- GS1.** handle challenging situations calmly and patiently.
- GS2.** communicate effectively with colleagues and participants.
- GS3.** think quickly and take instant decisions.

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparation before executing the expedition</i>	8	8	-	-
PC1. ensure that the students/clients have signed the indemnity waivers.	2	2	-	-
PC2. coordinate with the other team members to ensure everything is in place – porters/ponies, vehicles, general camp equipment.	2	2	-	-
PC3. ensure that camp crew departs first with all the equipment and provisions to set up the first camp or the training camp as required.	2	2	-	-
PC4. coordinate with the trekking guide to ensure that there are adequate quantity of packed lunches, snacks and drinking water.	2	2	-	-
<i>Conduct the training and assist in the expedition</i>	25	36	-	-
PC5. assist and share responsibility with the trekking guide to guide the students/clients to the rock craft, ice craft and snow craft site (while hiking or in vehicles).	2	2	-	-
PC6. create a safe training environment by assessing crag or mountain to determine a safe, efficient and effective solution and conduct the training activity in a safe manner as per risk assessment protocols e.g., how to wear equipment, staying hydrated, etc.	2	2	-	-
PC7. ensure training level is based on technical difficulties anticipated for the expedition eg., use of ropes, self arresting, use of pitons and ice axe on an ice wall, walking on soft snow with snow boots, on hard snow with the help of crampons and choose climbing routes from easy to moderate to challenging.	1	4	-	-
PC8. ensure to use maps and stick to the route that was planned, unless there is some major hazard preventing you from doing so.	1	-	-	-
PC9. plan day by day route selection as per the group dynamics.	1	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. organize all the equipment on a flat surface over a tarpaulin and demonstrate how to wear and remove PPE (harness, helmet, mittens, climbing shoes, snow boots, crampons, gaiters).	1	3	-	-
PC11. conduct the training on different techniques for using mountaineering equipment.	2	4	-	-
PC12. train and assist students/clients on different pitches (short, long and multi-pitch), chimney climbing, lead climbing and while navigating through technical areas such as glaciers, loose rock areas and crevasses.	1	2	-	-
PC13. help the expedition leader choose climbing parties as per personal attributes of the students/clients.	2	2	-	-
PC14. assist climbers during the expedition and summit attempts and ensure they are accurately utilizing the training given to them so they can achieve their goals.	2	2	-	-
PC15. provide information about the local culture, traditions, history, religious and mythological beliefs followed in the mountains of the particular area.	2	2	-	-
PC16. maintain a daily log of equipment used, incidents or injuries (if any) and learning progress of each student/client.	1	1	-	-
PC17. assess the progress of the learners and exclude /include them in advanced training or expedition attempt accordingly.	1	1	-	-
PC18. take decisions to discontinue an activity due to any incident or changing weather conditions.	1	1	-	-
PC19. document photos and/or videos of the trip with their phone camera or with the company provided one such as GoPro/DSLR, ensuring not to take selfies.	2	2	-	-
PC20. provide on the spot first-aid during emergencies.	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC21. use satellite phones/two way radios to promptly coordinate with the evacuation and rescue team.	1	6	-	-
PC22. maintain calm and be composed if a student/client is stuck while doing the activity and in case of emergencies.	2	2	-	-
<i>Manage persons with disabilities</i>	1	4	-	-
PC23. offer help to persons with disabilities when asked for.	1	4	-	-
PC24. accommodate persons with disabilities in the activities, as far as possible, without compromising safety.	-	-	-	-
<i>Adhere to environmental conservation practices</i>	8	8	-	-
PC25. adhere to “minimum impact” policies and not throw/burn non bio-degradable waste materials such as wrappers and plastic bottles into the valley, cliffs, trails or any of the activity areas.	2	2	-	-
PC26. ensure to not cause damage to the fragile habitats and environments (animal life, flora and fauna) found there.	2	2	-	-
PC27. ensure all waste is disposed appropriately into garbage bins.	2	2	-	-
PC28. educate female students/clients about the disposal procedure of their personal hygiene products.	2	2	-	-
NOS Total	42	56	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	THC/N8606
NOS Name	Conduct the Activity/Expedition
Sector	Tourism & Hospitality
Sub-Sector	Adventure Tourism
Occupation	Mountain-Based Activities
NSQF Level	6
Credits	TBD
Version	1.0
Last Reviewed Date	20/01/2021
Next Review Date	29/07/2024
NSQC Clearance Date	29/07/2021

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THC/N8607: Complete Post Activity/Expedition Requirements

Description

This unit is about completing post mountaineering activities, including conducting closure and debrief.

Scope

The scope covers the following :

- equipment pack up and submission of trip report.

Elements and Performance Criteria

Equipment pack up and submission of trip report

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

- PC1.** ensure all the equipment used on the expedition is counted and packed.
- PC2.** maintain a record of the total duration the climbing ropes were used for, any loss or damage to the equipment and incidents (if any) in the logbook.
- PC3.** complete the grading for the students in the group on their overall mountaineering techniques and behavioral skills.
- PC4.** conduct a debrief session for the expedition with the team and participants.
- PC5.** create an expedition report with details such as – number of participants with their names and age, activity location of each craft, mountain villages and other landmarks on the trails taken, duration of the expedition, mountaineering techniques taught, challenges/hazards faced, incidents (if any), highlights and low points of the expedition, elevation gained, total distance covered, peaks climbed (if any), suggestions and any inputs for future trips etc.
- PC6.** complete all formalities with the organizer/Indian Mountaineering Foundation (IMF) e.g., settle accounts, hand over all equipment, reports, log books, etc.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** methods to check equipment before pack up.
- KU2.** the process of packing up equipment.
- KU3.** the company's documentation procedures including post trip equipment record logbook entries and final grading of participant assessment sheets.
- KU4.** importance of conducting expedition closure and debrief sessions.
- KU5.** the importance of completing formalities with organizer/Indian Mountaineering Foundation.

Generic Skills (GS)

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



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GS1. organize information and create reports.

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Equipment pack up and submission of trip report</i>	12	8	-	-
PC1. ensure all the equipment used on the expedition is counted and packed.	2	1	-	-
PC2. maintain a record of the total duration the climbing ropes were used for, any loss or damage to the equipment and incidents (if any) in the logbook.	2	1	-	-
PC3. complete the grading for the students in the group on their overall mountaineering techniques and behavioral skills.	2	1	-	-
PC4. conduct a debrief session for the expedition with the team and participants.	2	2	-	-
PC5. create an expedition report with details such as - number of participants with their names and age, activity location of each craft, mountain villages and other landmarks on the trails taken, duration of the expedition, mountaineering techniques taught, challenges/hazards faced, incidents (if any), highlights and low points of the expedition, elevation gained, total distance covered, peaks climbed (if any), suggestions and any inputs for future trips etc.	2	2	-	-
PC6. complete all formalities with the organizer/Indian Mountaineering Foundation (IMF) e.g., settle accounts, hand over all equipment, reports, log books, etc.	2	1	-	-
NOS Total	12	8	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	THC/N8607
NOS Name	Complete Post Activity/Expedition Requirements
Sector	Tourism & Hospitality
Sub-Sector	Adventure Tourism
Occupation	Mountain-Based Activities
NSQF Level	6
Credits	TBD
Version	1.0
Last Reviewed Date	20/01/2021
Next Review Date	29/07/2024
NSQC Clearance Date	29/07/2021

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THC/N8608: Assess and Mitigate Risks for Mountaineering

Description

This unit is about conducting risk/hazard evaluation and taking measures to mitigate them.

Scope

The scope covers the following :

- ensure to take all safety measures.
- respond to emergency situations and manage disasters.

Elements and Performance Criteria

Ensure that all safety measures are taken

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

- PC1.** ensure that all participants and crew are insured for evacuation and hospitalisation.
- PC2.** identify ailments, contact the appointed doctor and take appropriate action.
- PC3.** ensure that the entire crew is informed in case of any chronic ailments or allergies in the group.
- PC4.** perform a basic risk assessment of each activity area during rock, ice and snow craft before starting the activity.
- PC5.** ensure that only standardized and certified equipment is used (UIAA or CE certified).
- PC6.** ensure that the climbing ropes (static and dynamic) used for the activity are free of any type of damage such as cuts, rips or tears, thin bits, fat bits etc.
- PC7.** follow globally recognized anchor systems for rock climbing and abseiling e.g., SERENE/ERNEST.
- PC8.** instruct the students/clients to wait at a safe location away from any cliffs, under the rock face or ice wall, while wearing the safety gear and until all activity related instructions are given and their turn arrives.
- PC9.** instruct students/clients with long hair to tie up hair properly to fit below the helmet, tie up loose clothing and remove any jewellery while rock climbing and in all of the ropes course elements.
- PC10.** ensure to self- secure before starting the activity.
- PC11.** instruct on the communication protocols e.g., belayer ready?, I am climbing, climb on, etc.) and rescue signals to be followed in case of an emergency between instructor and participants during, between or after finishing the activity.
- PC12.** ensure to check the fitting of the PPE (Personal Protective Equipment) on the students/clients before commencing the activity.
- PC13.** instruct the students/clients to wear waterproof gloves and wind/waterproof jackets while ice climbing and have sunglasses on while traversing through glaciers to prevent frost bites and snow blindness respectively.
- PC14.** instruct the students/clients to remain hydrated under sun exposed areas and ensure that all staff and participants get enough rest and take meals properly.

Qualification Pack

- PC15.** ensure to carry a detailed evacuation/emergency plan, for each day of the expedition including contact numbers of emergency services.
- PC16.** ensure that evacuation routes are easily accessible.
- PC17.** oversee that there are enough first aid kits with adequate supplies for all participants, oxygen cylinder, HAPO bag, stretcher/spinal board before starting the expedition.
- PC18.** watch for signs and symptoms of high-altitude sickness, fatigue or other infections and take the required action promptly.
- PC19.** ensure that everyone in the team is aware of the emergency plan within one's purview.

Respond to emergency situations and manage disasters

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

- PC20.** respond promptly to emergency situations for eg. manage guest movement away from any emergency and provide first aid, CPR and oxygen whenever required.
- PC21.** choose camp site carefully to safeguard from avalanche, treefall, rockfall, flooding and lightning.
- PC22.** establish communication and organize air and land rescue in case of a disaster.
- PC23.** evacuate people from danger zone and provide shelter till rescue arrives, in case of any disaster/emergency.
- PC24.** organise for food, provisions and medicines and instruct the cook to improvise menu to ensure supplies are used judiciously during disaster situations.
- PC25.** deal with all eventualities in a calm and composed manner.
- PC26.** handle the media and family members of the injured person in a sensitive manner in case of a serious accident.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** organizational policies and procedures to enable safe response to an emergency situation.
- KU2.** contingency management techniques.
- KU3.** use of first aid kit, safety equipment such as oxygen cylinders, HAPO bag, rescue techniques and wilderness first aid methods.
- KU4.** the importance of conducting risk assessment of the activity area, all equipment used, anchor systems and informing the students/clients about climbing commands.
- KU5.** the importance of creating a detailed evacuation/emergency action plan and sharing it with the team.
- KU6.** signs and symptoms of high altitude sickness, any other ailments and how to handle them promptly.
- KU7.** importance of identifying evacuation routes.
- KU8.** how to identify emergency situations and respond to them.
- KU9.** communication norms for handling media and family members of an injured person in a sensitive manner.

Generic Skills (GS)



Qualification Pack

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

- GS1.** communicate effectively with the team, participants and media.
- GS2.** plan and organize risk assessment of different situations and activity areas.
- GS3.** take decisions to resolve issues during emergencies.

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Ensure that all safety measures are taken</i>	39	57	-	-
PC1. ensure that all participants and crew are insured for evacuation and hospitalisation.	2	2	-	-
PC2. identify ailments, contact the appointed doctor and take appropriate action.	2	2	-	-
PC3. ensure that the entire crew is informed in case of any chronic ailments or allergies in the group.	2	2	-	-
PC4. perform a basic risk assessment of each activity area during rock, ice and snow craft before starting the activity.	1	3	-	-
PC5. ensure that only standardized and certified equipment is used (UIAA or CE certified).	2	4	-	-
PC6. ensure that the climbing ropes (static and dynamic) used for the activity are free of any type of damage such as cuts, rips or tears, thin bits, fat bits etc.	2	4	-	-
PC7. follow globally recognized anchor systems for rock climbing and abseiling e.g., SERENE/ERNEST.	2	4	-	-
PC8. instruct the students/clients to wait at a safe location away from any cliffs, under the rock face or ice wall, while wearing the safety gear and until all activity related instructions are given and their turn arrives.	2	4	-	-
PC9. instruct students/clients with long hair to tie up hair properly to fit below the helmet, tie up loose clothing and remove any jewellery while rock climbing and in all of the ropes course elements.	2	2	-	-
PC10. ensure to self- secure before starting the activity.	2	4	-	-
PC11. instruct on the communication protocols e.g., belayer ready?, I am climbing, climb on, etc.) and rescue signals to be followed in case of an emergency between instructor and participants during, between or after finishing the activity.	2	4	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. ensure to check the fitting of the PPE (Personal Protective Equipment) on the students/clients before commencing the activity.	2	4	-	-
PC13. instruct the students/clients to wear waterproof gloves and wind/waterproof jackets while ice climbing and have sunglasses on while traversing through glaciers to prevent frost bites and snow blindness respectively.	2	4	-	-
PC14. instruct the students/clients to remain hydrated under sun exposed areas and ensure that all staff and participants get enough rest and take meals properly.	2	4	-	-
PC15. ensure to carry a detailed evacuation/emergency plan, for each day of the expedition including contact numbers of emergency services.	2	2	-	-
PC16. ensure that evacuation routes are easily accessible.	2	2	-	-
PC17. oversee that there are enough first aid kits with adequate supplies for all participants, oxygen cylinder, HAPO bag, stretcher/spinal board before starting the expedition.	2	4	-	-
PC18. watch for signs and symptoms of high-altitude sickness, fatigue or other infections and take the required action promptly.	2	2	-	-
PC19. ensure that everyone in the team is aware of the emergency plan within one's purview.	4	-	-	-
<i>Respond to emergency situations and manage disasters</i>	14	8	-	-
PC20. respond promptly to emergency situations for eg. manage guest movement away from any emergency and provide first aid, CPR and oxygen whenever required.	2	4	-	-
PC21. choose camp site carefully to safeguard from avalanche, treefall, rockfall, flooding and lightning.	2	4	-	-
PC22. establish communication and organize air and land rescue in case of a disaster.	2	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC23. evacuate people from danger zone and provide shelter till rescue arrives, in case of any disaster/emergency.	2	-	-	-
PC24. organise for food, provisions and medicines and instruct the cook to improvise menu to ensure supplies are used judiciously during disaster situations.	2	-	-	-
PC25. deal with all eventualities in a calm and composed manner.	2	-	-	-
PC26. handle the media and family members of the injured person in a sensitive manner in case of a serious accident.	2	-	-	-
NOS Total	53	65	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	THC/N8608
NOS Name	Assess and Mitigate Risks for Mountaineering
Sector	Tourism & Hospitality
Sub-Sector	Adventure Tourism
Occupation	Mountain-Based Activities
NSQF Level	6
Credits	TBD
Version	1.0
Last Reviewed Date	20/01/2021
Next Review Date	29/07/2024
NSQC Clearance Date	29/07/2021

Qualification Pack

THC/N9913: Communicate with Customers and Colleagues

Description

This OS unit is about communicating effectively with superiors, colleagues and customers while maintaining a customer-centric service orientation.

Scope

The scope covers the following :

- Interacting with superiors and colleagues
- Communicating effectively with guests

Elements and Performance Criteria

Interacting with superiors and colleagues

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

- PC1.** exhibit trust, support and respect to all colleagues and superiors
- PC2.** escalate unresolved problems or complaints to the relevant senior
- PC3.** respond positively to the feedback and seek assistance from colleagues/superiors when required
- PC4.** maintain etiquette with colleagues and superiors
- PC5.** identify potential and existing conflicts with the colleagues and resolve them

Communicating effectively with guests

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

- PC6.** brief guests clearly and in a polite, professional and friendly manner
- PC7.** build effective and impersonal relationship with the guests
- PC8.** use appropriate language and tone with guests
- PC9.** listen actively in a two-way communication
- PC10.** identify guest's expectations correctly and provide appropriate solutions
- PC11.** Identify reasons for guest's dissatisfaction and address their complaints effectively
- PC12.** maintain proper body language, dress code, gestures and etiquette while interacting with guests
- PC13.** ensure guests are not subjected to any negative questions and statements
- PC14.** inform the guests on any issues or problems before hand and also on the developments involving them
- PC15.** ensure minimum response time to guests for any messages/feedback
- PC16.** seek regular feedback from guests on current service, complaints, and improvements to be made, etc.
- PC17.** engage with guests without intruding on their privacy

Knowledge and Understanding (KU)

Qualification Pack

The individual on the job needs to know and understand:

- KU1.** company's policies on personnel management, effective teamwork at workplace
- KU2.** importance of customer centricity
- KU3.** methods for effective communication with various people
- KU4.** importance of effective listening, use of appropriate voice tone and pitch for communication
- KU5.** methods of engaging with the guests effectively and professionally

Generic Skills (GS)

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

- GS1.** engage with guests to set their expectations
- GS2.** handle concerns effectively

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Interacting with superiors and colleagues</i>	13	8	-	-
PC1. exhibit trust, support and respect to all colleagues and superiors	4	2	-	-
PC2. escalate unresolved problems or complaints to the relevant senior	1	1	-	-
PC3. respond positively to the feedback and seek assistance from colleagues/superiors when required	1	1	-	-
PC4. maintain etiquette with colleagues and superiors	3	3	-	-
PC5. identify potential and existing conflicts with the colleagues and resolve them	4	1	-	-
<i>Communicating effectively with guests</i>	21	31	-	-
PC6. brief guests clearly and in a polite, professional and friendly manner	2	4	-	-
PC7. build effective and impersonal relationship with the guests	1	1	-	-
PC8. use appropriate language and tone with guests	2	4	-	-
PC9. listen actively in a two-way communication	2	4	-	-
PC10. identify guest's expectations correctly and provide appropriate solutions	2	4	-	-
PC11. Identify reasons for guest's dissatisfaction and address their complaints effectively	2	4	-	-
PC12. maintain proper body language, dress code, gestures and etiquette while interacting with guests	2	4	-	-
PC13. ensure guests are not subjected to any negative questions and statements	2	1	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. inform the guests on any issues or problems before hand and also on the developments involving them	2	1	-	-
PC15. ensure minimum response time to guests for any messages/feedback	1	1	-	-
PC16. seek regular feedback from guests on current service, complaints, and improvements to be made, etc.	1	1	-	-
PC17. engage with guests without intruding on their privacy	2	2	-	-
NOS Total	34	39	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	THC/N9913
NOS Name	Communicate with Customers and Colleagues
Sector	Tourism & Hospitality
Sub-Sector	Tours and Travels
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

Qualification Pack

THC/N9915: Maintain Safe, Healthy and Hygienic Practices

Description

This OS unit is about following workplace safety standards and maintaining hygiene to have a hazard-free work environment and avoid downtime because of disruption from personal injuries, health issues and hazardous system failures.

Scope

The scope covers the following :

- Following standard safety procedures to avoid work hazards
- Ensuring cleanliness around workplace
- Following personal hygiene practices
- Taking precautionary health measures

Elements and Performance Criteria

Following standard safety procedures to avoid work hazards

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

- PC1.** assess the various hazards in the work areas and take necessary steps to eliminate or minimize them
- PC2.** follow organisational safety procedures
- PC3.** ensure guests have access to first aid kit when needed
- PC4.** implement correct emergency procedures
- PC5.** read the manufacturer's manual carefully before using any equipment
- PC6.** use health and safety practices for storing, cleaning, and maintaining tools, equipment, and supplies
- PC7.** practice ergonomic lifting, bending, or moving equipment and supplies
- PC8.** display safety signs at places where necessary
- PC9.** comply with the established safety procedures of the workplace
- PC10.** report to the supervisor on any problems and hazards identified
- PC11.** use physical safety equipment/personal protective equipment and clothing, wash hands etc.
- PC12.** use fire safety equipment such as fire extinguisher, fire blanket, fire hose, etc.
- PC13.** use first aid equipment such as Automated External Defibrillator (AED) at emergency meeting points
- PC14.** • follow hazard symbols such as general warning, health hazard, biohazard, harmful irritant, poison/toxic material, carcinogen hazard, explosive hazard, electrical hazard, hot surface, low temperature warning symbol
 - etc.

Ensuring cleanliness around workplace

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

- PC15.** keep the surroundings clean and clear of food waste or other litter

Qualification Pack

PC16. ensure that waste is disposed-off as per prescribed standards for waste disposal

PC17. maintain cleanliness records

PC18. ensure safe and clean handling of accommodation, public areas etc.

Following personal hygiene practices

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

PC19. clean hands on a regular basis using soap, sanitisers and other accepted industry and government norms to run adventure operations

PC20. clean cups, glasses or other cutlery before and after using them

PC21. maintain personal hygiene by taking daily bath, using clean clothing, footwear, head gear, trimming nails, etc.

PC22. maintain dental hygiene in terms of brushing teeth every day, avoiding smoke at workplace, etc.

Taking precautionary health measures

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

PC23. report personal health issues related to injury and infectious diseases

PC24. ensure not to go to work if unwell, to avoid the risk of spreading infection to other people

PC25. cover the mouth with elbow/handkerchief and/or turn away from people while sneezing or coughing

PC26. coordinate for the provision of adequate clean drinking water

PC27. ensure regular vaccinations to avoid transmission of diseases

PC28. undergo preventive health check-ups at regular intervals and take prompt treatment from the doctor in case of illness

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. company's policies on safety procedures at the workplace

KU2. methods to minimize accidental risks

KU3. standard operating procedure (SOP) for maintaining cleanliness

KU4. precautionary activities to be followed for workplace safety

KU5. emergency procedures to be followed in case of a mishap

KU6. health risks to the employees and customers

KU7. healthy work practices

KU8. safe disposal methods for waste

KU9. municipal or community rules for handling and disposing-of waste

KU10. symbols and use of physical safety equipment/ personal protective equipment such as gloves required, protective clothing, safety glasses, wash hands etc.

KU11. symbols and use of fire safety equipment such as fire extinguisher, fire blanket, fire hose, etc.

KU12. symbols and use of first aid equipment such as Automated External Defibrillator (AED) at emergency meeting points

Qualification Pack

- KU13.** • use of waste disposal equipment at workplace such as large bins, waste disposal stations, and
• others

- KU14.** eco-friendly practices

Generic Skills (GS)

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

- GS1.** fill up any documentation required to maintain health and hygiene
GS2. communicate effectively with colleagues and supervisor about work safety issues

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Following standard safety procedures to avoid work hazards</i>	10	2	-	-
PC1. assess the various hazards in the work areas and take necessary steps to eliminate or minimize them	6	1	-	-
PC2. follow organisational safety procedures	4	1	-	-
PC3. ensure guests have access to first aid kit when needed	-	-	-	-
PC4. implement correct emergency procedures	-	-	-	-
PC5. read the manufacturer's manual carefully before using any equipment	-	-	-	-
PC6. use health and safety practices for storing, cleaning, and maintaining tools, equipment, and supplies	-	-	-	-
PC7. practice ergonomic lifting, bending, or moving equipment and supplies	-	-	-	-
PC8. display safety signs at places where necessary	-	-	-	-
PC9. comply with the established safety procedures of the workplace	-	-	-	-
PC10. report to the supervisor on any problems and hazards identified	-	-	-	-
PC11. use physical safety equipment/personal protective equipment and clothing, wash hands etc.	-	-	-	-
PC12. use fire safety equipment such as fire extinguisher, fire blanket, fire hose, etc.	-	-	-	-
PC13. use first aid equipment such as Automated External Defibrillator (AED) at emergency meeting points	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. <ul style="list-style-type: none"> follow hazard symbols such as general warning, health hazard, biohazard, harmful irritant, poison/toxic material, carcinogen hazard, explosive hazard, electrical hazard, hot surface, low temperature warning symbol etc. 	-	-	-	-
<i>Ensuring cleanliness around workplace</i>	7	4	-	-
PC15. keep the surroundings clean and clear of food waste or other litter	1	1	-	-
PC16. ensure that waste is disposed-off as per prescribed standards for waste disposal	1	1	-	-
PC17. maintain cleanliness records	1	1	-	-
PC18. ensure safe and clean handling of accommodation, public areas etc.	4	1	-	-
<i>Following personal hygiene practices</i>	7	4	-	-
PC19. clean hands on a regular basis using soap, sanitisers and other accepted industry and government norms to run adventure operations	1	1	-	-
PC20. clean cups, glasses or other cutlery before and after using them	2	1	-	-
PC21. maintain personal hygiene by taking daily bath, using clean clothing, footwear, head gear, trimming nails, etc.	2	1	-	-
PC22. maintain dental hygiene in terms of brushing teeth every day, avoiding smoke at workplace, etc.	2	1	-	-
<i>Taking precautionary health measures</i>	8	6	-	-
PC23. report personal health issues related to injury and infectious diseases	2	1	-	-
PC24. ensure not to go to work if unwell, to avoid the risk of spreading infection to other people	1	1	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC25. cover the mouth with elbow/handkerchief and/or turn away from people while sneezing or coughing	1	1	-	-
PC26. coordinate for the provision of adequate clean drinking water	1	1	-	-
PC27. ensure regular vaccinations to avoid transmission of diseases	1	1	-	-
PC28. undergo preventive health check-ups at regular intervals and take prompt treatment from the doctor in case of illness	2	1	-	-
NOS Total	32	16	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	THC/N9915
NOS Name	Maintain Safe, Healthy and Hygienic Practices
Sector	Tourism & Hospitality
Sub-Sector	Tours and Travels
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

Qualification Pack

THC/N9914: Follow Gender and Age Sensitive Practices

Description

This OS unit is about following gender and age sensitivity practices by treating all genders, children and senior citizens appropriately and offering them service as per their unique requirements.

Scope

The scope covers the following :

- Providing different age and gender specific customer service

Elements and Performance Criteria

Providing different age and gender specific customer service

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

- PC1.** provide appropriate service keeping in mind their unique needs and diverse cultural backgrounds
- PC2.** make arrangement to cater for varied age group
- PC3.** conduct activities so as to involve guests across all age groups and genders

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** company's policies on gender sensitive practices at workplace
- KU2.** safety measures and procedures available for female colleagues and customers
- KU3.** how to brief female customers and colleagues on available facilities so that they feel safe and secure
- KU4.** how to be vigilant for breach of safety at smallest level
- KU5.** the unique needs and wants of each category of customer, e.g., for an infant, for a young woman, for an old person, for others

Generic Skills (GS)

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

- GS1.** communicate effectively with different age groups.
- GS2.** analyse the needs of different genders and age groups

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Providing different age and gender specific customer service</i>	7	3	-	-
PC1. provide appropriate service keeping in mind their unique needs and diverse cultural backgrounds	4	1	-	-
PC2. make arrangement to cater for varied age group	1	1	-	-
PC3. conduct activities so as to involve guests across all age groups and genders	2	1	-	-
NOS Total	7	3	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	THC/N9914
NOS Name	Follow Gender and Age Sensitive Practices
Sector	Tourism & Hospitality
Sub-Sector	Tours and Travels
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

Qualification Pack

THC/N9916: Follow and Maintain Green Practices

Description

This unit is about adopting sustainable practices and optimizing use of resources, especially energy and waste, in day-to-day operations at work.

Scope

The scope covers the following :

- Following material conservation practices
- Ensuring effective waste management/recycling practices
- Ensuring use of eco-friendly practices

Elements and Performance Criteria

Following material conservation practices

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

- PC1.** identify ways to optimize usage of material including water in various tasks/activities
- PC2.** check for spills/leakages, plug them and escalate to appropriate authority if unable to rectify
- PC3.** ensure electrical equipment and appliances are switched off when not in use

Ensuring effective waste management/recycling practices

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

- PC4.** identify recyclable and non-recyclable, and hazardous waste generated
- PC5.** dispose non-recyclable waste appropriately
- PC6.** follow processes specified for disposal of hazardous waste
- PC7.** ensure reuse and recycling of waste wherever applicable

Ensuring use of eco-friendly practices

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

- PC8.** identify materials which can be replaced by environment friendly substitutes
- PC9.** follow SOPs to conserve and re-use water

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** organization's procedures for minimizing waste
- KU2.** common sources of pollution and ways to minimize it
- KU3.** methods of optimum utilization of waste and best practices for waste disposal
- KU4.** categorization of waste into dry, wet, recyclable, non-recyclable and items of single-use plastics

Generic Skills (GS)



Qualification Pack

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

- GS1.** decide on appropriate waste disposal methods
- GS2.** analyse and select best suited environment friendly practices

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Following material conservation practices</i>	7	4	-	-
PC1. identify ways to optimize usage of material including water in various tasks/activities	4	1	-	-
PC2. check for spills/leakages, plug them and escalate to appropriate authority if unable to rectify	2	2	-	-
PC3. ensure electrical equipment and appliances are switched off when not in use	1	1	-	-
<i>Ensuring effective waste management/recycling practices</i>	13	5	-	-
PC4. identify recyclable and non-recyclable, and hazardous waste generated	4	1	-	-
PC5. dispose non-recyclable waste appropriately	4	2	-	-
PC6. follow processes specified for disposal of hazardous waste	1	1	-	-
PC7. ensure reuse and recycling of waste wherever applicable	4	1	-	-
<i>Ensuring use of eco-friendly practices</i>	8	2	-	-
PC8. identify materials which can be replaced by environment friendly substitutes	4	1	-	-
PC9. follow SOPs to conserve and re-use water	4	1	-	-
NOS Total	28	11	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	THC/N9916
NOS Name	Follow and Maintain Green Practices
Sector	Tourism & Hospitality
Sub-Sector	Tours and Travels
Occupation	Generic
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	24/02/2022
Next Review Date	24/02/2025
NSQ 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.

Qualification Pack

Minimum Aggregate Passing % at QP Level : 60

(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
THC/N8605.Prepare for Instructor activity	38	38	-	-	76	15
THC/N8606.Conduct the Activity/Expedition	42	56	-	-	98	25
THC/N8607.Complete Post Mountaineering Instructor Requirements	12	8	-	-	20	10
THC/N8608.Assess and Mitigate Risks for Mountaineering	53	65	-	-	118	10
THC/N9913.Communicate with Customers and Colleagues	34	39	-	-	73	10
THC/N9915.Maintain Safe, Healthy and Hygienic Practices	32	16	-	-	48	10
THC/N9914.Follow Gender and Age Sensitive Practices	7	3	-	-	10	10
THC/N9916.Follow and Maintain Green Practices	28	11	-	-	39	10
Total	246	236	-	-	482	100

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
NOS	National Occupational Standards
Qualifications Pack	Qualifications Pack comprises the set of NOS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
NOS	National Occupation Standards
NSQF	National Skills Qualifications Framework
QP	Qualification Pack
NOS	National Occupation Standards
NSQF	National Skills Qualifications Framework
NSQF	National Skills Qualifications Framework
QP	Qualification Pack
OS	Occupational Standards
NOS	National Occupational Standards

Qualification Pack

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.

Qualification Pack

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.
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 (GS)	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.
Electives	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.
Options	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.
NOS	NOS are Occupational Standards which apply uniquely in the Indian context
Core Skills or Generic Skills	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 NOS, these include communication related skills that are applicable to most job roles.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Knowledge and Understanding	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.
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Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
Qualifications Pack	Qualifications Pack comprises the set of NOS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.