

Cumulative Impact Assessment Mentor (Air quality and ferro alloy production)

Bhutan

This assignment has been negotiated in good faith with the Partner Organisation, and the information contained was correct at the time of acceptance of the request. However, while we take responsibility for matters under our direct control, all assignments and arrangements are subject to change. This assignment may be amended or withdrawn to reflect changes in circumstances.

ASSIGNMENT DETAILS

Assignment title	Cumulative Impact Assessment Mentor (Air quality and ferro alloy production)		
Partner Organisation	Environment Assessment and Compliance Division; Department of Environment and Climate Change, Ministry of Energy and Natural Resources,		
Location	Thimphu		
Website of Partner Organisation	https://www.moenr.gov.bt/		
Total Duration of assignment	12 months	Start date	26th October, 2026
Type of assignment	In-person	Australian Organisation	N/A
Assignment Phases (For Hybrid Assignments Only)	<i>Phase 1</i>	<i>Volunteer Mode</i>	<i>Duration</i>
	In-country	12 months	<i>Time Commitment</i>
			Full-time (In-Country)

PARTNER ORGANISATION OVERVIEW

The Department of Environment and Climate Change (DECC) is one of the five departments under the Ministry of Energy and Natural Resources (MOENR) of the Kingdom of Bhutan. The department serves as the Secretariat to the National Environment Commission (NEC), which is the highest decision making and coordinating body on all matters relating to the protection, conservation and improvement of natural environment in the country.

Following are the three modular divisions of the department:

- a) Climate Change Division;
- b) Waste Management Division; and
- c) Environment Assessment and Compliance Division.

Following are few of the many important mandates of the department: to mainstream environment into the country's developmental policies, plan and programs; to formulate, review, and revise environment related Laws/Acts and monitor the enforcement of the same; to monitoring the air, water, and soil quality; coordinate and to facilitate the implementation of bilateral and multilateral agreements, conventions, treaties or declarations, etc.

Australian Volunteers Program

ASSIGNMENT DETAILS

Assignment overview

The Australian volunteer would play an important role due to the requirement of specific technical expertise in the field of air quality and ferro alloy industries, while also taking into account knowledge transfer, and the international perspective on best practices that will contribute to a more sustainable and innovative approach to managing and monitoring air quality in Bhutan. The current lack of expertise and established air quality management regime in the country highlights the importance of this program for improvement.

Additionally, due to capacity gaps and lack of readily available expertise in air quality monitoring, a volunteer with experience in air quality with a deep understanding and experience in areas of both ambient and point-source air monitoring, data analysis, and development/management of online air quality monitoring system for tracking emission trend would be invaluable. An Australian volunteer, being exposed to know-how related to best practices, advanced systems and methodologies with better air quality monitoring set-ups, would contribute greatly in addressing the capacity gap within the Department.

Likewise, the ferro alloy sector is also an impertinent and highly specialized field requiring knowledge of advanced energy efficiency methods and low emission/emission control technologies that are not locally available. Experienced Australian volunteers with a background in ferro alloys industries would enable industries in Bhutan to adopt environmentally friendly production technologies and practices. One of the activities approved under the 13th Five Year Plan is to "Develop the Environmental Code of Practice to Promote Clean Technologies in the Ferro Alloys Sector". An Australian volunteer would be instrumental for the Department to gain momentum in formulating a robust and comprehensive code of practice. This will ultimately contribute to our national goal of achieving cumulative emission reduction by 12507.36 Gg CO₂e by 2030.

Similarly, the volunteer's experience in updating/revising the existing Environmental Code of Practice (ECOPs) for various other sectors would be an added advantage given Australia's knowledge on the latest best available technologies and innovative practices for emerging environmental issues.

Assignment objectives

Strengthen air quality monitoring and data management capacity in the Department in alignment with the department's SDG goal 5 (gender equity and inclusivity).

Improve the ferro alloy production processes to ensure sustainable and clean industrial practices through the formulation and implementation of a code of practice for clean technologies in the ferro industries.

Build capacity of the young environment officers on environmental impact assessment (EIA)/strategic environmental assessment (SEA) to enhance their competency in assessment and decision making.

To include all people directly affected by the volunteer assignment in the Partner Organisation and community, using strategies that promote: gender equality; inclusion of youth; inclusion of people with a disability; child protection and safeguarding; inclusion of marginalised groups.

Duties and responsibilities of the volunteer

Assist in assessing and improving the existing air quality monitoring infrastructure for both point-source and ambient air quality in the country

Provide technical inputs/support for the design and integration of air quality data from existing and/or newly proposed monitoring stations into a centralized air quality data platform to ensure real-time monitoring.

Train staffs from the Department and relevant stakeholders on the best practices for air quality data management, analysis, and reporting with a specific focus on gender equity and inclusivity

Review and assess the production processes and technologies currently used and/or proposed in the ferro alloy industries, focusing on furnace efficiency, energy consumption, and emission control. Provide technical support for the optimization in the production of ferro alloys and in the formulation of code of practice to promote clean technologies.
Train the environment officers of the Department and Districts on environmental impact assessments (EIA)/strategic environmental assessment (SEA) to provide a fresh and broadened perspective on the local environmental and social challenges. This will help to equip the environment officers to understand the interdisciplinary nature of environmental impact, involving ecology, economics, social science, and policy, leading to a newer and higher level of environmental governance.

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Selection criteria
Master's degree in Environmental Science, Environmental Management, Environmental Engineering, Industrial Engineering, or a related field with a focus/specialization in air quality management, emissions control, industrial sustainability, environmental impact
Demonstrated experience in managing and analysing air quality data (both ambient and point source), including the use of monitoring equipment and software tools for real-time
Demonstrated technical experience in the ferro alloys or similar heavy polluting industry, with an emphasis on production optimization, energy efficiency, emissions control, and sustainable industrial practices. Additionally, demonstrated experience in
Demonstrated experience in reviewing or conducting environmental impact assessment (EIA)/strategic environmental assessment (SEA) studies for projects such as hydropower, mines, road, transmission line or any other related major projects.
Strong interpersonal skills and demonstrated experience in delivering training workshops and capacity building programs for diverse audiences

Desirable skills, language and experience
Excellent interpersonal and communication skills with fluency in written and spoken English.
Preferably 5 years of professional experience in air quality management or related fields and demonstrate involvement in policy making or implementation in
Have the ability to work in a cross-cultural environment, have good problem-solving skill/innovation, have the ability to adapt to a dynamic work environment and be

Line Manager	Mr. Dorji Wangdi, Chief of the Environment Assessment and Compliance Division (EACD)
Staff Supervision	No
Working relationships	<i>Nima Wangmo, Senior Environment Officer, will be the main focal person but volunteer will work with Mr. Bhagat Pokhrel Chettri and Mr. Singye Wangchuk, Assistant Environment Officers under the Environment Assessment and Compliance Division,</i>
Hours and days of work	Monday to Friday, 9:00am-5:00pm except on public government holidays
Leave	All volunteers are entitled to 1 week of leave for every 3 months worked. They are entitled to public holidays the same as local colleagues.
Professional indemnity insurance	No - This assignment is not deemed to require professional indemnity insurance
(Required for all volunteers who are acting as a medical, allied health or legal professional whilst on assignment.)	The volunteer should consult the partner organisation about the need for professional indemnity insurance for the role prior to departure. Where required and/or considered essential to hold this insurance, please discuss this with the Volunteer Services Manager in Melbourne prior to departure.

LIVING AS A VOLUNTEER

The Australian Volunteers Program supports volunteers from preparing to go on assignment through to returning home. For a full breakdown of support provided, please visit: <https://www.australianvolunteers.com/volunteering/lifestyle-and-support/>

Living allowance	AUD 749 The allowance levels are based on the cost of living in the host country location and are listed in \$AUD. Allowances will be reviewed periodically and may increase or decrease.
Accommodation allowance	AUD 660
Language support	Language support is provided during the in-country orientation period. Most often, additional resources for further development later in the assignment will be available if required.
Country profile	Learn more about the host country location by reading the country profile. We encourage candidates to research the specific location of this assignment as it will be discussed and addressed with a recruitment officer during the interview process. https://www.australianvolunteers.com/countries/bhutan

Australian Volunteers Program

Political or faith-based activities	The Australian Volunteers Program supports partner organisations to achieve their development objectives. It does not engage in or support any evangelical activities and is not linked to any political party. We partner with local faith-based organisations on the basis that the volunteer placement does not engage in evangelising; and participation in activities run by the volunteer is not conditional on conversion or adherence to a particular religious denomination. We also partner with advocacy organisations on the basis that volunteer activities are not in support of a political party or candidate.
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HOW TO APPLY

All applications must be submitted online through the Australian Volunteers Program website. If you have not already done so, you will need to register on our website prior to applying. For more information about how to apply, please visit:

<https://www.australianvolunteers.com/volunteering/how-it-works>

We actively support and encourage people of all backgrounds and abilities to volunteer internationally, and aim to make the program as accessible and inclusive as possible. The program has a dedicated Indigenous Programs Coordinator to support Aboriginal and/or Torres Strait Islander volunteers, who can be contacted at indigenouspathways@australianvolunteers.com. Access and inclusion plans are available for volunteers with disabilities, to ensure their assignments and living and working arrangements are made more

Personal circumstances

Due to security, cultural, legal or visa restrictions associated with this location, we ask that applicants disclose:

- If they want their same-sex partner to accompany them on assignment.
- If they want their partner, to whom they are not legally married, to accompany them on assignment.
- If they want their child(ren) to accompany them on assignment.
- If they have a criminal conviction where a criminal conviction may be relevant to the inherent requirements of the assignment.

