

Air University

Sustainability and Climate action Policy

General

1. Pakistan has faced numerous catastrophic floods, droughts, and earthquakes in recent few years resulting in huge loss of life, displaced thousands of people, destroyed livelihoods, and damaged infrastructure. Climate change indicators are now very obvious and expected to be magnified in intensity and frequency in the coming years. Air University has raised this prospect at appropriate level that these natural hazards will increase in frequency and severity in the coming decades and Pakistan is one of the most vulnerable country to the effects of climate change.

Purpose

2. The purpose is to give directions to the policymakers, project developers, and town development professionals whose work may be extended due climate change in Pakistan. The Asian Development Bank intends to play a key role in supporting the climate resilience to its member countries, and needs attention to attract the world towards Pakistan upcoming challenges.

Short Term Measures

3. Natural calamities are very difficult to respond, eventually they will have their disastrous effects on life and will fade away, however to reduce the losses few short term measures have been suggested by the Air University to protect education sector from climate change.

- a. All present and future building designs have been modified from conventional to earthquake proof with better rain water drainage systems.
- b. Rain water absorption and drainage system are being elongated to absorb more water and drain it to the main water streams to avoid flooding inside the university.
- c. Rain water storage tanks are also being planned to store a reasonable amount of water for horticulture which will be used during dry spells of weather to keep areas green to reduce the heat effects of climate change.
- d. Modern and weather proof shelters are planned for parking of vehicles to reduce the damage due to extreme temperatures and effects of hail storms, heavy rains and earthquakes.
- e. Multistoried buildings are planned distance apart to avoid damage to building due to falling of other buildings in the near vicinity.
- f. Elaborate firefighting resources are made available with proper coordination and integration practices.

Long Term Measures

4. Long term measures are linked with the National Policy of the Pakistani Government, however, salient features are as under:-
 - a. All roads and infrastructures will be evaluated for climatic changes in the next 2 decades and will be designed accordingly.
 - b. Construction along river, water channels will not be allowed.
 - c. Multistoried building will have well developed drainage system with dedicated exit routes for escape in least possible time.
 - d. Upgradation of Pakistan Metrological Department with state of the art weather radars Richter scales and real time weather updates through satellites connectivity.
 - e. Development of NDMA with improved communication and information centers in case of actual calamity.
 - f. Emergency Relief Cell of Cabinet Division Government of Pakistan will have hotlines system of communication connected globally to apprise the world about the extent of damage to lure inn timely support in terms of tentage, food and monitory assistance.
 - g. NDMA will initiate official reports of damage worldwide to keep the world informed.

Our Strategy

- a) **Commitment to Sustainability:** Promoting sustainable practises and minimising its environmental impact are priorities for Air University. This entails applying sustainability concepts to all facets of the institution's operations, academic programmes, and decision-making procedures.
- b) **Greenhouse Gas Emissions Reduction:** The institution wants to cut the amount of greenhouse gases it produces through its activities and operations. This entails putting in place energy-efficient technology, relying on renewable energy sources, and promoting energy-saving practises across the university.
- c) **Waste Management and Recycling:** The emphasis on ethical waste management methods at Air University supports recycling initiatives. The university shall support waste reduction programmes among students, professors, and staff and provide suitable recycling facilities.
- d) **Water Conservation:** Through the adoption of water-saving fixtures, wise irrigation techniques, and educational programmes to promote water conservation among campus residents, the university aims to reduce water usage.

- e) **Sustainable Transportation:** For its students, employees, and visitors, Air University encourages environmentally friendly mobility options. Offering bike racks, promoting public transportation, and encouraging the use of electric or hybrid vehicles are a few examples of how to do this.
- f) **Sustainable Procurement:** The institution pledges to give preference to sustainable and environmentally friendly goods and services in its procurement procedures. This involves taking into account how purchased goods and services will affect the environment.
- g) **Education and Awareness:** The community at Air University is to be informed about sustainability and climate action. This entails incorporating sustainability-related lessons into the curriculum as well as planning environmental-related workshops, seminars, and campaigns.
- h) **Partnerships and Collaboration:** The university will actively look for collaborations with outside NGOs, research centres, and organisations focused on sustainability and climate action. The difficulties of the global environment will be addressed through cooperative efforts.
- i) **Monitoring and Reporting:** Systems for tracking and evaluating Air University's progress towards sustainability objectives will be put in place. The campus community and pertinent stakeholders will regularly receive reports on sustainability activities and results..

Conclusion

5. Climate change needs very elaborate and methodical attention at the National level and better awareness to the students to deal with this menace in the times to come. The university's sustainability/climate action policy will be reviewed and updated on a regular basis depending on new technologies, industry best practices, and increasing environmental concerns.

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