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OFFICE ORDER

Subject: Policy on Environment and Sustainable Development (PESD) of K.R. Mangalam University.

The Policy on Environment and Sustainable Development (PESD) of K.R. Mangalam University is notified for information and implementation from the academic session 2018-19 as approved in the 27th BOM meeting held on 13th August 2018 (as annexed).

Shahjahan

Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Encl:

- As above

Copy to:

- Vice Chancellor : For kind information
- Pro Vice Chancellor : For kind information
- Dean (Academics Affairs)
- Dean Research
- All Deans/ School Coordinators
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K. R. MANGALAM UNIVERSITY

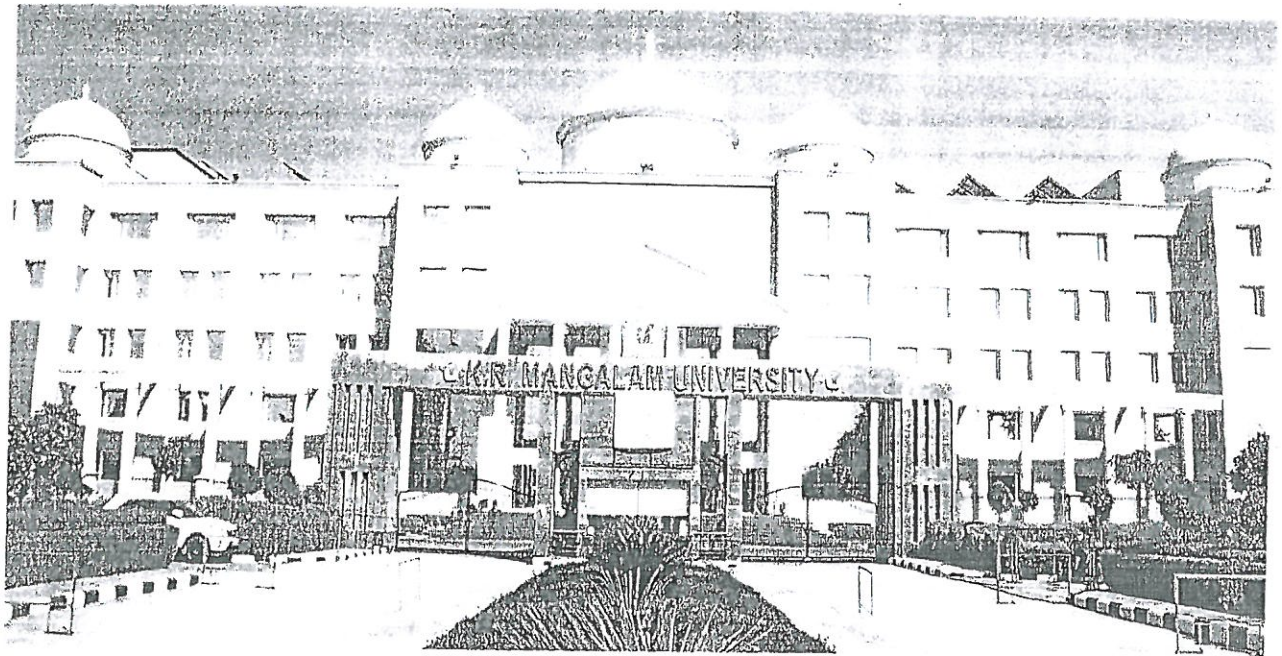
THE COMPLETE WORLD OF EDUCATION



K.R. MANGALAM UNIVERSITY

K.R. MANGALAM UNIVERSITY

Policy on Environment and Sustainable Development (PESD)



K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram (Haryana)-122103



Policy on Environment and Sustainable Development (PESD)

India's is committed to provide clean environment for its people and making positive contribution to international efforts as mandated in Articles 48A and 51A (g) of the Indian Constitution. Conservation of environmental resources is necessary to secure livelihoods and well-being of all, the most secure basis for conservation is to ensure that people dependent on particular resources obtain better livelihoods by conservation of resource than from its degradation. The National Educational Policy also recognizes that maintaining a healthy environment is not the state's responsibility alone, but also that of every citizen and thus encourages individual as well as institutional participation for maintaining and enhancing the quality of the environment.

In conformity with the India's National Environment Policy, and sustainable goals given by United Nations, K.R. Mangalam University expresses its commitment to be a positive and creative catalyst in the protection and enhancement of the local and global environment and sustainable development through teaching, research, community services, administrative and support operations. The university is committed to foster a culture of environmental responsibility, both within and outside the university. Thus, KRMU-PESD is hereby crafted to ensure that the protection and improvement of the environment remains the guiding principle for all our activities within and across the university.

The university believes that it has a special responsibility to exercise environmental leadership. The green campus of the university encompassing extensive natural areas and farm land has added to its credentials in this area. Being a reflection of the larger community in which they exist, the universities too have to deal with the dilemma posed by the struggle between a fast paced development to meet the rapid growth in population and the imperative of sustainable development. The university can help by generating useful resources and repositories of knowledge in the field of sustainable development and also by being the purveyors of technical and societal solutions to a vast array of issues relating to environmental protection and sustainable development.



1. Purpose

The policy statement outlines how the university shall pursue best practices in the realm of environment and encourage the sustainable use of community resources. It sets out the objectives, priority areas and procedures for implementation, management and evaluation of the environment plan for the university.

2. Objectives

In pursuing its environment policy, K.R. Mangalam University shall:

- a) ascertain that the environment will not suffer as a result of various activities undertaken by the university. This entails minimization of negative impacts on the environment, conservation and judicious use of natural resources, respect for biodiversity and rehabilitation of degraded environmental components.
- b) provide safe and healthy environment for staff and students.
- c) promote environmental awareness and sensitivity among the university and local community by sensitizing how their actions can affect the environment.
- d) develop environmental auditing and monitoring procedures effective for a university setting.
- e) ensure and encourage greater commitment to multidisciplinary researches in environmental issues at local, national and global levels.

3. Priority areas

3.1 Energy

The university is determined to implement energy sustainability measures to significantly reduce the consumption of non-renewable energy through energy efficient projects and energy saving activities which will have positive effect on the environment such as:

- a) Keep vigil at university's electricity consumption and minimize it.
- b) Implement the best available energy technology for new buildings as well as in existing structures (wherever possible) to reduce wastage of energy.
- c) Promote electricity efficiency practices and reduction of the university's carbon footprint to all stakeholders.



- d) Consider the use of renewable sources of production of electricity and supply extra electricity to the grid wherever possible.
- e) Conduct energy audits and monitoring of energy use at the campus.
- f) Create awareness among students, faculty members and all relevant stakeholders to efficiently use the energy (electricity) on campus.
- g) adopt sensor-based technology to minimize loss of energy like sensor based doors and LED lights etc.

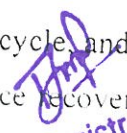
3.2 Water

The university shall conserve water and minimize its use through efficient management practices. It shall endeavor to use the minimum quantities of water possible in accordance with its activities and shall ensure that the water it uses is both supplied and disposed of, in the purest condition possible, meeting the statutory requirements. An on-going programme of water conservation would be instituted to monitor the consumption, reduce the leakage and eliminate the excessive or unnecessary use. The university shall promote efficient water use techniques, such as sprinkler or drip irrigation, in its agricultural farm and gardening practices. It shall try to establish grey water treatment system. It shall support practices of rain water harvesting, artificial recharge and revival of traditional methods for enhancing groundwater recharge. It shall employ sensor based sanitary ware in washrooms.

3.3 Waste Management

The waste management policy of the university shall aim to reduce the generation of wastes in all ways possible by adopting the principles of 3R's i.e. reduce, reuse and recycle. This will be done by reducing the acquisition of new materials, and by re-using and recycling the existing materials and, if this is impractical, by disposal in such a way that will have least impact on the environment and which conforms to the statutory requirements.

It shall try to reduce usage of paper by adopting the practice of online communication. It shall attempt to minimize the quantities of polluting effluent and emissions to air, land and water, and noise, odor and electromagnetic radiation. The university shall also minimize the use of hazardous chemicals and toxic sanitary substances. It shall segregate, recycle, and reuse its solid wastes and shall develop a waste-food composting and bio-mass resource recovery programme.


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It shall sign Memorandum of understanding with companies dealing with e waste and bio-waste where these materials will be sent for disposal.

3.4 Buildings

The university acknowledges the importance of environmentally responsible practices in developing the physical characteristics of the university. The university shall consider environmental implications in the development, construction, and operation of campus infrastructure, grounds, and buildings. The university shall develop and so maintain its buildings and estate to conserve resources and minimize its negative impact on the environment. It shall ensure that the potential environmental impacts of all its building and/or estate projects will be assessed and minimized. This will include, where possible, the use of building materials from sustainable sources, methods of construction which make best use of resources and designs which result in low maintenance and high energy efficiency. It will try to incorporate greenery in the campus where ever possible.

3.5 Transport

The university shall palliate the harmful effects of its traffic on the environment. When travelling to and from the university and between its campuses and outside on university business, all staff and students will be encouraged to walk, use bicycles, public transport and will be discouraged from the single occupancy use of private vehicles. University buses and other vehicles will be operated on clean fuels such as electricity, CNG, Petrol etc. to minimize their impact on the environment.

3.6 Sustainable Resource Acquisition

The university recognizes that one of the primary methods of exercising its commitment to environmental responsibility is through its resource acquisition choices. The university shall strive to obtain maximum value for its expenditures and shall work towards obtaining the "best value" by balancing short and long-term costs, maintenance, life cycle, and environmental costs in purchasing goods and services. EMIs will be signed so as maintain equipment in good conditions.



5.7 Environmental Audit and Natural Resource Accounting

The University is committed to the environmental audit needs and will try to impart training which will be beneficial to both staff and students. For this, the university will look forward for opportunity in tying up with Audit Organizations and would also be aware of the future developments taking place in the global scenario. Natural Resource Accounting is an entirely new area in which university shall embark upon and explore different horizons. Environmental auditing, energy audit and green audit will be done regularly.

3.7 Environmental Education, Training and Awareness

The United Nations Sustainable Development Goals takes in to consideration the sustainable cities, clean water and affordable energy. In order to achieve these goals, KRMU shall promote the awareness of environment and sustainable development issues amongst its staff and students. For this, the university shall provide staff with training in environment and sustainable development matters, encourage the inclusion of environment and sustainable development content within academic curricula, and sponsor campaigns to raise the awareness of environmental issues among staff and students. The university shall also promote environment sensitization in the communities at local and regional levels and assist, network and jointly sponsor environment initiatives in association with Government/Local and NGOs.

3.8 Publication and Dissemination

The university shall build partnerships with the local community and national organizations to promote its environmental objectives and communicate and disseminate its environmental performance and activities with the outside community through publications and media. The university shall publish and review the KRMU Policy on Environment and Sustainable Development periodically and the university's environmental management procedures incessantly.



4. Implementation of the Policy

To implement this Policy on Environment and Sustainable Development:

1. The university shall establish an Environment Compliance Committee consisting of the academic and administrative staff, and students.
2. Budgetary provisions will be made by the university to facilitate smooth implementation of the KRMU-PESD

The role of the Environment Compliance Committee shall be to:

- (i) Develop and recommend programmes to meet the objectives set for each of the priority areas listed above.
- (ii) Establish action groups to develop performance indicators to monitor progress in each of the priority areas. Experts in each of the areas from both within and outside the university shall be consulted wherever desired.
- (iii) Oversee implementation of the KRMU-PESD in the University.
- (iv) Periodical review of university policies and procedures to ensure consistency with the KRMU-PESD.
- (v) Execute appropriate environmental audits and pilot projects.
- (vi) Undertake education and training programmes to inform the university community about this policy and how its members can meet the objectives set forth in it.
- (vii) Seek funding for environmental initiatives.
- (viii) Issue a report semester-wise that includes sections on each of the priority areas, presenting a summary of monitoring information, summarizing initiatives undertaken and identifying matters that require particular attention.
- (ix) Formulate a website for the open access of information related to programmes and their progress to the public.
- (x) Environmental Compliance Committee shall consider the suggestions received from campus residents regarding environmental protection and will take decision for complaints submitted with regard to environmental violations and shall take necessary follow up action in the matter.

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