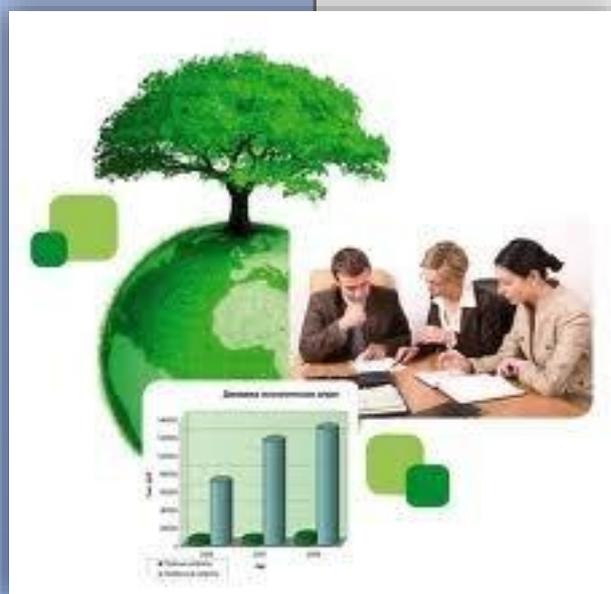


# KOHINOOR BUSINESS SCHOOL



## GREEN AUDIT REPORT

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## **ACKNOWLEDGEMENT**

The green audit conducted by the KOHINOOR BUSINESS SCHOOL is an internal audit that aims towards looking after a healthy environment. Though nascent, the initiative is taken up to foster the concept of environmental sustainability. Sincere thanks to all for providing us necessary amenities and co-operation during the audit that helped in making the audit, a success.

## **EXECUTIVE SUMMARY**

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology included: preparation and filling up of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. It works on the several facets of 'Green Campus' including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity. With this background, the specific objectives of the audit were to evaluate the adequacy of the management control framework of environment sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards. It can make a tremendous impact on student health and learning Institute operational costs and the environment. The criteria, methods and recommendations used in the audit were based on the identified risks.



## **1. INTRODUCTION**

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyse environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. Green audit can be a useful tool for a Institute to determine how and where they are using the most energy or water or resources; the Institute can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-enquiry is a natural and necessary outgrowth of a quality educational institution. Thus, it is imperative that the Institute evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

## **2. OVERVIEW OF INSTITUTE**

KOHINOOR BUSINESS SCHOOL WHICH SPREAD OVER 18381.45 Sq. m. the Institute is situated at Mumbai, Kurla West. The Institute came into existence by Mumbai university, stablish year of the Institute is 2010. The Kohinoor Business School situated at its integrated campus in Kohinoor City vidyavihar Kurla.



## **INSTITUTE LOCATION – RAINWATER DOWNTAKE PIPING**





### 3. OBJECTIVE OF THE STUDY

The main objectives of the green audit are to promote the environment management and conservation in the Institute campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of environment sustainability in compliance with the applicable regulations, policies and standards.

Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The „Green Audit“ aims to analyse environmental practices within the Institute campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Later on, it is implemented as a measure to enhance a healthy environment to almost all the organizations. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit. Green audit is assigned to the criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India which declares the institutions as Grade A, B or C according to the scores assigned during the accreditation.

The main objectives of carrying out green audit are

To introduce and make aware students to real concern of environment and its sustainability.

To secure the environment and cut down the threats posed to human health by analysing the pattern and extent of resource use on the campus.

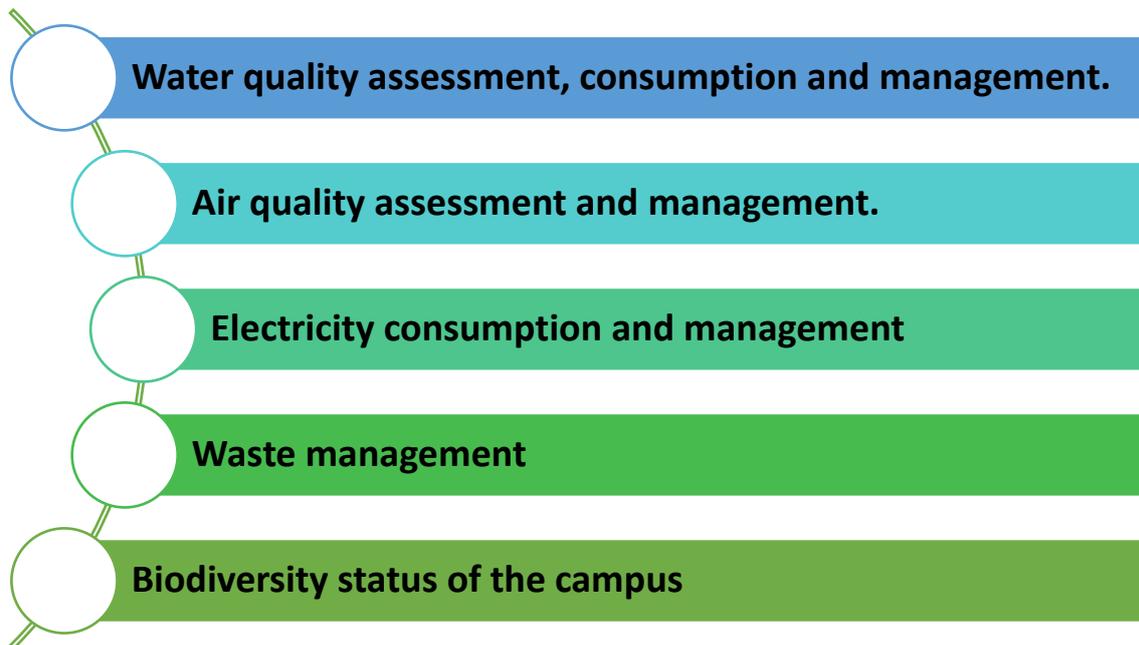
To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.

To bring out a present status report on environmental compliance.



## 4. METHODOLOGY

In order to perform green audit, the methodology included different techniques such as physical inspection of the campuses, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. The study covered the following area to summarise the present status of environment management in the campuses



The Green Audit taken up by the Kohinoor business school had been divided into three stages



## **5. THE PRE-AUDIT STAGE**

In the pre-audit stage, meetings provide an opportunity to support the capacity and objectives of the audit and enable discussions on the feasibility associated with the audit. The meeting provides the first opportunity to meet the audit and deal with several practical knowledge and concerns. The meeting provided the chance to gather information that the audit team can study before arriving on the site. The audit procedure and audit plan were handed over at this meeting and discussed in advance of the audit itself. In Kohinoor business school, the planning of audit processes was discussed in the pre-audit meeting. Audit team was also selected in this meeting with the help of staff and the Institute management. The audit protocol and audit plan were handed over at this meeting and discussed in advance of the audit itself. The Management of the Institute has shown the commitment towards the green auditing during the pre-audit meeting. They were ready to encourage all green activities. It was decided to promote all activities that are environment friendly such as awareness programs on the environment, campus planting more trees on the campus, etc., after the green auditing. The management of the Institute was willing to formulate policies based on green auditing report.

## **6. THE AUDIT STAGE**

The Audit Stage encompasses of the team selection and the field works performed. Looking after the unique structure, location and ambiance of the Institute, the Green Audit Team focused on Material Issues pertaining to Institute which have the highest influence on the Green Attributes of the Institute. The Audit stage also focused on the Methodology adopted. Checklist approach is adopted for transparent evaluation of the topics and increase readability for independent reader.

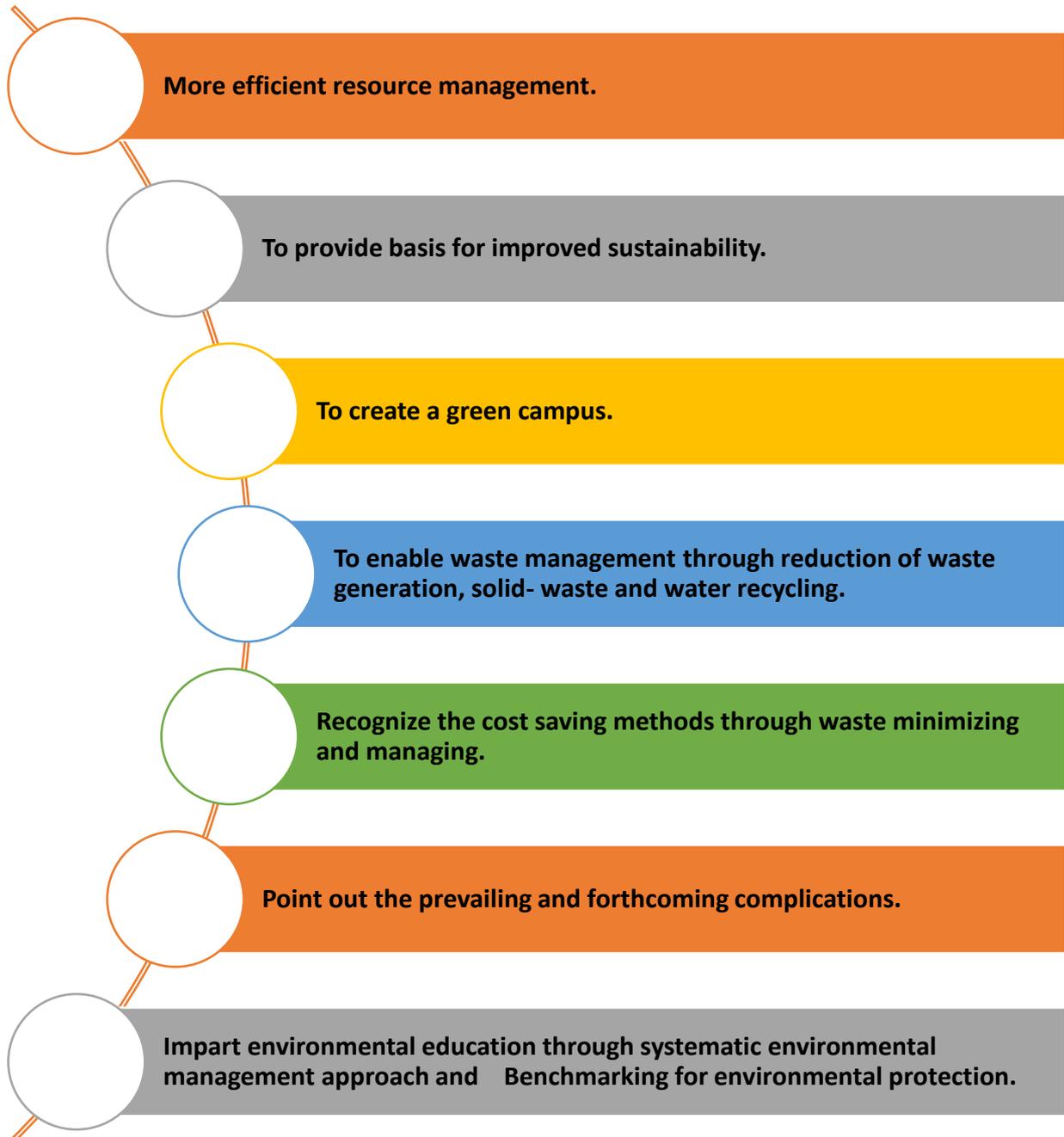
## **7. THE POST AUDIT STAGE**

The post-audit stage ensures formulation of Draft findings and sent to management response. Since the audit is done internally, it was important to ensure management approval for the draft. After getting draft approval, the audit team went for final report formulation.



## 8. AUDIT GOALS OF THE INSTITUTE

The Institute, has created green monitoring team that aimed at performing the green audit of the institution. The main objectives of the audit are





## 9. AUDIT FRAMEWORK AND DETAILED FINDINGS

The following audit framework is used for conducting Green Audit in 2020. The framework also lists the findings and observations for every criterion.

Control objective	Control(s)	Audit Observation
<ul style="list-style-type: none"> <li><b>WATER MANAGEMENT</b></li> </ul>	<ul style="list-style-type: none"> <li>Repair sources of water leakage, such as dripping taps.</li> </ul>	<ul style="list-style-type: none"> <li>Regular checking and maintenance of pipelines are done to control water wastage.</li> </ul>
	<ul style="list-style-type: none"> <li>Encourage to decrease excess water usage.</li> </ul>	<ul style="list-style-type: none"> <li>Though water is used nominal in the Institute, but to ensure a further minimal rate, placards and warnings are not set up in the Institute premise. That must be adopted at every water delivery point.</li> </ul>
	<ul style="list-style-type: none"> <li>Install water recycling mechanism.</li> </ul>	<ul style="list-style-type: none"> <li>mechanism is adopted. However, it is not working and functional. That must be retrofitted and should be brought into the function.</li> </ul>
	<ul style="list-style-type: none"> <li>Minimize wastage of water and use of electricity during water filtration process, if used, such as Aqua guard filter</li> </ul>	<ul style="list-style-type: none"> <li>Further improvement and reduction in water consumption and ground water recharging is expected.</li> </ul>
	<ul style="list-style-type: none"> <li>Rainwater Harvesting project execution</li> </ul>	<ul style="list-style-type: none"> <li>Though Rainwater is collected through underground pipelines, it is not properly recharged to ground water. That must be retrofitted properly.</li> </ul>
<ul style="list-style-type: none"> <li><b>WASTE MANAGEMENT</b></li> </ul>	<ul style="list-style-type: none"> <li>Compost, or cause to be composted, all organic</li> </ul>	<ul style="list-style-type: none"> <li>The Institute has set up a vermicomposting plant. However, it is insufficient. Hence, automatic waste composting is strongly</li> </ul>



		<p>recommendation for better waste management.</p>
	<ul style="list-style-type: none"> <li>• Make full use of all recycling facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Institute does not have any such recycling device to carry on the procedure. Primary segregation is carried out and partly paper, plastic and E waste is sold or shared to local kabadiwalas or few NGOs.</li> </ul>
	<ul style="list-style-type: none"> <li>• waste, green waste and non-recycled collected from gardens, offices and rooms.</li> </ul>	<ul style="list-style-type: none"> <li>• compost plant that ensures proper treatment of all organic wastes. However, it is absolutely primary processing. Better and scientific treatment is expected.</li> </ul>
	<ul style="list-style-type: none"> <li>• Recycle or safely dispose of dry wastes, computers and electrical appliances.</li> </ul>	<ul style="list-style-type: none"> <li>• Recycle or safely dispose of dry wastes, computers and electrical appliances is done at primary level is done. E waste is not given to any authorized E waste recyclers.</li> </ul>
	<ul style="list-style-type: none"> <li>• Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated</li> </ul>	<ul style="list-style-type: none"> <li>• The Institute has set up separate bins to ensure proper segregation and collection of the various wastes. The responsibility of recyclable waste is however still not taken up the Institute</li> </ul>
	<ul style="list-style-type: none"> <li>• Dispose all waste, whether solid or otherwise, in a scientific manner and ensure that it is not released directly to the environment</li> </ul>	<ul style="list-style-type: none"> <li>• Yes, the Institute is trying to dispose all wastes, whether solid or otherwise, in a scientific manner and ensure that it is not released directly to the environment; however, there is a lot of scope for improvement in current waste handling methods.</li> </ul>



<ul style="list-style-type: none"> <li><b>GREEN CAMPUS</b></li> </ul>	<ul style="list-style-type: none"> <li>Encourage the faculties and students to plant trees in the garden.</li> </ul>	<ul style="list-style-type: none"> <li>Encourage the faculties and students to plant trees in the garden. Existing plantation is named and marked properly. However, more plantation can be adopted with more native trees.</li> </ul>
	<ul style="list-style-type: none"> <li>Establish a Garden in the campus</li> </ul>	<ul style="list-style-type: none"> <li>Institute already has a well-maintained garden.</li> </ul>
	<ul style="list-style-type: none"> <li>Disposal of the chemical waste generated from the laboratories in a scientific manner</li> </ul>	<ul style="list-style-type: none"> <li>No laboratories present in Institute</li> </ul>
	<ul style="list-style-type: none"> <li>Minimize the use of fertilizers and pesticides in Institute ground &amp; garden.</li> </ul>	<ul style="list-style-type: none"> <li>Moderate amounts of bio-fertilizers are used in the Institute.</li> </ul>
<ul style="list-style-type: none"> <li><b>ENERGY MANAGEMENT</b></li> </ul>	<ul style="list-style-type: none"> <li>Look in to the possibility of on-site micro-generation of renewable electricity.</li> </ul>	<ul style="list-style-type: none"> <li>Institute has already installed solar power system for their part consumption.</li> </ul>
	<ul style="list-style-type: none"> <li>Give preference to the most energy efficient and environmentally sound appliances available, this includes only using energy-saving light bulbs</li> </ul>	<ul style="list-style-type: none"> <li>The Institute is using LED lights as much as practicable</li> </ul>
	<ul style="list-style-type: none"> <li>Ensure that all cleaning products used by Institute staff have a minimal detrimental impact on the environment, i.e. are biodegradable and non-toxic</li> </ul>	<ul style="list-style-type: none"> <li>Negligible amounts of washing liquids are used in the Institute and all the toilet cleaners are eco-friendly</li> </ul>

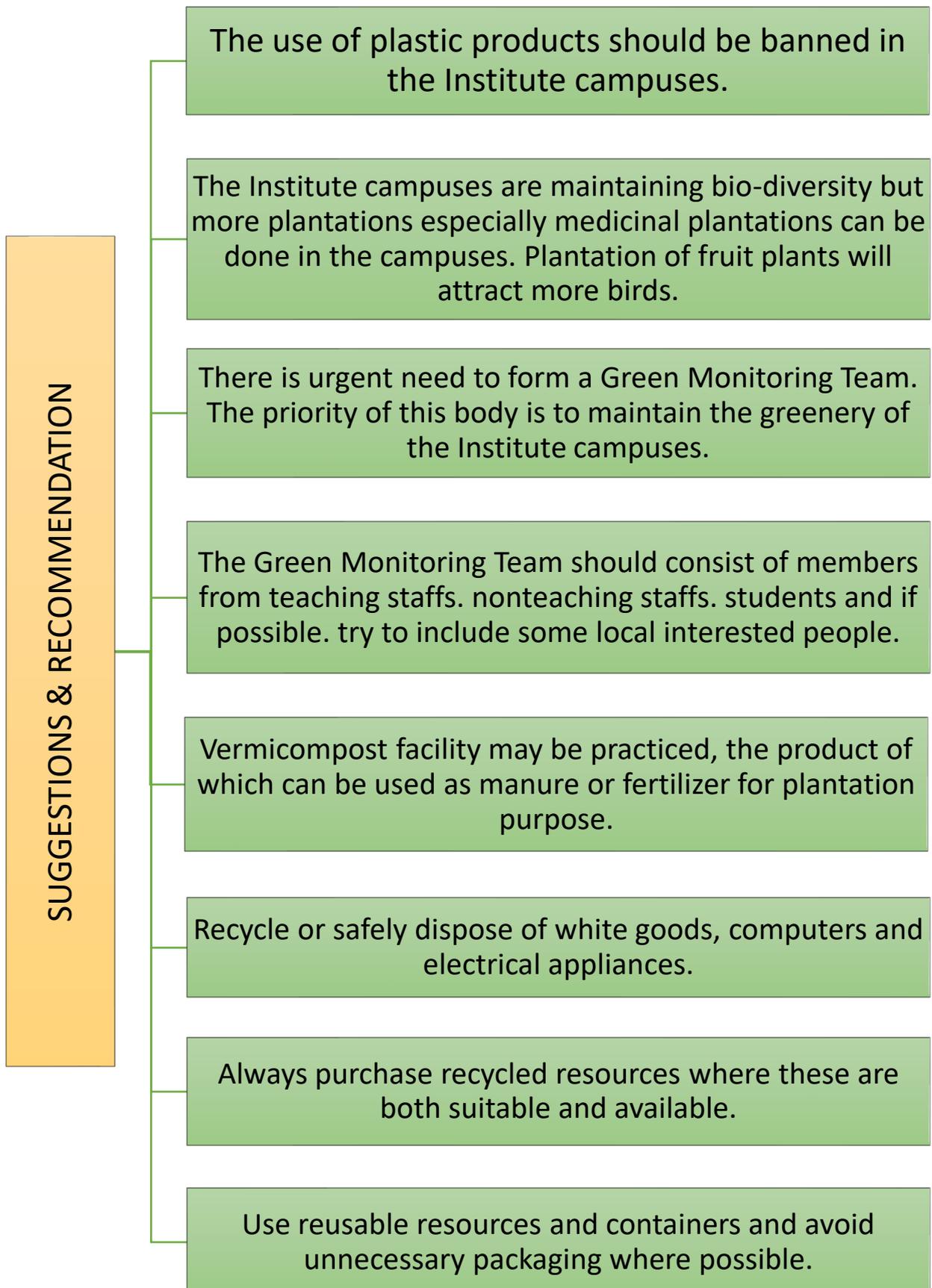


## 10. KOHINOOR BUSINESS SCHOOL LOCATION





## 11. SUGGESTIONS AND RECOMMENDATIONS





## **12. CONCLUSION**

The audit was conducted to check following aspects

- **More efficient resource management.**
- **provide basis for improved sustainability.**
- **Creating a green campus.**
- **Enable waste management through reduction of waste generation, solid- waste and water recycling.**
- **Recognition of the cost saving methods through waste minimizing and managing.**
- **Point out the prevailing and forthcoming complications.**
- **Impart environmental education through systematic environmental management approach and Benchmarking for environmental protection.**

**Abow targets are fairly achieved in executed green audit report.**