



Isfahan University of Medical Sciences and Health Services

Statute of the Green Management Steering Council

Winter 2018

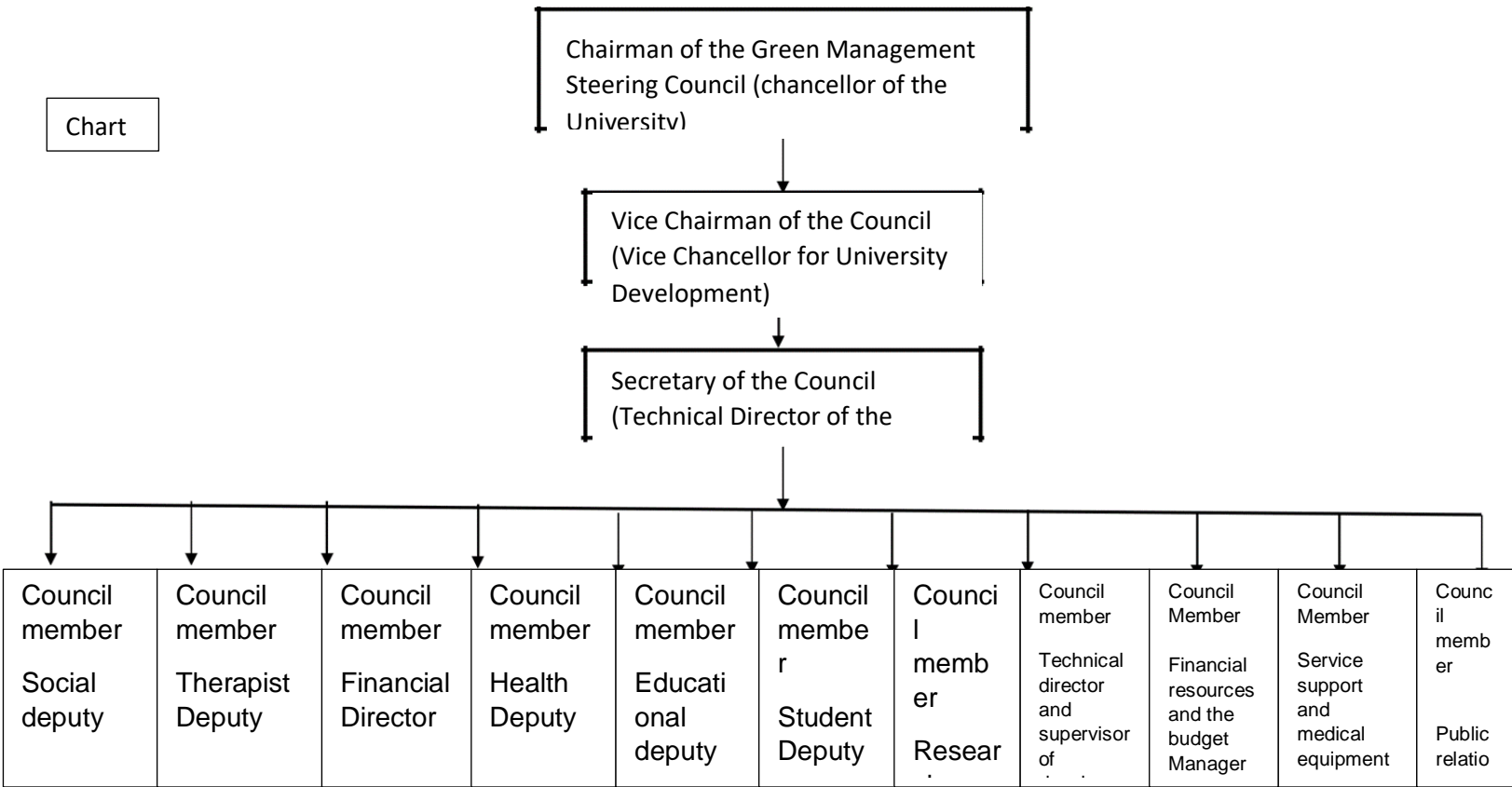
Introduction:

Green University: The concept of green university is an approach that has been proposed under the concept of sustainable development and expresses the serious responsibility of the university in this regard. Resources will be. The waste resulting from this volume of activity and consumption is significant and if not properly managed, it will cause pollution. Therefore, the green management of the university includes the fields of education, research, buildings and various cultural and social activities. Thus, by increasing the responsibility of the university in dealing with the environment and saving resources, it is possible to expand knowledge and opportunities in line with environmental activities. In addition, the purpose of applying the green university approach is simply to inject this way of thinking in the university environment. It does not seek to influence society and strengthen the mutual interaction between society and the university in various fields, and in an ideal view, it will be in line with the perspective of green society. The importance of this issue becomes clearer with reference to some of the most important laws and programs related to the Green University in Iran: Article 05 of the Constitution, the 05-year vision document of the Islamic Republic, the propaganda policies of the resistance economy and consumption pattern, and Article 70 of the Charter. The ethics as well as the policies of Cologne in the statements of the Supreme Leader are of this kind. It is noteworthy that green management should be considered as the main mission of the university not only in the level of energy consumption pattern but also in the fields of education and research. Hospitals and medical centers are considered to be the most vital infrastructures of any society. Their strategic position in the face of critical events and their essential role in increasing the level of health and well-being of the country, increase the sensitivity of the issue and the ability of these centers to control Energy costs are of particular importance, keeping in mind that any goal that requires public culture and is achieved very slowly must be addressed before the time of crisis arrives and enters a new phase of implementation of optimizing energy consumption today. Unfortunately, no major action has been taken so far on how to audit and reduce energy consumption in educational, health and medical centers. And its excessive waste has damaged the national capital and the economic cycle of the country and endangered the environment and the efficiency of hospitals and other centers. Education has faced a serious challenge. Therefore, finding solutions to save energy in the buildings of medical centers and related buildings is of particular importance.

Targets

Given that the set of government funds in this sector is limited, the targeting of subsidies makes the need to manage and optimize these resources more necessary than before and is in every way in favor of educational, medical and health centers. According to studies, hospitals have the greatest potential for reducing energy consumption compared to other buildings in the country, and since the intensity of energy consumption in hospitals is 0.0 times that of commercial buildings and the potential for reducing consumption up to 05% in hospitals is predicted . Due to growing consumption, increasing the price of energy carriers, the need for a comprehensive system of policy makers and supervisors of this management and optimization of energy consumption is considered and energy auditing should be done with the cooperation of experts in this field. Therefore, in this regard, the need to establish a strategic council of the Green University in the university is very necessary and this council aims to monitor the green level of the university campus and all educational, medical and health centers and to develop guidelines and policies to audit and reduce energy consumption.

Chart



Task Description of Green University Steering Council:

1. Full implementation of the provisions of the Green University according to the instructions of the management organization
2. Studies on the energy status of medical and health services in existing centers
3. Investigate the effects and provide an operational solution to reduce environmental pollution and waste of natural resources through the replacement of renewable fossil fuels
4. Development of energy management system at the colonial and micro level of the health care system and medical education of the country
5. Development of standards and criteria for energy consumption in energy equipment in hospitals
6. Carrying out studies and applying audits and optimizing the management of energy consumption in order to label the energy of health centers.
7. Providing financing strategies for optimizing and reducing energy consumption
8. Study related to the use of new equipment and technology in the energy sector

Composition of members of the Green Management Steering Council:

- Honorable Vice Chancellor of Management and University Resources Development
- Honorable technical director and supervision of university development projects
- Honorable Director of University Support Services and Medical Equipment
- Honorable director of financial resources and university budget planning
- Honorable Director of University Finance
- Honorable Deputy Minister of Health and Head of the Health Center of the province
- Honorable Vice Chancellor of the University
- Honorable Vice Chancellor for Research
- Honorable Vice Chancellor for Social Affairs of the University
- Honorable Director of Public Relations of the University
- Honorable Vice President of Information Technology
- Honorable student and cultural deputy

Green Management Strategic Council: According to the communiqué, the Green Management Instruction is applicable in universities, research centers and science and technology parks. Science and technology parks should be established. It is necessary for the Strategic Council to form specialized committees and to contact the Secretariat of the Council in order to complete and submit a report in line with the Green Balance model.

1. Summary of green balance model table

Table 7 shows the classification of the components of the green balance model, the code and the score for each item. Based on this, each institution can specify which index it is possible to receive points. In addition, the details of each index and the measured data will be mentioned below.

code	Score	Indicator	Criterion	Common	Area		
GEO1	100	رد پای کربن (Carbon Footprint)	کیفیت هوا (Air & Climate)	فعالیت های محیط زیستی سبز (Green Environmental Operation)	Environm ent managem ent		
GEO2	100	کیفیت محیط بیرونی (Outdoor Air Quality)					
GEO3	250	تعمیر و نگهداری ساختمان (Building Operation & Maintenance)	ساختمان سبز (Green Building)	فعالیت های محیط زیستی سبز (Green Environmental Operation)	Environm ent managem ent		
GEO4	200	ساخت و ساز جدید (Building Design & Construction)	انرژی (Green Energy)				
GEO5	250	میزان کاهش مصرف انرژی (Consumption)					
GEO6	190	استفاده از انرژی های پاک (Renewable Energy)					
YGEO	120	حمل و نقل جایگزین (Green Transportation)	حمل و نقل سبز (Transportatio n)				
GEO8	40	سوخت جایگزین (Alternative fuel)					
GEO9	180	مدیریت مصرف آب (Water Management)	آب (Water)				
GEO10	40	استفاده از آب باران (Rainwater Management)					
GEO11	80	مدیریت پساب (Wastewater Management)					
	1450		Overall component				

GMR1	45	بازیافت 3Rs(Reduce Recycle,Reuse)	پسماند (Waste)	مواد و منابع سبز Green Material & Resources	
GMR2	55	مدیریت پسماند (Waste management)			
GMR3	30	برنامه ریزی خرید سبز (Green Procurement)	خرید سبز (Green Purchasing)		
GMR4	55	خرید تجهیزات الکترونیکی سبز (Green Electronic Purchasing)			
GMR5	20	خرید مواد تمیز کننده سبز (Cleaning &janitorial Purchasing)			
GMR6	55	خرید کاغذ (Office Paper Purchasing)			
GMR7	40	غذای سبز (Green Food Program)	غذای سبز (Green food)		
	300		Overall component		
GER1	80	ارائه دروس مرتبط با مدیریت سبز (Green Academic Course)	آموزش (Education)	آموزش و پژوهش سبز Green Education & Research(مدیریت علوم سبز
GER2	80	گرایش مرتبط با مدیریت سبز (Green Curriculum)			
GER3	60	دوره های آموزشی مرتبط با مدیریت سبز (Green Public Course)			
GER4	40	آموزش بدو ورود دانشجویان (Student Educator Program)	ماحصل آموزشی (Learning Outcome)		
GER5	80	پایان نامه های مرتبط با مدیریت سبز (Green Thesis)			
GER6	240	پژوهش های سبز (Green Research)	پژوهش (Research)		
GER7	120	حمایت های پژوهشی سبز (Green support for Research)			
	700		Overall component		
GIE1	155	ایده های پیشنهادی نو آورانه (Theoretical Ideas)	در سطح ایده (Idea)	تلاش های نو آورانه سبز (Efforts Innovativ e Green)	
GIE2	155	پیشنهادهای اجرا شده نو آورانه (Operational Concept)	در سطح اجرا (Concept)		

	310	Overall component			
GCI1	40	آموزش مدیران (Executive Educator Program)	مشارکت درون دانشگاهی (Inter Compus Collaboration)	تعاملات دانشگاهی سبز (Interaction Green compus)	مدیریت فرهنگی - اجتماعی سبز
GCI2	60	انجمن ها و فعالیت های فرهنگی و اجتماعی (Socio - Culture Community)			
GCI3	60	آموزش کارکنان (Employees Educator Program)			
GCI4	60	مشارکت با جامعه و آموزش عمومی (Public Awareness & Participation)			
GCI5	60	تعاملات بین المللی (International Interaction)			
GCI6	120	کسب و کار سبز (Green Business)			
GCI7	60	همکاری در تدوین ضوابط و استانداردهای مرتبط با مباحث مدیریت سبز (Green Codification of Principles and Criteria)			
	440	Overall component score			
GAP1	50	کارگروه تخصصی سبز (Green Professional Committee)	هماهنگی و برنامه ریزی (Coordination & Planning)	برنامه ریزی های سازمانی سبز (Plannig Administrative Green)	
GAP2	80	برنامه چشم انداز سبز (Green Overall Policy)			
GAP3	170	سرمایه گذاری سبز (Green Investment)			
GAP4	-	-			سلامتی و کار (Wellbeing & Work)
	300	Overall component			

2. Introducing indicators and scoring methods

In this section, each of the components considered for measuring the situation is presented in detail in the order presented in Table 1. It should be noted that the measurable data set is classified into two categories of general and specific data. Table 2 represents general data and includes information that will be available from the statistical yearbook of educational institutions. Specific data relevant to each index requires little information, which is presented in the section related to each index.

Table 2. General data list of green balance model

Green environmental activities	
General data	Institute statistics
Total number of students	
Number of non-dormitory students on the main campus of the university	
Number of dormitory students on the main campus of the university	
Number of university staff	
Number of faculty members	
Number of dormitory students	
Area of university educational buildings	
Gross area of the institution	
Area of laboratory spaces	
Area of health care spaces	
The total area of the main campus	
The total area of afforestation	
Total area of vegetation (grass, garden, flowers, shrubs, vegetables)	
Annual cubic meter of gas consumption in the institute in the base year	
Annual cubic meters of gas consumption in the institute in recent years	
The amount of kilowatt hours per year of electricity consumption from renewable sources in the institute in the base year	
The amount of kilowatt hours of electricity consumed annually from renewable sources in the institute in recent years	
The amount of kilowatt hours of annual electricity consumption purchased from the electricity distribution network in the institute in the base year	
The amount of kilowatt hours of annual electricity consumption purchased from the electricity distribution network in the institute in recent years	

The level of infrastructure of the institute in recent years	
The level of infrastructure of the institution in the base year	
Total number of buses owned by the institute in base year and recent year	
Total number of minibuses owned by the institute in the base year and recent year	
Total number of institute vans in base year and recent year	
Total number of office machines of the institute in the base year and recent year	
Total number of motorcycles of the institute in the base year and recent year	
Total area of available parking lots	
The level of infrastructure of the institute in recent years	
The level of infrastructure of the institution in the base year	
The total area of green space of the institute in recent years	
The total area of green space of the institute in the base year	
The total amount of water used to irrigate the green space of the institute in recent years	
Green materials and benefits	
General data	Institute statistics
Number of students of the institute	
Number of faculty members of the institute	
Number of employees of the institute	

Green education and research	
General data	Institute statistics
The total number of courses offered at the institute	
The total number of new students entering the institute in the last one year	
Total number of postgraduate dissertations in the institute in a period of three years Recent 2015-2017	
Total number of faculty members in the institute	

Total number of research projects in the institute in the last three years	
Green Academic Interactions	
General data	Institute statistics
The total number of new employees of the institute in the last one year	
Total number of employees in recent years	
Total number of training courses held for the public in the last three years	
Green organizational planning	
General data	Institute statistics
Total dedicated revenues in the field of green management in the last year	
The total budget of the institute's capital acquisitions in the field of green management in the last one year	
The total budget allocated to the university in the year 2016	
The total budget approved by the university in the year 2017	

Table 2 - Criteria and indicators of the component of green environmental activities

code	score	indicator	Criterion	Component
GEO1	100	The effect of carbon footprint	Air quality	
GEO2	100	Outdoor environmental quality		
GEO3	250	Building maintenance	Green Building	
GEO4	200	New construction		
GEO5	250	The rate of reduction of energy consumption	Energy	
GEO6	190	Use clean energy		
GEO7	120	Alternative transportation	Green transportation	
GEO8	40	Alternative fuel		
GEO9	180	Water consumption management		

GEO10	40	Using rainwater	water	
GEO11	80	Wastewater management		
	1450	Overall score of component		

Table 2 shows all the criteria affecting the environmental components, which is one of the concerns today and the need to provide solutions and encourage university environments to address them. In the following, we will present all the indicators, scores and relationships for calculating these indicators.

GEO1 Carbon footprint up to 100 points

Definition: The carbon footprint index recognizes institutions and organizations that have a well-codified and documented program to reduce the greenhouse effect.

Scoring: The maximum score obtained from this criterion in three paragraphs will be 100, which is calculated from the following arrangements and relations:

A: Listing and documenting the sectors that produce carbon effects (electricity consumption, transportation, food, fossil fuels, paper, electronic equipment, etc.

B: Calculate the reduction in the effect of carbon footprint compared to the base year

C: Evaluate the performance of the institute in reducing greenhouse gas emissions (according to the area of the institutes)

The effect of carbon footprint		Related Organizational departments
Specific data	Institute Statistics	Technical management and supervision On development plans
electricity consumption		
Gas consumption		
Paper consumption		
Water consumption		
Distance traveled by petrol vehicles owned by the company in the base year and recent year		

Distance traveled by diesel vehicles owned by the company in the base year and recent year		
Distance traveled by aircraft owned by the Institute in base year and recent year		
Distance traveled by diesel vehicles owned by the company in the base year and recent year		

Outdoor environmental quality Maximum 100 GEO2 points

Definition: The outdoor environment quality index seeks to protect the ecosystem and human health by reducing pollution and improving outdoor air quality.

Scoring: The maximum score obtained from this criterion in two paragraphs will be 100.

Organizational departments	Outdoor environmental quality			
	Manage university support services	Institute Statistics		
Solutions to reduce the effect of heat island		Create diversity Biology, identification and planting of native plants	Protection and resuscitation Habitats Existing biodiversity	Criterion
				Number of coded programs Criteria for reduction Pollution and improving conditions in The direction of the green environment

GEO3 Building repair and maintenance

Maximum 250 points

Definition: By placing buildings in the first category of resource consumption: existing buildings provide the best opportunity to improve the situation. Existing buildings are the most important part for major changes. While new buildings seek to avoid harm to the environment, existing buildings can heal existing conditions. In this situation, the goal is to achieve global standards in the definition of green building according to internal rules and regulations.

Scoring: The maximum score obtained from this criterion in three paragraphs will be 250, which is calculated according to Article 19 of the National Building Regulations from the following provisions

A: Improving the design of the building

B: Improving the condition of mechanical facilities of buildings

C: Improving the condition of electrical installations and lighting systems

Related organizational departments	Building maintenance	
-Technical management and project supervision Civil engineering - Service management and support University	Program title and action	Specific data
		Maintenance plans and actions in the field of design
		Maintenance plans and actions in the field Mechanical
		System maintenance plans and actions Lighting of electrical installations

4 new constructions up to 200 points

Definition: New buildings can inspire conditions. In this index, the goal is to achieve Global standards in the definition of green building are in accordance with internal rules and regulations.

Scoring: The maximum score from this criterion in six paragraphs will be 200

A: construction management

Related organizational departments	new constructions				
Technical management and supervision of development projects	Between 75 and 100% of new buildings	Between 50 and 75% of new buildings	Between 25 and 50% of new buildings	Between 0 and 25% of new buildings	Execution of the following items in new constructions:
					Manage the selection of consultants and contractors
					cost management Cost forecasting Life cycle, Maintenance and repair ,
					return on investment Construction management based on the comprehensive plan approved by the campus
					modeling Building information Cmms system

					Pre-startup process management "Testing equipment, Ensure compliance standards ,
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					Personnel training”
					Evaluation after Exploitation Cmms

B: site management

Related organizational departments	Site management			
Technical management and supervision Development projects	Protect valuable sites	Access to municipal facilities Inside and outside campus based on access radius	Technical management and supervision of development projects	Optimal site location:
				New site
				Land reclamation
				Existing buildings
				Environmental impact assessment Biological (ELA) Impacts of land, air, Soil, water, sound

	At 50 to 75 percent New buildings	At 25 to 50 percent New buildings	At 0 to 25 percent New buildings	
				Management of surface water, runoff and groundwater
				Climate adaptation solutions and reducing the effect of heat and cold island
				Solutions to reduce light pollution
Manage university support services	At 50 to 75 percent New buildings	At 25 to 50 percent New buildings	At 0 to 25 percent New buildings	Reduce load on urban infrastructure
				Environmental landscape enhancement measures with emphasis on indigenous features
				Reduction of pollution) air, water and soil
				Facing natural telecommunications

Related organizational departments	Energy management						
Technical management and development plans of the university			Natural ventilation	Use of false ceilings	Plan orientation based on optimal lighting	Design of plans and partitions based on optimal lighting	Passive design solutions
					Insulation injection	Double glazed window	Passive executive solutions
	Approach 6	Approach 5	Approach 4	Approach 3	Approach 2	Heating and cooling facilities with energy label A-B	Active solutions
	Approach 6	Approach 5	Efficient elevator	Updated engine equipment	Power Generator	Split, LED lamps	Use of cooling, heating, lighting equipment, efficient elevators
	CHP system	Wave energy	Biomass energy	Earth heat energy	Wind energy	Photovoltaic solar cells	Use of renewable energy
					Connect to the power consumption site	Power meter system	monitoring of energy consumption separately

Related organizational departments	Water management						
Technical management and service support management of university	Mark the implemented options						Using useful equipment
	Approach6	Replace flash tanks	Dual sewage system	Special mixture faucet replacement	cooling towers	Smart faucet in all WCs	Indoor water consumption reduction systems
				Shower and replacement of low consumption showers	Optimizing water consumption		
	Approach6	Irrigation pipe control valve	Grass replacement	Return and store cooling water to irrigate the green space	drop irrigation	Low consumption faucet	Landscaping systems

	At 75 to 100 percent New buildings		At 50 to 75 percent New buildings	At 25 to 50 percent New buildings	At 0 to 25 percent New buildings	Not done	Leak control detection systems
	Approach 6	Approach 5	Dual sewage system	Cool back tower water	Liner system in agricultural irrigation	Pool purification system	Rainwater and gray water usage systems
	Approach 6	Installation of smart meters and flow meters with 100% progress	Installation of smart meters and flow meters with 80% progress	Installation of smart meters and flow meters with 60% progress	Installation of smart meters and flow meters with 40% progress	Installation of smart meters and flow meters with 20% progress	Monitoring and monitoring of water consumption by different sectors

Related organizational departments	Materials management						
Technical management and development plans of the university	Mark the implemented options						Special data
	Approach 6	Approach 5	Approach 4	Fire resistant materials	Knauf with PVC coating	Anti-acid materials	Use substances that do not contain harmful

							compound
	Approach 6	Name of recycled materials and how to use it in 80 to 100% of new buildings	Name of recycled materials and how to use it in 60 to 80% of new buildings	Name of recycled materials and how to use it in 40 to 60% of new buildings	Name of recycled materials and how to use it in 20 to 40% of new buildings	Name of recycled materials and how to use it in 0 to 20% of new buildings	Use of recycled materials
	Approach 6	In 80 to 100% of new buildings	In 60 to 80% of new buildings	In 40 to 60% of new buildings	In 20 to 40% of new buildings	In 0 to 20% of new buildings	Use of existing structures
	Approach 6	Approach 5	Approach 4	Delivery of workshop waste at designated municipal sites	Burial of workshop debris at designated municipal sites	Collection of workshop debris after the end of the course	Organizing construction waste
							Life cycle assessment

Related organizational departments	Internal management					
						Thermal comfort

						Determination and adaptation to the range of thermal comfort
Technical management and service support management of university	In 75 to 100% of new buildings	In 50 to 75% of new buildings	In 25 to 50% of new buildings	In 0 to 25% of new buildings	It cannot be monitored	Temperature and humidity monitoring
						Indoor air quality
	Approach 5		Unfavorable wind control	Use of oxygen generating plants in new buildings	Use of natural ventilation	Indoor air quality improvement strategies
	In 75 to 100% of new buildings	In 50 to 75% of new buildings	In 25 to 50% of new buildings	In 0 to 25% of new buildings	It cannot be monitored	Monitoring the level of indoor air compounds
						Sound comfort
						Visual comfort
	Vertical expansion capability in 50 to 75% of new buildings	Vertical expansion capability in 25 to 50% of new buildings	Horizontal expansion capability in 50 to 75% of new buildings	Horizontal expansion capability in 25 to 50% of new buildings	Not expandable	Flexibility and horizontal and vertical development capability

GEO5 Reduces energy consumption up to 250 points

Definition: This index is assigned to units that have reduced energy consumption in their agenda.

Scoring: The maximum score obtained from this criterion will be 250, which is calculated from the following equation:

Related Organizational department	Energy	
Technical management of university	The rate of reduction of energy consumption	
	Institute statistics	Specific data
		Annual kWh of electricity consumption from renewable sources in the institute
		The amount of kilowatt hours of annual electricity consumption purchased from the electricity distribution network At the institute
		Annual cubic meter of gas consumption in the institute

GEO6 Use clean energy up to 190 points

Definition: Support for the development and use of clean energy resources is considered in this index.

Scoring: The maximum score obtained from this criterion will be 190, which is calculated from the following equation:

Related Organizational department	Using clean energy	
Technical management of university	Institute statistics	Specific data
		The amount of energy produced in the institute in a clean way in the last year
		The amount of energy injected into the electricity distribution network in a clean way) Energy sales Production (in a recent year

GEO7 replaced transportation up to 120 points

Definition: In this index, the efforts of units to reduce the use of vehicles at different levels and the use of green methods of transportation are measured.

Scoring: The maximum score from this criterion will be 120 in four paragraphs.

Related Organizational department	Green transportation					
	Replaced transportation					
			Institute statistics			Specific data
university support services management						Number of bicycle parking available in the institution
	In 80 to 100% of new buildings	In 60 to 80% of new buildings	In 40 to 60% of new buildings	In 20 to 40% of new buildings	In 0 to 20% of new buildings	Bicycle lending system
	In 80 to 100% of new buildings	In 60 to 80% of new buildings	In 40 to 60% of new buildings	In 20 to 40% of new buildings	In 0 to 20% of new buildings	Get a car park fee
						Total number of buses owned by the university in the base year
						Total number of buses owned by the

					university in recent years
					Total number of Minibuses owned by the university in recent years
					Total number of Minibuses owned by the university in recent years
					Total number of Office cars owned by the university in recent years
					Total number of Office cars owned by the university in recent years
					Total number of vans owned by the university in recent years
					Total number of vans owned by the university in

					recent years
					Total number of Motorcycles owned by the university in recent years
					Total number of Motorcycles owned by the university in recent years
					Total number of entered cars owned by the university in recent years
					Total number of entered motorcycle s owned by the university in recent years
					Number of active line services on the main campus in 2017
					Number of active linear services to colleges in 2017
					Average number of

						passengers per line service on campus
						The total number of round trip services of the main campus of the university per day in 2017
						The total number of round-trip services to the university per day in 2017
						Average distance from services to college

GEO8 alternative fuel up to 40 points

Definition: Fuel efficiency and the replacement of clean fuels with fossil fuels will help improve the environmental situation, so it is evaluated in this index.

Scoring: The maximum score obtained from this criterion will be 45, which is calculated from the following equation:

Relative organizational department	Replaced fuel	
Vehicles and equipment	Institute statistics	Special data
		Number of vehicles with alternative fuel in the last 1 year

Alternative fuel: Due to the increase in fuel and air pollution, it is normal to find suitable alternatives to fuel for gasoline vehicles. Hydrogen, electricity, biodiesel, Anatole, liquefied natural gas, oil, liquefied petroleum gas, compressed natural gas, compressed air, liquid nitrogen, have been introduced as alternative fuels in the world.

GEO9 Water consumption management up to 180 points

Definition: The main goal in this index is to reduce water consumption to minimize the additional burden on the distribution network.

Scoring: The maximum score obtained from this criterion will be 180 in three clauses.

* Here, water means both drinking water and drinking water from wastewater treatment and non-potable well water.

Relative organizational department	Replaced fuel	
Technical management and service support management of university	Institute statistics	Special data
		Consumption rate of drinking water "cubic meters" of the institute in the base year

GEO10 Use of rainwater up to 40 points

Definition: If a school has an executive program to reduce runoff and pollution caused by it and use rainwater as a source of water consumption, it will be measured in this index. The use of rainwater and the prevention of surface water wastage help to enrich groundwater aquifers and reduce pressure on the urban water network.

Scoring: The maximum score from this criterion will be 40

Organizational department	Using rain water				
Technical management and service support management of university	Institute statistics				Special data
	Roof rain collection system	Rainwater collecting lake	Irrigation systems of green space with "Liner" rain	"Outdoor or basement" tank collects runoff	Documentation of the use of rainwater harvesting system

GEO11 Effluent management up to 80 points

Definition: Recycling and reuse of waste is reviewed and evaluated in this index

Scoring: The maximum score from this criterion will be 80

Relative organizational department	Replaced fuel	
service support management of university	Institute statistics	Special data
		The amount of recycled effluent used to irrigate the green space of the institute in recent years

	(Cubic meters)
	The total amount of water used in irrigating the green space of the institute in recent years (Cubic meters)

3. Components of green materials and resources

This component seeks to drive the supply of raw materials with green management and also to create an environment to encourage people to reuse resources and ultimately create a sustainable and dynamic life cycle. The mentioned component in several parts, which includes the purchase of appropriate materials and green food, as well as the proper management of waste from materials and tries to use materials that have the ability to return to the biological cycle. In addition, it seeks to transform biological culture in this area.

Table 3. Criteria and indicators of green materials and resources component

code	score	indicator	criterion	Component
GMR1	45	Recycling	waste	Green material and resources
GMR2	55	Waste Management		
GMR3	30	Green shopping planning	Green purchasing	
GMR4	55	Buying green electrical equipment		
GMR5	20	Buying green cleaners		
GMR6	55	Buying paper		
GMR7	40	Green food	Green food	
	300		Overall component score	

Based on the mentioned cases, this component is divided into three sections: purchasing green, green food, and waste, which are presented in detail below in terms of sub-indicators and scoring owners.

GMR1 recycling maximum 45 points

Definition: This index considers the use and production of recycled materials at the level of educational institutions

Scoring: The maximum score from this criterion will be 45, which is calculated from three paragraphs.

Relative organizational department	recycling				
service support management of university	Institute statistics				Special data
					Compost production rate
					Sales of livestock and poultry waste and excrement
	Plan 5	plan 4	plan 3	plan 2	plan 1
	Separation of waste at source				

GMR2 Waste Management Maximum 55 points

Definition: This index seeks to measure the rate of waste reduction in recent years, which requires awareness of the volume of waste produced per year.

Scoring: The maximum score obtained from this criterion will be in two clauses 55.

Relative organizational department	Waste management				
service support management of university	Institute statistics				Special data
					The volume of waste produced (per ton) in the institute during the whole last year
	Plan 4	plan 3	plan 2	plan 1	Codified program for the management and recycling of toxic and harmful substances

GMR3 Green Purchase Schedule Max 30 points

Definition: This index seeks to score the green purchase planning process, which, while managing the purchase, considers green criteria in selecting goods and consumer items.

Scoring: The maximum score from this criterion will be 30.

Green shopping behavior refers to the consumption of products that are environmentally friendly and useful for them, can be recycled or protected, and are sensitive and responsive to environmental concerns. In measuring green purchases, in some sources, real behavior is measured, and in some cases, intentions or both aspects are seen.

Relative organizational department	Green purchase schedule	
service support management of university	Institute statistics	Special data
	Plan 5 plan 4 plan3 plan 2 plan 1	Implemented operational plans and policies implemented in the institute regarding the green method of purchasing consumer goods and items

GMR4 Purchase of green electronic equipment up to 55 points

Definition: Focus on purchasing electronic equipment (electrical equipment, gas burners, etc.) with approved energy labels

The National Standards Organization is considered in this index.

Scoring: The maximum score from this criterion will be 55.

Relative organizational department	Buy green cleaners	
service support management of university	Institute statistics	Special data
		Cost to buy informal cleaners

		Total cost to buy cleaning materials
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Relative organizational department	Buy green cleaners	
service support management of university	Institute statistics	Special data
		Cost to buy electronic equipment with energy label In the institute in recent years A
		Cost to buy electronic equipment with energy label In the institute in recent years B
		Cost to buy electronic equipment with energy label In the institute in recent years C
		Total cost to buy electronic equipment in the institute in a period of one Recent years

GMR5 Buying green cleaners up to 20 points

Definition: Purchasing non-toxic cleaners reduces allergenic diseases and improves indoor air quality. Hence it is evaluated in the green logo model.

Scoring: The maximum score from this criterion will be 20.

GMR6 Buying paper maximum 55 points

Definition: Since paper consumption is more important in office activities, the effort to minimize paper consumption in the administrative process and the use of recycled paper in this index is measured and it is hoped that by reducing paper consumption to cut down trees to a minimum. Approached.

Scoring: The maximum score obtained from this criterion will be from two clauses 55.

Recycled paper: Recycled printing and writing paper refers to papers that, with the exception of factory process paper, use only 05% of their fibers as waste paper.

Relative organizational department	Buying paper	
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service support management of university	Institute statistics	Special data
		Number of used paper per year in the institution
		Number of paper consumed in recent years, in the institute
		Number of recycled paper in recent years

GMR7 Green Food Max 40 points

Definition: Organic foods are animal and plant foods that use natural systems in their production and do not use genetic modifications and chemicals including insecticides, fungicides, pesticides and herbicides.

Scoring: The maximum score from this criterion will be 40 in three paragraphs.

Relative organizational department	Green food	
Student Affairs, Nutrition Affairs	Institute statistics	Special data
		Law on the use of green raw materials in cooking and distribution contracts of the institute
		Preparation and production of green food:
		Codified program for the production and consumption of green food
		Production and use of raw materials from the gardens and agricultural lands of the institute
	Selling garden products outside the institution Weekly plans to reduce food intake	Green food consumption

	Donating food to the needy Removing disposable containers Food waste transfer for animal feed	
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4 Green Science Management

4 and 1 Green Education and Research

Given the role of the university in lifestyle improvements, the components of education and research have a significant role in increasing green literacy. Education and research is one of the main functions of the university environment, which by directing the topics of education and training specialized people for the society, lead it to green management. In addition, research is one of the main topics in the university environment, which by thinking about the challenges ahead can provide solutions to achieve a green management structure. Therefore, this field is covered in educational topics and human achievements as well as university research. The main criteria of this component are divided into three sections: education, education and research, whose measurable and adaptable indicators with the conditions of higher education in the country are listed in the table. Below, each of the indicators of this component is known and its sub-indicators and owners of scoring and relationship are introduced.

Table 4 - Criteria and indicators of green education and research component

code	score	indicator	criterion	component
GER1	80	Provide courses related to green management		Green education and research
GER2	80	Green management related trends		
GER3	60	Green management training courses		
GER4	40	Education upon arrival of students		
GER5	80	Theses related to green management		
GER6	240	Green Research		
GER7	120	Green research support		
	700	Component score		

GER1 offers courses related to green management up to 80 points

Definition: Offering related or semi-related courses in the field of green management provides the basis for shaping the body of knowledge in society. Courses can be defined as optional or as a series of general and basic courses. Thus, the presentation of a topic related to the general introduction of the concept of sustainable development and its various areas can be raised. In addition, attention to the three main aspects of sustainable development, including environmental, social and economic issues, will be the basis for classifying and offering relevant and semi-relevant courses. In this way, all areas of knowledge can be involved in this educational approach.

For example, we can mention the items that each can be defined in the form of a heading:

- Sustainable development in the interdisciplinary field in different disciplines
- Introducing environmental issues specifically in various fields and producing environmentally friendly materials using recycled materials, and...
- System thinking and management knowledge in the process of green management
- Environmental sociology and social resilience

- Ecological economy, social and reciprocal responsibilities of companies and commercial institutions
- Physical and mental health caused by environmental issues
- Literature in line with sustainable development, environmental journalism
- Environmental policies and regulation of legal conditions of relevant laws and regulations

Scoring: The maximum score from this criterion will be 85

Relative organizational department	Providing courses related to green management	
Deputy of Education	University Statistics	Specific data
		Number of units of courses related to green management offered in the institute

GER2 Green management related orientation up to 80 points

Definition: It is necessary to propose a trend related to the field of green management in order to align all academic departments with the green management approach, which will have its effects on the performance of society in the long run.

Scoring: The maximum score from this criterion will be 80.

Relative organizational department	Green management related trends	
Deputy of Education	University Statistics	Specific data
		New trends in postgraduate education related to green management in the institute in the last three years
		Existing trends in postgraduate education related to green management in the institute in the last three years

GER3 Training Courses Maximum 60 points

Definition: Using the facilities of the educational space and faculty specialists to train and cooperate with groups outside the faculty space in the field of green management will maintain communication with the community and strengthen and accelerate the educational process.

Scoring: The maximum score obtained from this criterion will be 65 in 2 sections.

Training course: refers to a course that while meeting the professional needs of management and experts and students and graduates and improving their professional skills has resulted in the issuance of a certificate, but this certificate will not replace the official documents of the university. In order to be considered as a training course in this paragraph, the length of the course must be at least 8 hours.

Relative organizational department	Green management training courses	
Deputy of Education	University Statistics	Specific data
		Number of training courses related to green management within the institution
		Number of training courses related to green management in the units of the institute in cooperation with green industrial units
		Number of training courses related to green management in the units of the institute with the cooperation with public, private and semi-private bodies
		Number of training courses related to green management in the units of the institute in cooperation with other educational institutions

GER4 Education Upon arrival of students maximum 40 points

Definition: An introductory class for students with the aim of getting acquainted with the approach of green management governing the various educational and administrative departments of the faculties, which is presented while creating a culture with emphasis on environmental criteria and is trying to get used to the green lifestyle. Students transform not only in the academic environment but also in the lifestyle.

Scoring: The maximum score from this criterion will be 40.

Relative organizational department	Education upon arrival of students	
Deputy of Education	University Statistics	Specific data
		Number of new students entering the institute, addressing green educational programs in the last one year

GER5 Theses related to green management up to 80 points

Definition: Conducting research related to the field of green management by faculty members to clarify the strengths and weaknesses of a society in the direction of green management and also the relationship between different areas of knowledge within the university and outside with organizations and institutions involved in decision Provides.

Scoring: The maximum score obtained from this criterion in two paragraphs will be 80.

Green Thesis: A dissertation whose topic is related to the three areas of environmental management and green exploitation, green science management and green socio-cultural management.

Operational dissertation: A dissertation whose ideas and theories have been used and implemented at the level of the institution or country.

Relative organizational department	Theses related to green management	
Deputy of research and technology	University Statistics	Specific data
		Number of operational green dissertations for postgraduate courses at the institute in the last three years

		Number of non-operational green dissertations of study courses
		Supplement in the institute in the last three years

GER6 Green Research Maximum 240 points

Definition: Conducting research related to the field of green management by faculty members to clarify weaknesses

The strength of a community for green management and the connection of different areas of knowledge within the university space and outside it provides the ground.

Scoring: The maximum score from this criterion in three paragraphs will be 240.

Relative organizational department	Green researches	
Research Affairs Management Office of Research Affairs	University Statistics	Specific data
		Number of faculty members with completed research project in the field of green management in the institute in the last three years
		Number of completed research projects in the field of green management in the institute in the last 9 years
		Number of research centers and specialized research institutes related to green management in the institute

GER7 Green Research Support Maximum 120 points

Definition: This index seeks to rate units that have the conditions to provide financial incentives to students and faculty members to study in the field of green management. Thus, the concepts of sustainable development and green management will be a priority in education and research and will provide the ground for attracting educational capital.

Scoring: The maximum score from this criterion in two paragraphs will be 120.

Relative organizational department	Green research support	
Research Affairs Management Office of Research Affairs	University Statistics	Specific data
		Number of programs written to encourage faculty members for green research in the last 9 years (financial support - study opportunities)
		Number of programs written to encourage students for green research in the last 9 years (financial support - study opportunities)

GE11 Innovative Suggested Ideas Maximum 155 points

Definition: The formation of any idea can provide the basis for research and executive operations. Suggested ideas in areas related to green management and criteria and indicators of the green balance model or items outside the model that fall under the category of sustainable development are considered in this index.

Scoring: The maximum score from this criterion will be 155.

Relative organizational department	Innovative suggested ideas	
Deputy of students Deputy of research Deputy of university resources	Name your suggested ideas.	Specific data
		Innovative suggested ideas

GE12 innovatively implemented proposals Maximum 155 points

Definition: Although presenting an idea is valuable, turning it into an executive and effective operation can also be measured separately.

Scoring: The maximum score from this criterion will be 155.

Relative organizational department	Implemented innovative ideas	
	Name the implemented ideas	Special data

Deputy of resources and development		Implemented green innovative ideas
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5 Socio-cultural management

5 and .1 Green Academic Interactions

This component tries to recognize and promote the participation of academics, which on the one hand, by encouraging academics to participate with the community, understands and deepens the issues related to green management and tries to regulate it so that it becomes a cultural infrastructure in life. .

In addition, this component deals with understanding and encouraging people in the community to influence the university environment in order to lead to green management. In this way, by understanding the real problems and challenges, it is possible to correct biological behaviors. On the other hand, this component tries to identify and encourage academics to interact with each other so that different solutions in different sciences can help enrich the range of green management topics.

Table 5. Criteria and indicators of the component of green academic interactions

code	score	indicator	criterion	component
GCI1	40	Managers training	Intra-university participation	Green campus interaction
GCI2	60	Associations and cultural and social activities		
GCI3	60	Staff training		
GCI4	60	Partnership with the community and public education	Extracurricular participation	Green campus interaction
GCI5	120	International interactions		
GCI6	260	Green business		
GCI7	140	Collaborate in developing rules and standards related to green		

		management issues	
	420	Component score	

Therefore, as can be seen in Table 10, this component has two criteria for intra-university and extra-university participation, and the indicators related to each criterion are carefully stated in the following topics.

GC11 Managers Training Maximum 40 points

Definition: Due to the role of managers in micro and large decision making, specialized training courses are important. Scoring: The maximum score from this criterion will be 40.

Relative organizational department	Managers training	
Deputy of resources and development	Institute statistics	Special data
		Number of trained managers of the institute in connection with green management in the last one year

GC12 Socio-cultural associations and activities Maximum 60 points

Definition: Voluntary movements of students in various forms, while having practical experience, provide the ground for institutionalizing a green lifestyle in daily activities.

Scoring: The maximum score obtained from this criterion will be 60 in three paragraphs.

Student Scientific Associations: Student scientific associations consist of students interested in participating in scientific activities in a college or department. These associations, in order to support, strengthen and promote culture and scientific ethics in the country's universities, strengthen the morale and scientific strength of talented and capable students and provide suitable grounds for collective scientific activities, as well as use their ability and creativity in realization. Scientific development and the science production movement are formed and operate.

Relative organizational department	Cultural and social associations and activities	
Deputy of resources and development	Institute statistics	Special data
		Number of approved student associations related to the

Social deputy University Publishing Center		field of green management in the institute
	-Number of approved publications in the institute fully related to green management -Number of open source publications approved by the institute fully related to green management -The number of online publications is completely related to the green management approved by the institute	Publications related to the field of green management:
		Number of competitions approved by the institute completely related to the field of green management "university level"
		Number of approved competitions of the institute completely related to the field of green management "national level"
		Number of competitions approved by the institute, completely related to the field of green management "provincial level"

GCI3 Staff Training Maximum 60 points

Definition: In-service training of employees in the field of green management has a great impact, because employees are permanent members of the faculty and in the long run with their green work style can transfer knowledge.

Scoring: The maximum score obtained from this criterion in two paragraphs will be 60.

Relative organizational department	Staff training	
Deputy of resources and development	Institute statistics	Special data
		Number of new employees of the institute targeting green educational programs in the last one year

		Number of trained staff of the institute in the field of green management in the last one year
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GCI4 Participation with the public education community Maximum 60 points

Definition: The role of faculties in teaching different groups is measured in this index.

Scoring: The maximum score from this criterion in two paragraphs will be 60.

Relative organizational department	Partnership with the community and public education	
Social deputy	Institute statistics	Special data
		Activities of academic associations in connection with the community To create culture (encourage waste collection and clean up nature, tree planting, walking, healthy food and other civic activities related to the field of green management)
		Support for specific groups and vulnerabilities (adaptation)
		Number of free training courses related to management and green lifestyle for the public in the last three years

GCI5 International Interactions Max 100 points

Definition: The relationship of each faculty with other faculties, the university at the national and international level provides the ground for sharing experiences and developing green management.

Scoring: The maximum score obtained from this criterion will be 100 in six clauses.

Relative organizational department	International interactions	
International Relations Management	Institute statistics	Special data
		Number of faculty members with the staff of the institute with membership in

International Affairs		prestigious international specialized associations related to the field of green management in the last year
		Number of joint conferences held at the institute with foreign universities in the field of green management in the last year
		Number of joint courses held at the institute with foreign universities in the field of green management in the last year
		Number of memorandums of cooperation with foreign green institutions in the field of green management
		Number of credentials / certificates and green badges from foreign institutions in the field of green management in the last one year
		Number of joint papers with foreign professors in the last one year
		Number of joint dissertations with foreign professors in the last one year

GCI6 Green Business Max 60 points

Definition: With the aim of strengthening the entrepreneurial spirit in the field of green management, this index measures the ways of providing business environment for students.

Scoring: The maximum score obtained from this criterion in three paragraphs will be 60.

Relative organizational department	Green business	
Deputy of technology and research	Institute statistics	Special data
		Number of codified operational plans to provide business context for students

		and graduates in the field of green management
		Number of formal working partnerships of the institute with public-private organizations and companies - Semi-private in the field of green management
	Mention the title of the internship field and the relevant body	Creating an internship for students outside the institute in the field of green management

GCI7 Collaboration in the development of rules and standards related to green management topics up to 40 points

Definition: One of the ways to apply the principles of sustainable development and green management in various fields is to provide rules and regulations.

If the members of a faculty play an active role in developing these regulations, they will receive the points of this section.

Scoring: The maximum score from this criterion will be 40.

Relative organizational department	Collaborating in developing criteria and standards related to green management issues				
Deputy of technology and research Deputy of graduation	Urban level	Provincial level	National level	International level	Special data
					Number of collaborations in developing criteria and standards related to green management issues "at different international, national,

					provincial and urban levels"
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5 and 2 Green Organizational Planning

This component seeks to help institutionalize green management-related programs in academic settings. In this regard, it seeks to encourage organizational planning on the one hand and the attraction of capital on the other hand to this important.

Table 6. Criteria and indicators of the green university interaction component

code	score	indicator	criterion	component
GAP1	50	Green specialized working group	Coordination and planning	
GAP2	80	Green future plan		
GAP3	170	Green Investment	investment	
GAP4	-		Health and work	
	300	Overall score of component		

Therefore, this component has two measurable indicators, which are given in Table 6. Examination of valid models of green management evaluation shows that some models have considered some cases in this field as evaluation criteria due to the importance of social sustainability.

GAP1 Green Specialized Working Group Maximum 50 points

Definition: The allocation of a specialized working group to guide and monitor the activities carried out in the field of green management is measured in this index.

Scoring: The maximum score from this criterion will be 50.

Relative organizational department	Green specialized working group	
	Name the Green specialized working group	Special data
		Number of Green specialized working group
GAP2 Max 80 scores / green future plan		

Definition: Having a detailed vision plan with specific goals and missions in order to achieve green management is considered as a roadmap and the basis of all decisions to use resources in this index.

Scoring: The maximum score obtained from this criterion in two paragraphs will be 170.

Relative organizational department	Green future plan	
Deputy of development	Name the plans.	Special data
		Number of approved master plans for the institute
	Education / waste / transportation / consumption of materials and resources/ energy /area of water and waste water	Number of comprehensive green management plans approved for the institute
		Number of future plans for the institute in each of the areas of green water and wastewater management, energy, consumption of materials and resources, transportation, waste and education

GAP3 Green Investment Max 170 points

Definition: Allocating part of the budget to the field of green management or attracting credit from different groups is scored in this index.

Scoring: The maximum score from this criterion will be 170.

Relative organizational department	Green investment	
Budget management Financial Management	Institute statistics	Special data
		Amount of attracting credit from donors in the field of promoting green management in the last one year period (Rials)
		The amount of expenses by investing from the specific revenues of the institute in

		the field of green management in the period of one recent year (Rials)
		The amount of expenses by investing from the budget of the capital acquisitions of the institute in the field of green management in the period of one year "Rial"

6. Deputy of Treatment

Implementing the green hospital certificate in the affiliated centers of the province and using it to accredit the centers

This certificate is valid for one year from...

Green Hospital Certificate



Green Hospital

City: _____ State: _____
 Building: _____ Hospital Name: _____
 Useful infrastructure level: _____ Number of beds: _____
 Climate: _____ Based on 8 divisions: _____

The audited building must be at least 25% of the total area

G = Up to 80	Golden Hospital
G = 60 Up to 79	Silver Hospital
G = 50 Up to 59	Bronze Hospital
G = 40 Up to 49	Green Hospital

درصد تامین	Description:	
	Insulation	Outer shell
	Use of new materials	
	Top windows	
	Green cover	
	Natural light	
	Innovation in design	Mechanical
	Solar heating systems	
	High efficiency heating equipment	
	High efficiency cooling equipment	
	Making smart	Electrical
	Innovation in design	
	Solar power generation systems	
	High efficiency lighting equipment	Water efficiency
	Making smart	
	Innovation in design	Water recycling
	Reducing equipment	
	Gray water	

Energy consumption percentage/activity time/Area ratio/sorting

%	ساعت	%	
%	ساعت	%	Emergency Hospitalization
%	ساعت	%	Specialized sections
%	ساعت	%	Clinic
%	ساعت	%	Offices
%	ساعت	%	Kitchen
%	ساعت	%	Engine room
%	ساعت	%	Laundry

The amount of energy

Energy ratio

صرف انرژی شهری بیمارستان

Hospital electricity consumption

..... Rial/bed - day	% KW/bed - day	5 KW/bed - day	Electricity Water Gas
..... Rial/bed - day	% litre/bed - day	500 litre/bed - day	
..... Rial/bed - day	% m ³ /bed - day	12 m ³ /bed - day	

Current energy consumption of the hospital

Mr.:

The chancellor of the hospital:

7: Deputy Minister of Health

Implementation of clean air law in the affiliated centers of the university

61599

14/08/2017

In the name of God

Environmental Protection Organization

Pursuant to Article 123 of the Constitution of the Islamic Republic of Iran, the "Clean Air Law" was attached, which was approved by the Islamic Consultative Assembly in a public session on Sunday, July 25, 2013, and on 1/08/2017 has been approved by the Guardian Council and has been submitted to the Islamic Consultative Assembly through letter No. 40382/83 dated 9/08/2017, and will be notified for implementation.

Hassan Rouhani

The president

Office of the Supreme Leader - Office of the President - Office of the Judiciary - Office of the President of the Islamic Consultative Assembly - Secretariat of the Expediency Council - Secretariat of the Guardian Council - Office of the First Vice President - Vice President for Parliamentary Affairs - Legal Vice President - All Ministries , Organizations, Government Institutions, Institutions of the Islamic Revolution and Governorates Nationwide - Court of Audit - Office of the Cabinet - Secretariat of the Government Information Council -Deputy for Legislative Affairs Deputy for Parliamentary Affairs-Deputy for Laws of the Islamic Consultative Assembly-Deputy for Communications and Information of the Office of the President-General Office for Follow-up of Plans and Bills-General Office for Documents and Revision of Laws of the Islamic Consultative Assembly-General Office for Compilation of Laws of the Islamic Consultative Assembly , Revision and publication of laws and regulations of the Presidential Institution-National System of Laws and Regulations of the Islamic Republic of Iran-Official Gazette of the Islamic Republic of Iran (for inclusion in the newspaper) 9/08/2016