

GREEN BUILDING COUNCIL INDONESIA

GREENSHIP RATING TOOL

for INTERIOR SPACE VERSION 1.0

GREENSHIP INTERIOR SPACE Version 1.0



APRIL 2012

GREENSHIP Interior Space Version 1.0

GREENSHIP Interior Space is targeted for users who are generally in form of business entity as tenant management companies using part, or all of the area within the building, followed by fit out activities which serve to accommodate the company's activities. The scope of the GREENSHIP Interior Space are not only limited to fit out alone; but also the management policy in selecting the site building and the tenant management activities (operational activities).

Eligibility is the fulfillment of rules and regulations that have be met to obtainGREENSHIP Interior Space certification.

E1	Scope of GREENSHIP Interior Space
Projectto	have a fit out activities
E2	Minimum Project Area
	minimum area of 25 m² in a building.
2. The er process.	ntire area used by management in a single building should be included in the certification
E3	Minimum Number of Users
Having a	t least onefull-time employee whohave worked, or will workfor a year
E4	Minimum Time Length of Occupancy
minimun If the than time	ity of a 3-years lease contract; or the area will be used as the same function for a n of 3-years period starting from the gaining of GREENSHIP Certification result. Le lease contract or the period of area usedwhen registering for certification process is less 3 years, then GREENSHIP certification will automatically expire in accordance with its period (based on the contract); unless the user extend the contract without any physical ges within the area used.
E5	Compliance with Detailed Spatial Plan
Manager Indonesia	ment to submit a copy of its Land Use Designation Permits of the building to GBC a.
E6	Building Safety
Manager GBC of Ir	ment to submit a copy of its <i>Proper Function Certificates</i> (SLF) or <i>Building Permit</i> (IMB) to adonesia.
E7	Project Data Transparency
_	ment is willing to sign an agreement letter encompassing approval to allow all data related NSHIP certification to be used as a case study conducted by GBC Indonesia.

Prerequisite Criteriaare thecriteriaineachcategorywhich haveto be metprior tofurther assessmentbased onthe creditandbonuscriteria. When oneprerequisiteis notmet, then the entire criteriainal IGREEN SHIP categories can not be assessed. Prerequisite criteria have no value (point).

Credit Criteria are criteria in each category and can be selected. The fulfillment of these criteria must be adjusted to the ability of the area. If the credit criteria are met, point(s) will be given; and when a criteria is not met, no point will be given.

Bonus Criteria are criteria in certain categories which enable the provision of additional value (point). These criteria can be chosen whenever possible and will be a bonus for its difficult implementation and not commonly implemented within building industry. Building(s) successfully obtain the bonus criteria are appreciated for their own achievement. Values (points) in the bonus criteria will not be added to the total value that is used as the dividerin obtaining the percentage of the total assessment (103 points); but it will increase the overall achieved points.

Catagory	Т	Total		
Category	Prerequisite	Credit	Bonus	Benchmark
Appropriate Site Development	1	5	-	12
Energy Efficiency and Conservation	1	5	-	17
Water Conservation	1	3	-	7
Material Resource and Cycle	2	6	1	19 (2B)
Indoor Healht and Comfort	1	12	1	28 (1B)
Building and Environment Management	1	3	1	10 (1B)
Total	7	34	3	93 (4B)

"Not Available" Credit Whereas a criteria having a caption that states the credit is "Not Available", it states that not all of users/tenants are able to meet the given benchmarks. This is because of characteristics differences of the area as well as limitations in the management of interior space, so the benchmarks can not be achieved. Where a condition of "Not Available" has to be taken, the calculation of related criteria will be excluded in the total calculation.

GREENSHIP Interior Space Version 1.0 Certification Level

Ranking	Percentage	Minimum
		Point
Platinum	73 %	75
Gold	57 %	59
Silver	46 %	47
Bronze	35 %	36

CRITERIA SUMMARY

Max Point Bonus Sub Code **CRITERIA Percentage** ASD - Appropriate Site Development Motor Vehicle Reduction Policy Ρ ASD P **GREENSHIP** Certified Building 4 ASD 1 Community Accessibility 1 ASD 2 **Bicycle** 3 ASD 3 Motor Vehicle Space Reduction 2 ASD 4 2 ASD 5 Landscaping 12 11,65% **EEC - Energy Efficiency and Conservation** EEC P **Energy Conservation Campaign** Ρ EEC 1 Simple Commissioning 2 2 EEC 2 **MVAC Control** EEC 3 **Lighting Power Density and Control** 5 2 EEC 4 **Energy Monitoring and Control** EEC 5 **Electrical Equipment and Appliances** 3 14 13,59% **WAC - Water Conservation** WAC P Water Conservation Campaign Ρ WAC 1 4 Water Fixtures WAC 2 Water Use Monitoring 2 WAC 3 Potable Water 2 8 7,77% MRC - Material Resource and Cycle MRC P1 Purchasing Policy MRC P2 Waste Management Policy Р MRC 1 Non ODS Usage 2 MRC 2 **Existing Material Conservation** 2 3 MRC 3 Certified Wood MRC 4 Low Environmental Impact Material 14 MRC 5 **Green Cleaning Agent** 2 MRC 6 Waste Management Practice 5 MRC 7 2B **Purchasing Practice** 28 27,18%

CRITERIA SUMMARY

Max Point Bonus Sub Code **CRITERIA Persentage** IHC - Indoor Health and Comfort. IHC P No Smoking Campaign Ρ **Outdoor Air Introduction** IHC 1 1 IHC 2 CO₂ Monitoring 2 IHC 3 **Chemical Pollutant** 9 IHC 4 **Indoor Pollutant Source Control** 2 IHC 5 1 Biological Pollutant IHC 6 Visual Comfort 3 IHC 7 2 Outside View and Daylight IHC8 Thermal Comfort 2 **2**B IHC 9 Acoustic Level 1 2 IHC 10 **Interior Plants IHC 11** Pest Management 1 IHC 12 Room Occupant Survey 3 29 28,16% BEM - Building Environment Management. BEM P **Green Training** Ρ 3 BEM 1 GA/GP as a Member of Project Team BEM 2 Green Fit Out Activity 5 BEM 3 Invention 4 **Green Activities** BEM 4 **2**B 12 11,65% **Total Maksimum Point (43 Criteria)** 100 % 103

BENCHMARK GREENSHIP IS Version 1.0 SUMMARY

propria	te Site Development		129
ASD P	MOTOR VEHICLE REDUCTION POLICY		
Aim			
	To create awareness of the importance in using public transportation to the environment		
Benchr	mark		
1	The availability of a written statement encompassing commitment and approval from top/executive management, to perform various actions in reducing the usage of private vehicles	Р	P
2	Demonstrate efforts to reduce the usage of private vehicles by using campaigns such as: sticker, poster, e-mail.	Р	
ASD 1	GREENSHIP CERTIFIED BUILDING		
Aim	·		
	To encourage the management to choose a building which already applied green technology and concept		
Benchr	mark		
1A	Choose a building which in the process of GREENSHIP certification	2	
	or		4
1B	Choose a GREENSHIP certified building	4	
ASD 2	COMMUNITY ACCESSIBILITY		
Aim			
	To encourage in choosing a space within a building which has connectivity and accessibility to the user in daily operational activity		
Benchr	mark		
	Building to reach at least 7 types of public facilities from the main road as far as 1500 m from the site.	1	2
ASD 3	BICYCLE		
Aim			
	To encourage user to use bicycle and reduce the use of private motor vehicles		
Benchr	mark		
1	Demonstrate effort to support bicycle activities by giving incentives to the employee	1	
2A	The availability of a secure bicycle parking lot within 200 m from building entrance, 1 unit per 20 employee (20 unit maximum)	1	3
	or		
2B	If point 1 above is met and provide special room to change clothes and bathroom for bicycle users within 200 m from building entrance for every 10 bicycle parking lots.	2	

ASD 4	MOTOR VEHICLE SPACE REDUCTION		
Aim			
	To reduce the use of private motor vehicles		
Benchm	nark		
1	Building location near the bus stop or public transport station within 300 m from the building gate.	1	
2	Not to provide a parking reservation lot for private motor vehicles	1	
ASD 5	LANDSCAPE		
the tenar	nt management do not have a control over terrace/ balcony/wall/ yard usage, then t ble"	the credit	become
Aim			
	To increase the willingness in creating a natural built environment		
Benchm	nark		
1	Provide plants at terrace/ balcony/wall/ yard of at least 5% of the total terrace/ balcony/wall/ yard area	1	3
2	Provide plants at terrace/ balcony/wall/ yard of at least 10% of the total terrace/ balcony/ wall/ yard area.	2	3
	SUB TOTAL		12

ergy E	fficiency and Conservation		14%
EC P	ENERGY CONSERVATION CAMPAIGN		
Aim			
	To create an energy conservation awareness		
Bench	mark		
	The availability of a written statement encompassing commitment and approval from top/executive management, to perform various actions in energy conservation by:		
1A	Energy conservation campaign, such as: sticker, poster, e-mail.	Р	Р
	or		
1B	Institutional policies in a form of designation /team establishment / personnel task force responsible for energy savings, along with job descriptions.		
EC 1	SIMPLE COMMISSIONING		
Aim			
	To pursue energy savings by conducting trials and commissioning / preparatory to the critical systems inside the building.		
Bench	mark		
1A	Perform testing and commissioning independently to cooling system integrated with the main building, power equipment, lighting in user area. Users to provide information of testing and commissioning results that affect the performance of the main building to the main building manager.	2	
	or		
1B	Perform testing and commissioning independently to air cooling system separated with the main building systems, power equipment, and lighting in user area.	2	2
	or		
1C	Choose a building that routinely perform testing and commissioning and request for the testing and commissioning result	2	
EC 2	MVAC SYSTEM CONTROL		
Aim			
	To conduct an energy saving in MVAC system		
Bench			
1	Choose building that use Air Conditioning system with maximum standard eficiency of:	2	2

	AC System	Equipment types	Maximum efficiency (kW/TR)		
	Water cooled	Recip/screw chiller	0.851		
	Air cooled	centrifugal chiller Recip/screw chiller	0.626 1.220		
	unitary	split VRV	1.416 1.004		
		or	1.004		-
2	Choose or compl		nced control for energy eficiency.	2	
EC 3	LIGHTING POWE	R DENSITY AND CONTROL			
Aim					
	To create an awa	reness for the importance of e	nergy savings.		
Bench		·			
1A		gs in lighting systems with more ver,as listed in SNI 03 6197-200	e efficient lighting power of the 00 of Energy Conservation in	1	
		or			
1B		gs in lighting systems with more ver, as listed in SNI 03 6197-20	e efficient lighting power of the 00 of Energy Conservation in	2	
		or			5
1C	_	gs in lighting systems with more ver, as listed in SNI 03 6197-20	e efficient lighting power of the 00 of Energy Conservation in	3	3
2A	Use 100% electro	onic ballast		1	
		or		·	
2B		chmark and using integrated li r and / or individual control to	ghting sensor and / or integrated save energy.	2	
EC 4	ENERGY MONITO	ORING AND CONTROL			
Aim					
	To support the m control.	nonitoring procedures, recordin	ng and energy consumption		
Bench	mark				
1	Record regular m least for the last		llection on the kWh meter of at	1	
2		nergy use in form of Energy Dis ublic areas are areas that are a		1	2

EEC 5	ELECTRICAL EQUIPMENT AND APPLIANCES		
Aim			
	To encourage the use of energy-efficient electrical appliances.		
Bench	mark		
1A	Use electrical equipment labeled "energy efficient", minimum 25% of the total power (Watt) of electrical equipment	1	
	or		
1B	Use electrical equipment labeled "energy efficient" minimum 50% of the total power (Watt) of electrical equipment	2	3
	or		
1C	Use electrical equipment labeled "energy efficient" minimum 75% of the total power (Watt) of electrical equipment	3	
	SUB TOTAL		14

ater Con	servation				219
VAC P1	WATER CONSERVATION CAMPAIGN				
Aim					
	To establish policies for water conservati	ion efforts in wat	er use management		
Benchm	system.				
Delicilii	Ī				
	The availability of a written statement er from top/executive management, to per		• • •		
	conservation by:				
1A	Water conservation campaign, such as: s	ticker, poster, e-	mail.	P	Р
	0	r			
1B	Institutional policies in a form of design task force responsible for water conserv		• •		
WAC 1	WATER FIXTURES		· ·		
the tenar	nt management do not have a control over	r water fixtures p	urchasing, then the cred	it becom	e "not
ailable".					
Aim					
	To encourage manajement to use high e	efficiency water fi	xtures as an effort to		
	reduce water use				
Benchm	T				
1A	Minimum 75 % of water fixtures in the tenant area to have a maximum output capacity below standard according to the table below:			2	
	0	r			4
1B	All of water fixtures in the tenant area to below standard according to the table be		n output capacity	4	
	Water Fixtures	Standard Use	Unit		
	Toilet				
	Flush Valve	6	I/flush		
	Flush Tank	6	\/flush		
	Urinal Flush Valve	4	\/flush		
	Wall Mount Faucet	8	l/menit		
	Wastafel Faucet	8	l/menit		
	Shower	9	l/menit		
	Commercial Prerinse Spray Valves (for food service applications)	6	l/menit		
WAC 2	WATER USE MONITORING				
the tenar	nt management do not have a control over	water distribution	a system then the cred	it hocomo	"not

Aim			
	To monitor and control the water use and plumbing fixture units condition at tenant area		
Benchm	ark		
1	The availability of water metering within the tenant area, so as the management will have the information of water consumption level	1	2
2	The availability of monitoring and controlling system including periodic inspection of plumbing system to prevent leakage and wastage of water by showing the water consumption.	2	2
WAC 3	POTABLE WATER		
Aim			
	To reduce the dependence of bottled water to reduce its carbon footprint, solid waste, packaging and maintaining the health care for workers.		
Benchm	ark		
	Provide drinking water treatment with water purification process, to meet employees' drinking water needs within the tenant area, in accordance with Minister of Health Decree No. 492/2010 of Drinking Water Quality Requirements	2	2
	SUB TOTAL		8

	esource and Cycle		27%
MRC P	PURCHASING POLICY		
Aim			
	To make an effort to use material and / or products that has a life cycle with		
	low ecological footprint.		
Benchn	nark		
	Represent a statement letter encompassing the policy commitment from top management to prioritize the procurement of materials and environmentally friendly products: a. Used material that are suitable to be reused b. Material or product from renewable resources (short-term harvest time and easy to decompose) c. Recycled material d. Material or product with environmental management system process e. Material which its primary raw material originated and/or fabricated within 1.000 km radius from the project site f. Material which its primary raw material originated and/or fabricated within Indonesia. g. Non toxic or non harzardous material. h. Offsite pre-fabricated production process material i. Material with environmentally friendly features	Р	Р
/IRC P2	WASTE MANAGEMENT POLICY		
Aim			
	To make an effort in reducing negative effect from waste by implementing environmentally friendly waste management		
Benchn	nark		
1	Represent a statement letter encompassing the policy commitment from top management in regulating waste management based on the segregation between: a. Organic waste, b. Inorganic waste, and c. Hazardous waste	Р	Р
2	Campaign which encourage material reduction and to implement waste segregation, such as through sticker, poster, e-mail.		
VIRC 1	NON ODP USAGE		
Aim			
	To encourage the use of non ozon depletion potential (Non-ODP) refrigerant		
Benchn	nark		
1A	Choose a building that use the entire air conditioning system with Non-ODP refrigerant materials (ODP = 0)	2	
		1	1
	or		2

MRC 2	EXISTING MATERIAL CONSERVATION			
Aim				
	To extend the life cycle of existed finishing or furnishing material within building interior prior to fit out activities			
Benchm				
	Reusing minimum 10 % of the finishing material which has been used by previous users/tenant from the total finishing material usage based on MRC 2 calculator.			
1A	or			
	Reusing minimum 20 % of the finishing material which has been used by previous users/tenant from the total finishing material usage based on MRC 2 calculator.	2		
	or		2	
	Reusing minimum 10 % of the furnishing material which has been used by previous users/tenant from the total furnishing material usage based on MRC 2 calculator.	1		
1B	or			
	Reusing minimum 20 % of the furnishing material which has been used by previous users/tenant from the total furnishing material usage based on MRC 2 calculator.	2		
VIRC 3	CERTIFIED WOOD			
Aim				
	Avoid using wood from illegal logging activities.			
Benchm	ark			
1	Use 100% certified wood for finishing and furnishing material, such as FAKO or FAKB certified	1	3	
2	If point 1 is complied and minimum 50% of wood are LEI or FSC certified	2		
MRC 4	LOW ENVIRONMENTAL IMPACT MATERIAL			
Aim				
	To encourage the use of low Environmental impact material.			
Benchm				
	Use environmentally friendly material or product for finishing based on material calculator			
1	Minimum 20% of total material	2		
	Minimum 40% of total material	4		
	Minimum 70% of total material	7	14	
	Use environmentally friendly material or product for furnishing based on material calculator		14	
2	Minimum 20% of total material	2		
	Minimum 40% of total material	4		
	Minimum 70% of total material	7		
	Environmentally friendly criteria include :			
	a. Reused Material.			
	b. Renewable Material.			

	c. Recycled Material.		
	d. Material or product with environmental management system production		
	process		
	e. Regional Material		
	f. Pre fab or modular system material		
	g. Material with environmentally friendly features		
MRC 5	GREEN CLEANING AGENT		
Aim			
	To encourage the use of environmentally friendly cleaning agents		
Benchm	ark		
	Use Environmentally friendly cleaning product for finishing and furnishing		
1A	material based on material calculator:		
	minimum 40% of total cleaning products	1	
	minimum 60% of total cleaning products	2	
	or,		2
	Coordinate with third parties for the provision of cleaning services using		_
	environmentally friendly cleaning products for finishing and furnishing material		
1B	based on MRC 5 calculator		
	minimum 40% of total cleaning products	1	
	minimum 60% of total cleaning products	2	
	Environmentally friendly criteria include :		
	a. Material or product with environmental management system production		
	process		
	b. Non hazardous and non toxic		
	c. Material with environmentally friendly features.		
	Scope of cleaning product: used only for maintenance of furnishing and		
	finishing materials		
MRC 6	WASTE MANAGEMENT PRACTICE		
Aim			
	To implement waste management practices in reducing waste volume at landfill		
	and reducing environmental pollution.		
Benchm	ark		
	The availability of waste disposal facilities and waste collection divided into	1	
1	organic, inorganic, and hazardous waste.		
	Conduct organic waste management/teratment independently or in	1	
2	cooperation with official agencies of organic waste treatment.		_
3	Conduct inorganic waste management/treatment independently or in cooperation with official agencies of inorganic waste treatment.	1	5
<u> </u>	Conduct harzardous waste management/treatment such as lamp, computer		
4	hardware, battery in cooperation with official agencies of harzardous waste	2	
-	treatment.	_	
	DUDGUAGING DDAGTIGE		
MRC 7	PURCHASING PRACTICE		
MRC 7 Aim	PURCHASING PRACTICE		_
	To implement environmentally friendly product and material purchasing in daily		2 (bonus

	Use all the products made from environmentally friendly paper which comply with minimum 1 of 3 criteria bellow:	
	a. From recycle or renewable sources	1
1	b. LEI or FSC certified	1
1	c. Material or product with environmental management system production process	
	Scope: paper product that has a function as shopping bags, cardboard, paper paper based food and drink utensil, paper for stationery	towels,
	Use all the products made from environmentally friendly plastic which comply with minimum 1 of 3 criteria bellow:	
	a. From recycle or renwable source	1
2	b. LEI or FSC certified	
	c. Easily degradeable product	
	Scope: plastic product that has a function as shopping bags, cardboard, plastic food and drink utensil.	c based

door Hea	alth and Comfort		28%
IHC P	NO SMOKING CAMPAIGN		
Aim			
	To reduce indoor air pollution from cigarette smoke sources that will affect the health of the user, and to maintain the air quality within tenant area.		
Benchm	nark		
1A	The availability of a written statement encompassing commitment and approval from top/executive management to make the area smoking-free and not permitting any smoking room in all tenant area.	Р	
	No-smoking campaigns, signage to encompass the negative impact of smoking on smokers and the environment, using: stickers, posters, e-mail.	Р	Р
1B			
IHC 1	OUTDOOR AIR INTRODUCTION		
Aim			
	To maintain indoor air circulation and improve air quality by implementing outdoor air introduction		
Benchm	nark		
	Design showing minimum outdoor air introduction potential as stated in ASHRAE Standard 62.1-2007 of Ventilation for Acceptable Indoor Air Quality	1	1
IHC 2	CO2 MONITORING		
Aim			
	To monitor CO2 concentration in avoiding fresh air shortage to maintain health and the productivity of tenant user		
Benchm	nark		
1A	For a room with a high density (such as: ballroom / multipurpose room, meeting rooms, supermarkets / supermarket) equipped with a gas sensor installation of CO2, so that indoor CO2 concentration is below than 1,000 ppm. Sensors placed in the return air duct or 1.5 m above the floor near the water return grille	1	2
	or,		
1B	All rooms are equipped with a gas sensor installation of CO2, so that indoor CO2 concentration is below than 1,000 ppm. Sensors placed in the return air duct or 1.5 m above the floor near the water return grille	2	
IHC 3	CHEMICAL POLLUTANT		
Aim			
	To reduce indoor air pollution from hazardous material to maintain health and productivity of tenant user		
Benchm	nark		
1	Minimum 75% of ceiling use low volatile organic compound (VOC) and formaldehide material and comply with standard.	2	
2	Minimum 75% of interior wall use low volatile organic compound (VOC) and formaldehide material and comply with standard.	2	9

3	100% of interior floor use low volatile organic compound (VOC) and formaldehide material and comply with standard.	2	
4	Minimum 75% of loose furniture use low volatile organic compound (VOC) and formaldehide material and comply with standard.	2	
5	Not using materials which contain asbestos	1	
IHC 4	INDOOR POLLUTANT SOURCE CONTROL		
f the tena vailable".	nt management do not have control towards exterior access, then the credit becon	nes "not	
Aim			
	To prevent and control indoor pollutant sources in maintaining health of tenant user		
Benchma	ark		
1	Provide a preventive system to the particle / outdoor pollutants from entering through the door as the main route used regularly by the user, with a minimum width of 1.2 meters, and must be equipped with sanitary maintenance schedule plan for the prevention system.	1	
2	Separate certain rooms from the main room, use the barrier / partition and an automatic door, equipped with exhaust systems directly discharged out of the room and not mixed with the air duct (return air) in the main room.	1	2
	Note: Scope of certain rooms include: photocopy room, printing, janitor and kitchen (regular use)		
IHC 5	BIOLOGICAL POLLUTANT		
	nt management do not have a control over the air system, or the air system is relate ecome "not available".	tively nev	v; then
Aim			
	To reduce risk from indoor air biological pollutant to maintain health of tenant user		
Benchma	ark		
	Showed that all air suppy channel access for ventilation and air conditioning system was cleaned from dust, dirt, and mold before being occupied (after fitout construction is complete).	1	1
IHC 6	VISUAL COMFORT		
Aim			
	To promote the provision of good quality lighting within the workplace to increase tenant productivity and comfort		
Benchma	ark		
1	Use lighting system with illumination in accordance to SNI 03-6197-2000 of Energy Conservation in Lighting System.	1	
2	Provide individual reachable lighting settings (switch)of at least 90% of individuals, and or provide a lighting control system on multi-occupant room/area for all users	1	3

3	Provide integrated automatic curtains/blind to natural lighting control system	1	
IHC 7	Outside View and Daylight		
Aim			
	To provide connection between outdoor and indoor area to get the outside view and daylight for indoor, thus increase user comfort and productivity		
Benchm	ark		
1	75% floor area used is directed horizontally to outside view, restricted with transparent wall and if drawn a straight line, then the transparent wall with a lower threshold is at maximum of 0.90 m above the floor.	1	2
2	Optimal use of natural light to reach at least 75% of floor area used to get natural light intensity of at least 300 lux.	1	
IHC 8	THERMAL COMFORT		
Aim			
	To maintain the comfort of stabilized conditioned room temperature to improve user productivity.		
Benchm	ark		
1	Plotting and set up the conditioned room temperature in general, ie at a temperature of 25°C \pm 1°C and relative humidity of 60% \pm 10%.	1	
2	Provide individual air temperature control system for the convenience of room temperature in all multi-residential rooms in accordance with the needs and preferences of each group of users.	1	2
3	Use individual spot cooling.	2 (bonus)	
IHC 9	ACOUSTIC LEVEL		
Aim			
	To keep the noise level in the room at the optimal level.		
Benchm			
	The noise level at 90% of the area used is not more than, or in accordance with SNI 03-6386-2000, of Specification of noise level and buzz time in Building and Housing (the recommended design criteria).	1	1
HC 10	INTERIOR PLANTS		
Aim			
	To improve indoor environment quality and user productivity by using indoor plants.		
Benchm			
	Positioning the indoor plants with the following requirements:		
	a. Selected plants should be based on the indoor plants criteria.		
1	b. Creating an indoor plant maintenance plan for at least 3 years and ensured that the plant is used in a healthy condition, not become sources for disease, and not interfere with the user circulation path	2	2
		i	ı

IHC 11	PEST MANAGEMENT		
Aim			
	To prevent pest within the area, to prevent damage to user health and comfort.		
Benchm	ark		
1	Having and applying pest management, in a form of Standard Operating Procedures (SOPs) report for pest control on a regular basis with the principle: right ingredients, right dose / concentration, proper tools, precise time and applicator.	1	1
IHC 12	ROOM OCCUPANT SURVEY		
Aim			
	To measure user comfort in a room through a standardized survey, conducted to obtain information on how a building design influencing the room operating system.		
Benchm	ark		
1	Conduct a user comfort survey, no later than 6 months after construction work is completed. Issues to be covered: air temperature, room cleanliness, lighting levels, glare and noise levels.	1	_
2A	If the survey result states 60% of the total users are comfortable.	1	3
	or,		1
2B	If the survey result states 80% of the total users are comfortable.	2	
	SUB TOTAL		29

illding Er	nvironmental Management		12%
BEM P	GREEN TRAINING		
Aim			
	To establish policies regarding the implementation and training efforts to conserve resources and user health (public health) within the operations phase.		
Benchm	nark		
	Plan a training or have conducted training(s) for at least 50% of the total employees within the scope of behaviour changing, conserving resources and health issues.	Р	Р
BEM 1	GA/GP AS A MEMBER OF PROJECT TEAM		
Aim			
	To give direction(s) to the users in relation to green aspects, since the early phases of planning to the operational phase of project.		
Benchn	nark		
1	Conduct an educational series of green building issues, guided by minimum of one GA.	1	3
2	Involving certified and qualified GREENSHIP Professionals (GPs), since the planning phase and / or operational phases.	2	3
BEM 2	GREEN FIT OUT ACTIVITY		
Aim			
	To urge sustainable and environmentally friendly construction activities		
Benchn	nark		
1	Compare at least once, the current IS performance with design intent.	2	
2	Use ISO 14001 certified contractor or those who have implement Health, Safety, and Environment (HSE) program with a supervisor.	3	
	or,		
3A	Use a contractor who has a waste management system during construction or post construction, in terms of cleaning, sorting or manage the waste by coordinating with a third party.	1	5
3B	Use a contractor who has a noise control system and air quality management during construction and post construction phase.	1	
3C	Use a contractor who provides an environmentally friendly sanitation facility during construction and post construction phase.	1	
BEM 3	INVENTION		
Aim			
	To promote and encourage invention in technology and management applications which can support green building objectives.		
Benchm	nark		
1	Demonstrate the physical invention, in terms of technology which can improve the quality of interior space quantitatively, so as to increase the efficiency of existing strategies using other than stated GREENSHIP IS criteria(s)	2	4

2	Demonstrate the invention, in terms of management approach using other than stated GREENSHIP IS criteria(s)	2	
BEM 4	GREEN ACTIVITIES		
Aim			
	To increase environmental awareness of employees.		
Benchm	nark		
	Having a routine activity at least once a month in attempt to introduce or increase the environmental awareness of employees. Activities conducted are based on mutual agreement of all employees.	2	2 (bonus)
	SUB TOTAL		12
	Total Maximum Point		103