

CHECK LIST FOR GREEN BUILDING STANDARDS

Reference : Circular # 161, Application of Green Building Standards in the Emirate of Dubai,
Date 3rd of April 2008

Compliance Requirements as per following key standard points:-

Item #	Description	Remarks	
A	Energy :	Yes	No
1	Compliance with Thermal Insulation System and energy conservation methods adopted for air conditioned buildings.		
2	Central air conditioning units equipped with Energy Recovery Units and regulated air intake system.		
3	Selection of A/C unit with Energy Efficiency Ratio (EER) as per (ASHRAE 90.1 & 90.2)		
4	Use of programmable thermostats in public buildings, etc.		
5	Use of light and heat reflective colors on roofs.		
6	Preventive Maintenance of all A/C equipments (as per maintenance schedule)		
7	Whether Solar energy usage isolated from DEWA power supply along with safety measures.		
B	Environment and Internal Air Quality :	Yes	No
1	Applicable executive bylaws regarding Building internal ventilation as and per Local Order No. (11) of the year 2003.		
2	Paints & materials containing Non - Volatile Organic Compounds (VOC).		
3	Usage of Ozone friendly materials in A/C equipment, thermal insulation, foam & fire fighting equipments.		
C	Water :	Yes	No
1	Usage of Sewage Treatment Plant (STP) for treating Grey Water and reuse of treated water in flushing toilets and other usage not involving human direct contact.		
2	Water saving faucets designed to discharge less than 2 gpm and installing water regulating devices at appropriate locations in buildings.		

	3	Installation of two buttons flushing tanks in bathroom and usage of 1.6 gallons maximum capacity flushing tanks.		
	4	Drip irrigation methods for vegetation according to climate and seasonal conditions.		
D		Lighting :	Yes	No
	1	Usage of energy saving high performance lamps (exceptions for building like theatres, hotel function halls and other illumination demanding locations/installations). <i>For e.g. : Using Compact Fluorescent Lamp (CFL), dimmer type halogen lamps, linear/circular fluorescent lamps, High Pressure Sodium (HPS), metal halide lamps and Light Emitting Diodes (LED)</i>		
	2	Usage of Electronic Ballast instead of Magnetic Ballast.		
	3	Usage of Solar Power for connecting loads such as Land Scaping,		
E		Control Systems :	Yes	No
	1	Usage of motion/occupancy sensors and/or timers or dimmer system to control lighting & A/C in all buildings (option for Villas & Residential buildings)		
	2	Usage of motion/occupancy sensors and/or timers or dimmer system to control in lighting in the Corridors and Public Places in the Residential Buildings.		
	3	Switching lighting devices by using motion control devices, occupancy sensors, timer/dimmer control devices etc. for service & emergency stairs. In case of fire or emergency all emergency exits and stairs should be lit automatically as per the requirements of Dubai Civil Defense.		

Notes

1. The above checklist is meant to demonstrate the sustainability through prescriptive criteria and hence should be pursued during design, construction and operation
2. The checklist along with supporting documents/Green building report should be submitted as a part of NOC-BP process.
3. Evidence in support of implementation of the strategies should be provided at relevant phases.
4. All the strategies would be checked during final inspection