**BCA GREEN MARK CERTIFICATION SCHEME**

**(Gold & Certified Projects – To submit during Stage 1 verification;**

**GoldPlus & Platinum Projects – To submit during Stage 2 verification)**

**Building(s) Information:**

|  |  |
| --- | --- |
| Building name | Type project name …  |
| Reference No | GM0XXX/X/20XX |
| Address | Type project address … |
| Green Mark Standard | Green Mark for Non-residential Buildings (Version \_\_\_) |
| Type of Building | Office/Hotel/Retail/Mixed Development\* |
| GFA (m2) | xxxx |

**Building(s) Key Performance Data:**

|  |  |
| --- | --- |
| Type of A/C systems (Please Specify) |  |
| Air-conditioned floor Area | **m2** |
| Total Installed Cooling Capacity | **RT** |
| Building(s) cooling load (Average based on operation time as stipulated in Table 1a) | **RT** |
| Building(s) cooling load (Daytime operation, as stipulated in Table 1b )*(if info available , optional field to be filled in for version 4.1 and earlier)* | **RT** |
| Building(s) cooling load (Night time operation, as stipulated in Table 1b)*(if info available , optional field to be filled in for version 4.1 and earlier)* | **RT** |
| Specific cooling load (use aircon area, and Building cooling load average above) [A] | **W/m2** |
| Specific cooling load (use aircon area) [B][B] = $\frac{3517}{[A]}$  | **m2/ton** |
| Specific lighting Load (use GFA) | **W/m2** |
| Specific plug Loads (use GFA) | **W/m2** |
| Specific lighting and plug Loads (use GFA, summation of above) | **W/m2** |
| Air-conditioning system efficiency (Overall Chiller plant/ VRF/ Unitary system, including compressors, pumps and condenser fans’ power consumption)(Average based on operation time as stipulated in Table 1a) | **kW/RT** |
| Air-conditioning system air distribution efficiency(Average based on operation time as stipulated in Table 1a)*(if info available , optional field to be filled in for version 4.1 and earlier)* |  **kW/RT** |
| Total Building Energy Consumption\* [C]= [E] + [F](Actual annual electrical consumption from bills [E]:  \_\_\_\_\_\_\_\_ kWh/yr+ Renewable Energy Generation [F]: \_\_\_\_\_\_\_\_ kWh/yr, if renewable energy is directly feeding  to the building)[H] = [F] if all renewable generated is directly feed to the building consumption. | **kWh/yr** |
| Energy savings \* (include total  renewable energy) [G] | **kWh/yr** |
| Percentage energy savings#\* (include renewable energy) [G]/{[E]+[G]} | **%** |
| **E**nergy **E**fficiency **I**ndex (Actual) (Based on Operating Hours = \_  \_hr/wk) | **kWh/m2/yr** |
| **E**nergy **E**fficiency **I**ndex (Normalised)* Normalised to 55hrs unless otherwise stated.
* Adjusted if occupancy rate is <80% occupied.
 | **kWh/m2/yr** |
| Total Renewable energy generation [H][H] = [F] if all renewable generated is directly feed to the building consumption. | **kWh/yr** |
| Percentage replacement of building electricity consumption replaced by renewable energy [H]/[C] | **%** |
| *# Breakdown of % energy end-use in Appendix A**\* Information relevant to Goldplus and Platinum Projects only.*Table 1 a:

|  |  |
| --- | --- |
| **Building Type**  | **Operational Hours**  |
| **Office Buildings**  | Monday to Friday 9 a.m. to 6 p.m.  |
| **Retail Malls**  | Monday to Sunday 10 a.m. to 10 p.m.  |
| **Hotels**  | Monday to Sunday 24 Hours  |
| **Other Building Types**  | To be determined based on operating hours.Please specify:  |

Table 1 b:

|  |  |  |
| --- | --- | --- |
| **Building Type**  | **Daytime Operational Hours**  | **Night time Operational Hours**  |
| **Hotels**  | Monday to Sunday 7a.m. to 11p.m. | Monday to Sunday11p.m. to 7a.m.  |
| **Other Building Types**  | To be determined based on actual operation.Please specify:  | To be determined based on actual operation.Please specify:  |

Submitted by (Building(s) Owner):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Signature / Date Name:Designation:Organisation: |  |