**Please conduct a self-evaluation and fill in the points under the column: Score (Applicant). Submit the completed evaluation form with the application form and the supporting documents.**

|  |  |  |
| --- | --- | --- |
| **Name of Development** | **:** |  |
|  |  | *(as approved by the Street and Building Names Board)* |
| **Name of Contact Person** | **:** |  |
| **Contact Number** | **:** |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Assessment Criteria** | **Rationale / Description** | **Scoring basis** | | | | | **SCORE**  **(Applicant)** | **SCORE**  **(Assessor)** |
| **Note: If the development is required to declare ‘Not Applicable’ (NA) status from any of the criteria below, please provide supporting documents for consideration of exemption.** | | | | | | | | |
| **Part 1 – Greenery Provision and Design** | | | | | | | | |
| **1 – 1 Greenery Provision** | | | | | | | | |
| 1. Green Plot Ratio (entire site) | To encourage more greenery.  Green Plot Ratio (GnPR) is calculated by considering the 3D volume covered by plants using the prescribed Leaf Area Index (LAI).  Refer to **Annex A** for the calculation table and instructions. | 1.0 to <2.0: | 1 pt | | | |  |  |
| 2.0 to < 3.0: | 2 pts | | | |
| 3.0 to < 5.0: | 4 pts | | | |
| 5.0 to < 6.0: | 6 pts | | | |
| 6.0 to < 7.0: | 8 pts | | | |
| >7.0: | 10 pts | | | |
| Max. 10 pts | | | | |
| 1. Green Plot Ratio for buffer planting only (green buffer and peripheral planting verge) | To encourage planting of shade trees as well as lush landscaping within the green buffer and peripheral planting verges  Use the calculation for Green Plot Ratio. Refer to **Annex A** for the calculation table and instructions. | 10 to < 15: | 1 pt | | | |  |  |
| 15 to < 20: | 2 pts | | | |
| 20 to < 25: | 3 pts | | | |
| 25 to < 30: | 4 pts | | | |
| >30: | 5 pts | | | |
| Max. 5 pts | | | | |
| 1. Percentage of ground-level landscaped area | To recognise commitment of developers in allocating more spaces for greenery at ground-level.  Refer to **Annex A** for the calculation table and instructions. | 1.0 to <20%: | 1 pt | | | |  |  |
| 20-30%: | 2 pt | | | |
| 31-40%: | 4 pts | | | |
| 41-50%: | 6 pts | | | |
| 51- 60%: | 8 pts | | | |
| > 60%: | 10 pts | | | |
| Max. 10 pts | | | | |
| 1. Skyrise Greenery | To encourage skyrise greenery  Eg: Vertical green walls, balconies, planter boxes, terraces, rooftop garden, OG boxes, bin centres. | Fair: | 2 pt | | | |  |  |
| Average: | 4pts | | | |
| Good: | 6 pts | | | |
| Very Good: | 8 pts | | | |
| Excellent: | 10 pts | | | |
| Max. 10 pts | | | | |
| **1 – 2 Plant Materials** | | | | | | | | |
| 1. Native vs. Exotic | Native plants can provide habitats for native wildlife, and opportunities for environmental education  Plants include trees, shrubs, palms, aquatic plants, and ground cover.  Monoculture is not encouraged.  “Native” refers to local and those within South East Asia.  (Reference: <http://florafaunaweb.nparks.gov.sg>)  Refer to **Annex A** for the calculation table and instructions. | *Percentage of native plant species used* | | | | |  |  |
| 10 to <25% : | | 1 pt | | |
| 25% to <45%: | | 2 pts | | |
| 45% to <75%: | | 3 pts | | |
| >75%: | | 4 pts | | |
| Max. 4 pts | | | | |
| *Percentage of native plant species planted (Quantity)* | | | | |
| 10 to <25% : | | 1 pt | | |
| 25% to <45%: | | 2 pts | | |
| 45% to <75%: | | 3 pts | | |
| >75%: | | 4 pts | | |
| Max. 4 pts | | | | |
| 1. Plant quality | To source plants from accredited nurseries. List of accredited nurseries can be found in <https://www.cuge.com.sg/landscapeservices/Listing-of-Nursery-Accreditation-Scheme> | Yes: | | 2 pts | | |  |  |
| No: | | 0 pts | | |
| Max. 2 pts | | | | |
| **1– 3 Overall Landscape Design** | | | | | | | | |
| 1. Integration of landscaping with architectural design | To recognise efforts for creative landscaping design  The quality and extent of planting within the architectural space will determine the number of points awarded. | Corridors: | Up to 2 pts | | | |  |  |
| Lobbies: | Up to 2 pts | | | |
| Rooftop: | Up to 2 pts | | | |
| Ancillary structures: | Up to 2 pts | | | |
| Façade: | Up to 2 pts | | | |
| Max. 10 pts | | | | |
| **1—4 Sustainable Landscape Management** | | | | | | | | |
| 1. Ease of maintenance | Any proposed measures to ensure sustainable maintenance of the development  Eg. Choice of plants | Low impact measure: | | | | 1 pt |  |  |
| High impact measure: | | | | 3 pts |
| Max.7 pts | | | | |
| 1. Irrigation system | To encourage efficient irrigation methods, e.g. rainwater harvesting, soil moisture sensors etc. and have provision of water/irrigation plan | * Percentage of auto-irrigated landscaped area:   <50%: 1 pt  >50%: 2 pts   * Provision of rainwater storage tanks : 1 pt   Max. 3 pts | | | | |  |  |
| **Part 2 – Conservation** | | | | | | | | |
| **2 – 1 Retention of Existing Trees *(Pro-rated on case-by-case basis)*** | | | | | | | | |
| 1. Retain mature tree(s) of girth more than 1m measured 0.5m from the ground, at existing location(s) captured in topographic survey | To encourage retention of existing mature trees if they are suitable species. To encourage developers to propose innovative designs incorporating the mature tree(s).  Please include information on the percentage of existing trees retained against number of trees felled.  Refer to **Annex A** for the calculation table and instructions. | Information on existing trees (species, girth size etc.), indicating tree retention/felling: 1 pt  Efforts to retain/transplant existing trees: Up to 4pts  Actual retention of existing mature trees and quality of retained tree(s): Up to 5pts  Max. 10 pts | | | | |  |  |
| **2 – 2 Habitat Creation & Wildlife Species Enhancement** | | | | | | | | |
| 1. Consideration for original/existing flora and fauna within the site and/or its surroundings before development | Understanding of original site condition (eg. Existing flora and fauna) | Fair: | | | 1 pt | |  |  |
| Average: | | | 2 pts | |
| Good: | | | 3 pts | |
| Very good: | | | 4 pts | |
| Excellent: | | | 5 pts | |
| Max. 5 pts | | | | |
| 1. Biodiversity sensitive planting and design | To provide interest in form, structural diversity, food (berries and nectar), and shelter for wildlife. In landscaping, the use of horticultural varieties or artificial structures can still be beneficial.    To encourage planting of biodiversity attracting plants  (Reference: http://florafaunaweb.nparks.gov.sg) | Fair: | | | 2 pts | |  |  |
| Average: | | | 4 pts | |
| Good: | | | 6 pts | |
| Very good: | | | 8 pts | |
| Excellent: | | | 10 pts | |
| Max: 10 pts | | | | |
| **Part 3 – Education and Community** | | | | | | | | |
| **3 – 1 Education and Community** | | | | | | |  |  |
| 1. Interactive signage | To provide educational or interpretive elements (e.g., maps, models, brochures, signage, and video) that draw attention to and explain green features or processes of the site design, construction, operations, and/or maintenance.  This provides users and visitors opportunities to observe first-hand the physical design and landscape elements that contribute to sustainability. | Fair: | | | 1 pt | |  |  |
| Average: | | | 2 pts | |
| Good: | | | 3 pts | |
| Very good: | | | 4 pts | |
| Excellent: | | | 5 pts | |
| Max: 5 pts | | | | |
| 1. Implementation of community gardening initiatives | To provide space for community initiatives | Fair: | | | 1 pt | |  |  |
| Average: | | | 2 pts | |
| Good: | | | 3 pts | |
| Very good: | | | 4 pts | |
| Excellent: | | | 5 pts | |
| Max: 5 pts | | | | |
| **Part 4 – Bonus** | | | | | | | | |
| 1. Provision of additional buffer planting (green buffer and peripheral planting verge) | To encourage providing a wider buffer and planting verge above what is required under NParks’ regulation.  *Current requirements:*  *Green buffer – 3m or 5m*  *Peripheral planting verge – 2m*   |  |  | | --- | --- | | **Excess buffer provided** | **X 100%** | | **Minimum green buffer required** | | 1 to <5%: | 1 pt | | | |  |  |
| 5 to < 10% | 2 pts | | | |
| 10 to <15% | 3 pts | | | |
| 15 to <20% | 4 pts | | | |
| >20% | 5 pts | | | |
| Max: 5 pts | | | | |
| 1. Stormwater management | To encourage ABC features within the development  E.g.: Bio retention system | Nil: | | | | 0 pt |  |  |
| Applied/Achieve certification: | | | | 2 pts |
| Max: 2 pts | | | | |
| 1. Innovation | To encourage the use of other green features which are innovative and have positive environmental impact.  E.g.: Carbon sequestration | Low impact item | | | | 1 pt |  |  |
| High impact item | | | | 3 pts |
| Max.: no limit | | | | |
| 1. Sensitivity to environment | To commend efforts by developers who have a social responsibility to develop sensitively around the site.  E.g.: Provision of biodiversity impact study, proposed mitigating measures | Low impact item | | | | 1 pt |  |  |
| High impact item | | | | 3 pts |
| Max.: no limit | | | | |
| **GRAND TOTAL** | | | | | | | **#** |  |

*For sites where certain conditions are not applicable, points will be pro-rated accordingly.*

**Annex A**

1. **Function: Calculate Green Plot Ratio (GnPR)**

* Applicable to criterion 1-1 (i) and 1-1 (ii)
* Find out your plant species’ values for (A) and (B) using <http://florafaunaweb.nparks.gov.sg>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Unit** | **Sub category** | **LAI Value** | **Canopy Area/m2** | **Qty/Planted area** | **LEAF Area** |
| **(A)** | **(B)** | **(C)** | **(A)x(B)x(C)** |
| Trees | no | Open Canopy | 2.5 | 60 | no |  |
| no | Intermediate Canopy | 3.0 | 60 | no |  |
| no | Dense Canopy | 4.0 | 60 | no |  |
| no | Intermediate columnar canopy | 3.0 | 12 | no |  |
| Trees | m2 | Planted at ≤ 2.0m trunk to trunk |  | NA | m2 |  |
| Palms | no | Solitary | 2.5 | 20 | no |  |
| no | Cluster | 4.0 | 17 | no |  |
| Palms | m2 | Solitary(trunk to trunk ≤2m) | 2.5 | NA | m2 |  |
| Shrubs | m2 | Monocot | 3.5 | NA | m2 |  |
| m2 | Dicot | 4.5 | NA | m2 |  |
| Turf | m2 | Turf | 2.0 | NA | m2 |  |
| Vertical greenery | m2 |  | 2.0 | NA | m2 |  |
| **Total Leaf Area :** | | | | | |  |

Calculation formula:

|  |  |
| --- | --- |
| **GnPR =** | **Total leaf area** |
| **Total area of entire site** |

1. **Function: Calculate the ground level landscaped area**

* Applicable to 1-1 (iii)

Calculation formula:

|  |  |  |  |
| --- | --- | --- | --- |
| **Ground Level Landscaped Area** | **=** | **Total Green Area** | **X 100%** |
| **Site Area** |
|  |  |  |  |
|  | **=** | **\_\_\_\_\_%** |  |

1. **Function: Calculate the percentage of native plants species used and quantity of species planted**

* Applicable to 1-2(i)

Fill in the table below and calculate the percentage using the formula below.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **List of Native Plant Species** | **Native** | **Exotic** |
|  | **Tree and palms** |  |  |
| 1. | *(Name of plant – add more rows/slides if required)* | # (Qty) |  |
| 2. |  |  | # (Qty) |
| 3. |  |  |  |
| 4. |  |  |  |
|  |  |  |  |
|  | **Shrub and ground covers** |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
|  | **Subtotal (Quantity) :** |  |  |
|  | **Percentage (Quantity):** |  |  |
|  | *Quantity refers to the number of plants planted for each selected specie.* |  |  |

The formula below calculates the percentage of species selected.

|  |  |  |  |
| --- | --- | --- | --- |
| Percentage of Native Species used | = | No. of selected native species | X 100 |
| Total number of species selected |
|  | = | \_\_\_\_\_ % |  |

1. **Function: Calculate percentage of trees retained on site**

* Applicable to 2-1(i)

Calculation formula:

|  |  |  |  |
| --- | --- | --- | --- |
| Percentage | = | # of trees retained | X 100% |
| Total # of trees on site |
|  | = | \_\_\_\_ % |  |

**End**