**Part 1 Energy Efficiency**

**TS 1-1 Energy Efficiency for Infrastructure and Public Amenities**

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| Actual Assessment Submission | **☐** | Site Verification Submission | **☐** |

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| Criteria | Credit Available | Credit Claimed |
| Site wide energy modelling or calculation | 10 |  |

**Strategies:**

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**Declaration:**

I hereby declare that the information provided for this submission is truthful and accurate to be best of my knowledge at the time of submission:

Date of Submission:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROJECT NAME** |  | | |  |
| **SUBMITTING PROFESSIONAL** | NAME | DESIGNATION | COMPANY | SIGNATURE |
| **CLIENT** | NAME | DESIGNATION | COMPANY | SIGNATURE |

**Documentary Evidences:**

***Order of documents to be submitted accordingly and clearly labeled.***

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|  | Actual Assessment | Submitter | Assessor |
|  | *Carbon calculation* |  |  |
| 1. | Detailed calculation for the estimated energy load for each component in the building etc.: lighting, air conditioning system, pump, receptacle load. |  |  |
| 2. | Technical product information on the energy efficient features. |  |  |
| 3. | Summary tabulation of estimated total energy saving of the development for the year. |  |  |
| 4. | Carbon emission calculation. |  |  |
| 5. | Confirmation that pre-requisite requirement has been fulfilled. |  |  |
|  | *Energy Improvement* |  |  |
| 1. | Extracts of tender specification showing provision of related mechanical & electrical features, relevant chiller system & its permanent monitoring instrumentation. |  |  |
| 2. | Detailed calculations of the overall improvement in equipment/system efficiency of the air-conditioning plants, street lighting/landscape lighting, water pumps, mechanical fans and lift / escalator. |  |  |
| 3. | All related layout and schematic drawings for air conditioned system, lighting, water pumps, mechanical fans and lift / escalator. |  |  |
| 4. | Calculation of the Energy Efficiency Index (EEI) using the pre-determined daily usage pattern and in the prescribed tabulated format. | **☐** | **☐** |
| 5. | Detail calculation including operation hours for the estimated energy load for each component in the building etc.: lighting, air conditioning system, pump, receptacle load. | **☐** | **☐** |
| 6. | Technical product information on the energy efficient features. | **☐** | **☐** |
| 7. | Simulation report of the side wide energy modelling simulation for township (if applicable). |  |  |

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|  | Site Verification | Submitter | Assessor |
| 1. | Detailed carbon calculation. |  |  |
| 2. | Detailed calculations of the overall improvement in equipment/system efficiency of the air-conditioning plants, street lighting/landscape lighting, water pumps, mechanical fans and lift / escalator. |  |  |
| 3. | All related as-built layout and schematic drawings showing of implementation energy efficiency features for air conditioned system, lighting, water pumps, mechanical fans and lift / escalator. |  |  |
| 4. | Tabulation of energy saving from use of all related energy efficiency feature supported by electricity bill. | **☐** | **☐** |
| 5. | Technical product information on the energy efficient features with its purchase and delivery order. | **☐** | **☐** |
| 6. | Simulation report of the side wide energy modelling simulation for township (if applicable). |  |  |
| 7. | Describe any deviations or changes to the AA submission. |  |  |