Part 1   Energy Efficiency

TS 1-1   Energy Efficiency for Infrastructure and Public Amenities

Actual Assessment Submission   ☐   Site Verification Submission   ☐

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

Strategies:

Documentary Evidences:

Order of documents to be submitted accordingly and clearly labeled.

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). ☐ ☐

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. ☐ ☐