

Part 1 Energy Efficiency

NRB 1-10 Energy Efficient Practices & Features

Actual Assessment Submission ☐Site Verification Submission ☐

Criteria	Credit Available	Credit Claimed
(a) Building Energy Intensity (BEI) computation	1	
(b) Use of vertical greenery system on east and west facade to reduce heat gain through building envelope	1	
(c) Installation of sub meter in switchboard for each service system	1	
(d) Use of energy efficient features	1	

Strategies:

Documentary Evidences:

Order of documents to be submitted accordingly and clearly labeled.

Actual Assessment	Submitter	Assessor
<i>(a) Building Energy Intensity (BEI) computation</i>		
1. Calculation of the Building Energy Intensity (BEI) using the pre-determined daily usage pattern.	<input type="checkbox"/>	<input type="checkbox"/>
2. Detail calculation including operation hours for the estimated energy load for each component in the building etc.: lighting, air conditioning system, pump, receptacle load.	<input type="checkbox"/>	<input type="checkbox"/>
3. Technical product information and related drawing on the energy efficient features.	<input type="checkbox"/>	<input type="checkbox"/>
4. List of the assumption for the BEI calculation	<input type="checkbox"/>	<input type="checkbox"/>
<i>(b) Use of vertical greenery system on east and west facade to reduce heat gain through building envelope</i>		
1. Landscape plan layout showing the vertical greenery provision and building elevation.	<input type="checkbox"/>	<input type="checkbox"/>
2. Calculation showing the extent of the vertical greenery provision over the east and west façade areas.	<input type="checkbox"/>	<input type="checkbox"/>
<i>(c) Installation of Sub-Meter in Switchboards</i>		
1. Electrical schematic drawings which show the location of the sub-meter on the main switchboard and on the small switchboard for each service of ≥ 100 kVA (TCL).	<input type="checkbox"/>	<input type="checkbox"/>
<i>(d) Use of energy efficient features</i>		
1. Extracts of the tender specification showing the provision of the proposed energy efficient features and the extent of implementation where applicable.	<input type="checkbox"/>	<input type="checkbox"/>

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| 2. | Technical product information and related drawing on the energy efficient features used. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. | Calculation of the percentage energy saving that could be reaped from the use of these features. | <input type="checkbox"/> | <input type="checkbox"/> |

Site Verification	Submitter	Assessor
<i>(a) Building Energy Intensity (BEI) computation</i>		
1. Updated calculation of the Building Energy Intensity (BEI) based on actual consumption.	<input type="checkbox"/>	<input type="checkbox"/>
2. Updated calculation including operation hours for the estimated energy load for each component in the building etc.: lighting, air conditioning system, pump, receptacle load.	<input type="checkbox"/>	<input type="checkbox"/>
3. Technical product information and related drawings on the energy efficient features with purchase and delivery orders.	<input type="checkbox"/>	<input type="checkbox"/>
4. Electricity bill for at least 6 months of operation.	<input type="checkbox"/>	<input type="checkbox"/>
5. Actual EMS / BMS print-outs (where applicable).	<input type="checkbox"/>	<input type="checkbox"/>
6. Describe any deviation or changes to AA submission.	<input type="checkbox"/>	<input type="checkbox"/>
<i>(b) Use of vertical greenery system on east and west facade to reduce heat gain through building envelope</i>		
1. As-built landscape layout plan showing the vertical greenery provision and building elevation.	<input type="checkbox"/>	<input type="checkbox"/>
2. Calculation showing the coverage area of the vertical greenery provision over the east and west façade areas.	<input type="checkbox"/>	<input type="checkbox"/>
3. Photographic evidences.	<input type="checkbox"/>	<input type="checkbox"/>
4. Describe any deviation or changes to AA submission.	<input type="checkbox"/>	<input type="checkbox"/>
<i>(c) Installation of Sub-Meter in Switchboards</i>		
1. Electrical schematic drawings which show the location of the sub-meter on the main switchboard and on the small switchboard for each service of ≥ 100 kVA (TCL).	<input type="checkbox"/>	<input type="checkbox"/>

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| 2. Describe any deviation or changes to AA submission. | <input type="checkbox"/> | <input type="checkbox"/> |
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(d) Use of energy efficient features

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| 1. Extracts of the tender specification showing the provision of the proposed energy efficient features and the extent of implementation where applicable. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Technical product information and related drawing on the energy efficient features used. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Calculation of the percentage energy saving that could be reaped from the use of these features. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Photographic evidences. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Describe any deviation or changes to AA submission. | <input type="checkbox"/> | <input type="checkbox"/> |