

# MyCREST Building Rating System

Malaysian Carbon Reduction and Environmental Sustainability Tool



Project Details	
Project Name	
Project Location	
Building Rating	Existing Building with EE features
Project Gross Floor Area*	m <sup>2</sup>
Building Type	Air-Conditioned Building
Building Categories	Offices
ICSAS Rating Stage	Design Stage
	Construction stage
	Operation & Maintenance Stage
Date	23 Julai 2014

\*GFA must exclude Car Parks

## Design Stage

Criteria	Credit Points Available	Design Points	
		Target Points	Achieved Points
PD - Pre-Design	6	0	0
IS - Infrastructure and Sequestration	28	0	0
EP - Energy Performance Impacts	65	0	0
OH - Occupant & Health	4	0	0
EC - Lowering the Embodied Carbon	16	0	0
WE - Water Efficiency Factors	8	0	0
SC - Social and Cultural Sustainability	5	0	0
DP - Demolition & Disposal Factors	3	0	0
IN - Sustainable and Carbon Initiatives (Bonus Points)	7	0	0
<b>TOTAL POINTS (CORE)</b>	<b>142</b>	<b>0</b>	<b>0</b>

## Design Elective Points - Healthcare

Criteria	Credit Points Available	Design Points	
		Target Points	Achieved Points
Infrastructure and Sequestration	2	0	0
Occupant & Health	3	0	0
Lowering the Embodied Carbon	1	0	0
<b>TOTAL POINTS (ELECTIVE)</b>	<b>6</b>	<b>0</b>	<b>0</b>

Design Stage Certification (Target Points)	0	0.0%	NO RATING
--	---	------	-----------

Design Stage Certification (Achieved Points)	0	0.0%	NO RATING
--	---	------	-----------

## Construction Stage

Criteria	Credit Points Available	Construction Points	
		Target Points	Achieved Points
IS - Infrastructure and Sequestration	19	0	0
EP - Energy Performance Impacts	58	0	0
OH - Occupant & Health	6	0	0
EC - Lowering the Embodied Carbon	27	0	0
WE - Water Efficiency Factors	7	0	0
SC - Social and Cultural Sustainability	5	0	0
DP - Demolition & Disposal Factors	4	0	0
IN - Sustainable and Carbon Initiatives (Bonus)	7	0	0
<b>TOTAL POINTS (CORE)</b>	<b>133</b>	<b>0</b>	<b>0</b>

Construction Stage Certification (Target Points)	0	0.0%	NO RATING
--	---	------	-----------

Construction Stage Certification (Achieved Points)	0	0.0%	NO RATING
--	---	------	-----------

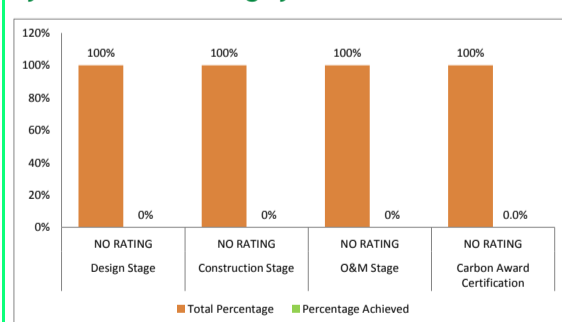
## Operation & Maintenance Stage

Criteria	Credit Points Available	Operation & Maintenance Points	
		Target Points	Achieved Points
IS - Infrastructure and Sequestration Management	15	0	0
EP - Energy Performance Impacts	59	11	0
OH - Occupant & Health	1	1	0
EC - Lowering the Embodied Carbon	2	0	0
WE - Water Efficiency Factors	12	0	0
WM - Waste Management and Reduction	10	0	0
FM - Sustainable Facility Management	7	0	0
IN - Sustainable and Carbon Initiatives (Bonus Points)	7	0	0
<b>TOTAL POINTS (CORE)</b>	<b>113</b>	<b>12</b>	<b>0</b>

Operation & Maintenance Stage Certification (Target Points)	12	10.6%	NO RATING
---	----	-------	-----------

Operation & Maintenance Stage Certification (Achieved Points)	0	0.0%	NO RATING
---	---	------	-----------

## MyCREST Final Rating System



Total Credit Score (%)	MyCREST Rating
80 - 100 (%)	5 Star
70 - 79 (%)	4 Star
60 - 69 (%)	3 Star
50 - 59 (%)	2 Star
40 - 49 (%)	1 Star

Project Phase	Maximum Carbonized Scoring (%)	Target Points		Achieved Points	
		Target Primary Rating Scoring	Total Carbonized Score	Achieved Primary Rating Scoring	Total Carbonized Score
Design Certification	0%	0.0%	0%	0.0%	0.0%
Construction Certification	0%	0.0%	0%	0.0%	0.0%
O&M Certification	0%	10.6%	0%	0.0%	0.0%

MyCREST Final Certification (Target Star)	NO RATING	0.0%
---	-----------	------

MyCREST Final Certification (Achieved Star)	NO RATING	0.0%
---	-----------	------

<b>CARBON AWARD LABEL</b>	(To be filled by Assessor)
---------------------------	----------------------------

\*\* Involve 1 year value \* Involve once per building lifespan

## Design Stage

Design Carbon Calculator	Carbon Emission	Carbon Capture	Carbon Offset
Operation Carbon			
i- Operating Energy **	-		
ii- Water Usage **	-		
<b>Embodied Carbon</b>			
i- LCA Materials *	-		
<b>Carbon Sequestration</b>			
i- Site Conservation **		-	
<b>Carbon Offset</b>			
i- Renewable Energy **			-
<b>Avoided Carbon Emission</b>			
i- Demolition & Disposal *			-
ii- Building Reuse *			-
<b>tCO2e per year**</b>	-	-	-
<b>tCO2e*</b>	-	-	-

Total Carbon Emission Assessment (TCarbon)	Total Carbon (tCO2e)	Carbon Intensity per sq.m (tCO2e/m2)
Estimated Operational Carbon	0.00	#DIV/0!
Estimated Embodied Carbon	0.00	#DIV/0!

## Construction Stage

Construction Carbon Calculator	Carbon Emission	Carbon Capture	Carbon Offset
Operation Carbon			
i- Operating Energy (Verification)**	-		
ii- Water Usage (Verification) **	-		
<b>Embodied Carbon</b>			
i- Construction Machinery *	-		
ii- Construction Waste Management *	-		
iii- Electricity use during Construction*	-		
iv- Water Usage during Construction*	-		
v- Materials Transportation *	-		
vi- LCA Materials *	-		
<b>Carbon Sequestration</b>			
i- Site Conservation **		-	
<b>Carbon Offset</b>			
i- Renewable Energy **			-
<b>Avoided Carbon Emission</b>			
i- Demolition & Disposal *			-
ii- Building Reuse *			-
<b>tCO2e per year**</b>	-	-	-
<b>tCO2e*</b>	-	-	-

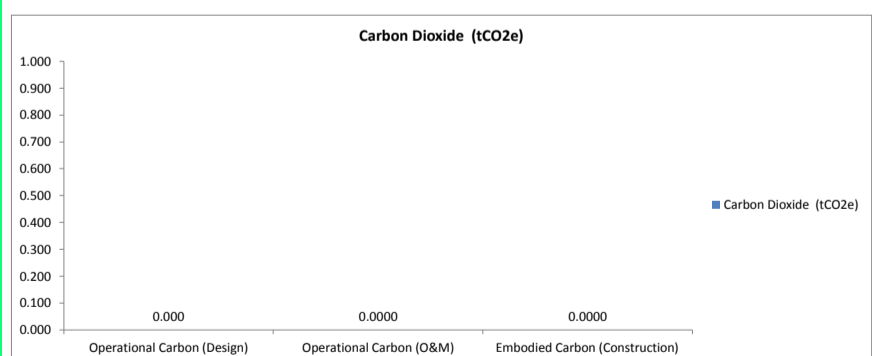
Total Carbon Emission Assessment (TCarbon)	Total Carbon (tCO2e)	Carbon Intensity per sq.m (tCO2e/m2)
Verified Operational Carbon	0.00	#DIV/0!
Actual Embodied Carbon	0.00	#DIV/0!

## Operation & Maintenance Stage

Operation & Maintenance Carbon Calculator	Carbon Emission/Capture/Offset	Carbon Capture	Carbon Offset
Operation Carbon			
i- Operating Energy **	-		
ii- Water Usage **	-		
iii- Staff Transportation **	-		
iv- Low-Emitting Vehicles **	-		
v- Waste Management **	-		
<b>Carbon Sequestration</b>			
i- Site Conservation **		-	
<b>Carbon Offset</b>			
i- Renewable Energy **			-
<b>tCO2e per year**</b>	-	-	-

Total Carbon Emission Assessment (TCarbon)	Total Carbon (tCO2e)	Carbon Intensity per sq.m (tCO2e/m2)
Actual Operational Carbon	-	#DIV/0!

## Annual Total Carbon (TCarbon)



## Total Carbon Emission (TEmission)

Phase	Carbon Dioxide (tCO2e)	Carbon Intensity per sq.m (tCO2e/m2)
Operational Carbon (DESIGN)	0.000	#DIV/0!
Operational Carbon (O&M)	0.000	#DIV/0!
Embodied Carbon (CONSTRUCTION)	0.000	#DIV/0!