

Step by Step Manual for the Registration of Buildings under the Sustainable Energy Low Carbon Building Assessment (LCB - GreenPASS) on Building Energy Data Online Monitoring System (BEDOS)

PART A

FOR NEW BEDOS ACCOUNT REGISTRATION



		\frown
BEDOS About Contact		Login Register
BEDOS BUILDING ENERGY DAT (For Susteinable Energy Low Carl	TA ONLINE MONITORING SYSTEM on Building Assessment-GreenPASS Application)	
Register		
Name		
E-Mail Address		
Password		
Confirm Password		
	Register	

Register your BEDOS Account at: URL: <u>http://www.seda.gov.my/bedos</u>

Then, click 'Register' to create account

PART B

FILL IN YOUR BUILDING INFORMATION





Upon logging into BEDOS, click the **Building Information** tab and select (1)'Add New Building' to fill in required information of the building that is to be registered

BEDOS	=					🚺 zulkhairee zabani
zulkhairee zabani seDA	Building Management New					Home ≥ Building ≥ New
MAIN NAVIGATION	A - General Information					
Dashboard	Building Name *		Building Address *			
. Building Information	Building Name		Building Address Line 1			
O Add New Building	Building Owner Name/Organisation *		Building Address Line 2			
O Building List	Building Owner Name/Organisation		Postcode •	City *		
🛢 Data Management 🛛 <	Telephone * Fax		12345	City		
■ Monitoring & Reporting <	€ 01X12345678	01X12345678	State *			
• CDASS C1:5	Owner Email •		Please Select			•
GreenFASS Certification	abc@example.com		Local Authority •			
💄 User Management 🛛 <	Contact Person Name •		Please Select			Ŧ
嶜 Group Management 🛛 <	John Doe		Electricity Account Numb	ber •	Electricity Tariff •	
	Contact Person Telephone • Conta	oct Person Fax	Electricity Account num	ber	Please Select	•
	▲ 01X12345678	01X12345678	* if multiple account number, p e.g. 1234/4567	blease separate by '/'.		

The primary information needed is the building's **(2)General Information** such as **Building Name**, **Building Address** and **Contact Person details**. All the information with red starred(*) are compulsory

Physical building background		Net Floor Area *		Total No of Basement Flo	or
Please select	Ŧ	Net Floor Area	m ²	Total No of Basement Fl	oor
Age Of Building		Total Gross Floor Area *		Air-conditioned Area	
Age of building		Total Gross Floor Area	m ²	Air-conditioned Area	m²
Total No of Storey(s)	Total No of Building Block	Carpark Area			
Total No of Storey(s)	Total No of Building Block	Carpark Area			m²
Electrical Drawing	Floor Plan Layout				
Choose File No file chosen	Chaose File No file chosen				
	Choose The No hie chosen				
	Choose File No file chosen				
C - Building Operating In	formation				
C - Building Operating In Total number of occupants	formation Occupancy rate (current year)	Building operating hours	schedule p	er week	
C - Building Operating In Total number of occupants Total number of occupants	formation Occupancy rate (current year) Occupancy rate (curren %	Building operating hours Building operating hours	schedule p schedule p	er week Der week	Hours

Part B includes ③ Building Physical Information such as Net Floor Area, Age Of Building, Total No of Storey(s) etc. All the information with red starred(*) are compulsory

Please select Net Floor Area m ² Total No of Basement Floor Age Of Building Total Gross Floor Area Air-conditioned Area Age of building Total Gross Floor Area m ² Air-conditioned Area Total No of Storey(s) Total No of Building Block Carpark Area Total No of Storey(s) Total No of Building Block Carpark Area	hysical building background		Net Floor Area *		Total No of Basement Flo	or
Age Of Building Total Gross Floor Area Air-conditioned Area Age of building Total Gross Floor Area m ² Air-conditioned Area Total No of Storey(s) Total No of Building Block Carpark Area Total No of Storey(s) Total No of Building Block Carpark Area	Please select	v	Net Floor Area	m ²	Total No of Basement Fl	oor
Age of building Total Gross Floor Area m ² Air-conditioned Area Total No of Storey(s) Total No of Building Block Carpark Area Total No of Storey(s) Total No of Building Block Carpark Area	ge Of Building		Total Gross Floor Area *		Air-conditioned Area	
Total No of Storey(s) Total No of Building Block Carpark Area Total No of Storey(s) Total No of Building Block Carpark Area	Age of building		Total Gross Floor Area	m ²	Air-conditioned Area	m
Total No of Storey(s) Total No of Building Block Carpark Area	otal No of Storey(s)	Total No of Building Block	Carpark Area			
	Total No of Storey(s)	Total No of Building Block	Carpark Area			m
Electrical Drawing Floor Plan Layout	lectrical Drawing					
Choose File No file chosen Choose File No file chosen		Floor Plan Layout				
	Choose File No file chosen	Choose File No file chosen				
C - Building Operating Information	Choose File No file chosen	Choose File No file chosen				
C - Building Operating Information Total number of occupants Occupancy rate (current year) Building operating hours schedule per week	Choose File No file chosen - Building Operating Info otal number of occupants	Choose File No file chosen	Building operating hours	schedule p	er week	
C - Building Operating Information Total number of occupants Occupancy rate (current year) Building operating hours schedule per week Total number of occupants Occupancy rate (current %	Choose File No file chosen - Building Operating Info otal number of occupants Total number of occupants	Choose File No file chosen	Building operating hours a	schedule p	e r week Der week	Hours
C - Building Operating Information	Choose File No file chosen	Choose File No file chosen				

Part C indicates ④ Building Operating Information such as the Total number of occupants and Building operating hours schedule per week

Manpower		Maintanance Contractor	Availability of energy management engineer	
Manpower	Person	Maintanance Contractor	Please select	
Contact Person		Contact Person Email	Training of Maintenance Workers	
Contact Person		abc@example.com	Training of Maintenance Workers	cumulative hrs/year
		* Email will be sent to this email for them to login		

Part D includes **(5)Building Maintenance Information**. Once this section is completed, click **'Save!'**

PART C

FOR DATA MANAGEMENT



BEDOS	=		🚺 zulkhairee zabani
zulkhairee zabani • SEDA			🏟 Home > Building > List
	Search	State	
🚯 Dashboard		Please Select	
📕 Building Information 🛛 <	Building Category	Local Authority	
😑 Data Management 🗸 🗸	Please Select	 Please Select State 	·
O Building List	Search		
■ Monitoring & Reporting <	·		
GraanDASS Cartification (Building List		7
Greenrass Certification	# Building Name	Building Maintainance Contractor Status	Action
占 User Management 🛛 <	1 Example	VERIFIED	Update Energy Consumption View Energy Consumption
嶜 Group Management 🛛 <			

Next, select **6 'Building List'** under the **Data Management** tab. Then, click on the **7 'Update Energy Consumption'** to fill in your monthly data consumption



Select **8'Add New'** to start key in your monthly data consumption

BEDOS	≡							zulkhairee zabar
zulkhairee zabani seDA	Building Ma	anagement ca	onsumption				🍘 Home	e > Building > Consumptio
	Consumption	n						
🚯 Dashboard	Year	2019 🔻						
Building Information <	Bulan/Tahun				Parameter			
🛢 Data Management 🛛 <		Tariff Tena	aga Electric	Penggunaan Tenag (for non-r	a GDC Chilled Water esidential)	Penggunaan Air	Bil U	Jtiliti
■ Monitoring & Reporting <		Electricity	Maximum Demand	Energy Variable	Demand Charges	Water Consumption	Bil Air	Bil Elektrik
GreenPASS Certification <		Consumption (kwh)	(kw) *optional	Charges (RTH)	(RT) (if available)	(m ³) *optional	(RM) *optional	(RM) *optional
💄 User Management 🛛 <		Required		(II avaitable)				
😤 Group Management 🛛 <	January							
	February							
9	March							
	April							
	Мау							

In this section, monthly **9 Electricity Consumption(kwh)** of the target year and baseline year is to be filled up. Then, click **'save!'** to save your data in the system

PART D

FOR DATA MONITORING AND REPORTING





In order to monitor your building data, click on **10'Building Data'** under the **Monitoring & Reporting** tab. Then, select **11'Show Graph'**



All these graph will be displayed on your screen and show all the data that you want. Now, you can start monitoring your building data

PART E

FOR CERTIFIC&TION PURPOSES





Next, under the **GreenPASS Certification** tab, select (12) **'Request For Certification'**. Proceed to click on (13) **'Set Baseline/Target Year'** placed in the action column for the building that has been registered

BEDOS	≡	📗 zulkhairee zabani
zulkhairee zabani seda	Building Management Baseline & Home	e > Building > Set Baseline
	Example Building	
🚯 Dashboard	Baseline Year Target Year	
Building Information <	Please select Please select Calculate 14	
🛢 Data Management 🛛 <	2016 2018	
■ Monitoring & Reporting <		
💄 GreenPASS Certification 🗸		
O Request For Certification		
O List Certified		
O Waiting For Approval		
👗 User Management 🛛 <		
😁 Group Management 🛛 <		
	Copyright © 2018-2019 SEDA MALAYSIA. All rights reserved.	Version 0.1

Select the relevant **Baseline Year** and **Target Year** then click on (14) **'Calculate'**. The system will then proceed to calculate the energy savings that has been achieved based on the baseline and target year selected.

😂 Data Management 🛛 🔇 🤇							
⊞ Monitoring & Reporting <	Month	Baseline Consumption data (kWh) (2016)	BEI Baseline Year (2016)	Performance Data (kWh/Year) (2018)	BEI Target Year (2018)	Energy Saving (kWh)	Energy Saving (%)
GreenPASS Certification	1	985,678	97.57	322,324.00	31.91	663,354.00	67.30
O Request For Certification	2	876,679	86.78	234,325.00	23.19	642,354.00	73.27
O Waiting For Approval	3	676,578	66.97	434,233.00	42.98	242,345.00	35.82
💄 User Management 🛛 🔾	4	876,886	86.80	343,235.00	33.97	533,651.00	60.86
📲 Group Management 🗸 🎸	5	987,665	97.76	435,421.00	43.10	552,244.00	55.91
Gloup Management C	6	886,879	87.79	344,525.00	34.10	542,354.00	61.15
	7	987,790	97.78	423,456.00	41.92	564,334.00	57.13
	8	678,799	67.19	353,422.00	34.98	325,377.00	47.93
	9	898,766	88.96	345,432.00	34.19	553,334.00	61.57
	10	989,867	97.98	235,265.00	23.29	754,602.00	76.23
	11	789,987	78.20	454,354.00	44.97	335,633.00	42.49
	12	989,687	97.96	456,352.00	45.17	533,335.00	53.89
	Total	10,625,261.00	87.64	4,382,344.00	36.15	6,242,917.00	58.76

The final step is to select **(15)'Submit for Certification'**. The registration process is now complete. An email will be sent to the contact person once it is approved. The name of the building will be placed in the certified list of buildings

