ENERGY-EFFICIENT LOW CARBON EQUIPMENT

AY 2025-2026

13.2.1 Low Carbon Energy Tracking

13.2.1 LOW CARBON ENERGY TRACKING

A. INVENTORY OF LOW-CARBON TECHNOLOGIES/EQUIPMENT IN THE COLLEGE (INVERTER ACU AND LED LIGHTING SYSTEM)

GEMP FORM -1A
Region : ____

GOVERNMENT ENERGY MANAGEMENT PROGRAM (GEMP)
SURVEY OF GOVERNMENT AIRCONDITIONING UNITS AND GENERATORS
(In compliance with R.A. 11285 and its IRR)

Name of Government Agency/Office : Davao de Oro State College Contact No.:
Address : Purok 10, Poblacion, Compostela, Davao de Oro Date:

AIRCONDITIONING UNIT

No.	AREA	Type (Window, Split, Package/Floor Type)	Status (Operational, Non-Operational, Stand-by)	Quantity (No. of unit)	Category (Inverter, Non-Inverter Type)	Nameplate Rating				Year of Purchase	Operation		Serial Number
						Cooling Capacity (KJ/hr)	Capacity Rating (HP or TR)	Power Input (kW)	Energy Efficiency Ratio (EER)		Hours per Day	Days per Week	
1	BOARD SECRETARY	SPLIT	OPERATIONAL	1	INVERTER	23,210 kj/hr	2tr	2.2kw	10.55		8	5	
2	INTERNAL AUDIT	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
3	BOARD ROOM	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
4		SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.562kw	11.52		8	5	
5	PLANNING	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
6		SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
7	OOCP	FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	5.7kw	6.31		8	5	
8	OOCP QUARTER	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
9	LEGAL UNIT	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
10	PRODUCTION	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
11	ICT	FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	4.1kw	8.7		8	5	
12		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
13	INTERNATIONAL	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
14	PMU	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
15	RECORDS	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
16		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.445kw	12.95		8	5	
17	SPORTS	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
18	GUIDANCE OFFICE	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	GUIDANCE COUNELING	FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	3.950kw	9.11		8	5	
		WINDOW TYPE	OPERATIONAL	1	INVERTER	25,500 kj/hr	2tr	2.66kw	9.6		8	5	
	CLINIC	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	RDD	SPLIT	OPERATIONAL	1	INVERTER	21,150 btu/hr	2tr	2.4kw	8.81		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	24,000 btu/hr	2tr	2.7kw	8.8		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	24,000 btu/hr	2tr	2.7kw	8.8		8	5	
	SASD	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
		WINDOW TYPE	OPERATIONAL	1	INVERTER	25,500 kj/hr	2tr	2.66kw	9.6		8	5	
	CSC	SPLIT	OPERATIONAL	1	INVERTER	23,210 kj/hr	2tr	2.2kw	10.55		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	23,210 kj/hr	2tr	2.2kw	10.55		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	COMLAB	SPLIT	OPERATIONAL	1	INVERTER	21,150 btu/hr	2tr	2.4kw	8.81		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	SPEECHLAB	SPLIT	OPERATIONAL	1	INVERTER	20,777 kj/hr	2tr	1.51	13.75		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	9000 btu/hr	.75tr	0.94kw	9.57		8	5	
	AGRI LAB	SPLIT	OPERATIONAL	1	INVERTER	9000 btu/hr	.75tr	0.94kw	9.57		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	9000 btu/hr	.75tr	0.94kw	9.57		8	5	

	SCIENCE LAB	SPLIT	OPERATIONAL	1	INVERTER	19,412 kj/hr	1.5tr	18kw	10.8		8	5	
	TED	CEILNG	OPERATIONAL	1	INVERTER								
		CEILNG	OPERATIONAL	1	INVERTER								
		CEILNG	OPERATIONAL	1	INVERTER								
		CEILNG	OPERATIONAL	1	INVERTER								
	OVPAA	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	ACAD	SPLIT	OPERATIONAL	1	INVERTER	12,420 kj/hr	1tr	3.45kw	3.6		8	5	
	OCAF	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	EXTENSION	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	HRMU	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		CEILING	OPERATIONAL	1	INVERTER								
	REGISTRAR	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	COA	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	CASHIERING UNIT	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	BUDGETING UNIT	CEILING	OPERATIONAL	1	INVERTER								
	ACCOUNTING	CEILING	OPERATIONAL	1	INVERTER								
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	SASU	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	QUALITY ASSURANCE	CEILING	OPERATIONAL	1	INVERTER								
		CEILING	OPERATIONAL	1	INVERTER								
	SERVER	SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	12,600 kj/hr	1tr	1.2kw	10		8	5	
	PROCUREMENT UNIT	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
		WINDOW TYPE	OPERATIONAL	1	INVERTER	12,660kj/hr	1tr	1.152kw	11		8	5	
		WINDOW TYPE	OPERATIONAL	1	INVERTER	12,660kj/hr	1tr	1.152kw	11		8	5	
	SPMU	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		WINDOW TYPE	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.9kw	10		8	5	
	SPMU STOCK ROOM	SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		8	5	
	FABLAB	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
		FLOOR TYPE	OPERATIONAL	1	INVERTER	40,090kj/hr	3tr	4.5kw	8.9		8	5	
	GSU	FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	5.7kw	6.31		8	5	
	ESWMU	SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		8	5	
	POWER HOUSE	WINDOW TYPE	OPERATIONAL	1	INVERTER	12,660kj/hr	1tr	1.152kw	11		8	5	
	CSMU	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		8	5	
	LIBRARY	SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		8	5	
		SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		12	5	
		FLOOR TYPE	OPERATIONAL	1	INVERTER	37,980kj/hr	3tr	4.15kw	9.1		12	5	

	E. LIBRARY	SPLIT	OPERATIONAL	1	INVERTER	23,210 kj/hr	2tr	2.2kw	10.55		12	5	
	AVR	FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	4.1kw	8.7		8	5	
		FLOOR TYPE	OPERATIONAL	1	INVERTER	36,000 btu/hr	3tr	4.1kw	8.7		8	5	
	AGRI OFFICE	SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		12	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		12	5	
	ENTREP OFFICE	SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		12	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,000 btu/hr	1.5tr	1.79kw	10.0		12	5	
	ENTREP OFFICE 2	SPLIT	OPERATIONAL	1	INVERTER	18,720 kj/hr	2tr	1.365kw	13.71		12	5	
	INCUBATION	SPLIT	OPERATIONAL	1	INVERTER	23,210kj/hr	2tr	2.17kw	10.6		12	5	
	CRIM BLDG.	SPLIT	OPERATIONAL	1	INVERTER	18,990kj/hr	1.5tr	1.85kw	10.2		12	5	
		SPLIT	OPERATIONAL	1	INVERTER	18,990kj/hr	1.5tr	1.85kw	10.2		12	5	
		SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		12	5	
		SPLIT	OPERATIONAL	1	INVERTER	19,000kj/hr	1.5tr	1.64kw	11.6		12	5	
		FLOOR TYPE	OPERATIONAL	1	INVERTER	37,980kj/hr	3tr	4.15kw	9.1		12	5	

TOTAL BUILDING GROSS FLOOR AREA (m^2)		TOTAL AIR-CONDITIONED FLOOR AREA (m^2)	

GENERATORS

Brand		Quantity	Capacity kVA)	Status	Remarks
RICARDO		1	500kv	OPERATIONAL	GOOD CONDITON

(Please use another sheet if necessary)

Prepared By:
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Administrative Assistant III

Noted By:
ENGR. CEDRICK M. BALIOG
Head, General Services Unit

GEMP FORM -2
Region : XI

GOVERNMENT ENERGY MANAGEMENT PROGRAM (GEMP)
SURVEY ON LIGHTING SYSTEM
(In compliance with R.A. 11285 and its IRR)

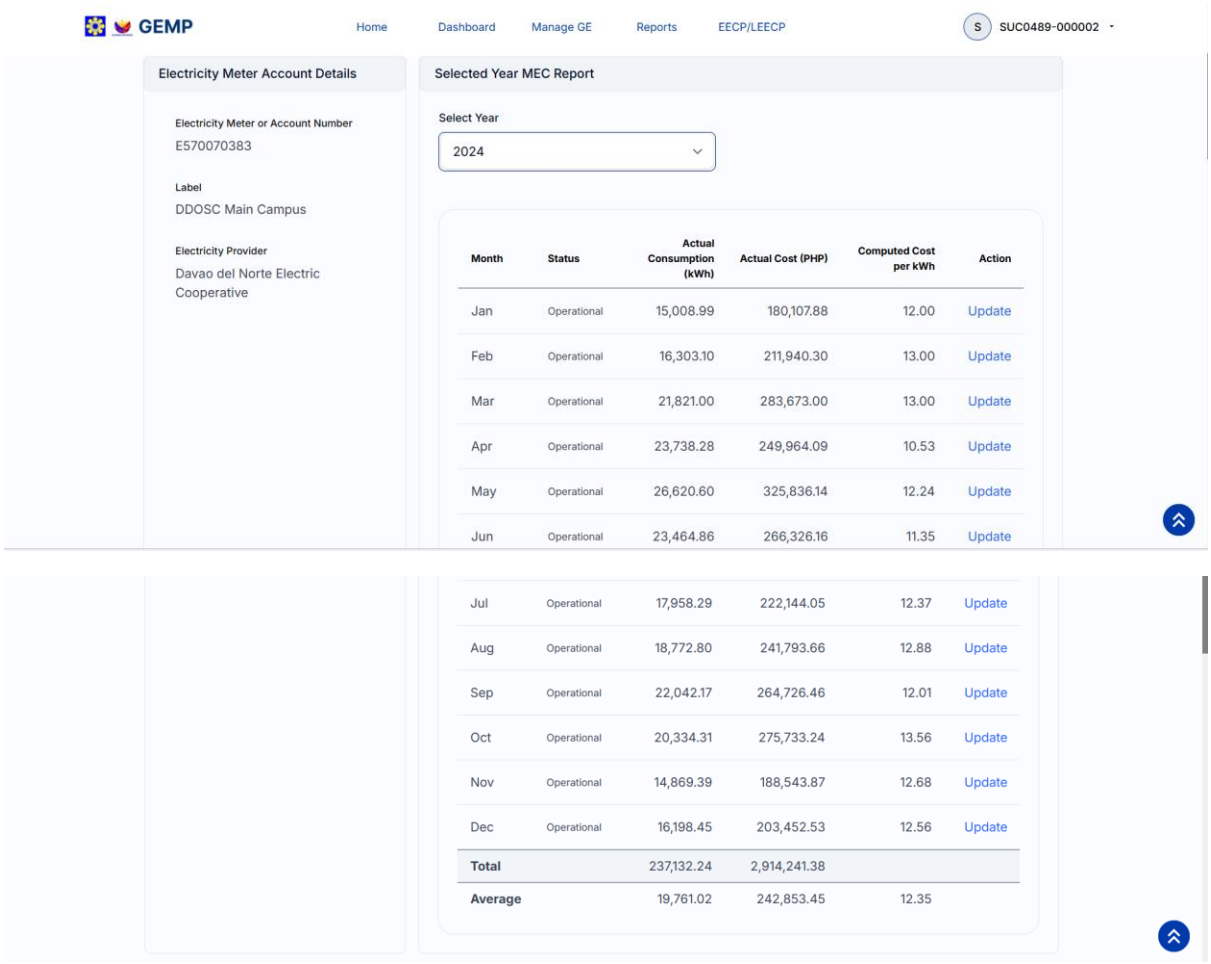
Name of Government Agency/Office : Davao de Oro State College - Main Campus
Address : Purok 10, Brgy. Poblacion, Compostela, Davao de Oro
Contact No.: 09055411833
Date: September 11, 2025

LIGHTING SYSTEM											
			Type of Fixture								
Type of Lamp	Quantity	Wattage	Recessed with Reflector	Surface mounted with Reflector	Suspended with reflector	Recessed with Reflector & Diffuser	Surface mounted with reflector & Diffuser	Suspended with reflector & Diffuser	Open	Type of Ballast (Magnetic, Electronic, Rapid-Start)	Remarks
LED T8	834	18		/						Electronic	
LED Bulb	20	5		/						Electronic	
LED Panel Light	40	6				/				Electronic	
LED Bulb	43	11					/			Electronic	
LED Panel Light	122	12				/				Electronic	
LED T5	75	28								Electronic	
LED Bulb	113	11								Electronic	
Flood Light	58	50					/			Electronic	
LED Panel Light	18	3				/				Electronic	
Flood Light	2	70					/			Electronic	
LED Panel Light	10	40				/				Electronic	

Prepared By:
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Approved By:
LILYBETH M. MATUNHAY
SUC President I

B. COLLEGE'S ENERGY USAGE FOR 2024



Month	Status	Actual Consumption (kWh)	Actual Cost (PHP)	Computed Cost per kWh	Action
Jan	Operational	15,008.99	180,107.88	12.00	Update
Feb	Operational	16,303.10	211,940.30	13.00	Update
Mar	Operational	21,821.00	283,673.00	13.00	Update
Apr	Operational	23,738.28	249,964.09	10.53	Update
May	Operational	26,620.60	325,836.14	12.24	Update
Jun	Operational	23,464.86	266,326.16	11.35	Update
Jul	Operational	17,958.29	222,144.05	12.37	Update
Aug	Operational	18,772.80	241,793.66	12.88	Update
Sep	Operational	22,042.17	264,726.46	12.01	Update
Oct	Operational	20,334.31	275,733.24	13.56	Update
Nov	Operational	14,869.39	188,543.87	12.68	Update
Dec	Operational	16,198.45	203,452.53	12.56	Update
Total		237,132.24	2,914,241.38		
Average		19,761.02	242,853.45	12.35	