

Questionnaire Data



1st
7300
14th ranking = 5900

084-2608987 *သန့်သန့် (ပါးကလေးကလေး)*

University Profile

Username : msu.ac.th
 University Name : Maharakham University
 University Leader : President : Associate professor. Prayook Srivilai, Ph.D

PIC Profile

PIC Name : Mr.jirasak wongphombute
 PIC Position : Audio-Visual Technical Officer
 Email : jirasak.w@msu.ac.th

① SI 1025
 ② E 900
 ③ work 900
 ④ work 500
 ⑤ trans 1225
 ⑥ study 1350

Submitted Date : 04 November 2019 22:59:43

Setting and Infrastructure		Answer
1.1()	Type of higher education institution	<input checked="" type="radio"/> Comprehensive <input type="radio"/> Specialized higher education institution
1.2()	Climate	<input type="radio"/> Tropical Wet <input checked="" type="radio"/> Tropical Wet and Dry <input type="radio"/> Semiarid <input type="radio"/> Arid <input type="radio"/> Mediterranean <input type="radio"/> Humid Subtropical <input type="radio"/> Marine west coast / Oceanic Climate <input type="radio"/> Humid Continental <input type="radio"/> Subartic
1.3()	Number of campus site	5
1.4()	Campus setting	<input checked="" type="radio"/> Rural <input type="radio"/> Suburban <input type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building
1.5()	Total campus area (m ²)	5747696
1.6()	Total campus ground floor area of buildings (m ²)	171068
1.7()	Total campus buildings area (m ²)	621143
1.8(SI.1)	The ratio of open space to total area. Formula: $((1.5-1.6/1.5)*100\%)$	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 80% <input type="radio"/> > 80 - 90% <input type="radio"/> > 90 - 95% <input checked="" type="radio"/> > 95%
1.9(SI.2)	Total area on campus covered in forest vegetation (please provide total area in square meters)	<input type="radio"/> <= 2% <input type="radio"/> > 2 - 9% <input type="radio"/> > 9 - 22% <input type="radio"/> > 22 - 35% <input checked="" type="radio"/> > 35%: 2427374 m²
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	<input type="radio"/> <= 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30 - 40% <input checked="" type="radio"/> > 40%: 2699179 m²
1.11(SI.4)	Total area on campus for water absorption besides forest and planted vegetation (please provide total area in square meters)	<input type="radio"/> <= 2% <input checked="" type="radio"/> > 2 - 10%: 218086 m² <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30%
1.12()	Total number of regular students (part time and full time)	41141
1.13()	Total number of online students (part time and full time)	0

096-3574447 *သန့်သန့်*

1.14()	Total number of academic and administrative staff	3827
1.15(SI.5)	The total open space area divided by total campus population. Formula: ((1.5-1.6)/(1.12+1.14))	<input type="radio"/> <= 10 m ² <input type="radio"/> > 10 – 20 m ² <input type="radio"/> > 20 – 40 m ² <input type="radio"/> > 40 – 70 m ² <input checked="" type="radio"/> > 70 m ²
1.16()	Total university's budget (in US Dollars)	67532603.59
1.17()	University's budget for sustainability effort (in US Dollars)	4082778.55
1.18(SI.6)	Percentage of University's budget for sustainability effort within a year	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 3% <input checked="" type="radio"/> > 3 - 10% <input type="radio"/> > 10 - 12% <input type="radio"/> > 12%

Energy and Climate Change

0850073966 *07/20/20* *704675*

Question		Answer
2.1(EC.1)	Energy efficient appliances usage	<input type="radio"/> < 1% <input type="radio"/> 1 - 25% <input type="radio"/> > 25 - 50% <input checked="" type="radio"/> > 50 - 75% <input type="radio"/> > 75%
2.2()	Total campus smart building area (m ²)	93708
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	<input type="radio"/> < 1% <input type="radio"/> 1% - 25% <input type="radio"/> > 25% - 50% <input checked="" type="radio"/> > 50% - 75% <input type="radio"/> > 75%
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	<input type="radio"/> None <input type="radio"/> 1 source <input checked="" type="radio"/> 2 sources <input type="radio"/> 3 sources <input type="radio"/> > 3 sources
2.5()	Please specify renewable energy sources in campus and provide capacity produced in kilowatt hour	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Bio Diesel <input type="checkbox"/> Clean Biomass <input checked="" type="checkbox"/> Solar Power: 1530000 kWh <input checked="" type="checkbox"/> Wind Power: 900 kWh <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydropower <input type="checkbox"/> Combine Heat and Power
2.6()	Electricity usage per year (in kilo watt hour)	26793832
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person). Formula: (2.6) / (1.12+1.14)	<input type="radio"/> >= 2424 kWh <input type="radio"/> < 2424 - 1535 kWh <input type="radio"/> < 1535 - 633 kWh <input checked="" type="radio"/> < 633 - 279 kWh <input type="radio"/> < 279 kWh
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	<input checked="" type="radio"/> <= 0.5% <input type="radio"/> > 0.5 - 1% <input type="radio"/> > 1 - 2% <input type="radio"/> > 2 - 25% <input type="radio"/> > 25%
2.9(EC.6)	Elements of green building implementation as reflected in all construction and renovation policies	<input type="radio"/> None <input type="radio"/> 1 element <input type="radio"/> 2 elements <input checked="" type="radio"/> 3 elements <input type="radio"/> > 3 elements

2.10(EC.7)	Greenhouse gas emission reduction program	<input type="radio"/> None (reduction program is needed, but nothing has been done) <input checked="" type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Program(s) aims to reduce one out of three scopes emissions (Scope 1 or 2 or 3) <input type="radio"/> Program(s) aims to reduce two out of three scopes emissions (Scope 1 and 2 or Scope 1 and 3 or Scope 2 and 3) <input type="radio"/> Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)
2.11()	Please provide the total carbon footprint (CO ₂ emission in the last 12 months, in metric tons)	23365
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person). Formula: (2.11)/(1.12+1.14)	<input type="radio"/> >= 2.05 metric ton <input type="radio"/> < 2.05 - 1.11 metric ton <input type="radio"/> < 1.11 - 0.42 metric ton <input checked="" type="radio"/> < 0.42 - 0.10 metric ton <input type="radio"/> < 0.10 metric ton

Waste 093-5096887 አዲስ አበባ ዩኒቨርሲቲ

Question	Answer
3.1(WS.1) Recycling program for university waste	<input type="radio"/> Not Applicable <input type="radio"/> Partial (1% - 25% of waste) <input checked="" type="radio"/> Partial (> 25% - 50% of waste) <input type="radio"/> Partial (> 50% - 75% of waste) <input type="radio"/> Extensive (> 75% waste)
3.2(WS.2) Program to reduce the use of paper and plastic on campus	<input type="radio"/> Not applicable. If there is no program in your university. <input type="radio"/> 1 program <input type="radio"/> 2 programs <input checked="" type="radio"/> 3 programs <input type="radio"/> more than 3 programs
3.3(WS.3) Organic waste treatment	<input type="radio"/> Open dumping <input type="radio"/> Partial (1% - 25% of treated) <input checked="" type="radio"/> Partial (> 25% - 50% of treated) <input type="radio"/> Partial (> 50% - 75% of treated) <input type="radio"/> Extensive (> 75% treated)
3.4(WS.4) Inorganic waste treatment	<input type="radio"/> Burned in the open <input type="radio"/> Partial (1% - 25% of treated) <input checked="" type="radio"/> Partial (> 25% - 50% of treated) <input type="radio"/> Partial (> 50% - 75% of treated) <input type="radio"/> Extensive (> 75% treated)
3.5(WS.5) Toxic waste treatment	<input type="radio"/> Not Managed <input type="radio"/> Partial (1% - 25% of treated) <input type="radio"/> Partial (> 25% - 50% of treated) <input checked="" type="radio"/> Partial (> 50% - 75% of treated) <input type="radio"/> Extensive (> 75% treated)
3.6(WS.6) Sewage disposal	<input type="radio"/> Untreated to waterways <input type="radio"/> Treated conventionally <input checked="" type="radio"/> Treated technically for reuse <input type="radio"/> Treatment for down cycling <input type="radio"/> Treatment for up cycling

Water 093-5096887 አዲስ አበባ ዩኒቨርሲቲ

Question	Answer
4.1(WR.1) Water conservation program implementation	<input type="radio"/> None (Conservation program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input checked="" type="radio"/> 1 - 25% implemented at early stage (e.g. measurement of potential surface runoff volume) <input type="radio"/> > 25 - 50% water conserved <input type="radio"/> > 50% water conserved
4.2(WR.2) Water recycling program implementation	<input type="radio"/> None (Water recycling program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input checked="" type="radio"/> 1 - 25% Implemented at early stage (e.g. measurement of waste water) <input type="radio"/> > 25 - 50% water recycled <input type="radio"/> > 50% water recycled

4.3(WR.3)	Water efficient appliance usage	<input type="radio"/> None (Water efficient appliances is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% of water efficient appliances installed <input checked="" type="radio"/> > 25 - 50% of water efficient appliances installed <input type="radio"/> > 50% of water efficient appliances installed
4.4(WR.4)	Treated water consumed	<input type="radio"/> None <input type="radio"/> 1% - 25% treated water consumed <input type="radio"/> > 25% - 50% treated water consumed <input checked="" type="radio"/> > 50% - 75% treated water consumed <input type="radio"/> > 75% treated water consumed
Transportation 084-2608987 2018/19		
Question		Answer
5.1()	Number of cars actively used and managed by University	190
5.2()	Number of cars entering the university daily	2423
5.3()	Number of motorcycles entering the university daily	7079
5.4(TR.1)	The total number of vehicles (cars and motorcycles) divided by total campus population. Formula: $(5.1+5.2+5.3)/(1.12+1.14)$	<input type="radio"/> ≥ 1 <input type="radio"/> < 1 - 0.5 <input checked="" type="radio"/> < 0.5 - 0.125 <input type="radio"/> < 0.125 - 0.045 <input type="radio"/> < 0.045
5.5(TR.2)	Shuttle service	<input type="radio"/> Shuttle service is possible but not provided by university <input type="radio"/> Shuttle service is provided (by university or other parties) and regular but not free <input type="radio"/> Shuttle service is provided (by university or other parties) and the university contributes a part of the cost. <input checked="" type="radio"/> Shuttle service is provided by university, regular, and free <input type="radio"/> Shuttle service is provided by university, regular, and zero emission. Or shuttle use is not possible (not applicable)
5.6()	Number of shuttles operated in your university	7
5.7()	Average number of passengers of each shuttle	424
5.8()	Total trips of shuttle services each day	147
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	<input type="radio"/> Zero Emission Vehicles are not available <input type="radio"/> Zero Emission Vehicles use is not possible or practical <input type="radio"/> Zero Emission Vehicles are available, but not provided by university <input type="radio"/> Zero Emission Vehicles are available, and provided by university and charged <input checked="" type="radio"/> Zero Emission Vehicles are available, and provided by university for free
5.10()	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day	550
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population. Formula: $(5.10)/(1.12+1.14)$	<input type="radio"/> ≤ 0.002 <input type="radio"/> > 0.002 - 0.004 <input type="radio"/> > 0.004 - 0.008 <input checked="" type="radio"/> > 0.008 - 0.02 <input type="radio"/> > 0.02
5.12()	Total parking area (m ²)	15322
5.13(TR.5)	Ratio of parking area to total campus area. Formula: $((5.12/1.5) \times 100\%)$	<input type="radio"/> > 11% <input type="radio"/> < 11 - 7% <input type="radio"/> < 7 - 4% <input type="radio"/> < 4 - 1% <input checked="" type="radio"/> < 1%
5.14(TR.6)	Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2016 to 2018)	<input type="radio"/> Not Applicable <input checked="" type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Less than 10% decrease <input type="radio"/> Between 10% - 30% decrease <input type="radio"/> Program resulting in more than 30% decrease in parking or parking is restricted

5.15(TR.7)	Number of transportation initiatives to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / tram / bus services and etc)	<input type="radio"/> Not Applicable <input type="radio"/> 1 initiative <input type="radio"/> 2 initiatives <input checked="" type="radio"/> 3 initiatives <input type="radio"/> > 3 initiatives
5.16(TR.8)	Pedestrian path policy on campus	<input type="radio"/> Pedestrian paths are not applicable <input type="radio"/> Pedestrian paths are available <input checked="" type="radio"/> Pedestrian paths are available, and design for safety <input type="radio"/> Pedestrian paths are available, designed for safety and convenience <input type="radio"/> Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features
5.17()	Approximate daily travel distance of a vehicle inside campus only (in Kilometers)	4360

Education and Research 087-462-4945 น.ส. อรรณพ ดงสุวรรณ

Question		Answer
6.1()	Number of courses/subjects related to sustainability offered	62
6.2()	Total number of courses/subjects offered	100
6.3(ED.1)	The ratio of sustainability courses to total courses/subjects	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input type="radio"/> > 10 - 20% <input checked="" type="radio"/> > 20%
6.4()	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).	541182
6.5()	Total research funds (in US Dollars) (average per annum over the last 3 years).	638576
6.6(ED.2)	The ratio of sustainability research funding to total research funding	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 8% <input type="radio"/> > 8 - 20% <input type="radio"/> > 20 - 40% <input checked="" type="radio"/> > 40%
6.7(ED.3)	Number of scholarly publications on sustainability published. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 20 <input type="radio"/> 21 - 83 <input checked="" type="radio"/> 84 - 300 <input type="radio"/> > 300
6.8(ED.4)	Number of events related to sustainability. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 4 <input checked="" type="radio"/> 5 - 17 <input type="radio"/> 18 - 47 <input type="radio"/> > 47
6.9(ED.5)	Number of student organizations related to sustainability	<input type="radio"/> 0 <input type="radio"/> 1 - 2 <input type="radio"/> 3 - 4 <input checked="" type="radio"/> 5 - 10 <input type="radio"/> > 10
6.10(ED.6)	University-run sustainability website	<input type="radio"/> Not available <input type="radio"/> Website in progress or under construction <input type="radio"/> Website is available and accessible <input checked="" type="radio"/> Website is available, accessible, and updated occasionally <input type="radio"/> Website is available, accessible, and updated regularly
6.11()	Sustainability website address (URL) if available	http://green.msu.ac.th
6.12(ED.7)	Sustainability report	<input type="radio"/> Not available <input type="radio"/> Sustainability report is in preparation <input type="radio"/> Sustainability report is available and accessible <input type="radio"/> Sustainability report is available, accessible and updated occasionally <input checked="" type="radio"/> Sustainability report is available, accessible and updated annually