MINDANAO STATE UNIVERSITY MAGUINDANAO

Dalican, Datu Odin Sinsuat, Maguindanao del Norte

REVISED LAND USE DEVELOPMENT AND INFRASTRUCTURE PLAN (LUDIP)

2022 – 2032

CHANCELLOR'S MESSAGE

Congratulations to the technical working group for the crafting of the Mindanao State University- Maguindanao Land Use and Development Infrastructure Plan (LUDIP), headed by our Vice Chancellor for Planning and Development. This revised LUDIP will be our guide in our preparation and implementation of the Infrastructure Plan. This manifests our commitment to allocating, utilizing, developing, and managing our campus land mandates of resources consistent with the principles of equity, social justice, environmental integrity, and sustainable development for the common good.

This plan is an integral part of the ways forward of MSU-Maguindanao. It is important to provide the constituency a functional use of our campus property to guide us in our future development decisions and projects.

May we continue to provide a conducive and significant impact of higher learning in our communities for land and people.

BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor, MSU-Maguindanao

FOREWORD

This document contains the MSU-Maguindanao's aim of realizing its overarching aspiration, anchored on its vision, of becoming "the Premier Innovative Center of Development in the Region". As one of the many proactive responses to this aspiration, MSU-Maguindanao created its Technical Working Groups (TWGs) with equally important roles and responsibilities for the formulation of its Land Use Development and Infrastructure Plan (LUDIP).

This plan presents the available land resources of the University and the various land-use proposals crafted to realize its five (5) Comprehensive Key Result Areas: 1) Pursuing Quality, Relevant, and Innovative Instruction; 2) Revitalizing Research Capability and Outputs and Institutionalizing Extension and Community Services; 3) Modernizing and Upgrading Planning and Campus Development Initiatives; 4) Efficient Management of Financial and Human Resources; and 5) Assuring Transparent and Accountable Governance – and the realization of these is the basis for determining the achievement of MSU-Maguindanao's Vision, Mission, and Core Values. This plan shows the picture of how MSU-Maguindanao is planning to look like in the future as it utilizes its land resources for development and infrastructures.

GLOSSARY OF TERMS

Campus refers to an educational facility, which are units that are geographically separated or detached from the main campus of the college or university and has its own educational facilities, administrative and faculty complement, and program offerings.

Campus Land Use Plan refers to the planning and policy document that sets the long-term spatial objectives and goals to improve and optimally utilize land assets as well as the land use policies to achieve the vision of the SUC. The following, but not limited to, shall be included in the formulation of a campus land use plan:

a. Planning and design considerations
b. Land use budget (Land demand and land supply)
c. Land use strategy and space allocation
d. Circulation network and traffic management scheme
e. Open and green space network
f. Land use policies

The campus land use plan, therefore, provides the forecasted allocations of land for the campus' academic requirements. It shall also determine the campus demand for infrastructure and services such as housing for its constituents (students, faculty, and staff), as well as economic and social facilities in support of its academic activities.

Campus Master Development Plan and Investment Program refers to the planning document that specifies the sectoral goals, objectives, strategies, future programs, projects, and activities to support the implementation of the Campus Land Use Plan. It includes a definition of the development phasing incorporating the estimation of the development costs in the form of an Investment Plan.

It shall consist of the following component framework plans:

a) social development
b) economic development
c) roads and transportation development
d) infrastructure and utilities development
e) environmental management
f) institutional development
g) investment plan

Dormitory refers to a building or structure that primarily provides sleeping and residential quarters for college or university students.

Economic Development Plan specifies proposals for commercial, industrial, agricultural, fishery, agroforestry, forestry, and tourism activities to optimize the economic and revenue growth potential of the SUC campus.

Environment Management Plan are proposals for the protection of the environment to ensure availability of the various on-campus development initiatives will be contained in this plan.

Environmental Management Plan specifies proposals for commercial, industrial, agricultural, fishery, agroforestry, forestry, and tourism activities to optimize the economic and revenue growth potential of the SUC or campus.

Extensions Program refers to programs in higher education institutions that provide the space to discover practical, evidence, and science-based answers that can address real-world, social, economic, and environmental challenges of partner citizens and communities.

Governing Board refers to the highest policy-making body of chartered SUC. For chartered State Colleges, they are called Board of Trustees (BOT).

Housing Site refers to the land owned by the SUCs that is identified as housing areas for its faculty and non-teaching personnel.

Idle Land refers to a recognized land asset of an SUC on which it has made no improvements. It does not include forest area, open space, areas preserved for cultural heritage, evacuation areas in times of calamities/disasters, laboratory sites, research sites, extension sites when such usage is identified in the LUDIP.

Infrastructure Development Plan specifies proposals for academic, health, housing, office, power and water supply, drainage and sewage, solid waste treatment, agricultural, tourist and visitor accommodation, and other general and special use facilities.

Infrastructure Project refers to the construction, improvement, rehabilitation of roads and bridges, railways, airports, seaports, communication facilities, irrigation, flood control and drainage, water supply and sewerage system, shore protection, power facilities, national buildings, school buildings, hospital buildings and other related construction projects that form part of the government capital investment.

Institutional Development Plan specifies the key areas of institutional capability building requiring improvement to meet the cohesive and efficient LUDIP implementation requirements.

Investment Program defines development cost to support the implementation of the LUDIP. It will include an Indicative financing Plan presenting the total development cost and specifying the cost breakdown of each component project. Priorities will be defined by phases, including project preparation (e.g., follow-up consultancy studies), short term, and medium-term, and long-term action.

Land Conflict refers to the disagreement over rights and ownership to land by two or more parties.

Land Use refers to the manner of utilizing the land, including its allocation, development, and management.

Protected Area refers to an area within a campus intended principally for dwelling purposes.

Residential Zone refers to an area within a campus intended principally for dwelling/housing purposes.

Road and Transportation Development Plan covers the aspects of road and bridge proposal and upgrading, including development (where applicable), and traffic management to facilitate digress and egress.

Site Development Plan refers to the general layout and configuration of a site including existing and proposed structures, parking and street layout, conceptual landscaping and lighting, site cross section drawings, and building elevations, among others. It also includes space programming based on the envisioned direction of development.

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LIST OF ACRONYMS

Acronym	Name
AAB	Administration Annex Building
AFN	Agro-Forestry Nursery
AGFEDPMP	AGFED Project Multi-purpose
AMB	Administration Main Building
AVR	Audio-Visual Room
BFAR BLDG	Bureau of Fisheries and Aquatic Resources Building
CAS BLDG	College of Arts and Sciences Building
CC	Care Channel
CEDN BLDG	College of Education New Building
CEDO BLDG	College of Education Old Building
CEDO BLDG 1	College of Education Old Building 1
CEDO BLDG 2	College of Education Old Building 2
CEDO BLDG 3	College of Education Old Building 3
CFES BLDG	College of Forestry and Environmental Studies Building
CM	Campus Mosque
COA MP BLDG	College of Agriculture Multi-purpose Building
COAN BLDG	College of Agriculture New Building
COAO BLDG	College of Agriculture Old Building
COFN BLDG	College of Fisheries New Building
COFO BLDG	College of Fisheries Old Building
CPAG BLDG	College of Public Affairs and Governance Building
CPS	Cattle Pen Shed
DABLDG	Department of Agriculture Building
DABE	Department of Agricultural and Biosystems Engineering
EB	Engineering Building
FS	Field Stage
FSC1	Faculty and Staff Cottage 1
FSC2	Faculty and Staff Cottage 2
FSC3	Faculty and Staff Cottage 3
FSC4	Faculty and Staff Cottage 4
FSC5	Faculty and Staff Cottage 5
FSC6	Faculty and Staff Cottage 6
FSC7	Faculty and Staff Cottage 7
FSC8	Faculty and Staff Cottage 8
FSL	Field Student Lounge
GH	Guest House
GHP	Guard House Post 1
GHF 2	Guard House Post 2
GS	Grandstand
GSB	Goat Stall Barn

IT BLDG	Information Technology Building
ILSHS BLDG	Integrated Laboratory Science High School Building
ILSHS HE BLDG	Junior High School Home Economics Building
JICA BLDG	JICA Building
MC	Magic Coin
MMC	Multimedia Center
MPB	Multipurpose Building
MSUG2	MSU-Maguindanao Gate 2
MSUMG	MSU Main Gate
NBD	New Boys Dormitory
NGD	New Girls Dormitory
NRM HALL	Nazarollah R. Macalandong Hall
OBD	Old Boys Dormitory
OGD	Old Girls Dormitory
OR BLDG	Old Research Building
OVCRE	Office of the Vice Chancellor Research, and Extension
PPS	Physical Plant Shop
PUP BLDG	Pre-University Program Building
R1	Reservoir 1
R2	Reservoir 2
R3	Reservoir 3
R4	Reservoir 4
R5	Reservoir 5
S BLDG	Science Building
SBSL	Science Building Student Lounge
SO	Security Office
SV	Student Village
SW BLDG	Social Work Building
TC BLDG	Tissue Culture Building
UC	University Canteen
UCR	University Comfort Room
UDB	University Dormitory Building
ULib	University Library
VCP BLDG	VermiCulture Project Building

Chapter 1

BRIEF PROFILE OF MSU-MAGUINDANAO

The Mindanao State University - Maguindanao is strategically located along the national highway of Barangay Población Dalican in the Municipality of Datu Odin Sinsuat, Maguindanao. The campus has fifty-five (55.0) hectares of land area whose topography is generally characterized as flat and undulated terrain. Land uses are confined inside the campus fulfilling the four-fold functions of the university: instruction, research, extension, and production. Academic buildings and other infrastructures are arranged accordingly with the campus road network. Income-generating projects (IGPs) such as fruit tree stands, forest tree stands, fishponds, rice fields and other agricultural establishments are also ideally allocated in the area. The MSU-Maguindanao Graduate Studies building is strategically located along the national highway of Broce, Datu Odin Sinsuat, Maguindanao. Mindanao State University- Maguindanao with the new administration of Chancellor Bai Hejira Nefertiti M. Limbona started the crafting of the Land Use Development and Infrastructure Plan (LUDIP). The creation of the MSU-Maguindanao LUDIP will assist administrators in developing the master plan of the university, assessing redevelopment plans, analyzing building trends, depicting the visual impact of development, and identifying proposed placement of buildings and structures. This LUDIP shall be used as the basis for the current and future uses of the properties of MSU-Maguindanao.

A. General Information of MSU-Maguindanao

The Mindanao State University-Maguindanao is one of the eleven (11) campuses of the Mindanao State University System. It is one of the state universities in the Bangsamoro Autonomous Region in Muslim Mindanao (BARMM). The University was established on October 10, 1973, by BOR Resolution No. 821 series of 1973 with its former name – MSU-Dinaig Agricultural and Technical College (MSU-DATC). It was granted fiscal autonomy under BOR Resolution No. 482, series of 1982, and was renamed MSU-Maguindanao by BOR Resolution No. 561, series of 1982. Notably, in response to the increasing demand for graduate programs, the University acquired a lot located at Barangay Broce, also in Datu Odin Sinsuat Municipality for the graduate programs. The campus is devoted to assisting the government in realizing the integration of cultural minority groups into the mainstream of the national body politic and providing trained manpower and technical know-how for the socio-cultural and economic development in the region by renewing its vision, mission, and core values and by strengthening its flagship programs in agriculture, forestry, and fisheries.

A.1. Brief Profile of MSU – Maguindanao. Presently called Mindanao State University-Maguindanao by BOR Resolution No. 561, series of 1982, the University has grown into an institution of higher learning with 7 academic units: College of Agriculture, College of Forestry and Environmental Studies, College of Fisheries, College of Education with its Integrated Laboratory Science High

School, College of Public Affairs and Governance, and College of Arts and Sciences, and College of Engineering and Computer Studies.

From Mindanao State University Dinaig Agricultural and Technical College (MSU-DATC) that formally started its operation at the grandstand of Dalican Pilot Elementary School with seven (7) faculty members, 15 administrative staff, 5 security guards and 126 students and offered only three (3) courses namely Agriculture, Forestry, and Community Development, it now has nineteen (19) baccalaureate programs with the implementation of the new curricula in 2018, two (2) diploma courses, and nine (9) graduate programs, and one extension program, that is, Doctor of Public Administration of MSU-Marawi City.

A.2. Mandate, and Legal Bases. MSU-Maguindanao adheres to the provisions as enshrined in the Charter (Republic Act No. 1387) of the Mindanao State University System, which was established in Marawi City on September 1, 1961, to achieve the following objectives:

1. Educate the youth of Mindanao, Sulu, and Palawan (MINSUPALA) by offering degree programs in various fields of learning;
2. Support businesses and industries in the region by providing their manpower requirements; and
3. Integrate the Muslims and other cultural minorities into the mainstream of national body politics.

It is committed to upholding the integrity of MSU as a system and pursuing quality education. It continually performs the mandated functions of Instruction, Research, Extension, and Production as it faces the challenges of time.

Under the Chancellorship of Dr. Bai Hejira Sinsuat Macalandong Limbona, MSU-Maguindanao aims to achieve the realization of the five (5) Comprehensive Key Result Areas: 1) Pursuing Quality, Relevant, and Innovative Instruction, 2) Revitalizing Research Capability and Outputs & Institutionalizing Extension and Community Services, 3) Modernizing and Upgrading of Campus Planning and Development Initiatives, 4) Efficient Management of Financial and Human Resources, and 5) Assuring Transparent and Accountable Governance.

Today, the overarching aspiration of MSU-Maguindanao is founded on the vision to be the premier innovative center of development in the region. It is not only committed to quality, relevant, and innovative instruction but focuses on revitalizing research capability outputs and institutionalizing extension endeavors, as well as modernizing and upgrading of campus development plan and infrastructure facilities through efficient management of financial and human resources and transparent and accountable governance in the new normal necessitating ICT modernization. Henceforth, strengthening the flagship programs in Agriculture, Forestry, and Fisheries and other related fields such as the Humanities (Islamic Studies), Education, Public Administration, Community Development and Social work, and Information Technology.

A.3. Vision, Mission, and Core Values and Key Result Areas (KRAs). The Mindanao State University System Board of Regents' election of MSU-Maguindanao's new Chancellor, Bai Hejira Nefertiti M. Limbona, PhD on December 21, 2020, ushers in a new leadership and academic administration. Moreover, the University's Five-Year Development Plan (2017 – 2021) is almost through with its period of implementation. Henceforth, a strategic planning workshop for the University is deemed necessary to conduct a strategic planning workshop on a full scale to revisit the mandate, conduct SOAR (Strength, Opportunities, Aspirations, Results) analysis, and consequently craft the University's Vision, Mission, and Core Values, Key Results Areas, Goals and Strategies, Objectives and Key Performance Indicators for the period 2021-2025.

The Office of the Vice Chancellor for Planning and Development formulated the proposal for the conduct of the Strategic Planning Workshop of the University and Development Planning Task Force composed of the top-level officials of the University including the Vice Chancellor for Academic Affairs, Vice Chancellor for Research, Extension, and Development, Vice Chancellor for Planning and Development, Vice Chancellor for Administration and Finance, Deans of the various colleges, semi-academic and administrative unit heads such as the University Librarian, Director of Student Affairs, Admission Officer, the Registrar, as well as the Director for Planning and Development, Director for Quality Assurance, Director of the Office of Information, Press and Publication, Director of the Institute for Peace and Development in Mindanao, and Director of the Physical Plant Office.







At the end of the plan period (2021 – 2025), MSU-Maguindanao aims to achieve the realization of its five (5) Comprehensive Key Result Areas.

The realization of the comprehensive key result areas will greatly determine the achievement of the Vision and Mission of the University.

Key Result Areas (KRAs). As stipulated in the Five-Year Development Plan of the University and based on the recently concluded review and assessment, the following are the Key Result Areas:

KRA 1: Pursuing Quality, Relevant, and Innovative Instruction with the following goals:

1. Produce competent and innovative graduates
2. Establish a CHED-certified Center of Development
3. Improve students' support services
4. Internationalize student's perspective and experiences
5. Strengthen faculty development and welfare.

KRA 2: Revitalizing Research Capability and Outputs & Institutionalizing Extension and Community Services with the following goals:

Research Services Goals

1. Upgrade research centers for economically important commodities
2. Access externally funded research
3. Increase number of research-based paper presentations in regional, national, or international fora and citations
4. Increase citations of research based policy inputs and recommendations
5. Enhance institutional knowledge, products, and technology dissemination

Extension Services Goals

1. Establish regional, national, and international linkages
2. Intensify community development
3. Establish income-generating demonstration projects
4. Enhance institutional extension services

KRA 3: Modernizing and Upgrading of Campus Planning and Development Initiatives with the following goals:

1. Upgrade to a Planning and Development Center.
2. Strengthen campus planning and development efforts.
3. University processes that are ISO-compliant.
4. Upgrade physical and ICT facilities and infrastructure.

KRA 4: Efficient Management of Financial and Human Resources with the following goals:

1. Optimize budget allocation to support faculty and staff.

2. Enhance effective human resource services delivery.
3. Systematize records keeping of all supplies, properties, and documents
4. Uphold transparency in all administrative transactions

KRA 5: Assuring Transparent & Accountable Governance with the following goals:

1. Sustain transparency in governance
2. Sustain accountable governance
3. Implement democratic governance
4. Exercise transformative governance
4.1. Digital Transformation
5. Amplify the Income Generating Initiatives
6. Enhance Peace & Development initiatives
7. Strengthen Sports Development Programs
8. Strengthen Culture and Arts Programs and Production
9. Promote Gender Equality and Sensitivity as a Fundamental Value
10. Enunciate the university's brand identity and core values

A.4. Current Governing Board. The highest policy-making body of the Mindanao State University System is the Board of Regents with the following composition as of December 2023:

Table 1. Current Governing Board of the MSU System.

Hon. J. PROSPERO E. DE VERA III	Chairperson, Commission on Higher Education	Chairperson
Hon. BASARI D. MAPUPUNO	President, Mindanao State University System	Vice Chairperson
Hon. FRANCIS CHIZ ESCUDERO	Chairperson, Senate Committee on Higher and Technical Education, (Represented by Gov. Mamintal "Bombit" Alonto Adiong, Jr.	Member
Hon. MARK O. GO	Chairman, House Committee on Higher and Technical Education (Represented by Hon. Ziaur-Rahman Alonto Adiong)	Member
Hon. AMENAH F. PANGANDAMAN	Secretary, Department of Budget and Management (Represented by ASec. Achilles Gerard C. Bravo)	Member
Hon. ARSENIO M. BALISACAN	Secretary, NEDA	Member
Hon. EDDIE M. ALIH	Chairperson, Committee on Basic, Higher and Technical Education (BARMM)	Member
Hon. ALIZEDNEY M. DITUCALAN	Chancellor, MSU-Iligan Institute of Technology	Member

Hon. MARY JOYCE Z. GUINTO-SALI	Chancellor, MSU Tawi-Tawi College of Technology and Oceanography	Member
Hon. USMAN D. ARAGASI	OIC-Chancellor, MSU General Santos	Member
Hon. ALHISAN U. JEMSY	President, MSU Faculty Federation	Member
Hon. RENATO D. BONIAO	President, MSU Alumni Association	Member
Hon. VEANAMARI ELISE V. SANTILLAN	President, FEMSUSSCO	Member
Hon. AMINA T. RASUL BERNARDO	Appointive Member	
Hon. GRACITA J. ALI	Appointive Member	
Atty. SHIDIK T. ABANTAS	Secretary of the University and of the Board of Regents	

Campus Officials. The officials of the University as of January 2024 are listed here under:

Chancellor	Bai Hejira Nefertiti M. Limbona, PhD
Vice Chancellor for Academic Affairs	Marissa N. Parcon, EdD
Vice Chancellor for Administration and Finance	Angelita T. Datucan
Vice Chancellor for Research & Extension	Raquel S. Arenas, PhD
Vice Chancellor for Planning & Development	Arceli B. Naraga, PhD
Dean, College of Agriculture	Raquel S. Arenas, PhD
Dean, College of Arts and Sciences	Badrudin K. Abdul, EdD
Dean, College of Education	Joel C. Arenas, PhD
Dean, College of Fisheries	Naima S. Pendi, PhD
Dean, College of Forestry and Environmental Studies	Rowena C. Benavides, PhD
Dean, College of Public Affairs and Governance	Datuali P. Abdula, DPA.
Dean, College of Engineering and Computer Studies	Engr. Datu Duma Sinsuat IV
Director, Integrated Laboratory Science High School	Prof. Sadat G. Blah
Campus Secretary	Ms. Mary Thallasah Nicole T. Alava
Registrar	Dr. Tahir K. Salipada
Campus Librarian	Ms. Juvy Grace Sabello
Director, DSA	Ms. Julmaherria M. Salipada
Director, HRMO	Ms. Genuine Uko-Malim
Director, IPPO	Engr. Bai Aljannah S. Macalandong
Director, IPDM	Prof. Grant Warren D, Lu
Director, CIEC	Prof. Marcial C. Arcega
Director, CCA	Prof. Norhana Maguid
Director, DRRMO	Prof. Yashier Kasan
Director, SDO	Ms. Dunique Love P. Daylusan
Director, PASO	Prof. Meldred B. Sorbito
Director, Finance	Ms. Tumbay M. Manap
Chief Accountant	Ms. Hairia Butukan
Head, Budget Office	Ms. Hazel I. Duga
Head, SPMO	Engr. Mario D. Betito
Head, Procurement Office	Ms. Normelita F. Guiamalon
Director, Physical Plant Office	Engr. Salahudin A. Sula
Head, QMSSO	Prof. Hanissa F. Baraguir
International Affairs Officer	Dr. Almira Menson

A.5. Academic Program Offerings with COPC. Presently called Mindanao State University-Maguindanao by BOR Resolution No. 561, series of 1982, the University has grown into an institution of higher learning with 7 academic units: College of Agriculture, College of Forestry and Environmental Studies, College of Fisheries, College of Education with its Integrated Laboratory Science High School, College of Public Affairs and Governance, College of Arts and Sciences, and College of Engineering and Computer Studies.

Now, it is offering 21 baccalaureate programs, 4 diploma programs, 9 graduate programs, and one extension program of MSU-Marawi.

Table 2. Academic Program Offerings of MSU-Maguindanao

College	Program	*COPC Number	Date of Issuance
College of Agriculture	Bachelor of Science in Agricultural and Biosystems Engineering	No. (15) 21-50-002 s. 2021	November 23, 2021
	Bachelor of Science in Agricultural Business Management	No. 06 Series of 2019	May 15, 2019
	Bachelor of Science in Agriculture Major in Animal Science	No. 10 Series of 2019	May 15, 2019
	Bachelor of Science in Agriculture Major in Extension Education	No. (15) 21-50-003 s. 2021	November 23, 2021
	Bachelor of Science in Agriculture major in Agronomy	-	-
	Bachelor of Science in Civil Engineering	Newly Offered as of 1st Sem 2023-2024	
	Master of Science in Animal Science	No. (15) 21-80-003 s. 2021	November 23, 2021
	Master of Science in Farming Systems	No. (15) 21-80-002 s. 2021	November 23, 2021
College of Arts and Sciences	Bachelor of Science in Information Technology	No. 11 Series of 2019	May 15, 2019
	Bachelor of Arts in Islamic Studies	No. 13 Series of 2019	May 15, 2019
	Bachelor of Arts in Political Science	No. (15) 21-50-001 s. 2021	November 23, 2021
	Master of Arts in Peace and Development Studies	No. (15) 21-80-007 s. 2021	November 23, 2021
	Master of Arts in Islamic Studies	-	-
	Bachelor of Elementary Education	No. 05 Series of 2019	April 15, 2019

College of Education	Bachelor of Physical Education	No. (15) 21-50-005 s. 2021	November 23, 2021
	Bachelor of Secondary Education Major in English	No. 01 Series of 2019	April 15, 2019
	Bachelor of Secondary Education Major in Mathematics	No. 02 Series of 2019	April 15, 2019
	Bachelor of Secondary Education Major in Sciences	No. 03 Series of 2019	April 15, 2019
	Bachelor of Secondary Education Major in Social Studies	No. (15) 21-50-004 s. 2021	November 23, 2021
	Master of Arts in English Language Teaching	No. (15) 21-80-006 s. 2021	November 23, 2021
	Master of Science in Education Major in General Science	No. (15) 21-80-005 s. 2021	November 23, 2021
	Master of Science in Education Major in Secondary Mathematics	No. (15) 21-80-004 s. 2021	November 23, 2021
College of Fisheries	Bachelor of Science in Fisheries	No. 04 Series of 2019	April 15, 2019
College of Forestry and Environmental Studies	Bachelor of Science in Forestry Major in General Forestry	No. 12 Series of 2019	May 15, 2019
	BS Environmental Science	Reoffered Program in Ay 2023-2024	
College of Public Affairs and Governance	Bachelor of Public Administration	No. 16 Series of 2019	May 15, 2019
	Bachelor of Science in Social Work	No. 14 Series of 2019	May 15, 2019
	Bachelor of Science in Sustainable Community Development	No. (15) 21-50-006 s. 2021	November 23, 2021
	Master of Public Administration (Plan A)	No. (15) 21-80-001A s.2021	November 23, 2021
	Master of Public Administration (Plan B)	No. (15) 21-80-001B s.2021	November 23, 2021
	Doctor of Public Administration	Extension Program of MSU-Marawi	

* See attached COPCs

In addition, the Integrated Laboratory Science High School (ILSHS) which is under the College of Education offers the following: ***Junior High School from*** Grades 7 to 10 and ***Senior High School*** in the Science, Technology, Engineering, and Mathematics (STEM) and Humanities and Social Sciences (HUMSS) strands.

Moreover, the recent creation of the **College of Engineering and Computer Studies** led to the establishment of the 7th College Unit in the University with programs in BS Civil Engineering, BS Agricultural and Biosystems Engineering, and BS Information Technology

A.6. Recognition and Awards. Throughout the 5 decades of rendering quality education, MSU-Maguindanao has become a home of successful stories not only of its graduates but also of the entire Bangsamoro. To achieve, its vision, mission, key result areas, goals, and objectives, the University has been very active and adaptive to innovations that benefit the constituents and enhance its delivery of quality education as evidenced by the following recent accomplishments:

Table 3. Awards and Recognition

Award/Recognition/Accreditation	Award Giving Body
1. Level 1 Accreditation of 15 undergraduate degree programs	AACCUP
2. Preliminary Survey Visits of 8-degree programs in the undergraduate and graduate programs	AACCUP
3. ISO 9001:2015 Certification	SOCOTEC
4. Top 9 Fisheries Technology Licensure Examination (November 2023)	PRC

Moreover, there are numerous research and extension activities and outputs, and the infrastructure development established in the university since 2021.

A.7. Alignment with the Local Government Unit's Vision. The municipality of Datu Odin Sinsuat's **Vision** states: "Datu Odin Sinsuat envisions a peaceful, prosperous, and disaster resilient municipality with a sustainable economy, center of quality education and tourism, where citizens enjoy equal access to opportunities and basic services, living in a clean and green environment with adequate infrastructure support and governed by God-fearing and competent leaders." Indeed, MSU-Maguindanao as the only state university in the province and situated in the municipality of Datu Odin Sinsuat manifests the vision of the municipality as a center of quality education.

As to the municipality's **mission**, it declares that Datu Odin Sinsuat is committed to pursuing responsive and effective governance leading to a resilient development in the areas of social services, peace and culture, economy, and environmental management. The mission of training and enhancing human capital through quality educational experiences and relevant research and

extension activities through community empowerment supports the locality's mission development and effective governance.

A.8. Role in Local and Regional Development. MSU-Maguindanao has the goal of producing skilled and quality graduates who will uplift their lives and a workforce who will contribute to the development of local, regional, and national development. The University acts as an incubation hub for regional legislation and policy formulation. In line with the priority thrusts and deliverables of the Mindanao State University System and the 8-point socio-economic agenda of the Marcos Administration, the State Universities and Colleges (SUCs) Levelling Instrument, Philippine Development Plan, Ambisyon Natin 2040, regional development plans to include the 2nd Bangsamoro Development Plan (BDP), Sustainable Development Goals (SDGs), and the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACCUP) accreditation standards, and ISO Standard, MSU-Maguindanao commits to pursuing the attainment of the key result areas to contribute to nation building through human capital development.

B. Demographic Profile

B.1. Sex Disaggregated Distribution Undergraduate Student Population and Teaching and Non-Teaching Personnel

MSU-Maguindanao's general population is composed of faculty, administrators and staff, and students from the seven (7) academic units of the University: College of Agriculture, College of Forestry and Environmental Studies, College of Fisheries, College of Education with Integrated Laboratory Science High School, College of Public Affairs and Governance, College of Arts and Sciences, and College of Engineering and Computer Studies.

In Table 4, the general population of undergraduate students has steadily increased except during the time of the pandemic or COVID-19 onslaught in AY 2020 – 2021. On average the majority of the student population is female.

Table 4. Sex Disaggregated Distribution of Undergraduate Student Population

Academic Year (AY)	Average No. of Undergraduate Students (1st & 2nd Sem)		
	Male	Female	Total
2019 – 2020	706	1057	1763
2020 – 2021	571	905	1476
2021 – 2022	707	1512	2219
2022 – 2023	689	1426	2115
2023 – 2024	1004	2006	3010

Shown in Table 5 is the Sex Disaggregated Distribution of Teaching and Non-Teaching Personnel Population (Faculty, Administrators, and Staff) from FY 2020-2023.

Table 5. Sex Disaggregated Distribution of Teaching and Non-Teaching Personnel Population (Faculty, Administrators and Staff) from FY 2020 – 2023.

Year	Teaching and Non-Teaching Personnel Population (Faculty, Administrators, and Staff)		
	Male	Female	Total
2020	153	190	343
2021	246	228	474
2022	247	208	455
2023	242	200	442

B.2. Admitted Dormers in the Girls and Boys' Dormitories

The university has dormitories for boy's students, faculty, staff, and visitors.

The table 6 below shows the academic year occupants from 2019-2023 both girls' Dormitory 1 and 2 as well as the dorm capacity and number of occupants from first semester to second semester. Due to the very strict health restrictions from (AY 2019 to 2022), the dormitories were closed to users and just opened for the first semester of AY 2022-2023. During AY 2022 to 2023 in its first semester, the Dorm 1 has a high number of occupants but in the second semester it decreased because of the shortage of water due to absence of electricity. For the same reason, dorm 2 has the lowest number of occupants in both 1st and 2nd semester. By AY 2023 to 2024, the number of occupants in both Dorm 1 and 2 decreased because of the water and electricity problem.

Table 6. Number of Admitted Dormers in MSU-Maguindanao Girls Dormitory from AY 2019-2020 to AY 2023-2024

Academic Year (AY)	MSU-Maguindanao Girls Dormitory 1			MSU-Maguindanao Girls Dormitory 2		
	Capacity	1st Semester No. of Occupants	2nd Semester No. of Occupants	Capacity	1st Semester No. of Occupants	2nd Semester No. of Occupants
AY 2019-2020	96	N/A	N/A	80	N/A	N/A
AY 2020-2021	96	N/A	N/A	80	N/A	N/A
AY 2021-2022	96	N/A	N/A	80	N/A	N/A
AY 2022-2023	96	90	83	80	60	53
AY 2023-2024	96	70	N/A	80	48	N/A

Table 7. Number of Admitted Dormers in MSU-Maguindanao Boys Dormitory from AY 2019-2020 to AY 2023-2024

Academic Year	MSU-Maguindanao Boys Dormitory 1			MSU-Maguindanao Boys Dormitory 2		
	Capacity	1st Semester	2nd Semester	Capacity	1st Semester	2nd Semester
		No. of Occupants	No. of Occupants		No. of Occupants	No. of Occupants
AY 2019-2020	32	N/A	N/A	64	N/A	
AY 2020-2021	32	N/A	N/A	64	N/A	
AY 2021-2022	32	N/A	N/A	64	N/A	
AY 2022-2023	32	28	20	64	24	18
AY 2023-2024	32	19	N/A	64	35	N/A

B.3. Population Projections for the Next Ten (10) Years

As shown in Table 8, for the undergraduate students, the projections are based on their 15% average growth rate both for male and female from AY 2021-2022 to AY 2023-2024.

Table 8. Average Growth Rates Used to Project Undergraduate Students Population

Population	Growth Rate		
	Male	Female	Total
Undergraduate Students	0.15	0.15	0.15

Also, Table 9 indicates the population projection for the next ten (10) years for the undergraduate student population from AY 2024-2025 to AY 2032-2033.

Table 9. Population Projection for the Next Ten (10) Years of Undergraduate Students Population

Academic Year (AY)	Population Projection of Undergraduate Students for the Next 10 Years		
	Male	Female	Total
2024 – 2025	1155	2307	3462
2025 – 2026	1328	2653	3981
2026 – 2027	1527	3051	4578
2027 – 2028	1756	3509	5265
2028 – 2029	2019	4035	6054
2029 – 2030	2322	4640	6962
2030 – 2031	2671	5336	8007
2031 – 2032	3071	6136	9208
2032 – 2033	3532	7057	10589
2033 – 2034	4062	8115	12177

As shown in Table 10, for teaching and non-teaching personnel population (faculty, administrators, and staff) the projections are based on their 5% average growth rate both for male and female from FY 2020 to FY 2023.

Table 10. Average Growth Rates Used to Project Population for Teaching & Non-Teaching Personnel Population

Population	Growth Rate		
	Male	Female	Total
Teaching and Non-Teaching Personnel Population	0.05	0.05	0.05

Table 11 on the next page indicates the population projection for the next ten (10) years for the teaching and non-teaching personnel population from FY 2024 to FY 2033.

Table 11. Population Projection for the Next Ten (10) Years of Teaching and Non-Teaching Personnel Population (Faculty, Administrators, and Staff)

FY	Population Projection of Administrators, Faculty, and Staff for the Next 10 Years		
	Male	Female	Total
2024	254	210	464
2025	267	221	487
2026	280	232	512
2027	294	243	537
2028	309	255	564
2029	324	268	592
2030	341	281	622
2031	358	295	653
2032	375	310	686
2033	394	326	720

C. Geographical Location

C.1. Brief Profile of the Province and Municipality. The Maguindanao del Norte province is situated in the Bangsamoro Autonomous Region in Muslim Mindanao (BARMM). The province has a land area of 3,988.82 square kilometers covering 12 municipalities and 258 barangays with a total population of 943,500 (PSA, 2020). Currently, the capital of Maguindanao del Norte is at the municipality of Datu Odin Sinsuat. It borders Cotabato province to the east, Lanao del Sur to the north, Maguindanao del Sur to the south-east, and Sultan Kudarat to the south.

In the province of Maguindanao del Norte, the Mindanao State University-Maguindanao, as the only state university, is located in the municipality of Datu Odin Sinsuat (DOS), Maguindanao, formerly known as Dinaig. The Datu Odin Sinsuat municipality covers a land area of 461.80 square kilometers. The population of the town as determined by the last 2020 census was 116,768 (PSA, 2020).

The former name of the Datu Odin Sinsuat Municipality was “Dinaig” derived from a Maguindanaon word “Dimaig” which means “unsubmissive”. According to its past leaders and people, the town was able to withstand the offenses made by other sultanates during the power struggle at that time. The leadership of Datu Bandara, the first leader of the town paved way for the establishment of their own sultanate that they proudly called “Dinaig” and according to them would mean “a place worth dying for”.

On August 18, 1947, his Excellency Manual A. Roxas, issued Executive Order No. 82 officially creating the municipality of Dinaig, which then covered some areas in Maguindanao province such as Upi, South Upi, and almost half of

Talayan including Lebak and Kalamansig which are now under Sultan Kudarat Province.

Datu Odin Sinsuat Municipality has a total population of 116, 768 (2020 Census) which represents 8.70% of Maguindanao's total population with 34 barangays. The municipality has a land area of 461. 80 square kilometers or 178. 30 square miles constitutes 4.63% of Maguindanao's total land area.

The municipal center of Datu Odin Sinsuat is situated at approximately 7º 1' North, 124º 19' East, in the island of Mindanao. Elevation at these coordinates is estimated at 19.8 meters or 65.0 feet above mean sea level.

Datu Odin Sinsuat is a second-class municipality and now the capital of the province of Maguindanao del Norte.

C.2. Description of Land Cover and Topography

Topography. The topography of the area is not totally plain. It has the highlands, rolling hills, plains and the wetlands. It is situated at approximately 7.8031, 123.7239, in the island of Mindanao. Elevation at these coordinates is estimated at 12.6 meters or 41.3 feet above mean sea level.

Biophysical Conditions. The Municipality is located within the fourth climate type of the country where precipitation is more or less evenly distributed throughout the year. Dry months are relatively short of minimum rainfalls and usual average of 120-135 mm. Average maximum rainfall occurs from the month of May to June up to 210mm (based on PAGASA weather station Cotabato City). Typhoons seldom visit the area; it is bounded by the mountainous parts of the Municipality of Talayan and Upi in the Southern Side. With its elevation and is open to the sea breeze, the area is exhibiting an average temperature from a minimum of 26 degrees Celsius and to a maximum of 38.7 degrees Celsius.

The municipality of Datu Odin Sinsuat is indeed fortunate to have a moderate prevalence in the area; these could be attributed to even rainfall distribution in the town. Rainy season starts from June to November while the dry season begins from December to May. Wind direction most often moves eastward during morning and westward during afternoon with normal velocity.

Soil Type. Datu Odin Sinsuat soil is classified into the following with is corresponding slopes:

- Dalican clay loam which is described as no apparent erosion and flooded having a slope of 1-2%.
- Hydrosol soil has the same slope as the first type which is underwater most of the time.
- Faraon clay with a slope of 2.60% classified and described as:
    - Faraon clay with 2-8% slope which is slightly eroded

- Faraon clay with 8-25% slope which is moderately eroded
- Faraon clay with 40-60% slope which is severely eroded

Hydrologic Features. The panorama of the hydro geological location of Datu Odin Sinsuat is such that the surface is irregular especially in the south-western portion. The south-eastern part is plain where mostly lowland crops are grown.

Erosion Area. The erosion area of the municipality as a whole has a high erosion due to soil types which are found in the high lying barangays because of sand and silt particles that are light soil types. This is based on the observation of barangay residents in the up lying areas including hilly or rolling portion of the municipal area. In addition, the KAINGIN practice of the upland farmers contributed to the high erosion of soil. Based on the soil erosion map, these are the 24 barangays partly subjected to erosion; Bagoinged, Benolen, Nekatan,Sibuto, Kenabeka, Tenonggos, Dalican Poblacion, Makir, Bugawas, Baka, Taviran, Margues, Bitu, Dulangan, Tamontaka, Tanuel, Kapiton, Awang, Semba, Dinaig Proper,Labungan, Mompong and Linek.

C.3. Vulnerabilities and Risks

Records of Previous Disaster, Municipality of Datu Odin Sinsuat, Maguindanao. Based on records, the oldest event of disaster occurred in the 1976 earthquake with 7.9 intensity. The affected barangays were Tapian, Kusiong, Badak, Linek, and part of Mompong and Dinaig proper.

Hundreds of lives and properties of affected barangays were either died, injured, and missing. The affected households never forgot this event. Accordingly, the affected families and houses were 100% damaged.

The latest hazard event occurred on February 17 – 18, 2014, storm surge, at the coastal barangays that experienced 1976 intensity 7.9 earthquake. Then in 2004 and 2007 flash floods that affected life and properties of low line barangays. But no life was sacrificed, only properties such as houses and crops were damaged but not to the extent of 100% damaged.

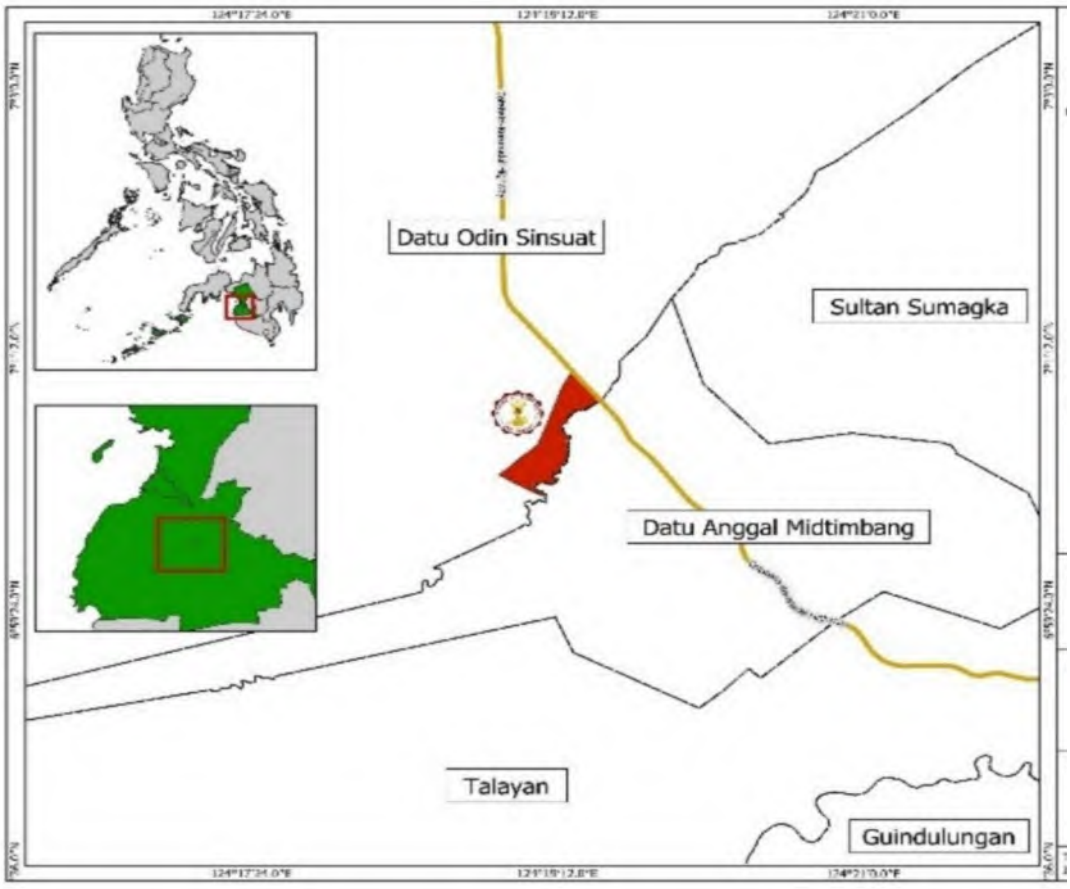
Chapter II

DETAILED DESCRIPTION OF MSU-MAGUINDANAO

A. Physical Features and Environmental Condition

A.1. Land Cover and Location. The strategic location of MSU-Maguindanao provides vital educational opportunities to DOS and other nearby municipalities. The campus is strategically located at the center of Maguindanao province and accessible for land travel via the Cotabato-General Santos Highway. Nearby airport is at Awang, DOS, Maguindanao which is about 30 kms from the campus. The campus has a total land area of 55 hectares located in Dalican, Datu Odin Sinsuat, Maguindanao. The north portion of the campus is a flat area occupied with the greatest number of buildings including the Administration Building, College of Arts and Sciences, College of Public Affairs and Governance, and College of Education. The southern portion of the campus is a rolling terrain where the College of Agriculture, College of Forestry and Environmental Studies, and College of Fisheries are located. Most of the production areas are situated in this part of the campus. The Graduate Studies campus is situated in Broce, Datu Odin Sinsuat, Maguindanao occupying a .2 hectare of land. Under a Memorandum of Agreement with the Ministry of Environment and Natural Resources (BARMM), the University also has an approximately 1,000 square meters lot to be developed into a BARMM Flagship Development Community.

Figure 1. Mindanao State University-Maguindanao Land Cover Map (showing boundaries)



MSU-Maguindanao main campus is situated along the national highway in the municipality of Datu Odin Sinsuat, Maguindanao del Norte, BARMM, Philippines. It is bounded in the North by Cotabato City, in the East by Sultan Sumagka, Maguindanao del Sur, in the West by Upi, Maguindanao del Norte, and in the South by Datu Anggal Midtimbang, Maguindanao del Sur.

The Mindanao State University- Maguindanao is located in the barangay Dalican, municipality of Datu Odin Sinsuat, Maguindanao del Norte, Philippines. It is accessible by land from nearby municipalities and provinces. The nearest transport terminal is the Cotabato City Bus Terminal, which is approximately 20 kilometers away from the university. Vans and Town ace are used to transport from nearby barangays and municipalities.

When travelling by plane, the nearest Airport is Cotabato City Airport located in Barangay Awang, Datu Odin Sinsuat, Maguindanao. The airport is also known as Awang Airport and is classified as a Class 1 principal (major domestic) airport by the Civil Aviation Authority of the Philippines. The airport is approximately 20 kilometers away from the University.

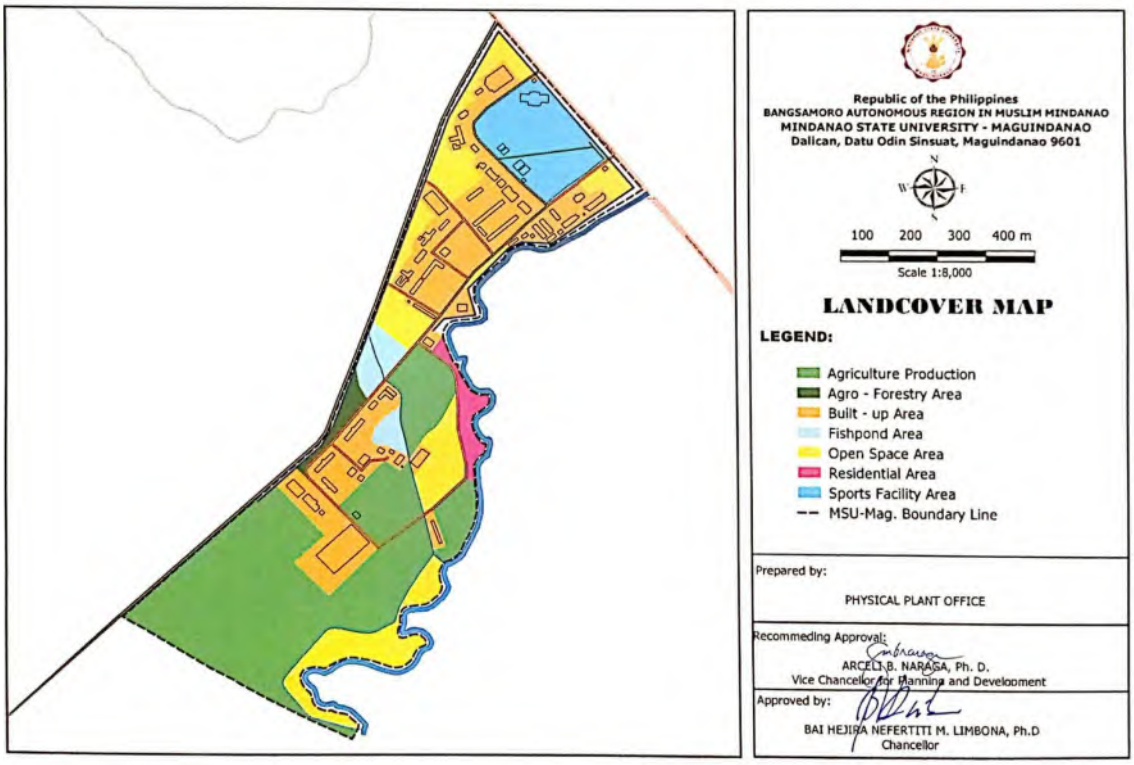


Figure 2. Land Cover Map of MSU-Maguindanao

As shown in Figure 2, the land cover map of MSU-Maguindanao consists of areas for built up areas where the academic buildings are situated. There are also areas for the following: agricultural production, agroforestry, fishpond, open spaces, residential sites, and sports facilities. .

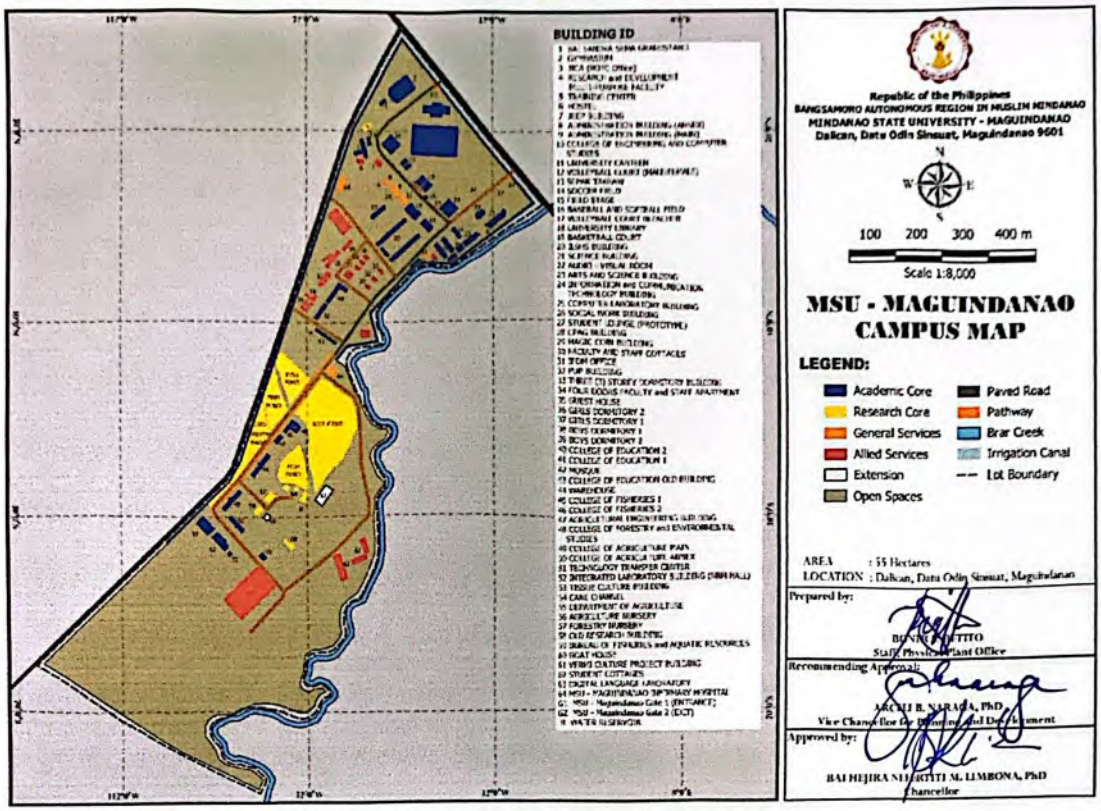


Figure 3. Campus Map of MSU-Maguindanao

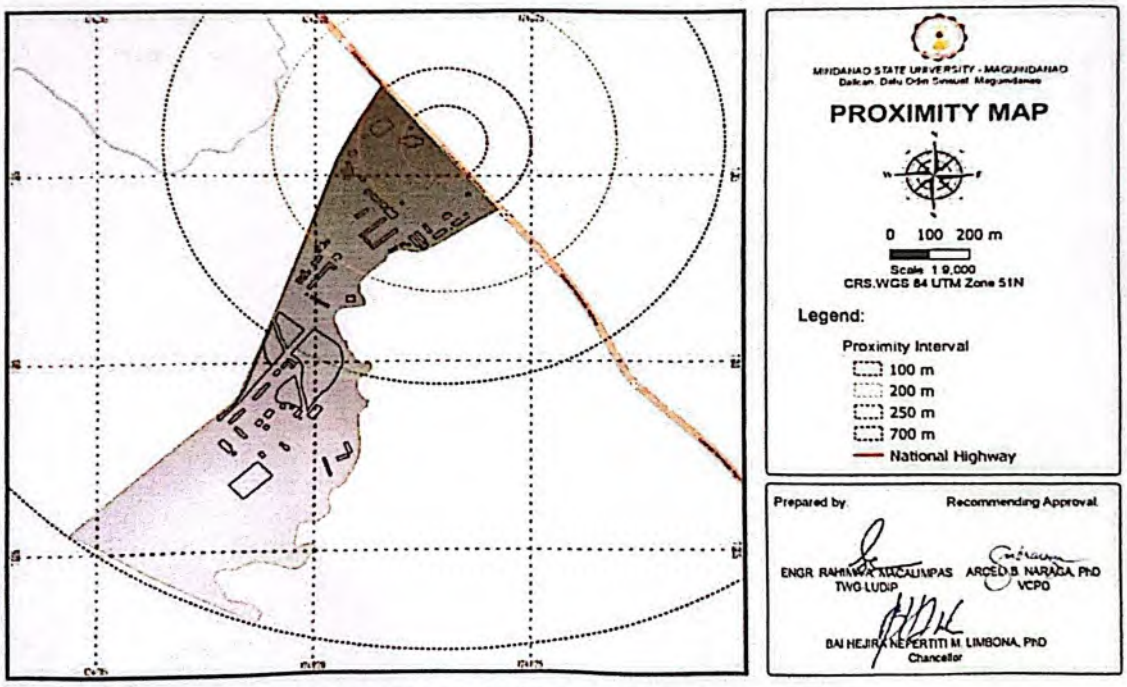


Figure 4. Proximity Map of MSU-Maguindanao

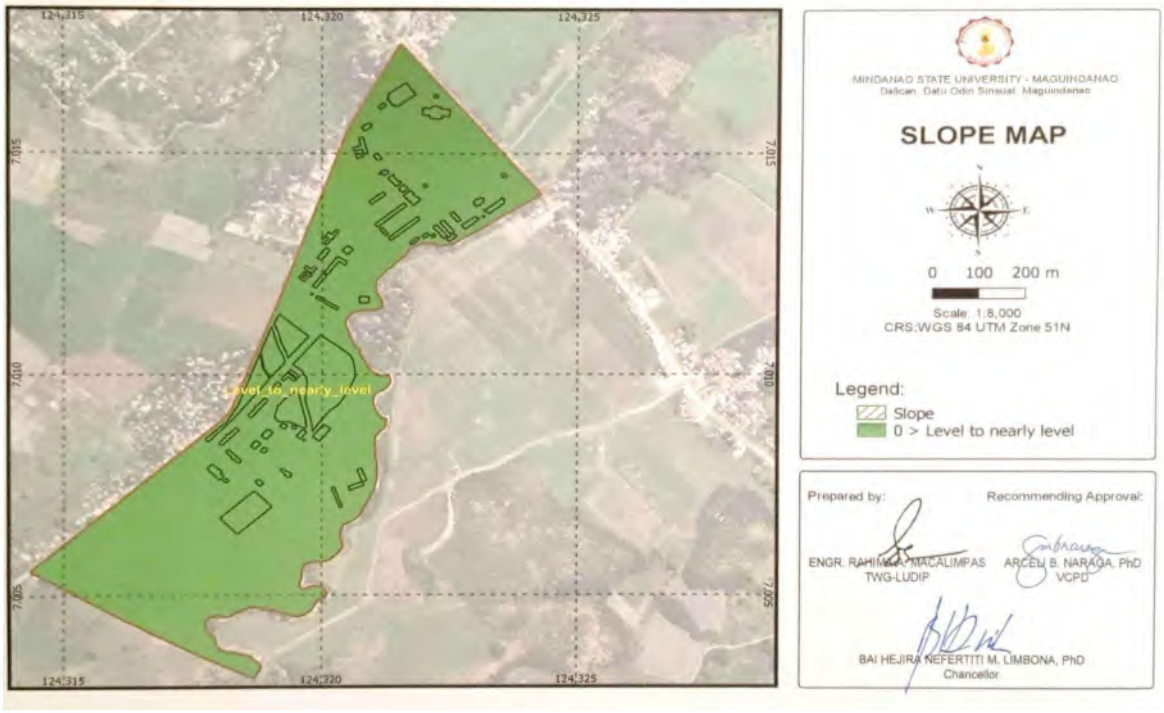


Figure 5. Slope Map of MSU-Maguindanao

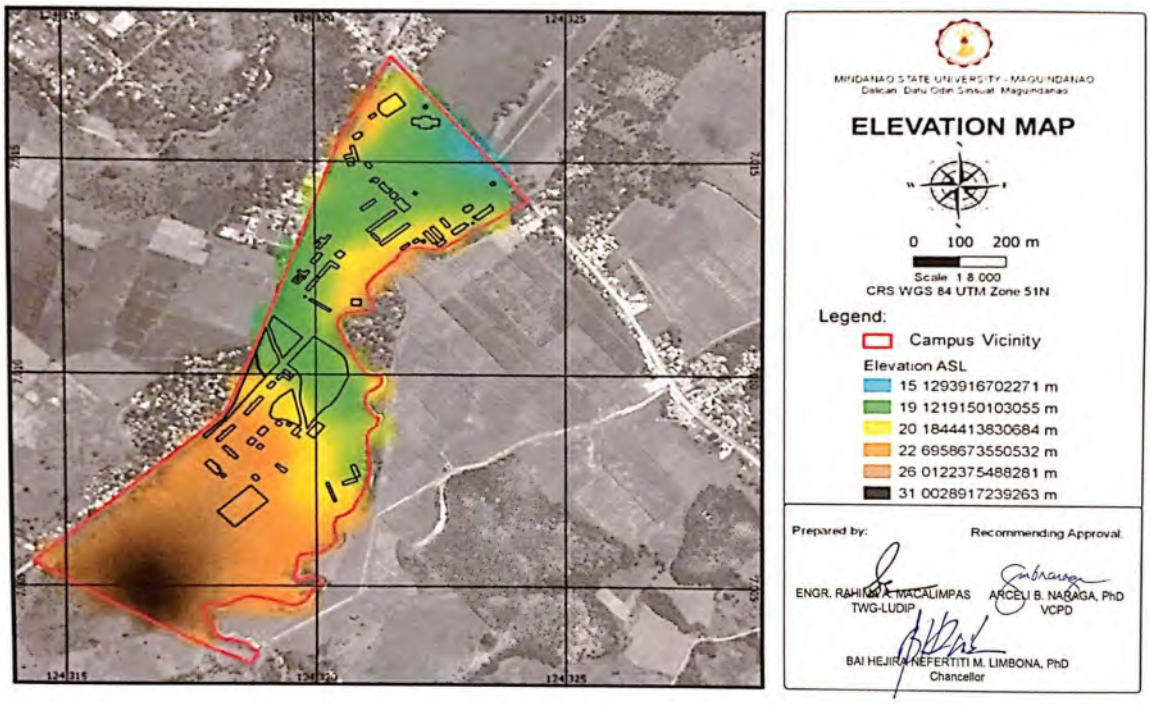


Figure 6. Elevation Map of MSU-Maguindanao

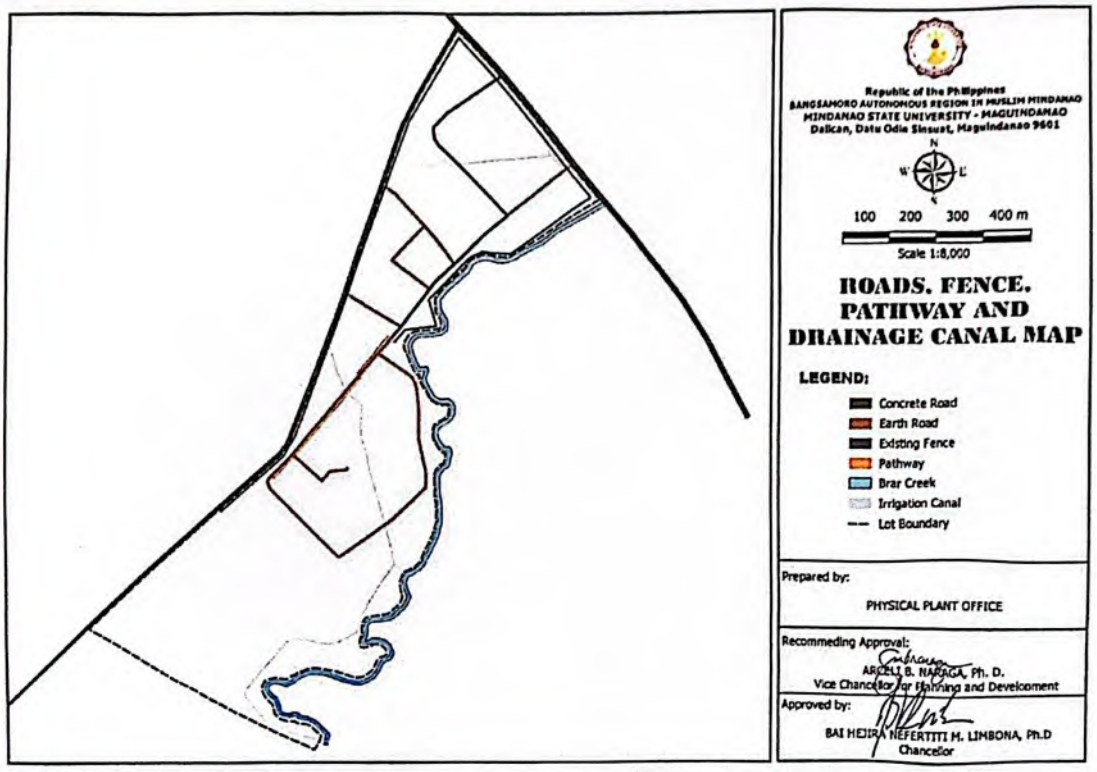


Figure 7. Drainage Map of MSU-Maguindanao

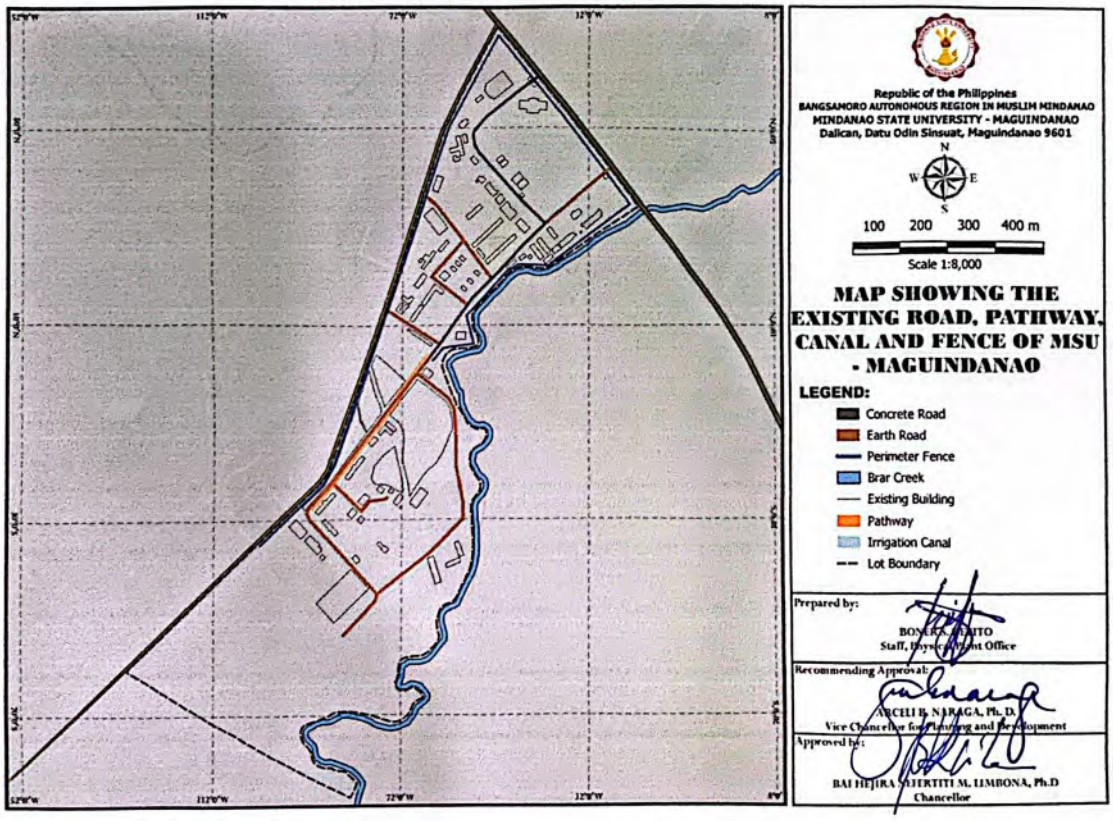
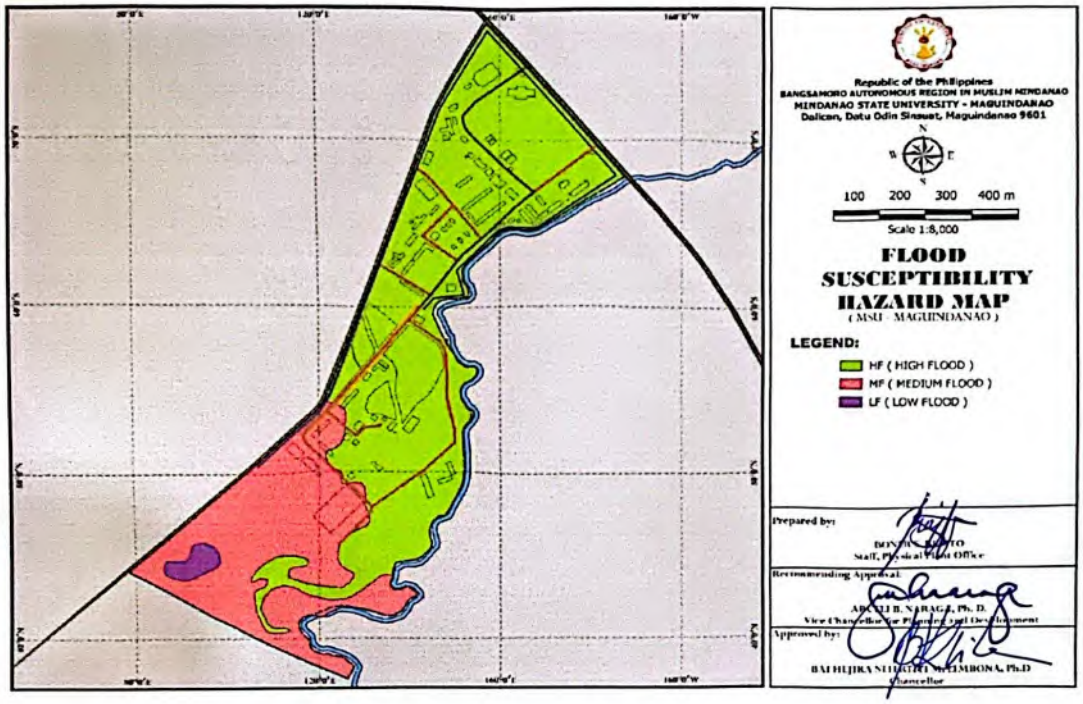


Figure 8. Map Showing the Existing Road, Pathway, Canal and Fence of MSU-Maguindanao

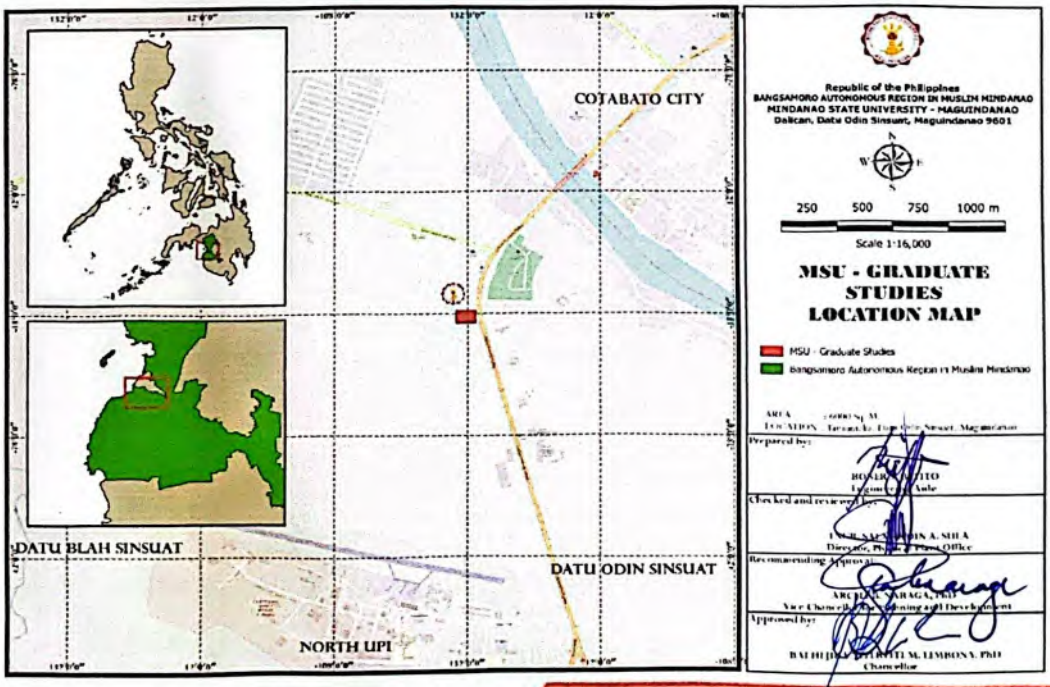
Flood Susceptibility. The campus is susceptible to flood flash as shown in the map below. Hence, proposed infrastructure projects will be established at the upper grounds of the campus.

Figure 9 . Flood Susceptibility Hazard Map of MSU-Maguindanao



On the other hand, the **MSU-Maguindanao Tamontaka Campus** is also along the national highway in the municipality of Datu Odin Sinsuat, Maguindanao del Norte, BARMM. It is where the graduate program classes are conducted. Land Cover Map of the MSU-Maguindanao Tamontaka campus is shown below.

Figure 10. MSU-Maguindanao Tamontaka Campus Land Cover Map



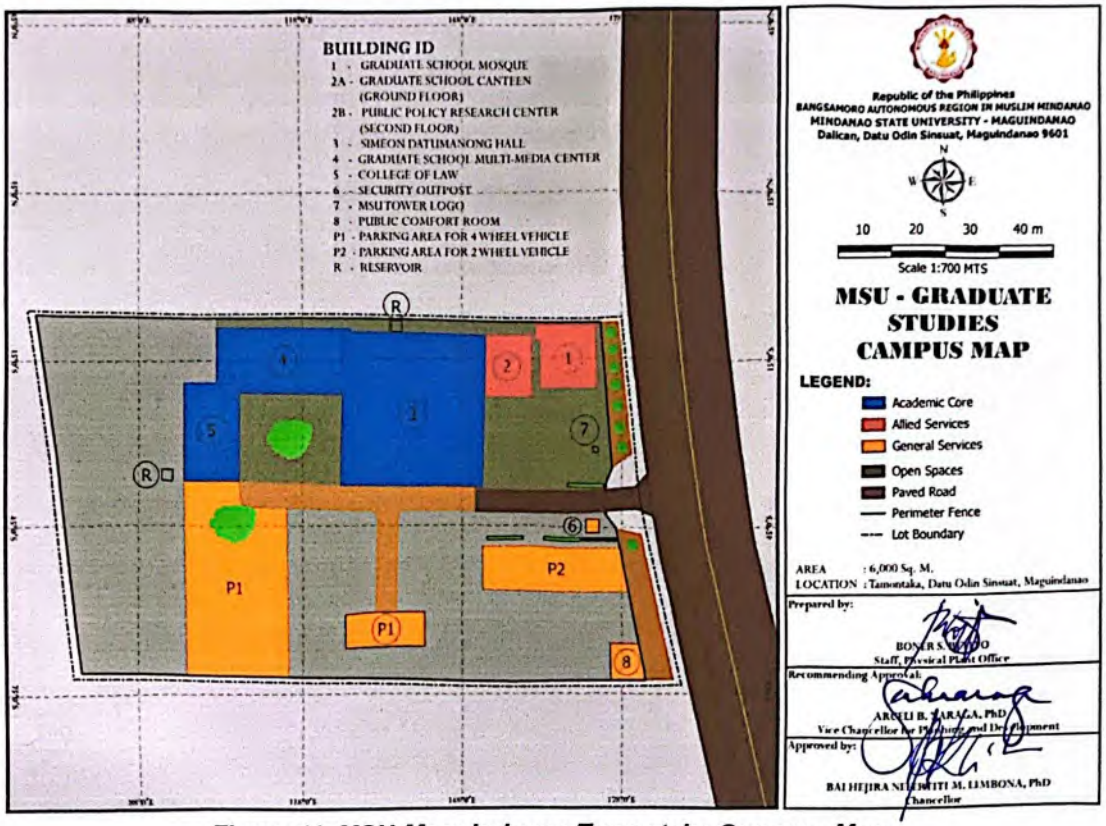


Figure 11. MSU-Maguindanao Tamontaka Campus Map

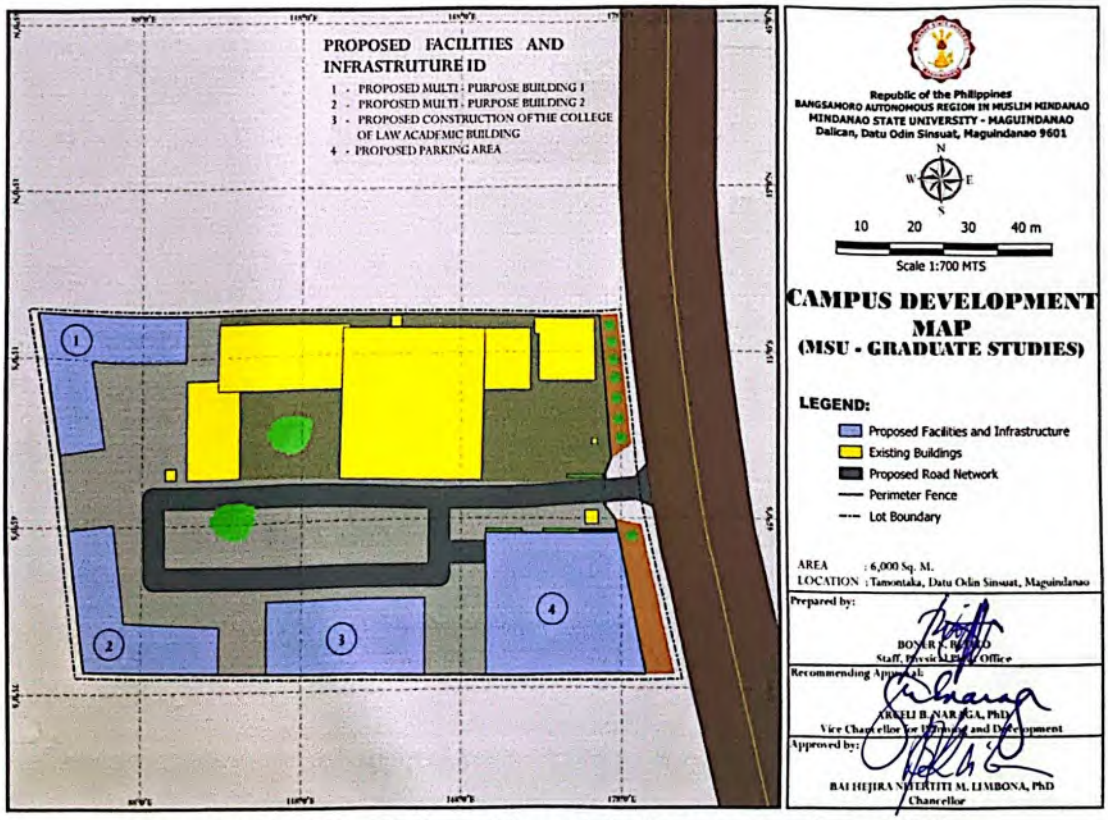


Figure 12. MSU-Maguindanao Tamontaka Campus Development Map

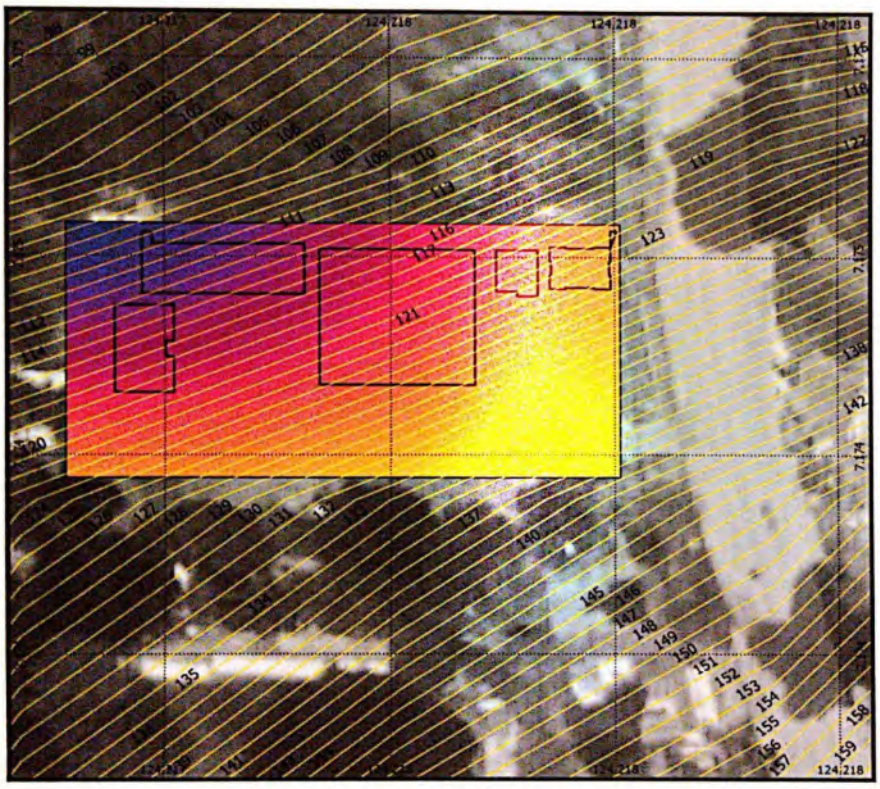


Figure 13. MSU-Maguindanao Tamontaka Campus Contour Map

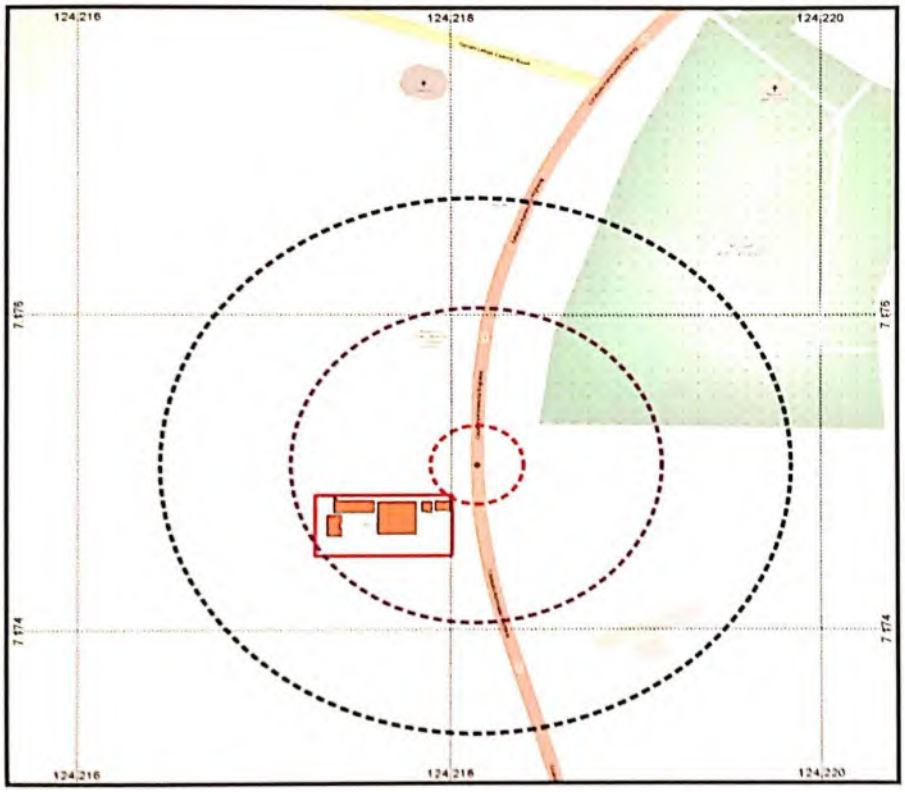


Figure 14. MSU-Maguindanao Tamontaka Campus Proximity Map

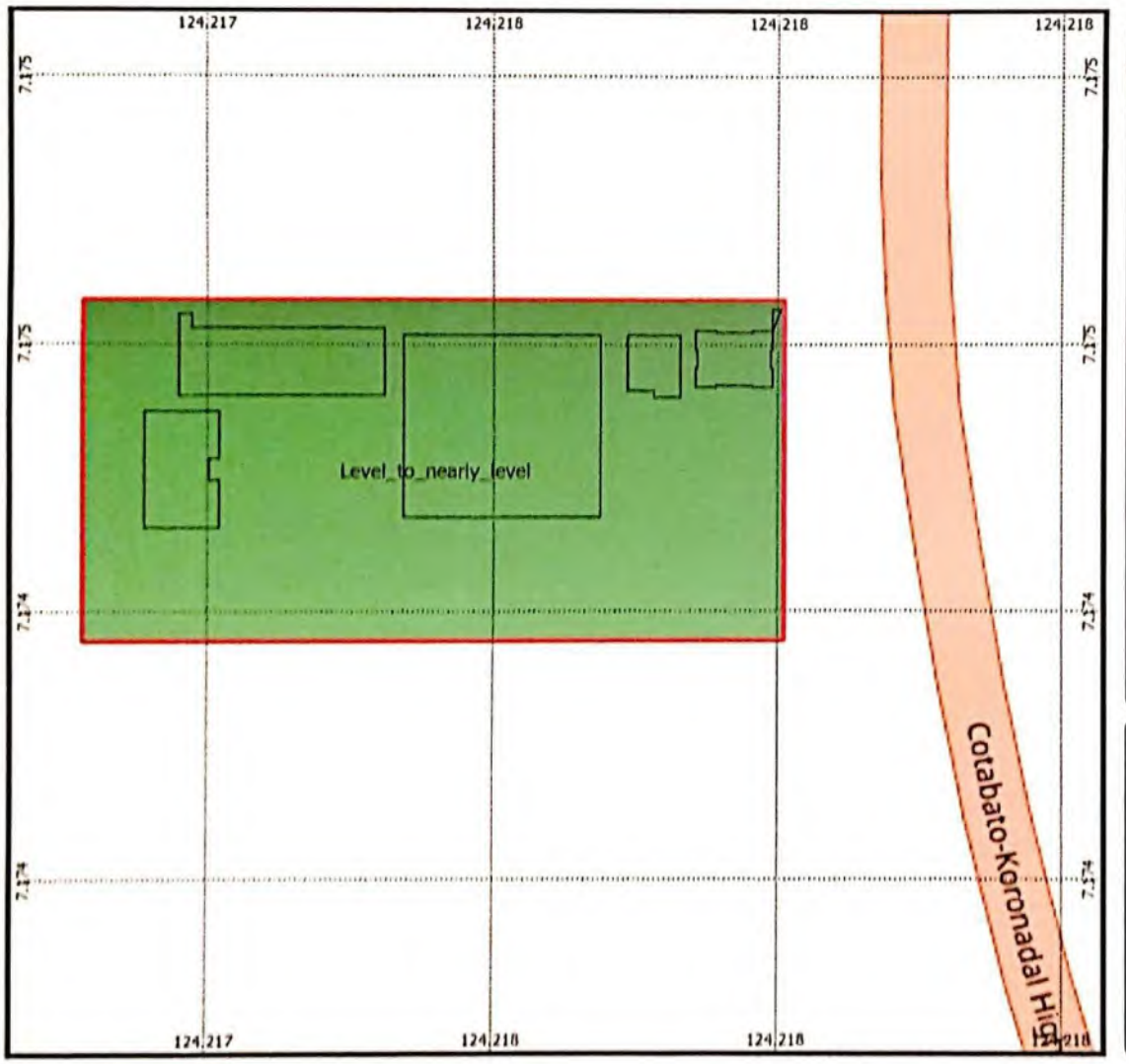


Figure 15. MSU-Maguindanao Tamontaka Campus Slope Map

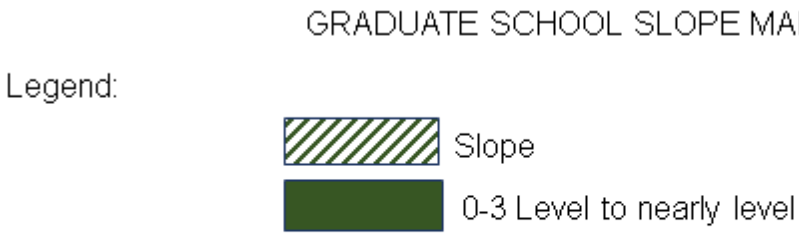




Figure 16. MSU-Maguindanao Tamontaka Campus Elevation Map

GRADUATE SCHOOL ELEVATION MAP

Legend:

GS Campus Vicinity Elevation ASL
39.1532482306162
42.567023591742

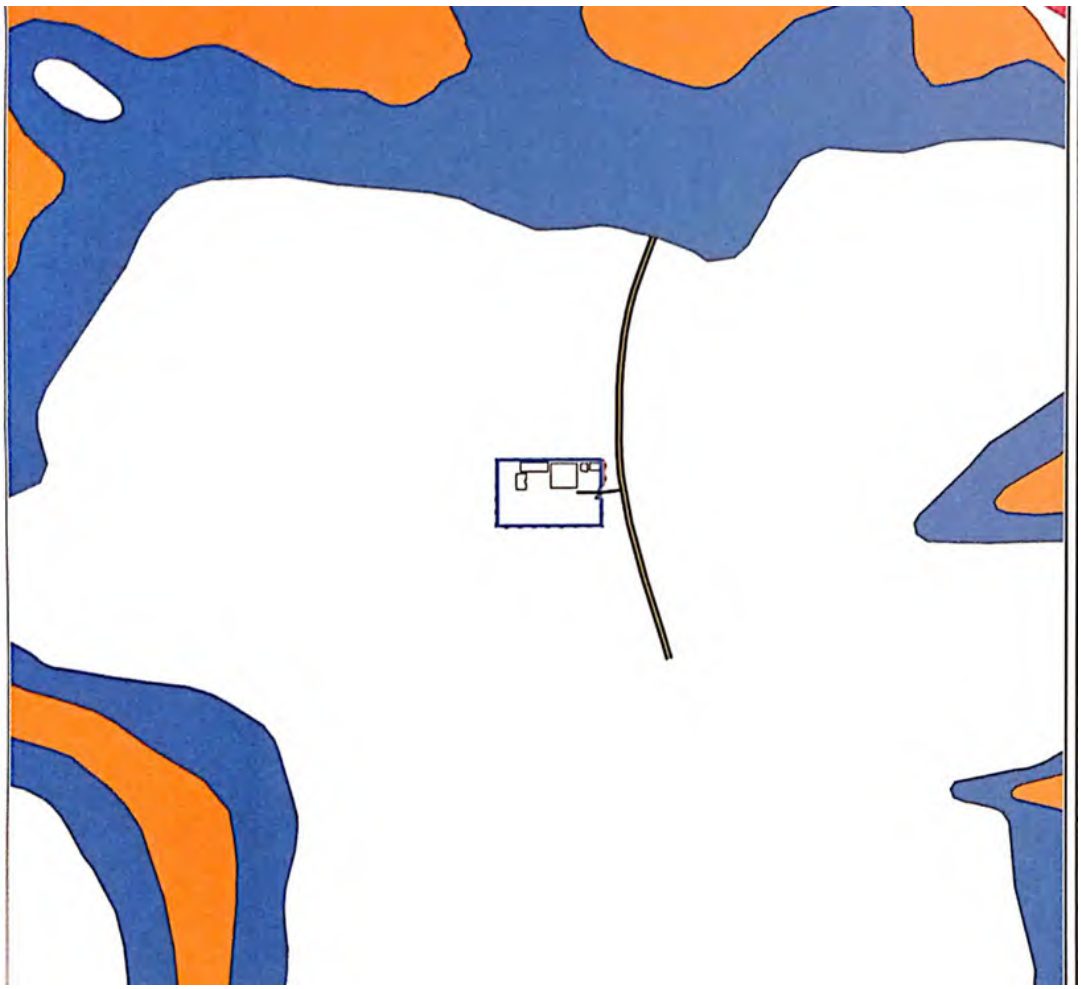


Figure 17. MSU-Maguindanao Tamontaka Campus Flood Susceptibility Hazard Map

A.2. Figure 18. Geotagged Map of MSU-Maguindanao



Geotagged Map of MSU-Maguindanao

LEGEND:

- Academic Services
  - 1Bai Sandra S. Sema Grandstand
  - 2Gymnasium
  - 3JICA (ROTC)
  - 4Training Center
  - 5Jeep Building
  - 6College Engineering and Computer Studies
  - 7Volleyball Court
  - 8Sepak Takraw
  - 9Soccer
  - 10Field Stage
  - 11Baseball Field
  - 12volleyball Court bleacher
  - 13University Library
  - 14Baseball Court
  - 15ILSHS Building
  - 16Science Building
  - 17Audio Visual Building
  - 18College of Arts and Sciences Building
  - 19Information and Communication Technology Building
  - 20Computer Laboratory Building (Smart)
  - 21Social work building
  - 22College of Public Affairs and Governance
  - 23IPDM Office
  - 24Pup Building
  - 25Boys Dormitory 2
  - 26College of Education 2
  - 27College of Education 1
  - 28Old Education Building
  - 29College of Fisheries
  - 30College of Fisheries 2
  - 31College of Agriculture
  - 32College of Forestry and Environmental Studies
  - 33College of Agriculture main
  - 34College of Agriculture Annex
  - 35Technology Transfer Building
- Academic Services
  - 36Integrated Laboratory Building
  - 37Tissue Culture Building
  - 38Care Channel
  - 39Department of Agriculture
  - 40Digital Language Laboratory
- Research Services
  - 41Research and Development Multipurpose Facility
  - 42Agriculture Nurseries
  - 43Forestry Nurseries
  - 44Bureau of Fisheries and Aquatic Resources
  - 45Goat House
- Allied Services
  - 46Magic Coin Building
  - 47Faculty and Staff Cottage
  - 483- Storey Dormitory Building
  - 49Faculty and Staff Apartment
  - 50Guest House
  - 51Girls Dormitory 1
  - 52Girls Dormitory 2
  - 53Boys Dormitory 1
  - 54Mosque
  - 55Student Cottages
  - 56Engineering Building
- General Services
  - 57Administrative Building (Main)
  - 58Administrative Building (Annex)
  - 59University Canteen
- Extension Services
  - 60Vermie Culture Project Building
  - 61MSU- Maguindanao Infirmary Hospital
  - 62MSU- Maguindanao Gate 1 (Entrance)
  - 63MSU- Maguindanao Gate 2 (Exit)

B. Inventory of Landholdings

B.1. Status of Ownership. Inventory of Land holdings of the University.

Table 12. Inventory of land holdings of the University

City/ Municipality/ Province/ Region	Owner	TCT No.	Location	Total Land Area	Actual Land Use	Zoning Classification	Remarks
Datu Odin Sinsuat, Maguindanao del Norte, BARMM	MSU-Maguindanao	TCT-T-40232	Dalican, Datu Odin Sinsuat, Maguindanao del Norte, BARMM	55 hectares	Institutional	Institutional	No idle lands With Affidavit of Recognition of Donation Land Title transfer is in progress
Datu Odin Sinsuat, Maguindanao del Norte, BARMM	MSU-Maguindanao	TCT-T-14926	Tamontaka, Datu Odin Sinsuat, Maguindanao del Norte, BARMM	6 hectares	Institutional	Institutional	No idle lands Land Title transfer is in progress

C. Existing Land Use and Land Use Trends

C.1. Campus Core. The campus core is the unifying element found in the MSU-Maguindanao. It is a cluster of structures and significant elements are preserved as essential references for future development. The campus core includes the campus avenue, the administration building, and the flagpole up to the landmark of the 50th Founding Anniversary situated in front of the University library.



Figure 19. MSU-Maguindanao Administration Building & Flagpole



Figure 20. MSU-Maguindanao 50th Founding Anniversary Landmark

C.2. Core Classification of Academic Buildings and Other Infrastructure. This zone refers to clusters of buildings or areas where academic teaching and research activities are conducted. This zone shall include the College of Arts and Sciences, College of Public Affairs and Governance, College of Education and the Integrated Laboratory Science High School, College of Fisheries, College of Forestry and Environmental Studies, and College of Agriculture.

Table 13. Core Classification of Academic Buildings and Other Infrastructure in MSU-Maguindanao Main Campus

No.	Name of Buildings	Core Classification
1	Bai Sandra Sema Grandstand	Academic
2	Gymnasium	Academic
3	JICA (ROTC Office)	Academic
4	Research and Development Multipurpose facility	Research
5	Training Center	Academic
6	Hostel	Allied Services
7	JEEP Building	Allied Services
8	Administration building (Annex)	General Services
9	Administration Building (Main)	General Services
10	College of Engineering and Computer Studies	Academic
11	University Canteen	General Services
12	Volleyball Court (Male/Female)	Academic
13	Sepak Takraw Field	Academic
14	Soccer Field	Academic
15	Field Stage	Academic
16	Baseball field	Academic
17	Volleyball Court bleacher	Academic
18	University Library	Academic
19	Basketball court	Academic
20	ILSHS Building	Academic
21	Science Building	Academic
22	Audio Visual Building	Academic
23	Arts and Sciences building	Academic
24	Information and Communication Technology Building	Academic
25	Computer Laboratory Building (Smart Campus)	Academic
26	Social Work Building	Academic
27	Student Lounge (Prototype)	Allied Services
28	College of Public Affairs and Governance Building (CPAG)	Academic
29	Magic Coin building	Allied Services

30	Faculty and Staff Cottages	Allied Services
31	IPDM Office	General Services
32	PUP Building	Academic
33	3-Storey Dormitory building	Allied Services
34	Faculty and Staff apartment	Allied Services
35	Guest House	Allied Services
36	Girls Dormitory 2	Allied Services
37	Girls Dormitory 1	Allied Services
38	Boys Dormitory 1	Allied Services
39	Boys Dormitory 2	Allied Services
40	College of Education 2	Academic
41	College of Education 1	Academic
42	Mosque	Allied Services
43	Old Education Building	Academic
44	Warehouse	Allied services
45	College of Fisheries 1	Academic
46	College of Fisheries 2	Academic
47	Agricultural Engineering Building	Academic
48	College of Forestry and Environmental Studies	Academic
49	College of Agriculture (Main)	Academic
50	College of Agriculture (Annex)	Academic
51	Technology Transfer Building	Academic
52	Integrated Laboratory Building (NRM Hall)	Academic
53	Tissue Culture Building	Academic
54	Care Channel	Allied Services
55	Department of Agriculture	Academic
56	Agriculture Nursery	Research
57	Forestry Nursery	Research
58	Old Research building	Extension
59	Bureau of Fisheries and Aquatic Resources	Research
60	Goat House	Research
61	Vermiculture Project Building	Extension
62	Student Cottages	Allied Services
63	Digital Language Laboratory	Academic
64	MSU-Maguindanao Infirmary Hospital	General Services
G1	MSU-Maguindanao Gate 1 (Entrance)	General Services
G2	MSU-Maguindanao Gate 2 (Exit)	General Services
R	Water Reservoir	General Services

C.3. Campus Setting of MSU-Maguindanao Main Campus

MSU-Maguindanao has 67 major buildings and other structures as shown in the core classification of academic buildings and other infrastructure above. They are classified as academic core, research and extension core, allied services, and general services.

C.3.1. Academic Core. This includes classrooms, lecture halls, informal learning spaces, IT/computer rooms, sports and recreation facilities, conference facilities, laboratories, libraries, and study spaces.

Figure 21. Bai Sandra Sema Grandstand



This two-storey building has a total area of 1440 square meters. Six offices and two comfort rooms (including a shower room) are located on the lower floor, while bleachers, a dance area, and a maintenance desk are located on the top floor. This is used as a venue for offices of Sports and Development, Admissions, and Student Affairs. It is also used for university events, rehearsal space for plays, and offices.



Figure 22. Datu Odin Sinsuat Gymnasium

This building has an area of 2160 square meters with a main floor and bleachers, and maintenance deck. There are nine classrooms and four comfort rooms. There's a stage and a basketball court on the main floor, while the maintenance deck and bleachers are on the upper storey. The structure also features doors and windows. It is utilized for symposia, programs, conferences, convocations, big meetings, and other events.



Figure 23. JICA Building (ROTC Office)

This building has a 117 square meter area with two offices. ROTC officers and students use it as their office.



Figure 24. MSU-Maguindanao Training Center

This facility is 675 square meters in total and has a mini conference room, five rooms, a stock room, and a session hall with chairs and long tables. It also offers two rooms and two shared comfort rooms. It functions as a hall for training, review, and seminar sessions, and conference meetings.



Figure 25. College of Engineering and Computer Studies Building

This two-story building has a total area of 351 square meters. Its lower floor has two Offices with two Comfort rooms with one bowl, urinal, lavatory for females and 2 classrooms. The upper floor has 4 Classrooms and 1 Storage room.



Figure 26. Volleyball Court (Male/Female)

There are two outdoor volleyball courts for men and women within the 920 square meter space of this volleyball court. It can hold staff members, students, and fans of the game.



Figure 27. Sepak Takraw Court

This court is 280 square meters in size and includes two Takraw courts of uniform size. It can support two Takraw games playing simultaneously.



Figure 28. Soccer Field

The size of this soccer field is 6400 square meters. Soccer matches are played on the regular-sized soccer field for students and guests.



Figure 29. MSU- Maguindanao Field Stage

The 64 square meter field stage has one elevated stage for sporting events and school activities. It functions as both a dance practice space and a program stage.



Figure 30. Baseball Field

The area of this baseball field is 918 square meters with a diamond field for baseball and softball that is of standard size. One baseball or softball game can be played there at once.



Figure 31. Volleyball Court Bleacher

This is the Outdoor Volleyball Court Bleacher with a total building area of 16 square meters. It has two (2) steel bleachers and one (1) concrete bleacher. It also has three row bleachers for the students, employees, and game spectators. It can accommodate five to ten persons every row.



Figure 32. University Library

This Library building has a total area of 710 square meters with 1 depository area, 2 reading areas, OPAC, borrowing counter, 2 rooms for the technical section and the office of the librarian. It also has Undergraduate thesis section, Graduate thesis section, Circulation section, Reference section, e-library, Periodicals section, 2 comfort rooms, CIEC Office with 3 rooms, Procurement Office.



Figure 33. Basketball Court

This basketball court is 613 square feet in size with a single outdoor basketball court big enough to host a single game. It has two wooden benches, a scoreboard, and an announcer's platform. For students, employees, instructors, and guests, this serves as a basketball court.



Figure 34. Integrated Laboratory Science High School

These buildings have an area of 1780 square meters. The left wing has 1 office, 1 storage room, 8 classrooms and 8 common comfort rooms. Each classroom can accommodate 20-30 students. The right wing has 2 offices, 2 laboratories, 2 lavatories and 5 classrooms. Each room can accommodate 20-30 students. Each wing has a hallway.



Figure 35. MSU-Maguindanao Science Building

The floor space of this building is six hundred twenty (620) square meters. On the lower floor, there is one office and three classrooms; on the upper floor, there is one office, two laboratories, and one classroom. Every classroom has space for 30 to 35 people.



Figure 36. MSU-Maguindanao Audio-Visual Room

With a 297 square meter floor space, this facility features three plant boxes, a backstage, an elevated stage, a comfort room, an operator's room, bleachers, and a corridor. Meetings, programs, seminars, training, reviews, and presentations are held there.



Figure 37. MSU-Maguindanao College of Arts and Sciences Building

The floor space of this building is five hundred seventy (570) square meters. On the ground floor, there are four offices, two common comfort rooms, a restroom, and a space for ablution. There is one student lounge and seven (7) classrooms on the upper floor, each with space for thirty to thirty-five students.



Figure 38. Information and Communication Technology Building

This two-storey structure has 243 square meters in total size. The upper floor features one office, two computer labs, and one comfort and restroom. The ground floor has four classrooms, each of which can hold thirty to thirty-five students.



Figure 39. Computer Laboratory Building (Smart Campus)

This is the Computer Laboratory or Smart Campus Building with one hundred forty-four (144) square meters total area. It can accommodate up to seventy-two students. The computer laboratory serves as the center for teaching computer use to whole classes. Classroom teachers also use the lab with their classes for creating technology-based projects.



Figure 40. MSU-Maguindanao Social Work (CPAG) Building

The overall size of this two-storey building is 220 square meters. There are two classrooms on the lower floor, a shared comfort area with restrooms.



Figure 41. College of Public Affairs and Governance

The total size of this structure is 918 square meters. There are three classrooms, a faculty lounge, and an office in the right wing. Its left-wing houses four classrooms and one accreditation room. 30 to 40 students can be accommodated in each classroom. It benefits students pursuing bachelor's degrees in social work, public administration, and sustainable community development.



Figure 42. PUP Building

This is the Pre-University Program (PUP) Building that has a total area of 209 square meters with 2 Offices, 2 classrooms and 1 Comfort room. Each classroom can accommodate 20-30 students. The building accommodates the College Bound Program students and other rooms serve as room for classes.



Figure 43. College of Education 2 Building

This is the College of Education 2 Building with seven hundred sixty-four (764) square meters total building area. It has seven (7) 2-door classrooms, one (1) lobby with steel railing and two (2) comfort rooms.



Figure 44. College of Education 1 Building

This is the College of Education 1 building. It covers four hundred seventy (470) square meters of total building area. It has five (5) classrooms; three (3) are used as Faculty Lounge, Dean's Office, Accreditation Room and two (2) classrooms. It has a lobby with concrete railings, one (1) comfort room, and one (1) lavatory and one (1) comfort room.



Figure 45. College of Education Old Building

This is the College of Education Old Building with one hundred ten (110) square meter building area. It has four (4) classrooms and each classroom can accommodate twenty to twenty-five students.



Figure 46. College of Fisheries 1 Building

This is the College of Fisheries 1 Building with three hundred ninety-two (392) square meter building area. It has six (6) classrooms, one (1) faculty lounge, 1 laboratory processing room, 1 accreditation room and 3 classrooms, one (1) comfort room for students and one (1) kitchen.



Figure 47. College of Fisheries 2 Building

This is the College of Fisheries 2 Building with two hundred nine (209) square meter building area. It has three (3) rooms, one (1) Dean's Office and one (1) room for faculty with same entrance and exit door, one (1) comfort room for faculty and one (1) for students, one (1) multimedia room with 1 entrance door and 1 exit door, one (1) built-in projector, forty (40) pieces chairs for students and six (6) pieces faculty table and chairs.



Figure 48. Agricultural Engineering Building

This Agricultural Engineering building has 236 square meters total building area. It has two classrooms, 15 long wooden chairs; 42 plastic chairs, 30 drawing tables, 30 bookstands and 2 chalkboards. Each classroom can accommodate 30 to 35 students. It also has one office with 4 office tables, 4 office chairs, 1 bulletin board and 2 cabinets, 1 comfort room for faculty and 1 faucet, 1 comfort room outside the building for students. There is also a faculty or student lounge in front of the ABE building with a concrete built-in chair and workbench.

Figure 49. College of Forestry and Environmental Studies Building





This is the College of Forestry and Environmental Studies building with 692 square meters total building area. It has 6 classrooms with 30 armchairs and 1 chalkboard in each classroom. Each classroom can accommodate 30 to 35 students. It also has 1 comfort room (male, female and PWD) for faculty, staffs and visitors; 1 office for dean or accreditation room with cabinets, air conditioner, tables, chairs and 2 ceiling fans; 1 faculty office with 8 tables, 8 executive chairs, 2 air conditioner,1 projector, 1 smart TV, and cabinets; 1 lobby area; WIFI shed besides Forestry building with log bench chairs; and Forestry shed in front of the Forestry building with long bench chair and table.



Figure 50. College of Agriculture (Annex)

This is the College of Agriculture Main Building with three hundred seventy (370) square meters total of building area. It consists of 2 classrooms with 35 plastic chairs, 1 blackboard, 4 ceiling fans and 4 lights for each classroom and 1 study room, 1 common comfort room; 1 common prayer room; hallway and porch.



Figure 51. College of Agriculture (Main)

This is the College of Agriculture Main Building with seven hundred eight (708) square meters total building area. It has 1 accreditation room, 3 classrooms, 1 soil laboratory, 3 faculty offices; a hallway and a porch. It also has an elevated stage in front of the building.



Figure 52. Technology Transfer Building

This building has a 404 square meter building area. On the ground floor, it has 4 laboratory rooms, 1 comfort room, a lobby, a hallway, and a porch. While on the second floor, it has 2 conference rooms.



Figure 53. Integrated Laboratory Building (Nazarollah R. Macalandong Hall)

This is the Nazarollah R. Macalandong Hall or the Integrated Laboratory Building with six hundred forty-eight (648) square meters total building area. It has 1 animal laboratory with concrete hang lavatory; 1 Surveying and Geodetic Spatial Laboratory with plastic chairs; 1 Forestry Laboratory with plastic chairs, 1 Agronomy and Farming System with concrete hang lavatory with sink and faucet; 1 Food and Nutrition laboratory with concrete hang lavatory with sink and faucet; 1 Fermentation room, 1 classroom; 1 storage room, and comfort room.



Figure 54. Tissue Culture Building

This is the Tissue Culture Building with eighty-one (81) square meter total building area. It has 2 offices. It has a lobby and a lavatory with a sink and faucet.

Figure 55. Department of Agriculture Building



This is the Department of Agriculture Building with eighty (80) square meter total building area. It has 1 office, and a lobby.



Figure 56. Digital Language Laboratory

This is the Digital Language Laboratory that has one hundred forty-four (144) square meters total area. It can accommodate up to forty-eight. This laboratory enhanced the language teaching environment to be more effective than a traditional text-book or lecture based class, especially when using communicative language teaching strategies which aim to develop students oral language proficiency and listening skills.

C.3.2. Research Core. This Includes facilities intended for research activities.



Figure 57. Research and Development Multipurpose Facility

This building has a total area of 240 sq.m with 4 Offices, 1 Conference Hall and 2 Comfort Rooms. This office takes charge of the research, extension, and development in the University.



Figure 58. Agriculture Nursery

This is the Agriculture Nursery with one hundred seventy (170) square meters total building area. It has seedlings, nursery tools and equipment, and a water system.



Figure 59. Forestry Nursery

This is the Forestry Nursery with one hundred seventy (170) square meters total building area. It has seedlings, nursery tools and equipment, and a water system.



Figure 60. Bureau of Fisheries and Aquatic Resources facility

This is the Bureau of Fisheries and Aquatic Resources facility with a total building area of three hundred twenty (320) square meters. It has 1 DAF-BFAR Office, 1 comfort room, 1 study shed, 1 fishpond and 1 reservoir that can store up to 1,000 liters of water.



Figure 61. Goat House

This is the Goat House with a total building area of one hundred six (106) square meters. It has 3 stall barns. One (1) stall barn can accommodate 20 to 30 goats, the second stall barn can accommodate 15 to 20 goats and the third stall barn is for breeding.

C.3.3. Allied Services. This includes infrastructure intended for public use such as the public facilities and dormitories.



Figure 62. Hostel

This 130 square meter building contains three comfortable rooms, a visitor's lounge, and other spaces. This is used as a guest house.



Figure 63. JEEP Building

This building has a 218 square meter area with 2 floors. The lower floor has 2 Offices, 2 Comfort rooms and 1 Stock room while the upper floor has 3 Offices, 1 Stockroom and 1 Lobby.It houses the offices of the Physical Plant Division, Quality Management Services Office, and the Supply and Property Office,



Figure 64. Student Lounge

This is the Prototype Student Lounge with a total building area of _____ square meters. This Student Lounge is a comfortable area open to students for gathering, studying, and relaxing between classes.



Figure 65. Magic Coin

This building has two floors and a total space of 60 square meters. There is a lounge and a shared comfort room. This serves as the Office of the cooperative members and officers.



Figure 66. Faculty and Staff Cottages

This is the Faculty and Staff Cottages with 91 square meter area in every unit. It is composed of five (5) cottages. Each cottage or unit has two bedrooms, one comfort room, a dining table, living room and porch.



Figure 67. Faculty and Staff Apartment

This is the Faculty and Staff Apartment with two one hundred ninety-six (196) square meters building area. Each unit has two bedrooms, one comfort room, a dining table and a living room.



Figure 68. 3-Storey Dormitory Building

This is the 3-Storey Dormitory Building with 790 square meters total building area. On the lower floor, it has three (3) bedrooms, two (2) study rooms or conference hall, two (2) dining rooms, two (2) kitchens with storage room, two (2) laundry areas, two (2) drying areas, two (2) outside drying with cover, one (1) utility room, one (1) electric room, two (2) exit doors for male and female and two (2) ramps. On the upper floor, it has eleven (11) bedrooms, two (2) fire exits and one (1) hallway. While on the roof deck is a study area or conference hall. This is an ongoing project funded by the BARMM.



Figure 69. Guest house

This is the Guest house with one hundred forty-three (143) square meters total building area. It has a dining area, kitchen, porch, two (2) offices and a terrace on the lower floor. On the upper floor, it has two (2) rooms, two (2) bedrooms and one (1) comfort room. It has only one room in the basement. This serves as a visitor's home.



Figure 70. Girls Dormitory 2

This is the New Girls Dormitory with three hundred eighty-two (382) square meter building area. On the lower floor, it has ten (10) bedrooms, two (2) double deck beds, one (1) comfort room, a built-in cabinet in every room, kitchen and sink, dirty kitchen, charging area and water tank. While on the upper floor, it also has ten (10) bedrooms, two (2) double deck beds, one (1) comfort room and a built-in cabinet in every room.



Figure 71. Girls Dormitory 1

This is the Old girls Dormitory with four hundred forty (440) square meter building area. On the lower floor, it has eleven (11) bedrooms, one (1) manager's office, three (3) double deck beds, two (2) lobbies, one (1) dirty kitchen, one (1) dining room and one (1) comfort room for male and female. While on the upper floor, it has twelve (12) bedrooms with three (3) double deck beds, one (1) study room and one (1) lobby.



Figure 72. Boys Dormitory 1

This is the Old Boys Dormitory with three hundred fourteen (314) square meter building area. It is a one (1) storey building that has eight (8) bedrooms, two (2) double deck beds, one (1) dirty kitchen, one (1) dining area and two (2) comfort rooms separately outside the building.



Figure 73. Boys Dormitory 2

This is the New Boys Dormitory with four hundred four (404) square meter total building area. It has five (5) bedrooms, six (6) double deck beds with two (2) doors; 2 bedrooms, 2 double deck beds with one door; 1 bedroom, 3 double deck beds with 1 door; 1 guest room, 2 single bed with 1 door; 1 office room; and 2 comfort rooms separately built outside the building.



Figure 74. Mosque

This is the Campus Mosque with two hundred sixty (260) square meter building area. It is a one (1) storey building that can accommodate four hundred persons. It has one (1) ablution area with eight (8) faucets, one (1) comfort room and one (1) manual Jetmatic pump.



Figure 75. Warehouse

This is the Warehouse with 162 square meter building area. This is used as a storage of equipment and machinery with six (6) meters entrance and nine (9) windows.



Figure 76. Care Channel Building

This is the Care Channel Building with a total building area of four hundred sixty-two (462) square meters. It has 3 staff houses; 2 bedrooms for each staff house; 1 bedroom inclusion with 5 tables, 5 ceiling fans, and 1 CCTV; 1 office with 10 cabinets, 10 tables, 1 oven, 3 electric fans, 36 chairs, 7 lights, 2 speakers, 2 printers and 1 photocopy machine; 1 Training Center with 9 tables, 2 cabinets, and 9 lights; 1 Goat Barn with 3 CCTVs, 4 solar lights, 10 pins, 5 stall barns; and 1 nursery.



Figure 77. Student Cottages

This is the Student Cottages with eight hundred sixty-four (864) square meter total building area. It has 10 rooms, each room has 2 ceiling fans and lights with double deck beds; and 9 individual rooms, each room has 1 ceiling fan and light with double deck beds.

C.3.4. General Services. This includes facilities such as academic and administrative offices, and staff facilities,



Figure 78. Administration Building (Annex)

This two-storey building has a total area of 174 square meters. The lower floor has 2 Offices, 2 Comfort rooms with 2 lavatories, and 1 stockroom. For the upper floor, it has 2 Offices and a lobby. Offices situated in this building are the Program Accreditation Services Office, Office of the Vice Chancellor for Planning and Development, Office of the Vice Chancellors for Administration and Finance, and Office of the Vice Chancellor for Academic Affairs.



Figure 79. Administration Building (Main)

This two-storey building has an area of 546 square meters. The ground floor has 4 Officesand 2 Comfort rooms. The second floor has the Chancellor's Office, 6 Offices and 1 Comfort room.



Figure 80. University Canteen

This canteen building has an area of 285 square meters with 8 stalls (4 on each side), 2 common comfort rooms. It also has 14 tables with long chairs on each side.



Figure 81. Institute for Peace and Development in Mindanao (IPDM) Office

This building has a total area of 108 square meters with 1 Office, 1 Comfort room and lavatory.



Figure 82. MSU-Maguindanao Infirmary Hospital

This Infirmary hospital is responsive to the health and medical needs of the increasing student population, as well as the university personnel and the surrounding community. It is also a preparation for the University's aim to offer medical related programs in the near future.



Figure 83. MSU-Maguindanao Gate 1 (Entrance)

The main gate of the university took up 5 square meters. It serves as the university's point of entrance and can hold any car that is four meters or less in height.



Figure 84. MSU-Maguindanao Gate 2 (Exit)

The second gate of the university took up 5 square meters. It is the university's point of departure and can handle any car that is four meters or less in height.



Figure 85. Water Reservoir 1

Reservoir 1 occupies a twenty-five (25) square meters area. It is a cylindrical steel tank that can store up to forty thousand (40,000) liters of water.



Figure 86. Water Reservoir 2

Reservoir 2 occupies a 9 square meters area. It is a Polyethylene Tank that can store up to one thousand (1,000) liters of water.



Figure 87. Water Reservoir 3

Reservoir 3 which occupies 25 square meters area is a cylindrical steel tank that can store up to forty thousand (40,000) liters of water.



Figure 88. Water Reservoir 4

Reservoir 4 occupies a twenty-five (25) square meters area and has a concrete water tank that can store up to twenty thousand (10,000) liters of water.

C.3.5. Extension



Figure 89. Old Research Building

This Old Research Building has ninety-six (96) square meters total building area. It has two (2) offices with tables and chairs, a common comfort room, and a Faculty or Staff lounge. It is now under renovation.



Figure 90. Vermiculture Project Building

This is the Vermiculture project building with a total building area of two hundred sixty (260) square meters. It has 1 storage room for equipment, 3 concrete boxes for vermi composting, 1 jet pump and 1 reservoir that can store up to 1,000 liters of water.

C.4. Figure 91. Geotagged Map of MSU-MaguindanaoTamontaka Campus



LEGEND:

- MSU-Maguindanao Graduate School
- 1 Graduate School Mosque
- 2 Graduate School Canteen
- 3 Public Policy Research Center
- 4 Semeon Datumanong Hall
- 5 Graduate School Multi- Media Center
- 6 College of law
- 7 Security outpost
- 8 MSU Tower Logo
- 9 Public Confort Room
- 10 P- Parking Lot
- 11 R- Reservoir

N

0 10 20 30 m

C.5. Core Classification of Academic Buildings and Other Infrastructure of the Tamontaka Campus

This zone refers to clusters of buildings or areas where academic teaching and research activities are conducted in the Graduate Studies

Core Classification of Academic Buildings and Other Infrastructure in MSU-Maguindanao Tamontaka Campus

Table 14. Core Classification of Academic Buildings

No.	Name of Buildings	Core Classification
1	Graduate Studies Mosque	Allied Services
2	Public Policy Research Center	Academic
3	Canteen	Academic
4	Simeon Datumanong Hall	Academic
5	Multimedia Center	Academic
6	College of Law	Academic
7	Security Outpost	Allied Services
8	MSU Tower Logo/Arc	General Services
9	Parking Area	General Services
10	Reservoir	General Services

C.5.1. Allied Services Core



Figure 92. Graduate Studies Mosque

This structure encompasses a total area of 56.76 square meters. It comprises 4 entrances, 6 windows, 2 restrooms, and two washrooms. It has the capacity to accommodate 28 individuals. This establishment functions as the designated prayer space for the Muslim students, faculty and staff of MSU-Maguindanao.



Figure 93. Tamontaka Campus Security Outpost

This building occupied 18 sq. m area. It has a chair, control system and vehicle access control. It secures the campus premises and all nearby areas.

C.5.2. Academic Core



Figure 94. Public Policy Research Center and Canteen

This building is a two- storey structure and has a total area of 35 square meters. It has two comfort rooms. The ground floor is the campus canteen, while the second floor is where the Public Policy Research Center is situated.



Figure 95. Simeon Datumanong Hall

This building encompasses a total area of 460 square meters and is spread across two floors. The primary floor comprises 6 rooms, each equipped with complete facilities. Additionally, it is furnished with tables, chairs, electric fans, air conditioning units and televisions. The ground floor also features a kitchen, a female comfort room with a counter sink, 2 lavatories, and an Intelligent Temperature Disinfection Channel. This facility is specifically designed to cater to the needs of master's students and has the capacity to accommodate a total of 230 individuals.



Figure 96. Multi Media Center

This 204 square meter building has one office, one multimedia room furnished with chairs and tables, air conditioning, ceiling and electric fans. and one comfort room. It can hold 84 people at the very least. In order to make teaching and learning more responsive to the needs of the learners, it offers audiovisual equipment, print and non-print instructional materials, and both to the instructors and students.



Figure 97. College of Law Building

This building has an area of 110.25 sq.m with a two-storey building with 1 balcony and lobby, 4 classrooms, 2 comfort rooms. Each room has tables, chairs, cabinets, AC, whiteboard and wall fans. It can accommodate at least 16-18 persons per room. It is also designed to accommodate many different activities at one time like conference, seminars, practice and many more.

C.5.3. General Services Core





Figure 98. MSU-Maguindanao Tower Logo/Arc

This tower logo or arc has a 5.50 square meter building area. It is the wall sign of MSU-Maguindanao Graduate School.





Figure 99. Tamontaka Campus Parking Area



Figure 100. Tamontaka Campus Reservoir

Tamontaka Campus reservoir occupies a 9 square meters area. It is a Polyethylene Tank that can store up to one thousand (1,000) liters of water.

C.6. Current and Potential Income Generating Projects and Facilities

Table 15. Current Income Generating Projects

Type	Name	Location	Land Area/Floor Area	Revenue Model	Revenue in Php (Recent Year)
Stalls	University Canteen	Near Administration Building	-	Rental	190,100.00
Vendor Stalls	Turo-Turo	Various Colleges	-	Rental	2,400.00
Building	Dormitories and Cottages	Dormitory and Cottages Site	-	Rental	432,980.00
Water Vendo	Drinking Water	College of Agriculture	-	Retail	4,980.00
Car Pass	Stickers	CIEC	-	Retail	12,550.00
Farming	Rice and Vegetables	Farm Lot	2 hectares	Harvest	132,232.00
Farming	Fruits and Copra	Farm Lot	3 hectares	Harvest	17,680.00
Vermicompost	Organic Fertilizer	Farm Lot	200 square meters	Harvest	3,250.00

Table 16. Summary of Proposed Income Generating Projects

Income Generating Project	Location	Requirement	Required Floor Area	Estimated Construction Cost (Php)
University Cafeteria	College of Agriculture Area	New Construction	500 square meters	10,000,000.00
Commercial Building	Near DOS Gymnasium	New Construction	500 square meters	15,000,000.00

C.7. Geographical Description and Survey of the Site of Dormitories

Table 17. Dormitories, Location, and Occupancy

Dormitories	Location	Number of Occupancy	Floor Area
Girls Dormitory 2	At the left side of Girls Dormitory 1	80	382 square meters
Girls Dormitory 1	at the back of the College of Education 2 building	96	440 square meters
Boys Dormitory 1	at the back of the College of Education 1 building	32	314 square meters
Boys Dormitory 2	At the right side of Boys Dormitory 1	64	404 square meters
3-Storey Dormitory Building	Beside Infirmary Hospital	-	790 square meters

C.8. Geographical Description and Survey of the Site of Housing for Employees

Table 18. Cottages, Location, and Occupancy

Cottages	Location	Number of Occupancy	Floor Area
Faculty and Staff Cottage	Between ILSHS and College of Education	20	91.26 square meters per unit
Faculty and Staff Apartment	Beside Girls Dormitory 2	16	196 square meters

D. Infrastructure and Facilities

D.1. Inventory of All Existing Buildings, Facilities, and Other Infrastructure and their Status

Table 19. Inventory of Existing Buildings re Status

No.	Infrastructure and Facilities	Status
1	Bai Sandra Sema Grandstand	F, SR
2	Datu Odin Sinsuat Gymnasium	F, SR
3	JICA (ROTC Office)	F, SR
4	Research and Development Multipurpose facility	F
5	Training Center	F, SR
6	Hostel	F, SR
7	Jeep Building	SR, F
8	Administration building (Annex)	SR, F
9	Administration Building (Main)	F
10	College of Engineering and Computer Studies	F, SR
11	University Canteen	F, SR
12	University Library	F, SR
13	ILSHS Building	F, SR
13	Science Building	F
14	Audio Visual Building	F, SR
15	Arts and Sciences building	F, SR
16	Information and Communication Technology Building	F, SR
17	Computer Laboratory Building (Smart Campus)	F
18	Social Work Building	F, SR
19	Student Lounge (Prototype)	F, SR
20	College of Public Affairs and Governance Building (CPAG)	F, SR
21	Magic Coin building	F, SR
22	Faculty and Staff Cottages	F, SR, PD
23	IPDM Office	F, SR
24	PUP Building	F, SR, PD
25	3-Storey Dormitory building	Not yet finished
26	Faculty and Staff apartment	F, SR, PD
27	Guest House	F
28	Girls Dormitory 2	F, SR
29	Girls Dormitory 1	F, SR
30	Boys Dormitory 1	F, SR
31	Boys Dormitory 2	F, SR
32	College of Education 2	F, SR
33	College of Education 1	F, SR
34	Mosque	F, SR
35	Old Education Building	F, SR
36	Warehouse	F, SR

37	College of Fisheries 1	F, SR
38	College of Fisheries 2	F, SR
39	Agricultural Engineering Building	F, SR
40	College of Forestry and Environmental Studies	F, SR
41	College of Agriculture (Main)	F, SR
42	College of Agriculture (Annex)	F, SR
43	Technology Transfer Building	F
44	Integrated Laboratory Building (NRM Hall)	F
45	Tissue Culture Building	F, SR
46	Care Channel	F
47	Department of Agriculture	F
48	Agriculture Nursery	F, SR
49	Forestry Nursery	F, SR
50	Old Research building	F, SR
51	Bureau of Fisheries and Aquatic Resources	F
52	Goat House	F, SR
53	Vermiculture Project Building	F, SR
54	Student Cottages	F, SR
55	Digital Language Laboratory	F
56	MSU-Maguindanao Infirmary Hospital	F

Legend: TD – Totally Dilapidated; PD – Partially Dilapidated; SR – Subject for Repair; F - Functional

D.2. Inventory of Built-Up Areas for Academic, Allied, Research, Extension, and General Services with their Carrying Capacity

Table 20. Inventory of Built-Up Areas for Academic, Allied, Research, Extension, and General Services

No.	Name of Buildings	Total Land Area (Building Floor Area) Sq. M.	Perimeter (M)	Carrying Capacity	Carrying Capacity (per Room and Office)
1	Bai Sandra Sema Grandstand	1,630.00	200.90	815	
2	Datu Odin Sinsuat Gymnasium	1,963.00	195.30	982	
3	JICA (ROTC Office)	117.00	N/A	39	
4	Research and Development Multipurpose facility	244.00	73.00	81	
5	Training Center	544.00	140.30	272	
6	Hostel	144.00	52.40	24	
7	Jeep Building (Ground)	180.00	58.55	60	
	Jeep Building (Second)	169.00	53.60	56	
8	Administration building (Annex)	212.00	65.30	70	

	Ground				
	Administration building (Annex) Second	157.00	55.05	52	
9	Administration Building (Main) Ground	583.00	127.35	194	
	Administration Building (Main) Second	367.00	92.60	122	
10	College of Engineering and Computer Studies (Ground)	364.00	100.60	182	
	College of Engineering and Computer Studies (Second)	358.00	96.60	179	
11	University Canteen	224.00	60.00	112	
12	University Library	688.00	113.00	229	
13	ILSHS Building	1,950.00	424.00	975	
13	Science Building (Ground)	631.00	140.50	315	
	Science Building (Second)	621.00	136.70	310	
14	Audio Visual Building	297.00	81.70	148	
15	Arts and Sciences building (Ground)	463.00	105.40	231	152 Students
	Arts and Sciences building (Second)	481.00	105.40	240	183 (83 Students and 100 Faculty/ Staff)
16	Information and Communication Technology Building (Ground)	376.00	85.40	188	
	Information and Communication Technology Building (Second)	261.00	75.00	130	
17	Computer Laboratory Building (Smart Campus)	144.00	48.75	72	
18	Social Work Building (Ground)	245.00	68.40	122	
	Social Work Building (Second)	204.00	62.40	102	
19	Student Lounge (Prototype)	9.60	12.80	5	
20	College of Public Affairs and Governance Building (CPAG)	1,075.00	132.00	537	
21	Magic Coin building	60.00	30.00	20	

22	Faculty and Staff Cottages	91.00	39.40	30	
23	IPDM Office Building	71.00	37.50	23	
24	PUP Building	209.00	76.25	70	
25	3-Storey Dormitory Building	790.00	N/A	263	104 Students (Base on room capacity)
26	Faculty and Staff apartment	196.00	70.00	65	16 (4 Faculty/Staff per room)
27	Guest House	173.00	54.80	57	14 (6 in office and 8 in Bedroom)
28	Girls Dormitory 2	382.00	87.00	127	76 Students (4 Students per room)
29	Girls Dormitory 1 (Ground)	353.00	90.70	117	138 Students (6 Students per room)
	Girls Dormitory 1 (Second)	351.00	88.00	117	
30	Boys Dormitory 1	235.00	79.50	78	
31	Boys Dormitory 2	288.00	114.00	96	
32	College of Education 2	615.00	155.00	307	
33	College of Education 1	372.00	102.50	186	
34	Mosque	310.00	70.00	155	
35	Old Education Building	347.00	122.60	173	
36	Warehouse	288.00	68.70	144	
37	College of Fisheries 1	209.00	67.80	70	
38	College of Fisheries 2	312.00	96.70	156	
39	Agricultural Engineering Building	204.00	60.60	102	
40	College of Forestry and Environmental Studies	565.00	142.40	188	
41	College of Agriculture (Main)	610.00	153.30	203	133 (42 Faculty/Staff and 91 Students)
42	College of Agriculture (Annex)	507.00	118.80	169	108 (27 Students per room)
43	Technology Transfer Building	404.00	N/A	134	
44	Integrated Laboratory Building (NRM Hall) Ground	702.00	129.80	234	
	Integrated Laboratory Building (NRM Hall) Second	731.00	132.46	243	

45	Tissue Culture Building	81.00	36.00	40	
46	Care Channel	5,590.00	312.60	1,863	
47	Department of Agriculture	160.00	51.10	53	
48	Agriculture Nursery	170.00	52.40	57	
49	Forestry Nursery	170.00	52.40	57	
50	Old Research building	96.00	N/A	32	
51	Bureau of Fisheries and Aquatic Resources	454.00	146.80	151	
52	Goat House	233.00	75.00	77	
53	Vermiculture Project Building	750.00	116.50	250	
54	Student Cottages	590.00	166.00	196	
55	Digital Language Laboratory	144.00	52.00	48	
56	MSU-Maguindanao Infirmary Hospital	531.00	112.20	177	

Carrying Capacity Note:

- Office Building – 3.00 Sq. M. per Person
- Classroom Building – 2.00 Sq. M per Person
- Laboratory Building – 3.00 Sq. M per Person

D.3. Inventory of Built-Up Areas for Technical Infrastructure and Utilities

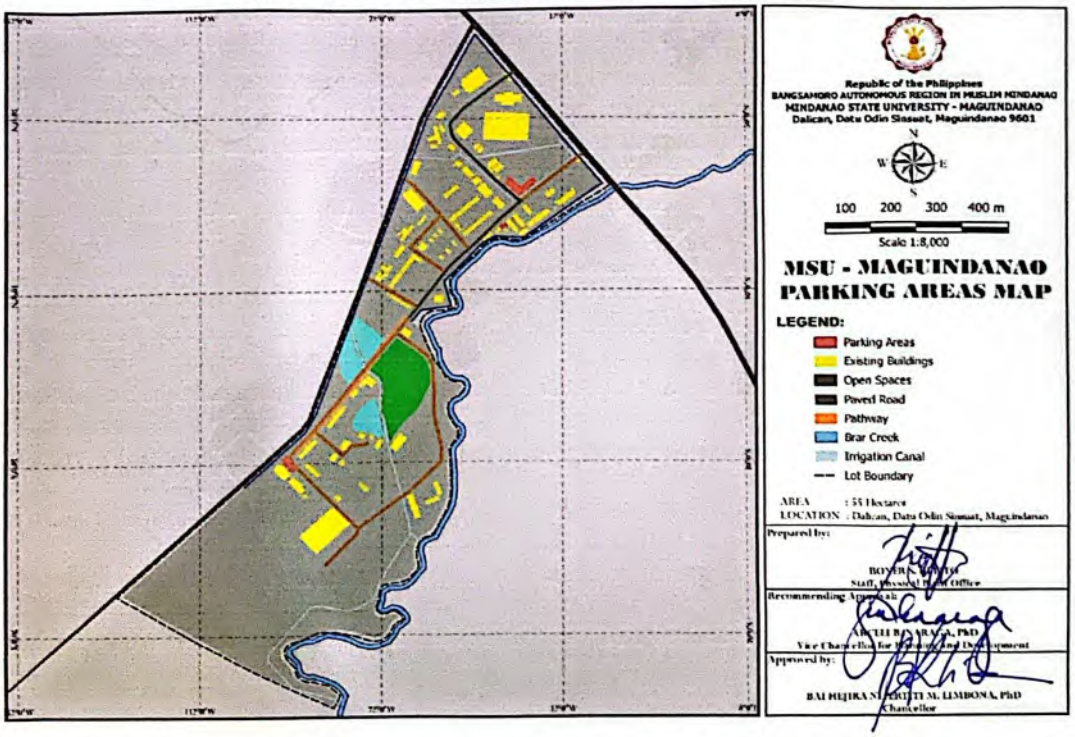
Groundwater supplies Mindanao State University-Maguindanao which maintain and sustain the basis for effluent quality requirements and the current level of service will be maintained and enhanced. Thus, water treatment is a must to remove effluent or suspended particulates in maintaining the purification of water. A steady supply of clean and potable water is required by both nature and humanity. Such requirements include the purchase of infiltration equipment to incorporate and maintain a balanced resource supply for efficient environmental and human ecological systems. Indeed, wastewater treatment reduces cleanup time and ensures reuse supporting the communities to have better public health results. It prevents contamination of causal agents that can enter groundwater, causing water tables to become polluted. Water treatment is essential for water security.

Table 21. Inventory of Built-Up Areas for Technical Infrastructure and Utilities

No.	Name of Technical Infrastructure	Total Land Area	Carrying Capacity
1	For Water Supply:		
	Reservoir 1 (Admin. Annex Building)	25 Sq. M.	40,000 Liters
	Reservoir 2 (Back of Old Education Building)	36 Sq. M.	40,000 Liters
	Reservoir 3 (BFAR)	12.25 Sq. M.	10,000 Liters
	Reservoir 4 (New Girls Dormitory)	16 Sq. M.	4,000 Liters
	Reservoir 5 (Arts and Science Building)	9 Sq. M.	4,000 Liters
	Reservoir 6 (College of Agriculture)	16 Sq. M.	4,000 Liters
	Reservoir 7 (NRM Hall)	16 Sq. M.	2,000 Liter
	Reservoir 8 (Front of CECS)	6.25 Sq. M.	2,000 Liters
2	For Waste Management • MRF • Others, please enumerate	600 Sq. M.	1,000 Cu. M.

D.4. Parking Areas Maps

Figure 101. MSU-Maguindanao Parking Areas Map



As shown in Figure 101, the areas marked red are the designated parking areas in the campus. It is located between the Datu Odin Sinsuat Gymnasium and the Office of the Vice Chancellor for Research and Extension and the area adjacent to the Information and Technology building.

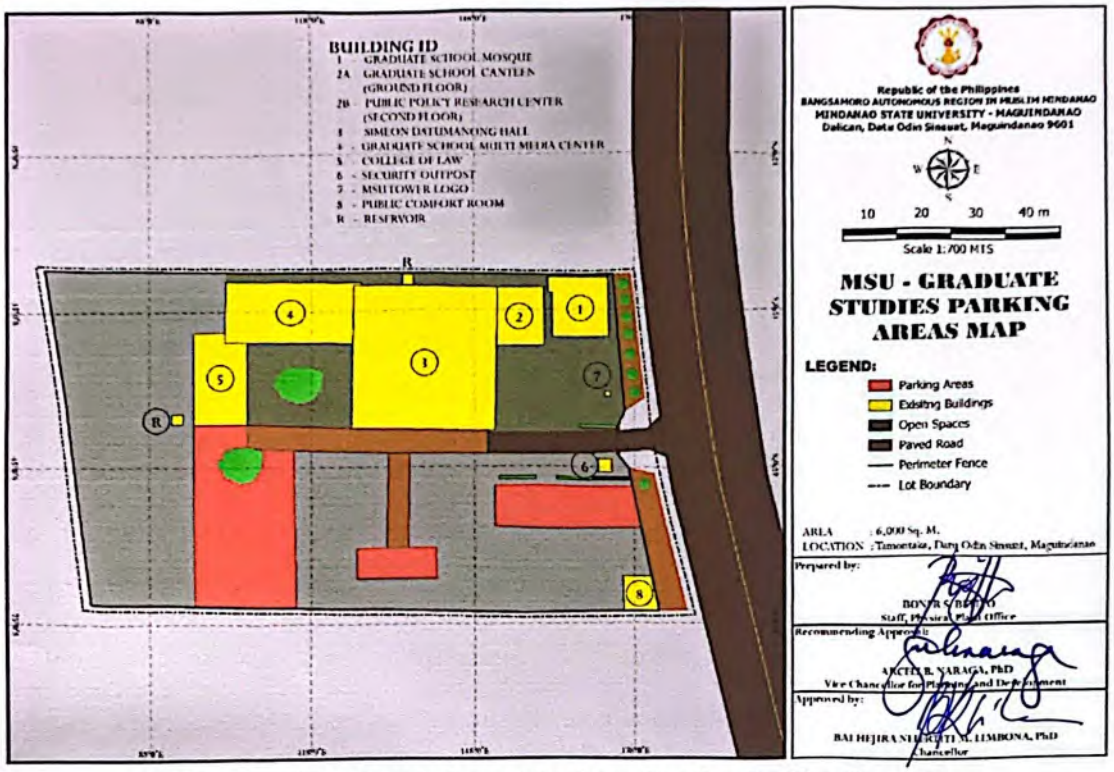


Figure 102. MSU-Maguindanao Graduate Studies Parking Areas Map

E. Development Constraints

E.1. Issues, Gaps, Challenges and Opportunities

The development constraints observed is the flood susceptibility of the lower plains of the campus. However, this is also mitigated by assigning all proposed infrastructure projects at the upper grounds of the University. Other issues confront the university, such as:

Table 22. Issues and Key Implications

Issues	Key Implications
1. Lack of facilities conforming to international standards	Negative impact on the quality of instruction Safety of students and faculty is compromised
2. Unsecured, 'porous' boundaries of the campus security	Endangerment of lives and properties
3. Outdated health facilities	Limited health services offered
4. Lack of housing facility for faculty	Constituents are renting outside the campus

5. Lack of housing facility for guests	Increased need for frequent and longer travel
6. Lack of parking area	Increased on-street parking
7. Unmanaged storm water run-off in built-up area	Flooding
8. Outdated water distribution facilities and piping system	Pipes are prone to breaking or pipe burst Compromised water quality and health
9. Intermittent/unstable and low bandwidth internet connectivity	Interrupted work performance and efficiency of employees, faculty, and staff
10. Unstable power supply (upsurge)	Damage to equipment due to power surges Additional costs due to continuous maintenance and replacement of damaged equipment
11. Partial compliance to R.A. 9275 or Clean Water Act, PD 1067 or Water Code, and RA 9003	Compromised public health and environment

Chapter III

SUC LAND USE DEVELOPMENT AND INFRASTRUCTURE PLAN

A. Vision, Mission, Goals, and Objectives

A.1. Statement of Approved Vision and Mission

Vision: The premier climate resilient and innovative center of development in the Region.

Mission: To train and enhance human capital through a climate resilient learning environment for instruction, research, and extension services.

A.2. Key Result Areas

To foster a safe, smart, resilient, and sustainable University thereby effectively and efficiently achieving the five (5) key result areas of:

- Pursuing Quality, Relevant, and Innovative Instruction
- Revitalizing Research Capability and Outputs and Institutionalizing Extension and Community Community Services
- Modernizing and Upgrading Campus Planning and Development Initiatives
- Efficient Management of Financial and Human Resources
- Assuring Transparent and Accountable Governance

B. Development Constraints

The development constraint observed is the flood susceptibility of the lower plains of the campus. However, this is also mitigated by assigning all proposed infrastructure projects at the upper grounds of the University.

B.1. Strengths, Opportunities, Results, and Aspirations of the University

As “a positive approach to strategic thinking and planning, it allows the University to construct its future through collaboration, shared understanding, and a commitment to action” (Stavros & Hinrichs, 2009). As can be seen, the strengths, opportunities, aspirations, and results aspired by the constituents of the University are rich enough to set the direction towards the vision of becoming the premier innovative center of development in the region.

Strengths

a. Relevant Fisheries, Agriculture, and Forestry (FAF) programs
b. Sole chartered peace, national university in the province
c. Increase in the number of Master’s and Doctorate degree holders
d. Enhanced research and extension services and entrepreneurship
e. Resilient and culturally enriched students
f. Strong support of academic administration

g. Established network and linkages, partnerships, and collaboration with local communities
h. Strategic location
i. Stable organization, committed, hard-working, and dedicated workers
j. Transformative leaders
k. Consultative and transparent system of governance
l. Active online engagements
m. Strong support system in instruction
n. Accreditation, research, extension services, and entrepreneurship

Opportunities

a. Quality of teaching and learning through national and international trainings
b. International linkages with other MSU campuses and scholarships grants for faculty members and students
c. Research entrepreneurship development programs to the community (trainings and techno-transfer workshop)
d. Exchange programs for students and faculty members
e. Partnership with Department of Information and Communications Technology (DICT), BARMM and other agencies
f. Incentives for research and extension and Intellectual Property (IP)
g. Agency linkages: regional and national) Senate, scholarship grants, and other agencies of government
h. Vast area for physical development
i. Support from the administration

Aspirations

a. Higher passing rate in all degree programs requiring Professional Regulation Commission's (PRC) board examinations
b. More topnotchers
c. Higher passing rate for Systems Admission and Scholarship Examination (SASE)
d. Economic growth of the communities in the region through our Research, Extension, and Development (RED) programs and services
e. Certified Level III AACCUP accredited and with ISO Certification
f. Internationalization
g. Paperless transactions
h. Exchange programs for students
i. Premier innovative Research, Extension, and Development (RED) center in the region
j. Recognition of MSU-Maguindanao branding (regional, national, and international)
k. MSU-Maguindanao as development academy for LGUs in the region
l. Community transformation and development
m. Model University in the region
n. Center for Peace Education
o. Innovative infrastructure

p. Digitalization
q. Borderless knowledge
r. TQM practice
s. Information and communication technology improvement

Results

a. Center of Development (regional peace university)
b. Center of Excellence
c. ISO Certified University
d. Globally competitive graduates
e. Center of Islamic Studies in Mindanao
f. Center of Micro-laboratory in Mindanao
g. Higher number of faculty members involved in RED
h. Increase in the number of internally and externally funded RED projects
i. At least 50% of research conducted are published in high IF journals
j. Increase in the number of IPs secured
k. Increase in the number of developed innovations
l. Competent graduates from Development Academy
m. R&D centers for Fisheries, Agriculture, and Forestry
n. Increase in budget (PS, MOOE, and CO)
o. Standardized service delivery
p. Quality Assurance Manual
q. 5-Year Development Plan produced
r. Efficiency in doing business (ARTA-Anti Red Tape Act)
s. Foreign visiting professors, exchange students

B.2. Potential Land Conflict

There is no foreseen potential land conflict with regards the lands occupied by MSU-Maguindanao both in the main campus in Dalican, Datu Odin Sinsuat, Maguindanao and the Tamontaka campus.

C. Campus Physical Development Plans and Investment Programs

C.1. Proposed Physical Development Thrusts/Design and Estimated Cost of Construction. Below is the campus development map of MSU-Maguindanao.

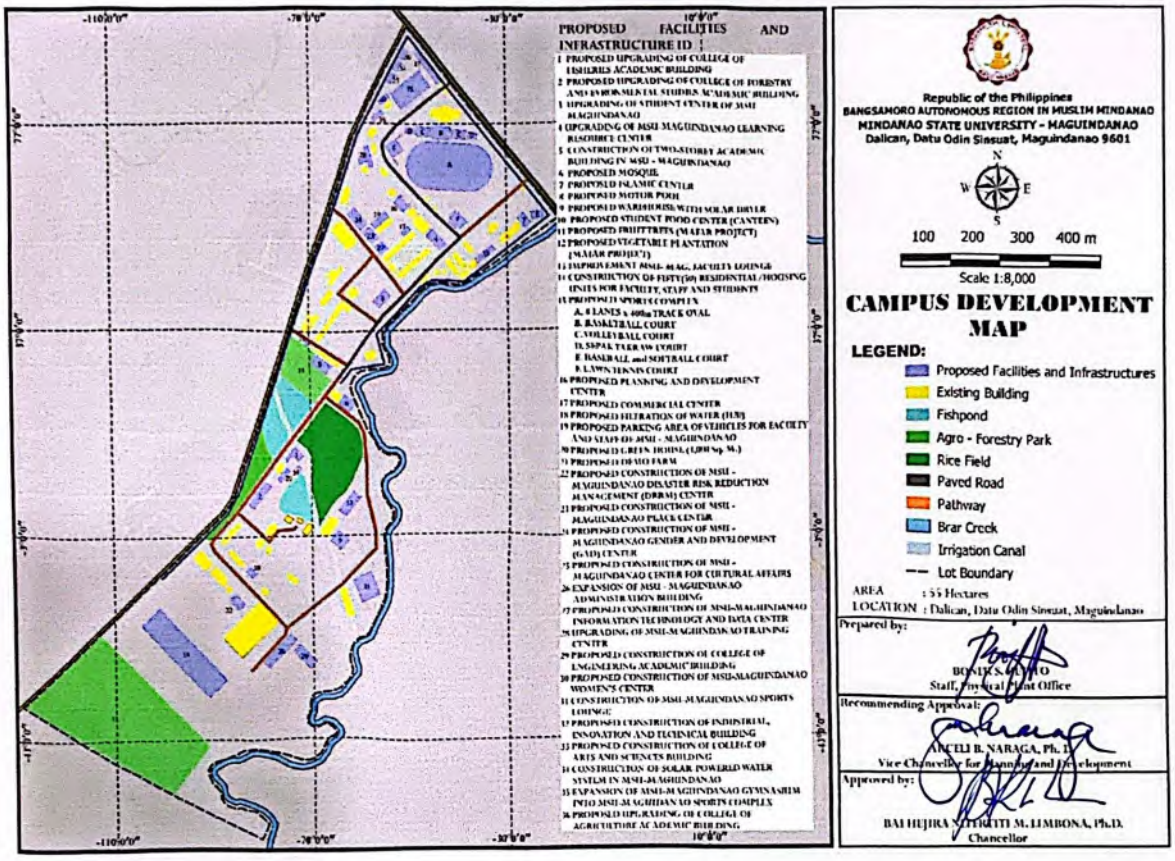


Figure 103. MSU-Maguindanao Campus Development Map

The figure shows the Campus Development Plan of the University. The areas highlighted in yellow color represents the existing and functional infrastructures of the 55-hectare MSU-Maguindanao. A total of _____ buildings occupy the campus with rice fields (enclosed with dark green color), fish ponds (highlighted with light blue color), and also agro-farm (areas in neon green color).

The Map also emphasizes various infrastructure proposals for the improvement of the University in connection with its vision to become The Premier Innovative Center of Development in the Region. As of 2022, the University has prepared (16) proposals and some of them are already outsourced from either regional and national funding for its budgetary requirements and are soon to be implemented. These plans are also pursued for the accomplishment of its Five-Year Development Plan (FYDP) and to cater to an increasing number of students, employees, networks, and linkages, and for the continuous delivery of quality services.

The following are the proposed physical infrastructure development for the campus:

1. Upgrading of the College of Fisheries Academic Building



Project Title:	Upgrading of the College of Fisheries Academic Building
Project Description/Objectives:	Compared to what the students have now as their classrooms which are structures common to the elementary school buildings throughout the region, this proposed project will be instrumental in fully developing the capabilities of our students and leading them to achieve their full potentials as this provides an inclusive and resilient learning environment for students befitting a university that aims to promote human and social development. The state-of-the-art classrooms and laboratories will provide the best venue for human capital development. The students will be in one innovative location providing them with a unique educational experience. The ground floor will have 2 classrooms, one conference room, one accreditation room, and two rooms for faculty and staff. There will also be large spaces for students' activities and comfort rooms. The second floor will have 16 rooms either as classrooms or laboratory rooms. The academic building will have gender-sensitive comfort rooms with ramps for persons with disabilities (PWD). The structure will

	be resilient against environmental risks like floods, earthquakes, and typhoons.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 66,238,563.34**

2. Upgrading of the College of Forestry and Environmental Studies Academic Building



Project Title:	Upgrading of the College of Forestry and Environmental Studies Academic Building
	Compared to what the students have now as their classrooms which are structures common to the elementary school buildings throughout the region,

Project Description/Objectives:	this proposed project will be instrumental in fully developing the capabilities of our students and leading them to achieve their full potentials as this provides an inclusive and resilient learning environment for students befitting a university that aims to promote human and social development. The state-of-the-art classrooms and laboratories will provide the best venue for human capital development. The students will be in one innovative location providing them with a unique educational experience. The ground floor will have 2 classrooms, one conference room, one accreditation room, and two rooms for faculty and staff. There will also be large spaces for students' activities and comfort rooms. The second floor will have 16 rooms either as classrooms or laboratory rooms. The academic building will have gender-sensitive comfort rooms with ramps for persons with disabilities (PWD). The structure will be resilient against environmental risks like floods, earthquakes, and typhoons.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 66,238,563.34**

3. Upgrading of MSU-Maguindanao Learning Resource Center (LRC)



Project Title:	Upgrading of MSU-Maguindanao Learning Resource Center (LRC)
Project Description/Objectives:	The MSU-Maguindanao LRC, from a one-storey University Library, will be upgraded to a 3-storey building with a total floor area of 2,709 square meters. It will house the existing 4,000 references, books, and journals, and will give way for the expansion in the volume of these references and related educational materials. The ground floor will house the traditional and digital libraries, e-learning laboratory, staff room, and logistics rooms. The second floor will have activity and study areas showcasing the collections of rare-find books and related educational materials. All floors will provide access to persons with disability and elderly and comfort rooms. The MSU-Maguindanao LRC will be resilient to environmental risks like flood, earthquake, and typhoon. The upgraded MSU-Maguindanao LRC, when established, will ensure the most efficient delivery of education by the University to its clientele. It will sustain the position of the University as the MSU System member-campus that is producing graduates who are globally competitive and a Higher Educational Institution that is at par with the top-ranking schools in the national and global arena.
	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation /

Sustainable Development Goals:	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 43,000,000.00**

4. Proposed Construction of MSU-Maguindanao Information Technology and Data Center



Project Title:	Proposed Construction of MSU-Maguindanao Information Technology and Data Center
Project Description/Objectives:	It will be a two-storey building with 5 rooms on each floor. Comfort rooms for men and women will be built in its opposite wings. The first floor will be allotted for training halls, transient rooms, and stock rooms. The second floor will be the office of the Information Technology and Data Center head/director and the offices of its working and supporting offices. The Information Technology and Data Center will include other facilities and equipment, such as electronic appliances and computers necessary in ensuring network security, connectivity, and neutrality of technology in the

	campus for faster, easier, and paperless transactions and delivery of services in the campus.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 13,454,808.45**

5. Upgrading of MSU-Maguindanao Training Center



Project Title:	Upgrading of MSU-Maguindanao Training Center
Project Description/Objectives:	The present decades old training center will be upgraded to a two-storey building with 5 rooms in each floor. Comfort rooms for men and women will be built in its opposite wings. The first floor will be allotted for training halls, transient rooms, and stock rooms. The second floor will be the office of the Training Center head/director and the offices of its working and supporting offices.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation /

	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 13,454,808.45**

6. Upgrading of Student Center of MSU-Maguindanao



Project Title:	Upgrading of Student Center of **Upgrading of Student Center of MSU-Maguindanao**
Project Description/Objectives:	The student center will serve as the university's hub of student affairs such as the programs, projects and activities of student organizations, student government, leadership, guidance and counseling, scholarships, enrollment, socialization, exercise of academic freedom, and freedom of speech and expression. The decades-old Student Affairs room will be upgraded to an MSU-Maguindanao Student Center, a three-storey building with a total floor area of 1,080 square meters. It will house various offices

	and hold student centered activities. The ground floor will be for the Student Lounge, Office of the Supreme Student Council, Office of the Boy's and Girl's Dormitories Officials and Managers, Office of the Registrar, and a Coffee shop. The second floor will provide conference rooms, Admissions Office, Alumni Affairs Office, Sports Development Office, and the Office of the Director for Student Affairs. The third floor will be utilized for the Office of School Publication, Office of the Guidance Counselor, wellness areas and two prayer rooms (male and female). All floors will provide special lanes for the person with disability and gender sensitive rest rooms. The structure will be solar panel energy-operated.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 31,143,040.56**

7. **Improvement of MSU-Maguindanao Faculty Lounge**



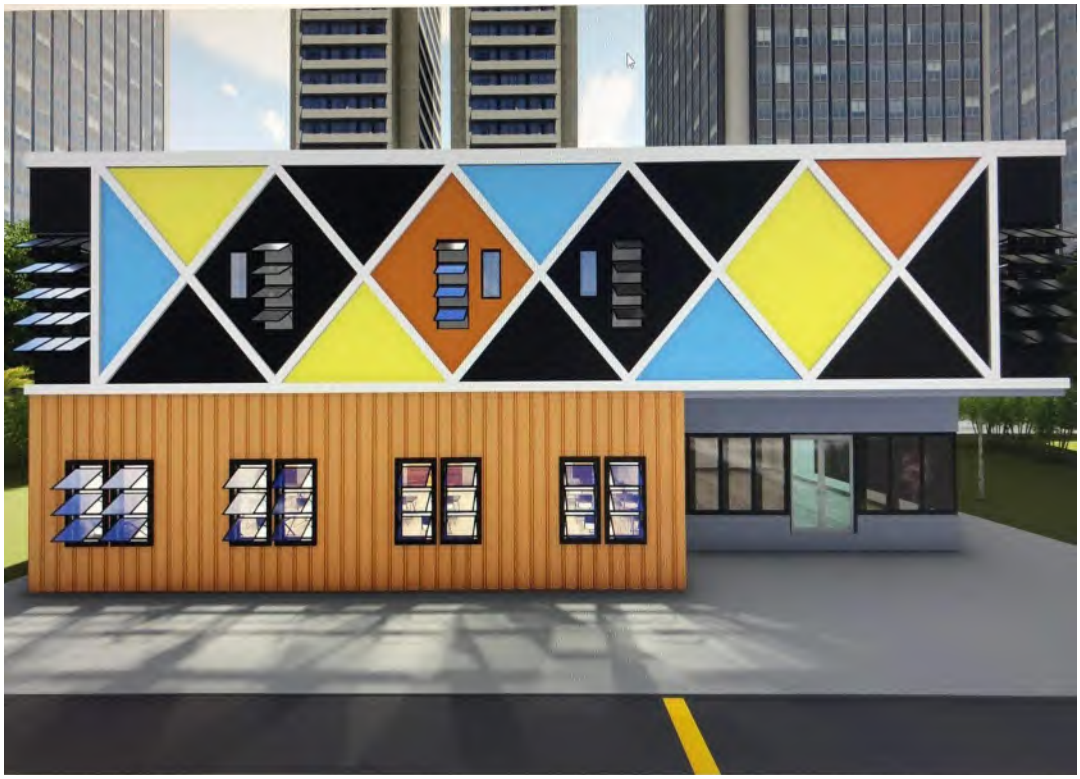
Project Title:	Improvement of MSU-Maguindanao Faculty Lounge
Project Description/Objectives:	The proposed improvements of the MSU-Maguindanao Faculty Lounge cover a one-storey building with a total floor area of 190 square meters. It will have a meeting room, staff lounge, serving area, kitchen lavatory, and comfort rooms for male, female, and persons with disability. It will cater for the faculty during their meetings and related activities. The kitchen and the lavatory, which are essential if there are guests from other agencies and offices, can answer the need for proper service to our clients and stakeholders. Moreover, the staff lounge and comfort rooms can provide ease for faculty needs. The structure will be resilient to environmental risk like flood, earthquake, and typhoon which can also be used as a holding area during university functions such as recognition programs and commencement exercises.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 6,604,333.40**



8. **Expansion of the MSU-Maguindanao Administration Building**

Project Title:	Expansion of the MSU-Maguindanao Administration Building
Project Description/Objectives:	The Administration Building will have its expansion with the total floor area of 775 square meters. The ground floor will situate the Accounting Office, Budget Management Office, cashiering Office, Supply and Property Management Office and Stockroom, the Office of the Registrar, Collecting Office Room, and male comfort rooms. The second floor will provide for the Auditor's Office, Records Management Office (RMO), Quality Management System Services Office (QMSSO), Office of Campus Secretary (OCS), Program Accreditation Services Office (PASO), the Information, Press Publication Office (IPPO), Human Resource Management Office (HRMO), Office of the Chancellor, Technical Staff Office, and female comfort rooms. Hence, the newly created offices such as Records Management Office, the Quality Management System Services Office, and the Office and the Office of Information, Press Publication, and the Program Accreditation services Office will be provided office spaces of their own because as of now they are only sharing the office space with the other offices. The expansion will allow more conducive working spaces where transactions with students and other clients can be efficiently facilitated.

Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 22,396,873.52**



9. Proposed Construction of MSU-Maguindanao Center for Cultural Affair

Project Title:	Proposed Construction of MSU-Maguindanao Center for Cultural Affairs
	The proposed project is a two-storey building of the Center for Cultural Affairs (CCA). This shall represent the diverse culture of the people of Maguindanao, particularly the tri-people: Bangsamoro, Non-Bangsamoro, and the Indigenous. It still has two (2) rooms and one mini amphitheater room on the ground floor which shall serve as offices of the CCA personnel and an area where the cultural performer can showcase their

Project Description/Objectives:	product and outputs. Further, the second floor shall be divided into four (4) divisions; each part shall be a venue for showcasing and preserving the different cultures and artworks of the above-mentioned concerns. This project shall be adorned with rich culture and unique handicrafts of Mindanao. Different research related to culture and arts shall be kept and recorded in this center for reference purposes.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
Project Cost:	**Php 21,227,167.85**



10. Proposed Construction of MSU-Maguindanao Peace Center

Project Title:	Proposed Construction of MSU-Maguindanao Peace Center

Project Description/Objectives:	The proposed Peace Center is a two-storey building. On the ground floor, there will be at least two function halls. One is for training activities such as symposia, fora, training, and workshops. The other one will be for the commercialization of peace products for the maintenance of the building. The 2nd floor will have five rooms. Two rooms will cater to the FPE classes; another room will serve as the Office of the Peace Center Head/Director. The remaining two rooms shall be the transient rooms that can accommodate 25-30 training participants who will be coming from other municipalities or nearby provinces and foreign visitors who have work-related activities in peace and development. All floors must have comfort rooms for men and women built-in opposite wings. These rooms must be gender responsive while catering to the standards of structural integrity and resilience.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure healthy lives and promote well-being for all at all ages / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
Project Cost :	**Php 36,388,656.74**



11. Construction of the College of Engineering Academic Building

Project Title:	Construction of the College of Engineering Academic Building
Project Description/Objectives:	It will be a two-storey building with 5 rooms on each floor. Gender responsive comfort rooms for men and women will be built in its opposite wings. The first floor will be allotted for the classrooms. The second floor will be a faculty office and classrooms for engineering students.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive equitable quality education and promote lifelong learning opportunities for all/ Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
Project Cost :	**Php 13,454,808.45**



12. Proposed Construction of the MSU-Maguindanao Women's Center

Project Title:	Proposed Construction of the MSU-Maguindanao Women's Center
Project Description/Objectives:	The Women's Center requires an infrastructure building equipped with the necessities and equipment of a training institute. It will be a two-storey building. Two (2) big rooms will serve as the plenary hall while the other room will serve as the office space for the designated staff and personnel as well as transient rooms for women beneficiaries who will come as trainees of capability training and for consultations. Gender sensitive comfort rooms will also be built in the building.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 13,454,808.45**



13. Construction of the MSU-Maguindanao Sports Lounge

Project Title:	Construction of the MSU-Maguindanao Sports Lounge
Project Description/Objectives:	The proposed MSU-Maguindanao Sports Lounge is a one-storey building. It will include a conference room and training rooms for indoor games and sports. This will also include lockers for athletes and sports equipment. Men and women comfort and shower rooms will also be available. This proposed building will be available not only for the students and employees of the university, but also for other stakeholders and the nearby communities who intend to engage in sports-related activities for fitness and wellness promotion in the campus and respective communities.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 7,939,030.89**



14. Construction of the Industrial, Innovation, and Technical Building

Project Title:	Construction of the Industrial, Innovation, and technical Building
Project Description/Objectives:	It will be an innovative center of development in the region equipped with infrastructure and facilities that will provide skills training in enhancing technical, vocational, and innovative skills of its employees, students, and the nearby communities to become holistically competent.
Sustainable Development Goals:	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 13,502,729.20**



15. Construction of Two-Storey Academic Building in MSU-Maguindanao

Project Title:	Construction of Two-Storey Academic Building in MSU-Maguindanao
Project Description/Objectives:	The proposed construction of an academic building for MSU-Maguindanao will be a two-storey one. It will have four classrooms on the ground floor, one faculty office and male and female comfort rooms with four cubicles each. A student lounge will also be provided on the ground floor. On the second floor, there will be six classrooms. An open type area will also be provided for student's activities.
Sustainable Development Goals:	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 31,090,158.04**



16. Proposed Construction of College of Arts and Sciences Building

Project Title:	Proposed Construction of College of Arts and Sciences Building
Project Description/Objectives:	The proposed construction of the College of Arts and Sciences building will be a two-storey with 5 rooms in each floor. Comfort rooms for men and women will be built in its opposite wings. The first floor will be allotted for the classrooms. The second floor will be a faculty office and classrooms.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure inclusive equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 13,454,808.45**



17. Construction of Solar Powered Water System in MSU-Maguindanao

Project Title:	Construction of Solar Powered Water System in MSU-Maguindanao
Project Description/Objectives:	The Proposed Construction of a Solar-Powered Water System in MSU-Maguindanao is 200 ft high and will be planted in between buildings of the ILSHS laboratory and techno transfer. This includes a water reservoir, solar system panels, tubes and hoses, a 200-feet deep well, and other mechanical parts of the solar-powered water system.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure availability and sustainable management of water and sanitation for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 2,753,300.93**



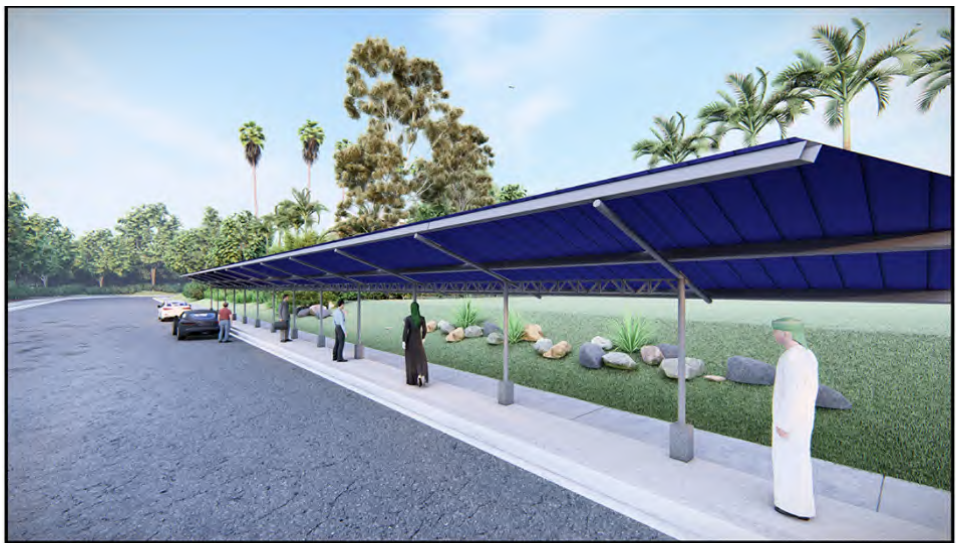
18. Proposed Construction of the College of Law Academic Building

Project Title:	Proposed Construction of College of Law Academic Building
Project Description/Objectives:	The proposed construction of the College of Law academic building will be a two-storey with 5 rooms in each floor. Comfort rooms for men and women will be built in its opposite wings. The first floor will be allotted for the classrooms. The second floor will be a faculty office and classrooms.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure inclusive equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 13,454,808.45**



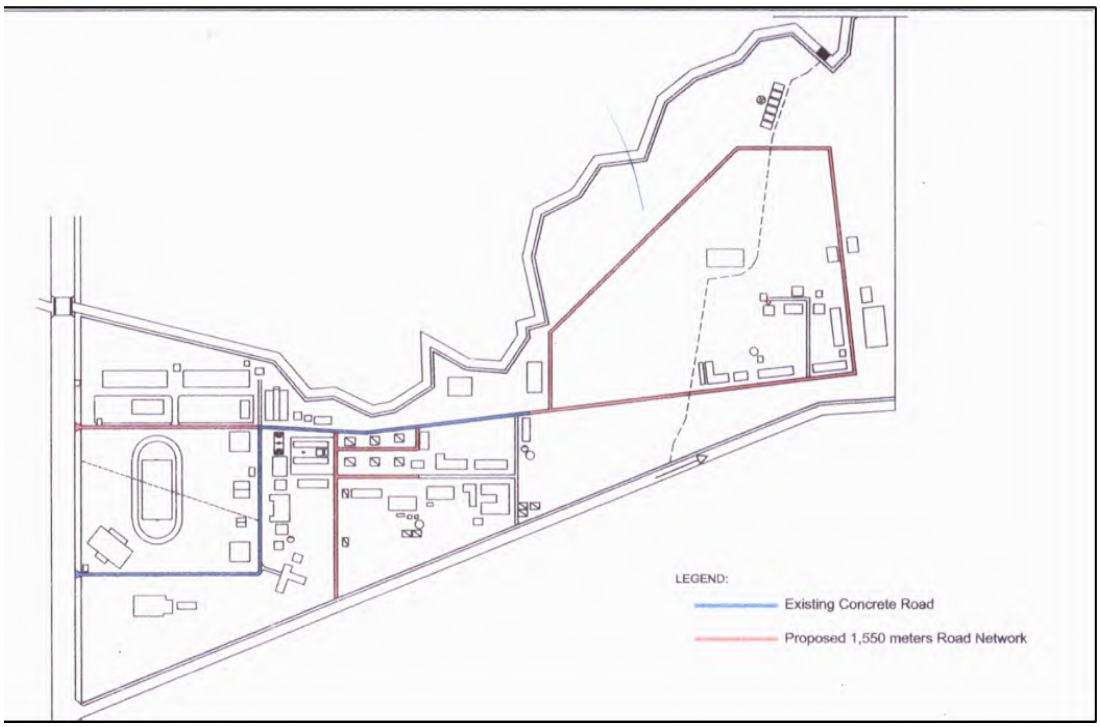
19. Construction of Fifty (50) Residential/Housing Units for Faculty, Staff, and Student

Project Title:	Construction of Fifty (50) Residential/Housing Units for Faculty, Staff, and Students
Project Description/Objectives:	The University has allotted 1.5 hectares of the residential site for employees and students. Moreover, additional housing units for the growing number of student population are necessary. Thus, the provision of fifty (50) units of residential/housing units as decent shelters for our employees and students will be of great help in upgrading the physical facilities of the university.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Ensure access to affordable, reliable, sustainable and modern energy for all / Ensure healthy lives and promote well-being for all at all ages / Ensure inclusive equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 35,000,000.00**



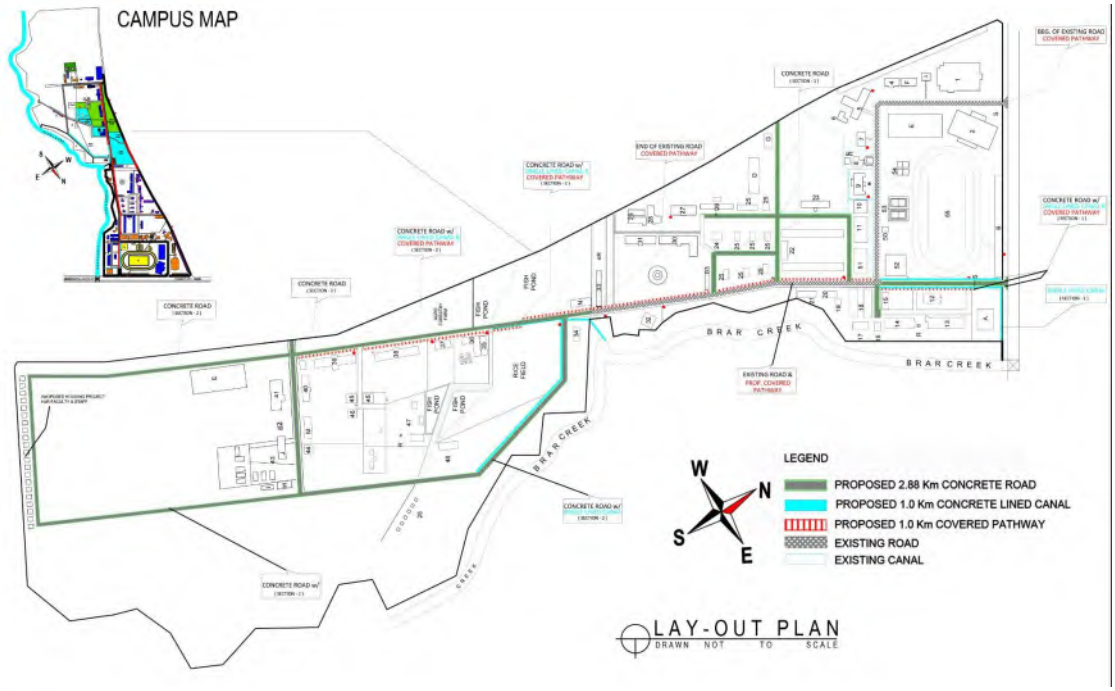
20. Upgrading of Covered Pathway (1km)

Project Title:	Upgrading of Covered Pathway (1km)
Project Description/Objectives:	The proposed one (1) kilometer covered pathway will be composed of long span roofing, GI pipes with concrete pedestal. The proposed upgrading of the covered pathway (1km) in MSU-Maguindanao aims to provide a comfortable and safe pedestrian route for the university's employees and students.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development / Take urgent action to combat climate change and its impacts
Project Cost :	**Php 11,386,479.48**



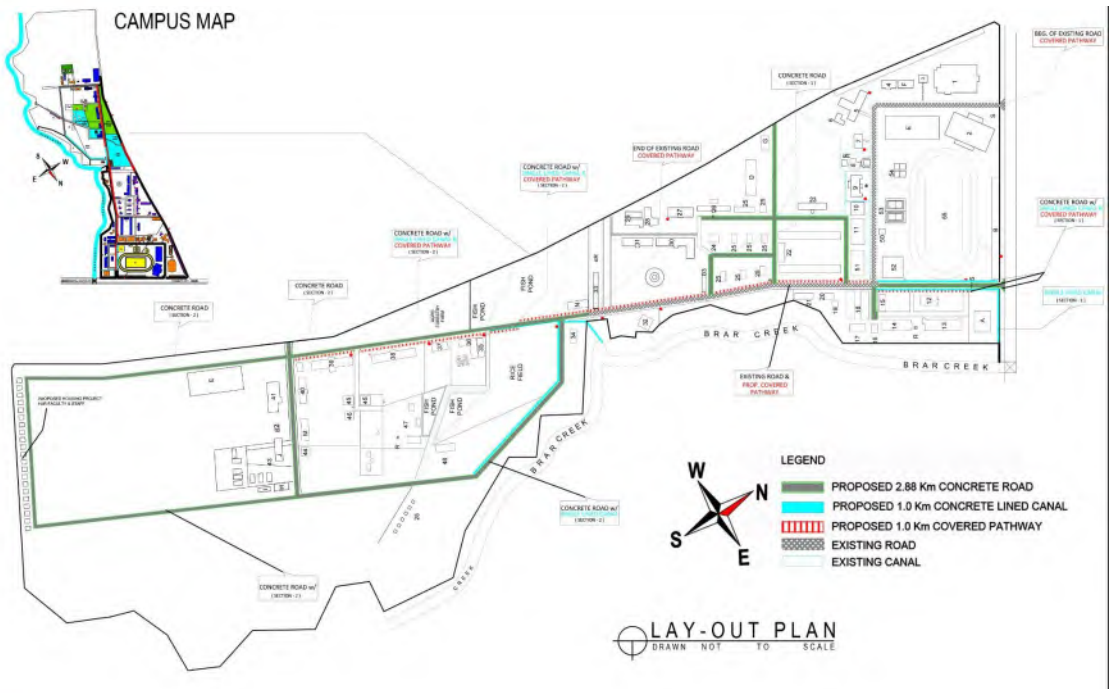
21. Extension of MSU-Maguindanao's 1.55 km Concrete Road Network

Project Title:	Extension of MSU-Maguindanao's 1.55 km Concrete Road Network
Project Description/Objectives:	There is a need to remove the shattered concrete pavement, fix the base, replace the old with new one, and compact it.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 20,001,140.00**



22. Upgrading of Concrete Lined Canal (1 Km)

Project Title:	Upgrading of Concrete Lined Canal (1 Km)
Project Description/Objectives:	The proposed upgrading of the 1km concrete lined canal will consist of a double line canal that will be put up in the exit gate in front of the Audio-Visual Building and the single lined canal will start from the College of Agriculture up to the front side of the warehouse where an existing canal is found. The design of these lined canals will be covered-type canals to ensure safety of the passers-by. The proposed upgrading can provide significant benefits to the local community, including improved flood control, agricultural productivity, water quality, community health and sanitation, and infrastructure maintenance.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / make cities and human settlements inclusive, safe, resilient and sustainable / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 15,163,958.64**



23. Concrete Road Extension of MSU-Maguindanao (2.88km)

Project Title:	Concrete Road Extension of MSU-Maguindanao (2.88km)
Project Description/Objectives:	The proposed concrete road extension of MSU-Maguindanao will be composed of two (2) sections: Section 1 will start with the existing road between the Information and Communication Building and the College of Public Affairs and Governance up to the exit gate of the University. Section 1 will be continued, from the existing road between the Integrated Laboratory Science High School and University Library to the Senior High School and University dormitory to hopefully provide access leading to the proposed upgrading of the Infirmary. Section 2 will start from the end of the existing road along the College of Agriculture to the Students' Village.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 36,388,656.74**



24. Upgrading the Perimeter Fence of MSU-Maguindanao

Project Title:	Upgrading the Perimeter Fence of MSU-Maguindanao
Project Description/Objectives:	The proposed perimeter fence (front and left side) is 540 meters in length and 135 span concrete fences. This proposal is a comprehensive estimate for the full range of services required to complete. The focus of the proposed perimeter fence will be mostly the front and left side parts of the university as these are the areas where most upgrading is needed. All materials, labor, goods, and services are included in this estimate.
Sustainable Development Goals:	Ensure healthy lives and promote well-being for all at all ages / Make cities and human settlements inclusive, safe, resilient and sustainable / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all level / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 5,369,060.02**





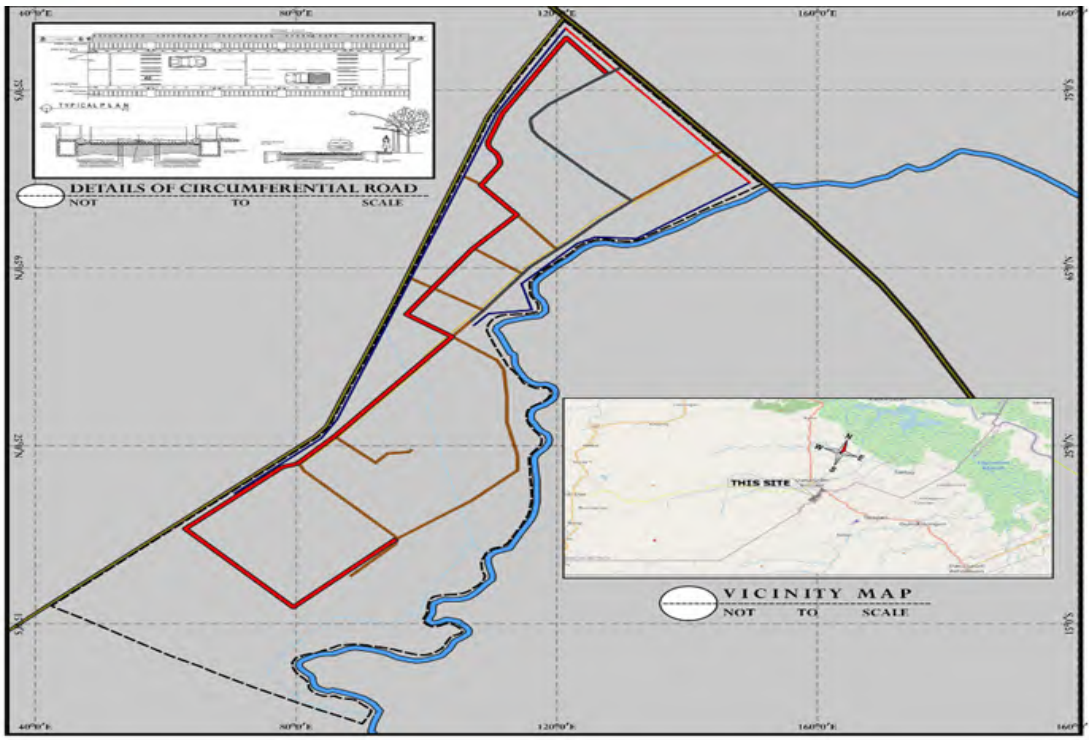

25. Agri Technology Innovation Center for Aquaculture, Fisheries and Food System

Project Title:	Agri technology Innovation center for Aquaculture, Fisheries and Food Systems
Project Description/Objectives:	The Agri Technology Innovation Center will house the Digital Agriculture Laboratory, Machinery Testing and Instrumentation, Food Processing Laboratory, and a provision for Smart Agriculture facilities, including the smart Greenhouse and the Motorpool for agricultural machineries.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Conserve and sustainably use the oceans, seas and marine resources for sustainable development/ End hunger, achieve food security and improved nutrition and promote sustainable agriculture/ Ensure inclusive equitable quality education and promote lifelong learning opportunities for all/ Ensure sustainable consumption and production patterns/ Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 30,000,000.00**



26. Expansion of MSU-Maguindanao Gymnasium into MSU-Maguindanao Sports Complex

Project Title:	Expansion of MSU-Maguindanao Gymnasium into MSU-Maguindanao Sports Complex
Project Description/Objectives:	The expansion of MSU-Maguindanao Gymnasium into MSU-Maguindanao Sports Complex covers the improvement of the present gymnasium into a state-of-the-art facility equipped with the necessary requirements
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation / Ensure inclusive equitable quality education and promote lifelong learning opportunities for all / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost :	**Php 26,165,447.33**



27. Proposed MSU-Maguindanao Circumferential Road (1.44 KM)

Project Title:	Proposed MSU-Maguindanao Circumferential Road (1.44 KM)
Project Description/Objectives:	The proposed circumferential road of MSU-Maguindanao will start from the main gate or Gate 1 as an entrance point and pass the right side of the gymnasium establishing a thoroughfare of the campus going to the newly constructed infirmary hospital, the Boys' and Girls' dormitories, and the academic sites at the College of Agriculture and back to the gate 2 as the exit point of the university.
Sustainable Development Goals:	Achieve gender equality and empower all women and girls / Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels / Strengthen the means of implementation and revitalize the global partnership for sustainable development
Project Cost:	**Php 21,911,307.50**

C.2. Open and Green Space Network

Bamboo Taxonomic Laboratory and Park

Rationale:

Establishment of a bamboo taxonomic laboratory and park aligns with the MSU - Maguindanao's educational mission to provide quality educational experience to our students. It will also be the first in BARRM to showcase the potential of a bamboo industry for the Bangsamoro. With over 1600 species of bamboo its establishment will foster curiosity among the students especially in the field of bamboo engineering and utilization.

The said bamboo park integrated with the taxonomic laboratory can serve as an educational and recreational hub, fostering public awareness and engagement with this remarkable plant. By showcasing various bamboo species in their natural habitats and curated displays, such a park can educate visitors about the ecological importance, cultural significance, and practical applications of bamboo. Moreover, it can serve as a research and development center, fostering collaborations between scientists, industry professionals, and policymakers to explore innovative uses of bamboo, such as bioenergy production, carbon sequestration, and ecological restoration. Ultimately, the establishment of a bamboo taxonomic laboratory and park not only advances scientific knowledge but also promotes environmental stewardship, sustainable development, and community well-being.

Objectives:

The establishment of bamboo taxonomic laboratory and park aims to:

A. Showcase the different bamboo species in the region;

B. Enhance MSU-Maguindanao’s bamboo research and documentation on the genetic diversity, ecological roles, and potential applications.

C. Provide learning hub for students

D. Provide a learning park that can enhance the students critical, analytical and creative thinking.

Location:

The Bamboo taxonomic laboratory and park will be established along the edge of the periphery of MSU-Maguindanao near the Brar Creek Fig.104.



Figure 104. Bamboo Park Proposed site.

Expected Outcome:

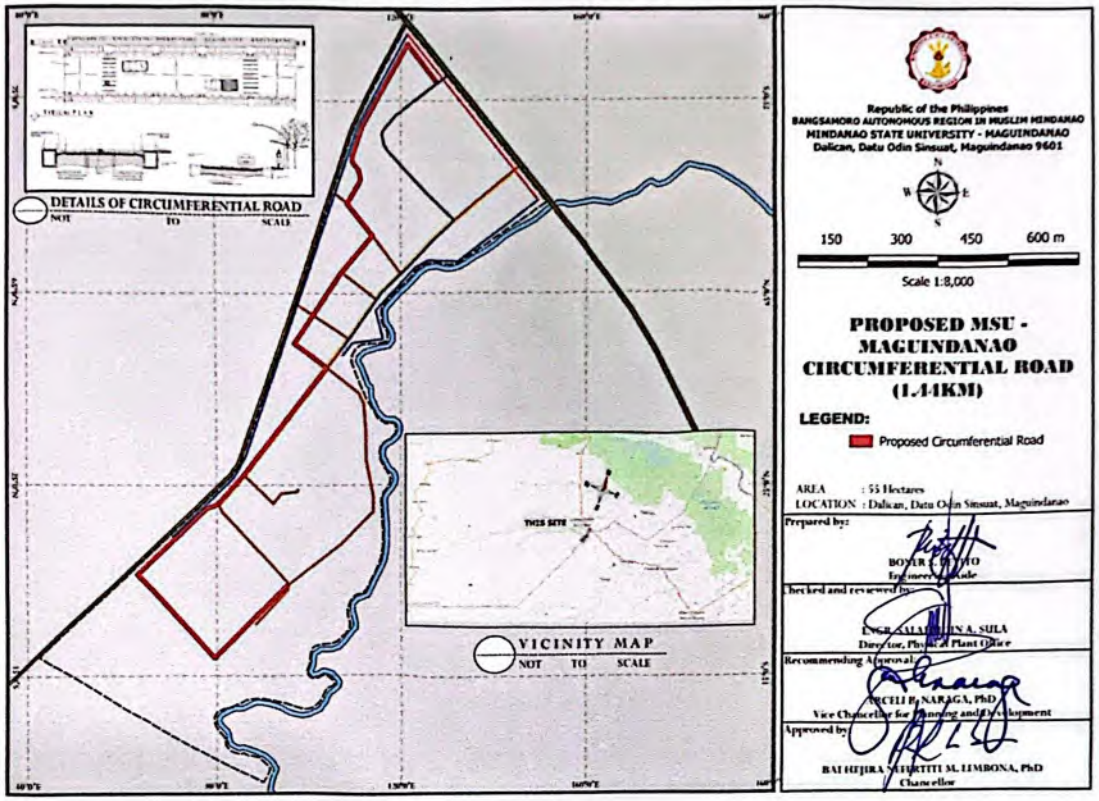
It will contribute to a deeper understanding of bamboo taxonomy, genetics and ecology. Leading to a more improved species identification, classification and conservation strategies. Further it will provide hands-on learning to our students and ultimately provide a platform for public engagement and raising awareness on environmental stewardship.

C.3. Land Use Policies

Land Property Management. Adhere to policies set by the university on land grants and refer to MSU- Maguindanao Land Grants Master Plans and Minor Properties Master Development Plan for guidance and other levant laws and issuances.

C.4. Roads and Transportation Development (access services and mobility - Road Network Development Plan

Figure 105. Proposed MSU-Maguindanao Circumferential Road



C.5. Investment Plan/Investment Program

Table 23. Investment Plan

Project Title	Type of Building	Project Cost Cost (Php)	SDGs
1. Upgrading of the College of College of Fisheries Academic Buildings	Academic	66,238,563.34	SDG4: Quality Education
2. Upgrading of the College of College of Forestry and Environmental Studies Academic Buildings	Academic	66,238,563.34	SDG4: Quality Education
3. Upgrading of MSU-Maguindanao Learning Resources Center (LRC)	Allied	43,000,000.00	SDG4: Quality Education

4. Proposed Construction of MSU-Maguindanao Information Technology and Data Center	Academic	13,454,808.45	SDG4: Quality Education
5. Upgrading of MSU-Maguindanao Training Center	Academic	13,454,808.45	SDG4: Quality Education
6. Upgrading of Student Center of MSU-Maguindanao	Allied	31,413,040.56	SDG4: Quality Education
7. Improvement of the MSU-Maguindanao Faculty Lounge	Allied	6,604,333.40	SDG8: Decent Work and Economic Growth
8. Expansion of the MSU-Maguindanao Administration Building	General	22,396,873.52	SDG9: Industry, Innovation, and Infrastructure
9.Proposed Construction of MSU-Maguindanao Center for Cultural Affairs	Allied	21,227,167.85	SDG10: Reduced Inequalities
10.Proposed Construction of Peace Center in MSU-Maguindanao	General	36,388,656.74	SDG16: Peace, Justice, and Strong Institutions
11. Construction of the College of Engineering Academic Building	Academic	13,454,808.45	SDG4: Quality Education
12.Proposed Construction of MSU-Maguindanao Women's Center	General	13,454,808.45	SDG5: Gender Equality
13. Construction of the MSU-Maguindanao Sports Lounge	Academic	7,939,030.89	SDG4: Quality Education
14. Construction of the Industrial, Innovation, and Technical Building	Academic	13,502,729.20	SDG4: Quality Education
15.Construction of Two-Storey Academic Building in MSU-Maguindanao	Academic	31,090,158.04	SDG4: Quality Education

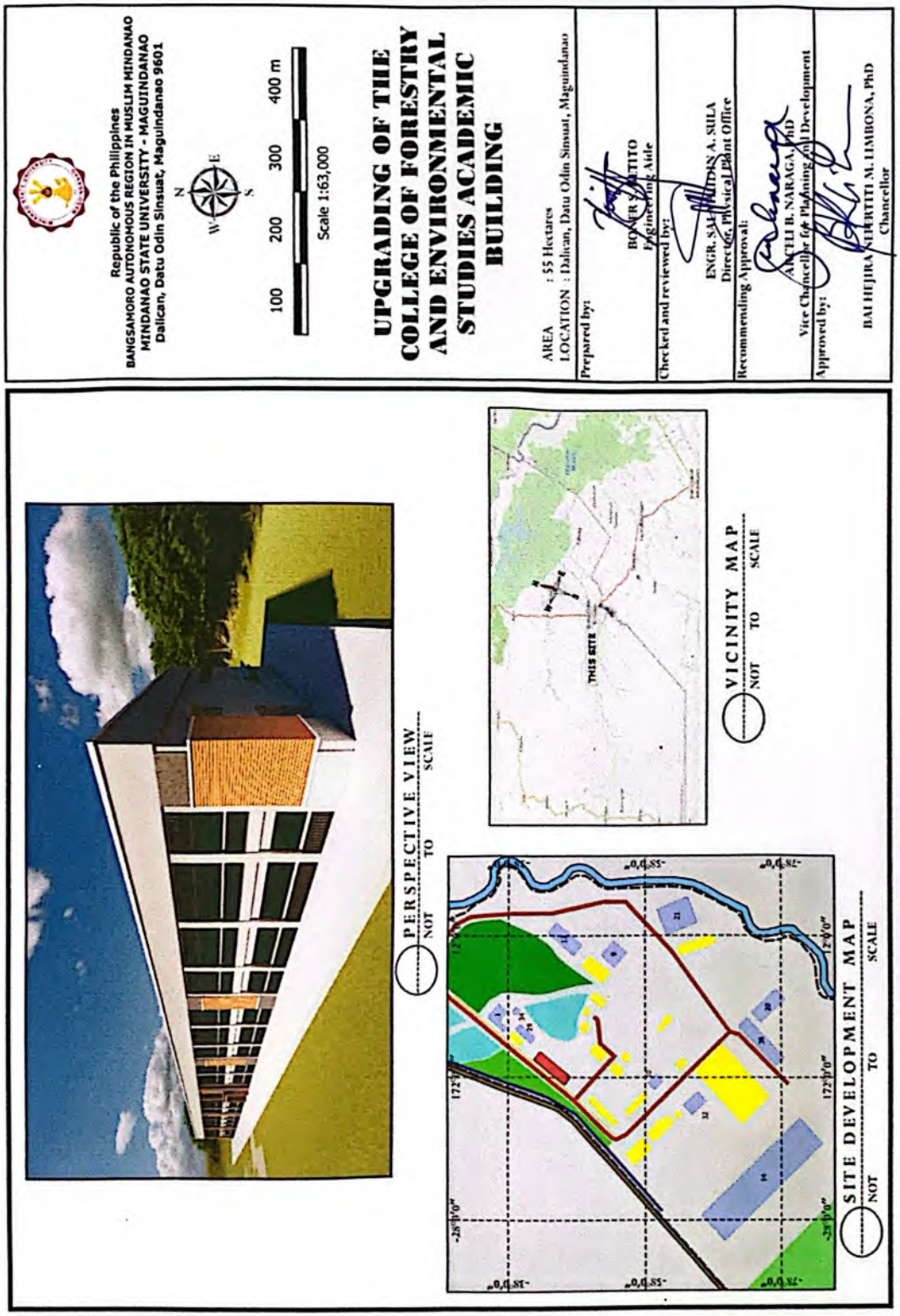
16. Proposed Construction of College of Arts and Sciences Building	Academic	13,454,808.45	SDG4: Quality Education
17. Construction of Solar Powered Water System in MSU-Maguindanao	General	2,753,300.93	SDG11: Sustainable Cities and Communities
18. Proposed Construction of College of Law Academic Building	Academic	13,454,808.45	SDG4: Quality Education
19. Construction of Fifty (50) Residential/Housing Units for Faculty, Staff, and Students	General	35,000,000.00	SDG11: Sustainable Cities and Communities
20. Upgrading of Covered Pathway (1km)	General	11,386,479.48	SDG11: Sustainable Cities and Communities
21.Extension of MSU-Maguindanao's 1.55 Km Concrete Road Network	General	20,001,140.00	SDG11: Sustainable Cities and Communities
22. Upgrading of Concrete Lined Canal (1 Km)	General	15,163,958.64	SDG11: Sustainable Cities and Communities
23.Concrete Road Extension of MSU-Maguindanao (2.88km)	General	54,998,909.43	SDG11: Sustainable Cities and Communities
24. Upgrading of the Perimeter Fence of MSU-Maguindanao	General	5,369,060.02	SDG16: Peace, Justice, and Strong Institutions
25. Agri Technology Innovation Center for Aquaculture, Fisheries and Food Systems	General	30,000,000.00	SDG9: Industry, Innovation, and Infrastructure
26. Expansion of MSU-Maguindanao Gymnasium into MSU-Maguindanao Sports Complex	Academic	26,165,447.33	SDG4: Quality Education

27. Proposed MSU-Maguindanao Circumferential Road (1.44 KM)	General	21,911,307.50	SDG11: Sustainable Cities and Communities
28. Bamboo Taxonomic Laboratory and Park	General	210,000.00	SDG11: Sustainable Cities and Communities
Total Projects Cost		**Php 649,727,570.91**	

D. Site Development Plan

D.1. General Layout and Configuration of Existing and Proposed Structures

This section shows the general layout of proposed infrastructures in the campus.



Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N E S W

100 200 300 400 m

Scale 1:63,000

UPGRADING OF MSU - MAGUINDANAO LEARNING RESOURCE CENTER (LRC)

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOY[illegible] TITO
Engineer Hrg Aide

Checked and reviewed by:
ENGR. SAHUDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
MARCELI B. NARAIN, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
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MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF MSU - MAGUINDANAO INFORMATION TECHNOLOGY AND DATA CENTER

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BONIFACIO BETITO
Engineering Aide

Checked and reviewed by:
ENGR. SALIHUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NAIRUTTI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE



PERSPECTIVE VIEW
NOT TO SCALE



SITE DEVELOPMENT MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

Republic of the Philippines
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MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N
W E
S

100 200 300 400 m

Scale 1:63,000

UPGRADING OF MSU - MAGUINDANAO TRAINING CENTER

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:

BOYET S. TITO
Engineering Aide

Checked and reviewed by:

ENGR. SALAHUDIN A. SULA
Director, Physical Plant Office

Recommending Approval:

ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:

BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

UPGRADING OF STUDENT CENTER OF MSU - MAGUINDANAO

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYEN A. TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALIMUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
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SITE DEVELOPMENT MAP
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Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

IMPROVEMENT OF MSU - MAGUINDANAO FACULTY LOUNGE

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:

BOMER S. PETITO
Engineering Aide

Checked and reviewed by:

ENGR. SALAHUDIN A. SULA
Director, Physical Plant Office

Recommending Approval:

ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:

BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
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SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N E W S

100 200 300 400 m

Scale 1:63,000

EXPANSION OF THE MSU - MAGUINDANAO ADMINISTRATION BUILDING

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYIE S. ALETTO
Engineering Aide

Checked and reviewed by:
ENGR. SAL-AMIDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA MERRITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
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Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF MSU - MAGUINDANAO CENTER FOR CULTURAL AFFAIRS (CCA)

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYIE E. TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
MARCELI B. NAPALA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA M. TERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N E S W

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF MSU - MAGUINDANAO PEACE CENTER

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOMER B. TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALIPADDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA YEHTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N E W S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF COLLEGE OF ENGINEERING ACADEMIC BUILDING

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BONER CARITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMUDDA A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCEL B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA AMERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF MSU - MAGUINDANAO WOMEN'S CENTER

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYER S. TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAHUDIN S. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NURTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
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SITE DEVELOPMENT MAP
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Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

CONSTRUCTION OF MSU - MAGUINDANAO SPORT LOUNGE

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BONIFACIO TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALIHUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARTELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NETHRTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF INDUSTRIAL, INNOVATION AND TECHNICAL BUILDING

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Magundanao

Prepared by:
BOXER S. ARTITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAHUDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA SHERRITH M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
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Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

100 200 300 400 m
Scale 1:63,000

CONSTRUCTION OF A TWO-STOREY ACADEMIC BUILDING IN MSU - MAGUINDANAO

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOX[illegible] TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMUDIN D. SULA
Director, Physical Plant Office

Recommending Approval:
RCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NURTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF COLLEGE OF ARTS AND SCIENCES BUILDING

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:	BOYER C. TITO Engineering Aide
Checked and reviewed by:	ENGR. SALAMIDIN A. SULA Director, Physical Plant Office
Recommending Approval:	ARCELI B. NARAGA, PhD Vice Chancellor for Planning and Development
Approved by:	BAI HEJIRA NAFERTITI M. LIMBONA, PhD Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
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SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

CONSTRUCTION OF SOLAR-POWERED WATER SYSTEM IN MSU - MAGUINDANAO

AREA : 35 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOY C. SEBITTO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMIDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ANITA B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HIJIRA NAHRITH M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N
W E
S

25 50 75 100 m

Scale 1:1,575

PROPOSED CONSTRUCTION OF THE COLLEGE OF LAW ACADEMIC BUILDING

AREA : 6,000 Sq. M.
LOCATION : Tamontaka, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOXER CRETITO
Engineering Aide

Checked and reviewed by:
ENGR. SALIHUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
JACEL B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NEFERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

CONSTRUCTION OF FIFTY (50) RESIDENTIAL/ HOUSING UNITS FOR FACULTY, STAFF AND STUDENTS

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYER C. ATITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAHUDDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ATTY. CELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
HAJI HEJIRA NYERITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

200 400 600 m

Scale 1:8,000

UPGRADING OF COVERED PATHWAY (1KM)

LEGEND:

Proposed Covered Pathway

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYER D. ITTO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMAH A. SHLA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HIJIRA SHARIFFA M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N E S W

100 200 300 400 m

Scale 1:63,000

UPGRADING OF THE PERIMETER FENCE OF MSU - MAGUINDANAO

PROPOSED PERIMETER FENCE

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOXER V. TITTO
Engineering Aide

Checked and reviewed by:
ENGR. SALAMIDIN A. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA M. HERTITI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

EXPANSION OF MSU - MAGUINDANAO GYMNASIUM INTO MSU - MAGUINDANAO SPORTS COMPLEX

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BONIFACIO TITO
Engineering Aide

Checked and reviewed by:
ENGR. SALAHUDIN D. SULA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA, PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA NAHRITH M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

PROPOSED MSU - MAGUINDANAO CIRCUMFERENTIAL ROAD (1.44KM)

LEGEND:

Proposed Circumferential Road

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Scale 1:8,000

150 300 450 600 m

Prepared by:

BOYER D. TITO
Engineering Aide

Checked and reviewed by:

ENGR. SALIM [illegible] SULA
Director, Physical Plant Office

Recommending Approval:

ARCELI B. NARAG, PhD
Vice Chancellor for Planning and Development

Approved by:

BAI HEJIRA N. TERTIT M. LIMBONA, PhD
Chancellor

VICINITY MAP
NOT TO SCALE

THIS SITE

DETAILS OF CIRCUMFERENTIAL ROAD
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

100 200 300 400 m

Scale 1:63,000

UPGRADING OF MSU - MAGUINDANAO TRACK OVAL

AREA : 55 Hectares
LOCATION : Dalican, Datu Odin Sinsuat, Maguindanao

Prepared by:
BONIFACIO RITTO
Engineering Aide

Checked and reviewed by:
ENGR. SALAHUDDIN A. SOLA
Director, Physical Plant Office

Recommending Approval:
ARCELI B. NARAGA PhD
Vice Chancellor for Planning and Development

Approved by:
BAI HEJIRA SITTIATTI M. LIMBONA, PhD
Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO
MINDANAO STATE UNIVERSITY - MAGUINDANAO
Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

25 50 75 100 m

Scale 1:1,575

PROPOSED MULTI-PURPOSE BUILDING I

AREA : 6,000 Sq. M.
LOCATION : Tamontaka, Datu Odin Sinsuat, Maguindanao

Prepared by:
BOYET D. FETTO
Engineering Aide

Checked and reviewed by:
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Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

Republic of the Philippines
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N W E S

25 50 75 100 m

Scale 1:1,575

PROPOSED MULTI-PURPOSE BUILDING 2

AREA : 6,000 Sq. M.
LOCATION : Tamontaka, Datu Odin Sinsuat, Maguindanao

Prepared by:
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PERSPECTIVE VIEW
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VICINITY MAP
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SITE DEVELOPMENT MAP
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Republic of the Philippines
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Dalican, Datu Odin Sinsuat, Maguindanao 9601

N W E S

25 50 75 100 m

Scale 1:63,000

PROPOSED CONSTRUCTION OF MSU - GRADUATE STUDIES PARKING AREA

AREA : 6,000 Sq. M.
LOCATION : Tamontaka, Datu Odin Sinsuat, Maguindanao

Prepared by:

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Chancellor

PERSPECTIVE VIEW
NOT TO SCALE

VICINITY MAP
NOT TO SCALE

SITE DEVELOPMENT MAP
NOT TO SCALE

D.2. Parking and Street Layout

Figure 106. Proposed Solar Street Lights Map

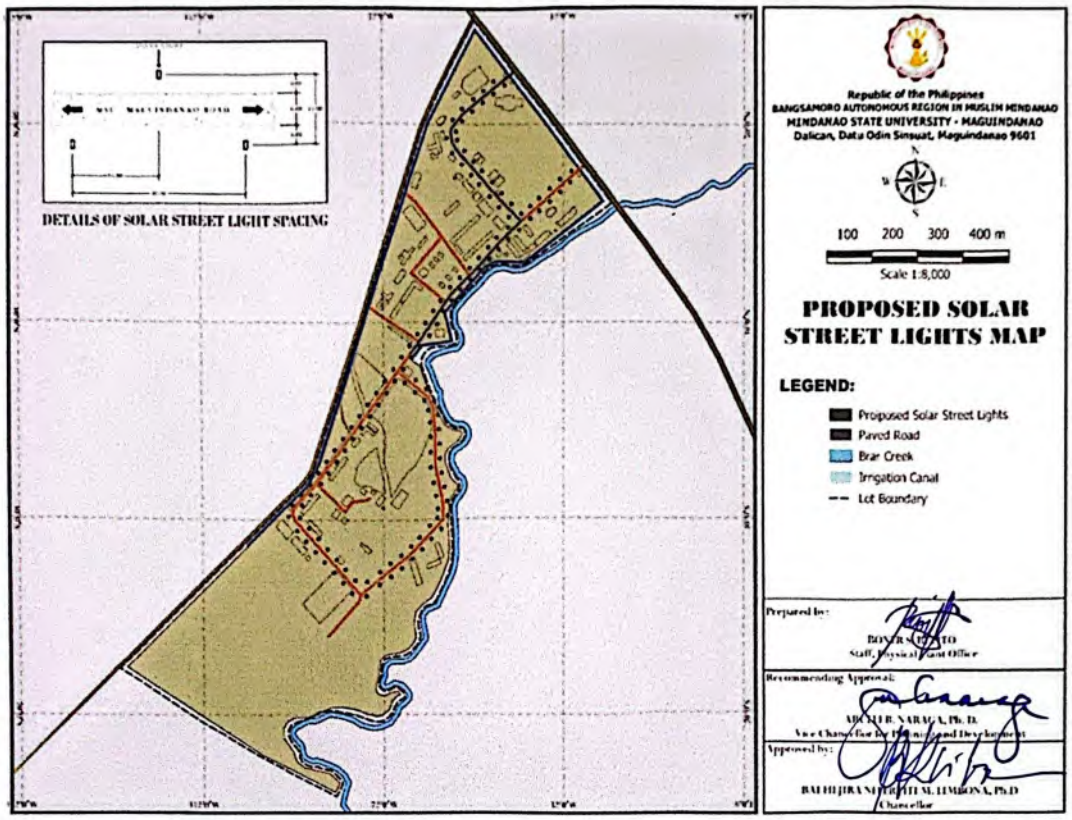
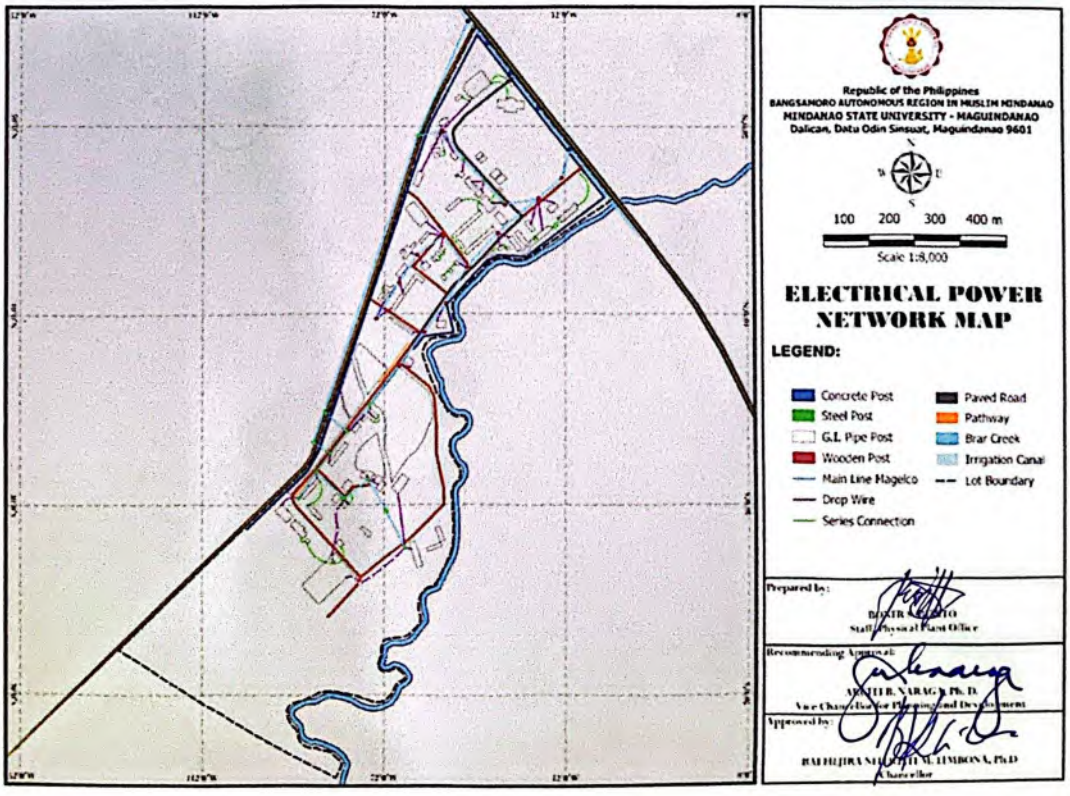


Figure 107. Electrical Power Network Map



D.3 Disaster Risk and Climate Change Adaptation

The country is situated in a pacific belt ring of fire which means that there could be natural risks to happen. The university, MSU-Maguindanao is geographically probed for flash floods. Thus, monitoring could happen whenever disasters occur to ensure the safety of its constituents and for actions to take to keep structures safe. Based on the disaster risk assessment of the various infrastructure of the campus, the following are the results:

Table 24. Disaster Risk Assessment of Infrastructure

Indicator	Unsafe for Occupancy	Requires Retrofitting	Structurally Safe
Academic Building			
1. Science Building		●	●
2. Arts and Sciences Building		●	●
3. Information and Communication Technology Building (ICT)		●	
4. College of Public Affairs and Governance (Left & Right Wing)		●	●
5. Integrated Laboratory Science High School (Building Left & Right Wing)		●	●
6. ILSHS Home Economics Building		●	●
7. Engineering Building			●
8. Education Building 1			●
9. Education Building 2			●
10. Pre- University Program (PUP) Building			●
11. College of Fisheries Building 1		●	
12. College of Fisheries Building 2			●
13. Agricultural Engineering Building			●
14. College of Agriculture Building 1			●
15. College of Agriculture Building 2			●
16. College of Agriculture Building 3			●
17. College of Forestry and Environmental Studies Building			●
18. Graduate School Building			●

19. Social Work Building		●	
Library Building			
20. University Library Building			●
Laboratories			
21. Integrated Laboratory Building			●
22. Tissue Culture Building		●	
Sports Facilities			
23. Basketball Courts (Indoor&Outdoor)			●
24. Male and Female Volleyball Court			●
25. Two Units Sepak Takraw Court			●
26. Softball and Baseball Diamond		●	
27. Soccer Field			●
Gymnasium, AVR, & Multi-Media			
28. Datu Odin Sinsuat Gymnasium			●
29. Audio Visual Building			●
30. Multi-Media Center			●
31. Grandstand		●	
Training Center, Hostel			
32. Training Center			●
33. Hostel			●
34. Multi- Purpose Building (Tamontaka Campus)			●
Continuing Education			
35. JICA Building (ROTC)		●	●
Administrative Building			
36. Administration Building Main			●
37. Administrative Building Annex			●
38. Jeep Building			●
Storage Area			
39. Warehouse		●	
Security			
40. Security Office Building			●
41. Security Outpost 1&2			●
Research Center			
42. Research and Development Multi- Purpose Facility Building		●	

Field Laboratories			
43. Agro- Forestry Nursery Building	●		
44. Fruit and Forest Trees Plantation			●
45. Hatchery Laboratory		●	
Housing of Faculty and Staff			
46. Three Doors Apartment Building			●
47. Guest House		●	
48. Faculty and Staff Cottages (8 Units)			
Dormitories for Students			
49. Girls Dormitory Building 1			●
50. Girls Dormitory Building 2			●
51. Boys Dormitory Building 1			●
52. Boys Dormitory Building 2			●
53. Six Units Cottages		●	
Infirmary Facility			
54. Infirmary Building			●
Mosque			
55. Mosque	●		

D.4. Environmental Management Plan

This university upholds environmental integrity and sustainable development for the common good providing required implementation to improve and optimally utilize resources. There are different initiatives in creating various networks to promote a rational, holistic, efficient and just allocation, utilization, development and management of the campus as mandated in RA 11396. Thus, integral to the government regulation, the institution delivers environmental assessment and plans that are made to attain resource and energy efficiency, CO2 and GHG emission reduction, pollution prevention, improved air quality and harmonization with the environment. Indeed, MSU-Maguindanao has access to quality education which is a prerequisite in achieving sustainable development. It enables social mobility, empowers people playing a key role in conducting instruction, research, extension services and development. Hence, this institution is a centerpiece of innovation having strong collaboration and partnership with the government, stakeholders and private sectors to work out on intergenerational equity- meeting the needs of the present generation without compromising the ability of future generations to meet their own needs. Thus, this university has key objectives and activities that are interconnected and must

be viewed as an integrated set of actions requiring strong coordination and implementation:

- Proper way of garbage disposal
- Promote clean and green campus environment
- Establish sustainable infrastructure for instruction, research, extension and development services

D.5. Proposed Greenhouse Capacity Building and Training Center

The proposed greenhouse capacity building and training center is established to maintain, and improve a sustainable inventory management system that serves as the foundation for transparent, accurate, comparable, complete, and creates a peaceful learning environment, which helps trainees concentrate. The MSU-Maguindanao is primarily seeking to strengthen partnership with government and non-governmental groups to take suitable and concrete actions. The stakeholders should encourage the use of renewable energy and forestation. This framed structure covered with transparent material provides a reliable enclosure within which an environment favorable to plant growth can be attained. It is imperative that we safeguard our environment.

The proposed greenhouse gases will be established and directly linked to climate change and have a significant life-cycle. GHG emissions reductions can be achieved through the use of product “carbon footprint “labels, this will help MSU-Maguindanao to maintain a certain temperature level and promote sustainability in the local economy.

Learning training center is a proposed unique Agricultural, Environmental and Aquatic training facility, where the constituent of MSU-Maguindanao and other different concerned agencies with some level of agricultural and Environmental education training and workshop, helps motivate and strengthen their knowledge through capacity building about environmental aspects and awareness.

The greenhouse gas facility will be established within the perimeter of MSU-Maguindanao having a total area of 2,000 sqm. near the Integrated Laboratory building with a total budget of more or less 2,000,000 while the Training Centre has an approximate area of 500 sqm. located beside the greenhouse building amounting 2,000,000 pesos.

D.6. Waste Management and Infrastructure Innovation

D.6.1. Proposed Installation of Material Recovery Facility (MRF) in the campus:

Material Recovery Facility (MRF) is a reclamation facility designed to receive, segregate and categorize waste, especially marketable recyclables and biodegradable wastes which can be converted into fertilizer or soil conditioner, or even useful biogas. The installation of one (1) centralized MRF (for location assessment), and 4 sub MRF's that will be installed in each division will serve as facilities to recover and collect a bunch of wastes of the campus. The MRF will

be composed of large bins with signage for each of the solid waste categories. Below is the standardized and mandatory guide for Philippine Local Government Unit and Solid Waste Management practitioners based on the WACS (Waste Analysis and Characterization Study) guidelines approved by the National Solid Waste Management Commission, Office of the President, Republic of the Philippines.

D.6.2. Conversion of Organic Waste to Biogas (Free Cooking Gas)

One alternative approach to reduce waste being discarded to landfill, especially organic waste is to convert it into biogas. Biogas is a renewable fuel produced by organic matter such as animal manure, plant material, food waste or sewage that can be utilized for cooking. Making biogas from organic waste is an efficient way to dispose of potentially hazardous organic waste. Cooking using biogas produces no smoke, making it ideal for use in the home and reducing the need to cut down trees for firewood and saving money from buying Liquefied Petroleum Gas. The campus produces organic wastes daily. According to wasteaid.org, about 1-1.5 kg of organic material produces enough biogas to cook the meals of 4-5 people. Indeed, people can enjoy free cooking gas out of the campus organic wastes every day. Therefore, installation of a biogas plant or biodigester will not only give benefit to the campus canteen and campus community but will also minimize waste conveyed in dumping sites.

Converting Organic Waste into Biogas

Place wet organic waste, such as food waste, in a sealed chamber with no air inside. As it digests, the waste will release gas which can be captured and used for cooking. The system needs to be airtight and the temperature close to 35°C. Wasteaid.uk/toolkit

Typical Biogas Plan/Biodigester Designs

1. **Fixed dome biodigester.** It is the most common type of masonry biogas plant. The design combines the slurry container and biogas container in a single chamber as the slurry breaks down, it releases the gas, which rises to the top of the dome and can be piped away to a kitchen stove, easing gas which can be captured and used for cooking. The system needs to be airtight and the temperature close to Wasteaid.org.uk/toolkit
35°C.

2. **Floating dome biodigester.** The other common type in which the gas container floats in the slurry. The gas container rises as the biogas is produced, and sinks again as the biogas is used. A relatively low capital and simple, popular design if used on a small scale.

3. **ARTI floating dome biodigester.** Made with a smaller container. The ARTI Floating DB's smaller container rises as it fills with biogas.

Chapter IV

INSTITUTIONAL COORDINATION AND MONITORING SET-UP

A. Institutional Coordination and Monitoring Set-Up for the Implementation of the LUDIP

Republic Act No. 11396 requires state universities and colleges to prepare and implement a Land Use Development and Infrastructure Plan (LUDIP) that shall include the construction of dormitories for students and housing sites for employees. MSU-Maguindanao envisions strategic growth and development and proposes the campus Land Use Development and Infrastructure Plan 2022 - 2032.

The strategic direction of the infrastructure and building to be implemented in the coming years will be established through the Technical Working Groups (TWGs) of LUDIP reconstituted by the Office of the Chancellor and Chaired by the Office of the Vice Chancellor for Planning and Development. The TWG's objective is to allocate land uses to meet the required standards in terms of the educational needs of the stakeholders through safeguarding future resources. It examines development priorities and assigns resources to satisfy campus development needs.

The commitment is to continually reevaluate to ensure quality services are provided in compliance with the memorandum order from the Commission on Higher Education, Department of Budget Management, and the Commission on Audit.

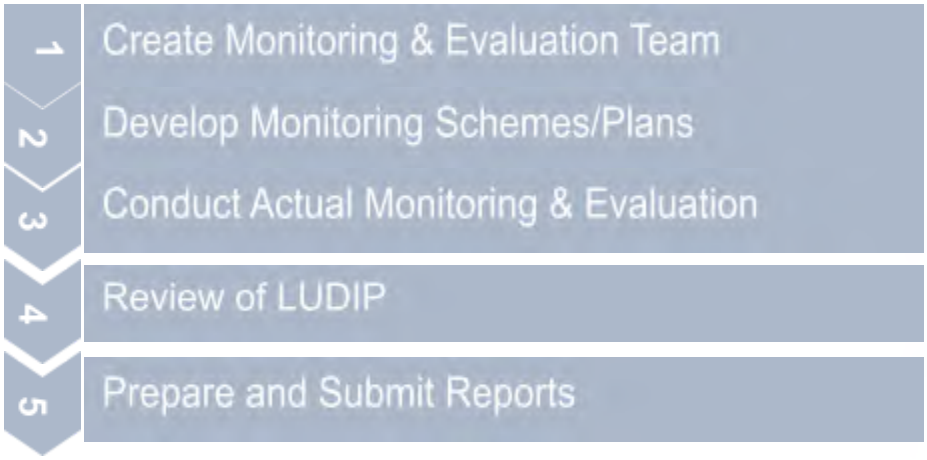


Figure 108. Flow Chart for Monitoring and Evaluation Mechanism of LUDIP

Details of each step of the Institutional Coordination and Monitoring Set-Up for the Implementation of the LUDIP are as follows.

1. Create Monitoring and Evaluation (M&E) Teams

Monitoring and evaluation teams shall be formed, depending on the nature of the programs and projects to be implemented. For infrastructure projects, MSU-Maguindanao has the Physical Plant Office (PPO) under the Office of the Vice Chancellor for Planning and Development (OVCPD) with regular staff. Monitoring and Evaluation Services Office (MESO) which is also under the OVCPD is responsible for the monitoring and evaluation of infrastructure projects in coordination with the PPO.

2. Develop monitoring and evaluation schemes/plans

All campus development projects shall be implemented in accordance with the LUDIP. The progress of the projects shall be assessed and reported in view of achieving the projects' outputs and outcomes and their overall contribution in achieving the vision of MSU-Maguindanao in general.

Each M&E team shall create their monitoring plan. This includes the determination of which programs and projects are included in the M&E, the establishment of important indicators and their baseline values, and the frequency and format to be used in the M&E. There shall be evaluation to identify factors of success and failure to assess the sustainability of the projects, and to determine its impact to the stakeholders and end-users.

For infrastructure projects, a yearly initial report shall be done on the physical and financial targets of all LUDIP-related on-going infrastructure projects and those projects that will be implemented in the current year. The report contains basic information such as the names of the projects, funding source, location, project cost, project schedule, and its financial and physical targets for the year.

Quarterly summaries of physical and financial accomplishments will be done. There will also be summaries of discussions of important issues and problems encountered in the implementation, suggested improvements in the projects, and agreements reached.

3. Conduct actual monitoring and evaluation

Each M&E team shall implement the agreed monitoring plan and collect relevant data and information by coordinating with the different project management teams, relevant offices, and stakeholders. The teams shall prepare the M&E reports to be submitted to the OVCPD and the Office of the Chancellor and other relevant offices for appropriate and immediate actions.

4. Review of LUDIP

A LUDIP review shall be conducted every five years or as the need arises. This will be done to identify areas of the plan that need replanning or updating, and to ensure conformity of the plan to current laws and guidelines. M&E reports from the previous years shall be the main material of this review.

5. Prepare and submit reports

The M&E teams prepare the M&E reports, findings, and recommendations, as well as the results of the review of LUDIP. The teams shall consolidate these reports and propose actions for revisions, amendments, and/or updating of LUDIP and the different programs and projects they are monitoring. These reports shall be submitted to the OVCPD, Office of the Chancellor and other relevant offices for appropriate actions.

B. Policies and Guidelines for Assessing when the Revision of the LUDIP is Necessary

Land Property Management. Adhere to policies set by the university on land grants and refer to MSU- Maguindanao Land Grants Master Plans and Minor Properties Master Development Plan for guidance and other levant laws and issuances.

Consultative Planning. The process and the output shall be based on an overall shared planning vision and development framework and be developed with key stakeholders through a process of meetings and consultations focused on solutions. Social preparation and addressing moral hazards are vital in consultative planning.

Integrated Campus Planning. Translate the preferred spatial strategy into future land use patterns that will guide land allocation for various academic activities and support facilities consistent with the mandate, vision, and development goals of the MSU-Maguindanao Campus. The clustering of teaching, research, and extension spatial needs of each College unit will result from this approach.

The content of this revised MSU-Maguindanao Land Use Development and Infrastructure Plan (LUDIP) is the original work of the Technical Working Groups (TWGs). It is based purely on the present condition of the campus, Maps, blueprints, and photographs are solely developed for the MSU-Maguindanao LUDIP, whose intention is for its constituents' welfare.

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REVISED LAND USE DEVELOPMENT AND INFRASTRUCTURE PLAN (LUDIP)

2022 – 2032